PACIFIC-NEVADA MINING PTY LTD
and the
PACIFIC-NEVADA LIMITED PARTNERSHIP

PELIAS COVE (EL10/97) & HILL 99 (EL9/98)
DIAMOND DRILLING PROGRAM
MAY – JULY 1999
CAPE SORELL, TASMANIA

VOLUME 1

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Abstract

Four exploration targets were identified in 1998 within the northern quarter of the two Cape Sorell exploration licences EL10/97 and EL9/98. The four targets, in order of priority, are:

1. North Butler Creek (gold in Proterozoic rocks)
2. West Baylee Creek (gold in Cambrian rocks)
3. Pelias Cove (gold and base metals in Proterozoic rocks)
4. Hill 99 (Asbestos Point) (base metals ± gold in Cambrian rocks)

As the 1999 drilling program was only able to get under way late in the field season it was decided to only tackle the two sites accessible by boat; Pelias Cove (EL10/97) and Hill 99 (EL9/98).

The Pelias Cove target resulted from significant gold in panned heavy concentrates and a coastal occurrence of outcropping massive copper sulphides. Soil geochemistry produced a small base metal anomaly flanking Tertiary gravels. An IP survey produced two strong resistive anomalies under a cover of Tertiary gravels. Four diamond drill holes were planned to test the two IP anomalies, one soil base metal anomaly and the outcropping sulphides. Three diamond drill holes, for 761m of core, tested the three anomaly types; one of the IP anomalies was not tested.

Analytical results were disappointing. The source of gold in local creeks was not identified. However, an approximately 50m wide and highly silica-flooded fault system was identified. The structural control, the extensive silica flooding and the abundant gold in the creeks suggests that its source is nearby. There is, however, a possibility that the gold was derived from Tertiary gravels. Examination of this gold suggests this is not the case. Additional work is warranted.

PELIAS COVE

DRILL HOLE #	DEPTH (m)	ANOMALY	GEOLOGY	ANALYTICAL RESULT
PC-1	195	IP – resistivity	Silica-flooded shear zone.	No gold or base metals.
PC-2	361	SOIL – Cu, Au. Talc in soil.	Silica-talc alteration.	No gold or base metals.
PC-3	205	Massive Cu sulphide in outcrop.	Vuggy silica and brecciation.	No gold or base metals.

The principle Hill 99 target, identified as a result of outcropping massive iron sulphide, developed into a significant (400m in strike length and open to the south) copper and zinc in soil anomaly and a coincident but subtle IP anomaly. This surface anomalism was accompanied by sulphide gossan float and highly chloritised rocks. Minor gold in rock chip was also identified. A secondary target was drilled to test a very strong bulls-eye IP anomaly. Four

drill holes were sited; three into the principle target from two drill sites and a fourth drill hole into the bulls-eye IP target from the southern of the two sites targeting the principle target. Three holes were drilled for 668.8m of core; two fanned holes into the principle target and a single hole into the bulls-eye IP target. Only a single drill pad was utilised.

Analytical results were disappointing. The source of the massive sulphides and the extensive gossan float was not identified. The soil anomalism could however be reconciled with the disseminated and vein base metal sulphides identified in the drill core.

The Hill 99 target has an extensive alteration package of the type that hosts the Henty gold and Hellyer zinc mineralisation to the north. This target is located along a major fault that could be interpreted to be the southern extension of the Henty Fault. It is highly likely that this target hosts similar Paleozoic mineralisation to that at Henty or at Hellyer. Additional exploration is warranted.

HILL 99

DRILL HOLE #	DEPTH (m)	ANOMALY	GEOLOGY	ANALYTICAL RESULT
HILL 99-1	296	Cu-Zn SOIL/alteration Massive sulphide	Intensely chlorite, carbonate altered volcanic rocks of mafic to felsic origin.	Minor Cu, Zn & Au.
HILL 99-2	255.5	Cu-Zn SOIL/alteration Massive sulphide	Intensely chlorite, carbonate altered volcanic rocks of mafic to felsic origin.	Minor Cu, Zn & Au.
HILL 99-3	117.3	IP bulls-eye	Target depth not reached. Hole abandoned in shear zone. Intense alteration with blebby copper & zinc.	Minor Cu & Zn.

Exploration activities occurred as a lead-up to the drilling at Pelias Cove and Hill 99. These activities included infill panned heavy concentrate work, mapping, limited rock chip sampling, extensive line cutting, soil sampling and IP along with the requisite interpretation of the data.

The usual government agency approval processes were followed in the lead-up to the drilling program.

Approximately AUS$1M was expended on this exploration in 1999.

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1 Introduction

This report draws on results from exploration conducted in 1997/1998 and details the results of drilling carried out by Pacific-Nevada Mining Pty Ltd during the period 6 May 1999 to 30 July 1999 at the Pelias Cove and Hill 99 targets at Cape Sorell, Western Tasmania (Figures 1, 2, 3, 4, 5 and 6). Six diamond drill holes, 3 at each target, were drilled for a total of 1,430 metres of core. The drilling took place within EL10/97 (Pelias Cove) and EL9/98 (Hill 99).

Cape Sorell is very rugged and is only accessible by boat or helicopter from the resort village of Strahan. The areas subjected to exploration occur in a mix of temperate rainforest and eucalyptus forest. The annual rainfall is in the range 100 to 160 inches per year. In excess of 4 metres of rainfall per year at the higher end for those metrically inclined. The only way to operate on the ground is to access the area by cut lines.

Four targets were identified in the northern quarter of the two exploration licences at Cape Sorell as a result of the first-pass exploration effort in 1998. Senior geologist Robert Reed led the field-based exploration effort that identified gold in the creeks. He was supported by junior geologist Sean Westbrook. This led to the identification of three of the four targets; the Hill 99 target was identified after the discovery of massive sulphides in outcrop. In order of priority these targets are:

1. North Butler Creek (gold in Proterozoic rocks)
2. West Baylee Creek (gold in Cambrian rocks)
3. Pelias Cove (gold and base metals in Proterozoic rocks)
4. Hill 99 (Asbestos Point) (base metals ± gold in Cambrian rocks)

The original intention was to have the best of these targets ready to drill test by December 1998. Various and sundry delays and the departure of Robert Reid resulted in a delay in preparing the four sites for drill testing. With the 1999 winter rapidly approaching it was decided to prepare and drill test only the targets that had reasonably easy coastal access thereby negating the need to rely on daily helicopter support. Pelias Cove (EL10/97) and Hill 99 (EL9/98) were the two targets chosen for drill testing.

A Squirrel helicopter was used to locate drill equipment and supplies on an as-needed basis. A small charter boat was used to ferry crews on a daily basis from Strahan. The exploration team was located in the resort town of Strahan, on the northern shore of Macquarie Harbour, for the duration of the exploration program.

Contractor Luke Vanzino was hired to lead the exploration effort that would drill-test Pelias Cove and Hill 99. Westbrook supported Vanzino in this drilling program.

The Pelias Cove and Hill 99 targets were subjected to additional exploration in the first quarter of 1999. This included geological mapping, infill stream sediment sampling, soil sampling and IP. Four drill holes were sited to test IP, geochemical and outcropping base metal sulphide sub-targets at Pelias Cove. Four drill holes were sited to test IP and geochemical sub-targets at Hill 99.

Vanzino managed the on-site logistics for the sampling, geophysical and drilling programs as well as piecing together the geology at Pelias Cove. Westbrook was a team member during the sampling program and was responsible for the geology at Hill 99. He provided back-up support to Vanzino for the logistics.

Vanzino was responsible for the Pelias Cove portion of this report. Westbrook was responsible for the Hill 99 portion of this report. The Pelias Cove and Hill 99 geological map compilation were by Vanzino and Westbrook respectively. The maps were digitised and readied for this report by Gillian Bennett in Tasmania. Both Vanzino and Westbrook departed the project before this report was finalised.

Dr Robin Morritt has provided the overriding technical direction to this program since its inception. Dr Ken Snyder, the Chief Geologist for parent company Franco-Nevada Mining Corporation Ltd, has overseen geological aspects of the project and has provided much valuable field-based technical input since the project's inception. His support has been very valuable in keeping this project on track and funded. Background to this exploration effort is reported elsewhere. Refer to Morritt (1997) for the conceptual ideas that led to the pegging of the first Cape Sorell licence and to Reid (1998) for the on-site exploration activities that led to the identification of the first exploration targets.

2 Exploration Rationale

The exploration rationale is based on the following observations:

- That the northwestern portion of Tasmania is extraordinarily well endowed with world-class mineral deposits.
- That the Proterozoic rocks within this area have all the right geological characteristics and have the signs of hosting gold and copper ore bodies (including lode gold at Corinna/Specimen Creek, gold associated with magnetite breccia pipes at Temma and copper at Balfour).
- That many of the world's great gold and copper ore bodies are hosted in Proterozoic rocks (Homestake at Lead in South Dakota, Tennant Creek and the Keewanaw Peninsula of Michigan).
- That key structural control of the Late Cambrian ore bodies in the Mt Reed Volcanics is through geologically persistent north-west to south-east orientated focal structures (Morritt 1997). Further that these focal structures also control mineralisation in the Proterozoic rocks. Mineralisation includes copper, lead, zinc and silver but also includes nickel and platinum group elements, including osmiridium, in the ultramafic rocks of the Point Hibbs Mélange Belt.

Cape Sorell is dominated by Proterozoic rocks and includes an extension of the Arthur Metamorphic Complex (Brown *et al* 1995). Lower Paleozoic rocks are also present. These are arguably a southern extension to the rock and structural package that hosts the Mt Lyell and Henty mineralisation. The rocks are internally divided by strike-slip and thrust structures orientated north-east to south-west. Mafic and ultramafic rocks are contained within these structures as probable thrust slices. The northern margin of this Proterozoic and Paleozoic rock package is truncated by the Macquarie Harbour Focal Structure (Morritt 1997).

There is ambiguity attached to the age of some of the Proterozoic rocks at Cape Sorell – recorded as Neoproterozoic (Cryogenian) by Seymour & Calver (1998) for the Bowry Formation. Some are assigned to the Neoproterozoic III-Cambrian transition. If the Brown *et al* (1995) geological map is correct it is likely that all the rocks in EL10/97 are Neoproterozoic (Cryogenian); that is, all the rocks to the west of the major structure that extends south-west from Bryans Bay. Refer to the 1:50,000 scale Macquarie Harbour geological map for the location of this structure but note that McClenaghan & Findlay (1989) do not recognise the extent of Neoproterozoic (Cryogenian) rocks represented by Brown *et al* (1995) at Cape Sorell. For the purpose of this report the Precambrian rocks dominating at least EL10/97 are considered to be Proterozoic. The Paleozoic rocks dominating EL9/98 are, for the purposes of this discussion, Cambrian.

Cape Sorell has all the elements that constitute a prospective geological environment. It is regarded by Pacific-Nevada Mining Pty Ltd to be prospective for the following styles of mineral deposits:

- Structurally-controlled (lode) gold in Proterozoic rocks;
- Tennant Creek and Selwyn-style gold and base metals associated with magnetite breccia pipes;
- Iron formation-hosted and/or sulphide-hosted gold in Proterozoic rocks;
- Stratiform-stratabound base-metals in Proterozoic rocks;
- Gold and base metals associated with the Cambrian Mt Reed Volcanics; and
- Nickel and PGE's, including osmiridium, associated with the ultramafic lenses of the Point Hibbs Mélange Belt.

The exploration effort has focussed narrowly on gold close to the Macquarie Harbour Focal Structure and within rocks of the Arthur Metamorphic Complex. The licences have scope beyond this narrow focus that has thus far been dictated by limited exploration funds.

3 Geology of Cape Sorell

Cape Sorell is dominated by two distinct geological elements:

1. A Proterozoic sequence of rocks that includes the southern extension to the Arthur Metamorphic Complex; and
2. A Cambrian sequence that is considered to be the southern extension to the rock package that hosts the Mt Lyell, Henty and other ore bodies.

It also includes fault-bounded ultramafic rocks of the Point Hibbs Mélange Belt that hosts two of the known osmiridium occurrences in the State at Birch's Inlet and Spero River. It is probable that nickel is also associated with these rocks. The Alaskan-style nickel-osmiridium occurrences may be analogous.

Remnant Tertiary gravels are patchily distributed.

The 1:50,000 scale Macquarie Harbour geological map (McClenaghan & Findlay, 1989) provides a good summary of the geology. It includes two sections. This map should be referenced for a geological overview of the Sorell Peninsula.

The Proterozoic sedimentary sequence is divided into an interdigitated northern and southern zone (Brown *et al.*, 1991) with a central meridional core zone being the southern extension of the Arthur Metamorphic Complex (Brown *et al* 1995):

- the northern zone includes interbedded orthoquartzite, mudstone, siltstone and minor conglomerate units; and
- the southern zone includes impure dolomite-rich beds, quartz-wacke and mudstone.

These rocks are generally metamorphosed to greenschist facies.

The Cambrian volcanic-sedimentary rocks are grouped into six different associations (Brown *et al*, 1991):

1. Lucas Creek Volcanics – alkaline to tholeiitic basalt association.
2. Timbertops Volcanics – Boninite association.
3. Birchs Inlet – Mainwaring River Volcanics – picritic basalt-basalt association.
4. Noddy Creek Volcanics – Andesite-rhyolite association. These are considered to be a southern extension of the Middle Cambrian pyroxene-plagioclase phyric andesite rocks of the Lynchford and Que River areas.
5. Point Hibbs Mélange Belt – sheared and serpentinised ultramafics and gabbros including sheared units derived from the boninite and andesite-rhyolite associations.
6. Felsic Volcanic Sequence – correlate of the Tyndall Group of western Tasmania.

The exploration effort has so far focused on the "northern zone" Proterozoic sedimentary sequence within Arthur Metamorphic Complex rocks (Pelias Cove, North Butler Creek & West Baylee Creek) and on the Cambrian Noddy Creek Volcanics (Hill 99).

Note that Lynchford is located immediately adjacent to Queenstown – the site of the Mt Lyell ore body.

4 Exploration

As a result of limited exploration completed at Cape Sorell four target areas, in order of priority, are recognised:

1. North Butler Creek	(gold in Proterozoic rocks)
2. West Baylee Creek	(gold in Cambrian rocks)
3. Pelias Cove	(gold and base metals in Proterozoic rocks)
4. Hill 99 (Asbestos Point)	(base metals ± gold in Cambrian rocks)

The Pelias Cove & North Butler Creek targets are located within EL10/97. The Hill 99 & West Baylee Creek targets are located within EL9/98 (Figure 7).

The Pelias Cove and Hill 99 targets were drill-ready by May 1999 following an intensive phase of creek mapping, limited rock chip geochemistry, soil geochemistry and IP surveys.

4.1 Pelias Cove

The Pelias Cove target is situated within a Proterozoic sedimentary package that is considered to be an extension to the Arthur Metamorphic Complex.

Geological Mapping

Mapping along the shoreline of Macquarie Harbour provided near continuous outcrop exposure. Limited outcrop was encountered along drainage traverses and float mapping on the gridlines provided minimal input.

A sequence of quartzite and siltstone dominates the coastal exposure in the Pelias Cove-Double Cove area (Figure 8). These rocks have been folded into shallowly plunging NE-SW orientated structures. There are numerous steeply plunging, minor, parasitic folds. These structures occur along what appears to be a fault-controlled coastline orientated NW-SE. The inference is that this coastline is controlled by the Macquarie Harbour FS and that the observed structures are *en-echelon* folds associated with sinistral shear along the FS.

The main physiographic feature within the area of interest is a pronounced, elongate peninsula striking NW (310°). It is probably a fault-bounded quartzite-cored anticlinal (?) fold of the *en-echelon* set described above. The presence of a pronounced magnetic signature in the region of the quartzite supports this hypothesis. The faulted flanks of this structure, where the quartzite meets flanking siltstones, have the following characteristics:

1. brecciated quartzite with pelitic fragments that have been hydraulically fractured and re-healed by silica near the shore and on the western flank of the fold in Pelias Cove (GR 63250E / 5310550N);
2. local disruption of bedding restricted to the eastern flank of the fold fault zone (GR 363475E / 5310800N).

No surface expression of this fault set is observed inland from the coastal exposures. However, evidence for their continuity can be gleaned from the drill core.

The significance of the en-echelon folding associated with the southern edge of the Macquarie Harbour FS is not represented in the Pelias Cove geological map (Figure 8). It can, however, be seen in the 1:50,000 Macquarie Harbour geological map.

Stream Sediment Sampling

Two phases of stream sediment sampling have been undertaken. Both phases involved the collection of panned heavy concentrates and fines for – 80 mesh analysis. The results are presented in Figure 9.

Rock Chip Sampling

Non-systematic rock chip sampling has been conducted from the first site visit. The results are presented in Figure 10.

Soil Sampling

The 1997/98 soil sampling grid was cut on an E-W grid at 100m line spacings with a 25m sampling interval. This initial work outlined a 300m long x 100m wide zone of copper anomalism defined by values greater than 50ppm - with a peak analysis of 716ppm (Reid, 1999). Mapping along the coastline suggests that this copper anomalism is stratiform with a NNE-SSW trend. The results are presented in Figure 11, 11a, 11b and 11c.

Infill sampling of the original anomaly was undertaken at 12.5m intervals in conjunction with the cutting of four additional and intervening E-W grid lines at 50m spacing. Thus, the boundaries of the copper anomaly were further defined. The 99 additional soil samples collected continued to support the veracity of the copper anomalism.

A distinctive white clay was observed during the course of the sampling. Subsequent plotting of its distribution showed a selvage of talc rich clays along the western flank of the copper anomaly. Initial thinking suggested a possible Mg-rich alteration halo.

Of special note from the 1997/1998 soil sampling program, is the extensive area in the central part of the grid, which is largely obscured by tertiary gravel cover.

Geophysical Surveys

A gradient array IP survey (Figure 12 & 13) covered the grid. It was undertaken as two discrete surveys with a common tie line. In addition, a single dipole-dipole IP line was read along grid line 5310000N from 363300E to 364200E.

In summary the gradient survey highlighted a polarisable and conductive zone of approximately 400m width, suggestive of either a possible sulphide alteration zone or graphitic sediments, with a strike length in excess of 1,200m. Supporting evidence for this high phase and low resistivity response was obtained from the dipole-dipole section.

For a full description of the survey parameters and an interpretation of the data refer to Hungerford, 1999.

Drilling

Four diamond drill holes were planned. These were designed to test two IP anomalies, the soil geochemical anomaly and an outcropping massive copper sulphide at the shoreline. One of the IP targets and the other two targets were drilled, PC-1, PC-2 and PC-3 (Figure 14) for 761m of core. An LF70 diamond rig was utilised by Diamond Drilling Tasmania for the contract.

DDH PC-1 (Figure 15)

GR 363515E / 5309972N
Azimuth 290°TRUE
Dip 45°
Depth 195m
Target – A strong phase and low resistivity target to the south of the grid where tertiary gravels obscured ground surveys.
Result - Extensive zone of silicification. No gold, sulphides or base metals. The IP response is interpreted to be due to a water filled fault breccia and associated unconsolidated clays.

Geology - Siltstone was the dominant lithology cored with either a massive or laminated lithofacies observed. At 100mdh a fault breccia with angular, poorly sorted polymictic sedimentary clasts was noted. The matrix was either a poorly consolidated ferruginous clay or a well-consolidated silt. Silicified pelite clasts with quartz veining alongside unaltered laminated siltstone clasts suggested an alteration event prior to faulting, brecciation and fault reactivation, with some clasts exhibiting hydraulic fracturing and "jigsaw" textures.

This breccia was characterised by intervals of broken ground, poor recovery, poorly consolidated material and numerous cavities from 1m up to 8m where drilling was halted in order to cement down the hole. The top of the chargeability anomaly, at 150mdh, is marked by this zone of extensive core loss, unconsolidated clays, water loss and cavities. The projection of this zone to surface corresponds with the south-easterly strike extension of the western most or Double Cove fault.

Biogenic pyrite was the only sulphide observed in PC-1. It occurs in laminated mudstone towards the end of the hole as trace (<1%) disseminations.

Geochemistry - Gold and base metals results were uniformly low. Appendix 3 gives sample analysis data for PC-1.

Geophysics - The chargeability anomaly at PC-1 was adequately tested. The inferred strike continuation of the eastern most or Pelias Cove fault downgraded the rationale to drill PC-4 (PC-2 in Hungerford, 1999).

Appendix 3 gives sample analysis data for PC-1.

DDH PC-2 (Figure 16)

GR 363605E / 5310322N
Azimuth 290°TRUE
Dip 45°
Depth 361m
Target - Elongate copper anomaly with flanking talcose clays delineated during the 1997/1998 field season. This anomaly was substantially 'tightened up' and further defined during the 1999 soil-sampling program with additional information being gained by the recognition of probable hydrothermal talc alteration along the western flank of the anomaly.
Result – The anomaly was found to correspond with a major silica-talc alteration feature most likely due to the selective replacement of a dolomitic siltstone. No gold, sulphides or base metals. A subsequent geophysical interpretation indicated that this talcose zone corresponds to a narrow, 100m wide, strataform band of high resistivity. No geophysical response was recorded over the geochemical copper signature.

Geology - Laminated siltstones and subordinate sandstones with minor sedimentary breccia bands were the lithologies cored.

From 169mdh a gradational talcose alteration front was noted. It increased in intensity to 181mdh where pervasive and intensive silica alteration totally obscured the siltstone protolith. Weak brecciation is noted throughout the 181-353m interval with a late stage, post alteration quartz vein event apparent.

The remaining 7m of the hole cored dark grey pelitic sediment.

Trace (<1%) fine grain disseminated pyrite was noted in portions of the silica-talc alteration zone. No other forms of mineralisation were observed.

Geochemistry - All samples returned gold below the limit of detection (10ppb). Base metal results are uniformly low throughout the hole.

Appendix 3 gives sample analysis data for PC-2.

DDH PC-3 (Figure 17)

GR 363633E / 5310673N
Azimuth 280°TRUE
Dip 45°
Depth 205m
Target - A massive copper sulphide gossan. In 1959 Lyell EZ Exploration drill tested gossanous outcrop at Pelias Cove with inconclusive results due to poor recoveries (average 7%). As far as can be ascertained, due to poor recording of data, 4 holes were drilled vertically and 2 holes inclined to the east. One of these holes (orientation unknown) intercepted 5ft @ 2.59% Cu. The collars of

these 6 drill holes were not located. The 1959 joint venture also carried out 2 short EM lines immediately to the south of Pelias Cove with negative results.

The highest gold-in-soil value obtained from the entire soil-sampling program was 285ppb. This sample was located 15m south of the Pelias Cove beach adjacent to the surface trace of the eastern Pelias Fault. There was support in copper values in excess of 250ppm. However, no conductive or resistive target was defined by the gradient IP survey.

Result – A fault-associated epithermal silica-flooded and vuggy open fill silica zone intercepted. This was encountered at a depth, which indicates that the fault is relatively shallowly dipping. No significant sulphide mineralisation was encountered. Low gold and base metal response.

Geology - The top 26m was marked by poorly consolidated clays followed by dark grey and white, compositionally banded, psammite-pelite sediments with metamorphic folia from 1mm-10mm and local schistose zone and quartz augen development.

From 48mdh to 85mdh, a zone of fault breccia was encountered which was characterised by rapidly variable textures and angular poorly sorted clasts of local derivation with an extremely vuggy hydrothermal silica overprint.

This hydrothermal silica has in turn been incorporated as clasts within the breccia suggesting fault reactivation. The target depth for this hole was 200m based on the premise that the Pelias fault was vertical. The location of this fault breccia interval would suggest a shallow angle 30° thrust plane.

The remainder of the hole comprised black shale with two interbedded lithofacies: 1) a laminated unit and 2) an intra-clast breccia unit defined by pale grey, angular mudstone 'rip-up' clasts up to 4mm in length, with imbricated long axes defining bedding.

Pyrite occurs in PC-3 as euhedral cubes within quartz veins (trace, <1%) and biogenic forms within black mudstone.

Geochemistry - All samples returned gold below the 10ppb limit of detection. Base metal results are uniformly low throughout the hole.

Appendix 3 gives sample analysis data for PC-3.

4.2 Hill 99

The Hill 99 target is located within sedimentary and volcanic rocks of the Point Hibbs Mélange Belt, part of the Cambrian volcanic-sedimentary.

Geological mapping

The Hill 99 target, located near Asbestos Point, was identified as a prospective area during the reconnaissance-sampling program. An outcrop of massive pyrite-quartz mineralisation was located on the shoreline (Westbrook, 1999) during a subsequent field trip that was undertaken with Pierre Lassonde the CEO of Franco-Nevada Mining Pty Ltd. Stream sediment results in the area are generally of low to intermediate order, although a 5130µg Au value was obtained in a panned concentrate sample (Westbrook, 1999).

Mapping along the shoreline of Macquarie Harbour provided near continuous outcrop exposure. As was the case at Pelias Cove limited outcrop was encountered along drainage traverses. Float mapping on the gridlines provided minimal input but an abundance of gossanous float was recognised (Figure 18).

A steeply west-dipping and NNE-striking fault-bounded stack of Cambrian mafic and felsic volcanic rocks make constitute the stratigraphic package (Figure 18). Highly chloritised rocks occur along the sheared contact of the mineralised mafic volcaniclastic sequence (the target horizon) and the rhyolitic volcaniclastic sequence.

Stream Sediment Sampling
Limited panned heavy concentrate and silt-fraction sampling was undertaken (Figure 20).

Soil and Rock Chip Sampling

Soil sample results from the Hill 99 grid identified a copper-zinc anomalous (defined as 150-511ppm Cu and 150-684ppm Zn) zone extending south along strike from the coastal sulphide mineralisation. This zone trends northeast and is broadly coincident with a topographic high. Sampling of gossanous float material along the grid lines returned up to 50ppb Au (8042568) with 92ppb gold also returned from a chlorite altered lithicwacke sample (8042569) (Figure 21). Gold-in-soils was generally below detection limit with a peak result of 21ppb Au (8050069) occurring within the copper-zinc anomalous zone (Figure 22, 22a, 22b & 22c).

Refer to Westbrook (1999) for further geochemical data.

Geophysical Surveys

Two targets were identified:
Firstly, the gradient array IP survey identified a linear, weak conductivity anomaly coincident with the copper-zinc anomalous soil zone.

Secondly, a bulls-eye conductivity anomaly was also identified, centred at 5306150mN/370110mE. The Ground TEM survey failed to identify any conductive bodies of probable economic importance.

Refer to Figures 23 & 24.

Hungerford (1999) details the IP and TEM surveys.

Drilling

Four drill holes were sited; three into the principle target from two drill sites and a fourth drill hole into the bulls-eye IP target from the southern of the two sites targeting the principle target. Three holes were drilled for 668.8m of core; two fanned holes into the principle target and a single hole into the bulls-eye IP target. Only a single drill pad was utilised (Figure 25).

DDH H99-01 (Figure 26)

GR 370225E / 5306150N
Azimuth 90° TRUE
Dip 45°
Depth 296m
Target – VMS ± gold in highly altered Cambrian volcanics. Combined weak resistivity and phase IP response coincident with anomalous copper and zinc surface soil geochemistry.
Result – The IP and coincident geochemistry anomaly was found to correspond with disseminated pyrite and chalcopyrite associated with carbonate-quartz veining, chlorite alteration and fuchsite-carbonate alteration. Gold and copper values were generally of low to moderate order. No significant gold or base metals values were detected. Refer to DDH H99-02 for additional information.

Appendix 5 gives sample analysis for H99-1.

DDH H99-02 (Figure 27)

GR 370225E / 5306150N
Azimuth 90° TRUE
Dip 60°
Depth 255.5m
Target – VMS ± gold in highly altered Cambrian volcanics. Specifically combined weak resistivity and phase IP response coincident with anomalous copper and zinc surface soil geochemistry
Result – The IP/geochemistry anomaly was found to correspond with disseminated pyrite and chalcopyrite associated with carbonate-quartz veining, chlorite alteration and fuchsite-carbonate alteration. Gold and copper values were generally of low to moderate order. No significant gold or base metals values were detected.

Geology - Intensely altered lithic volcaniclastic rocks of mafic to rhyolitic origin. Four lithological and stratigraphic units are recognised:

1. MAFIC VOLCANICLASTICS: chloritic-phyllic, lithic volcanic sediment and breccia with stockwork carbonate-quartz±pyrite veining. Minor patchy talcose, silicic and carbonate alteration. The intensity and pervasiveness of alteration obliterates almost all primary lithological features. The epiclastic sediment appears to be of mafic origin as evidenced by fuchsite alteration and disseminated red chrome spinels (Davidson, 1999).

2. RHYOLITIC VOLCANICLASTICS: carbonate-sericite±pyrite altered, thickly bedded, poorly sorted rhyolitic volcanic lithic breccia/peperite with interbeds of laminated black shale and pale green-grey sandstone.

3. FELDSPAR-QUARTZ AUGEN SCHIST: phyllic schistose rock with feldspar and quartz eyes. This unit separates the above two lithologies in both holes although considerably more subtle in H99-02.

4. FLOW BASALT?: Strongly chloritic, fine to medium grain rock with disseminated magnetite and epidote veining. This lithology, which was only identified in H99-02, is suspected to be a basalt; due to the presence of magnetite and epidote. Intense alteration obscures any contact relationships with the surrounding rock and obliterates all primary features of the rock at hand specimen scale.

Cleavage is the dominant rock fabric within H99-1 and H99-2. Cleavage dips steeply to the west. Intense alteration generally obliterates all primary structures. Where bedding is observed, it dips parallel to sub-parallel to the cleavage.

Appendix 5 contains drill log information on the distribution of the above facies.

Fuchsite-carbonate alteration zones are a distinct alteration feature within the mafic volcaniclastic sequence. In H99-1 the fuchsite transgresses the volcaniclastic-augen schist boundary, extending between 150m-185m. Minor zones of semi-massive pyrite occur where fuchsite-carbonate alteration is pervasive.

Thin section analysis of the fuchsite-carbonate-pyrite alteration indicates that the alteration developed progressively with deformation. The presence of fuchsite (chrome mica) and disseminated red chrome spinel indicate a mafic to ultramafic precursor lithology. Relict elongate plagioclase favours a mafic dyke or equivalent epiclastic sediment origin for the primary lithology.

Mineralisation within H99-1 and H99-2 is generally characterised by trace, fine-grained disseminated pyrite and chalcopyrite. Pyrite is the dominant sulphide occurring as diagenetic forms in black shales, with all alteration styles and with carbonate and quartz veining. Chalcopyrite predominantly occurs associated with pyrite in quartz veins and with quartz replacement of feldspars. Thin section analysis of sulphide mineralisation in the augen schist indicates that brittle-ductile processes have localised chalcopyrite and pyrite development (Davidson, 1999).

Geochemistry - Sample results from H99-01 display a general lack of anomalous gold and base metals throughout the hole. A peak gold value of 0.38ppm associated with anomalous 65ppm arsenic was returned from a carbonate-pyrite vein sample (8060056). Copper values are erratic with up to 0.37% over 75 cm (8060068) recorded. Lead and Zinc values are of a low order throughout the hole. Silver is generally below detection limit. No significant values were associated with the fuchsite-carbonate±pyrite alteration.

In contrast to H99-01, weakly anomalous gold ranging from 0.02ppm to 0.23ppm Au was detected associated with the fuchsite-carbonate±pyrite alteration in H99-02. Weak gold (0.03ppm Au) was also detected with quartz±chalcopyrite-pyrite veining over 35cm from 218.5-218.85m. This vein yielded the highest copper value of the whole drilling program, that being 0.59% Cu.

DDH H99-03 (Figure 28)

GR 370225E / 5306150N
Azimuth 270° TRUE
Dip of 45°
Depth 117.3m
Target - A coincident high phase/low conductivity IP anomaly flanking chloritic schists formed in a shear zone to the south of outcropping massive sulphides.
Result – Hole abandoned 30m short of target depth due to poor ground conditions associated with a shear zone. Anomalous copper, lead and zinc were assayed just meters above the shear zone.

Geology - Rocks intersected can be divided into five zones:

1. 0-90.2m: GABBRO-DIORITE: Massive, coarse to medium grain, granular, dark green gabbro-diorite? The gabbro is commonly strongly chloritic altered. The rock displays a pseudobreccia appearance from 41.2-87.0m due to blocky fuchsite ± chlorite altered "clasts" in a chloritic schistose matrix. Euhedral disseminated pyrite occurs throughout the gabbroic zone. Magnetite is present within the core between 0-19 meters.

2. 87.10-90.90m: GABBRO-SEDIMENT INTERFACE: Here the gabbro (diorite?) appears to interfinger with chloritised shale/siltstone. It is unsure whether this "interfingering" is a primary or brittle-ductile deformation feature.

3. 90.9-98.4m: PERVASIVE FUCHSITE-CARBONATE±PYRITE ALTERATION: Grey to white siliceous carbonate and dark green fuchsite with trace fine grain pyrite throughout. The carbonate alteration generally flanks the fuchsite alteration, although there appears to be no structural of lithological control on this feature. The fuchsite observed here is the most intense intersected out of all three drill holes at Hill 99.
4. 98.4-101.15m: SHEARED GRAPHITIC SHALE: Brecciated and sheared quartz-carbonate veined, siliceous graphitic shale.

5. 101.15-117.3m (E.O.H): SHEAR ZONE: Chloritic schist and puggy clay.

As in the other 2 holes at Hill 99, cleavage is the dominant rock fabric observed in the core, dipping steeply to the west.

Trace, disseminated, euhedral fine grain pyrite is ubiquitous throughout H99-3, generally as an alteration feature.

Associated with the intense fuchsite alteration is quartz-carbonate±sphalerite-galena-pyrite occurring over a 30cm interval from 96.35m to 96.65m. This is the only sphalerite-galena mineralisation to be currently observed at Hill99.

A 20cm zone of almost semi-massive pyrite-chalcopyrite occurs between 88.12m and 88.35m. These sulphides display ductile deformation textures and have been stretched sub-parallel to the main cleavage.

Geochemistry - Analytical results from H99-3 are encouraging. Although no gold was detected, anomalous base metal values were returned. The zone of pyrite-chalcopyrite mineralisation at approximately 88.0mdh yielded 1.05% Cu with 3ppm silver and 85ppm arsenic. Quartz-carbonate±sphalerite±galena veining between 96.35-96.65mdh returned 0.17% Pb and 0.25% Zn. Anomalous zinc up to 0.1% (over 1.1m) was also detected within siliceous black shales flanking the shear zone.

Appendix 5 gives sample analysis data for H99-3.

The drill string jammed at 116mdh depth due to collapsing ground within the shear zone. The soft, flaky nature of the chloritic schists caused pressure build up in the ground surrounding the drill rods which resulted in the hole collapsing once the rods had been pulled. Attempts to ream out the hole failed to improve drilling progress. Following this, the hole was cleared using a tricone bit and cement was poured down the hole in order to stabilise the ground. However, due to suspected acidic ground water, the cement did not cure properly 4 meters above the bottom of the hole. Drilling was stopped at 117.3 meters and the hole abandoned. Tantalising!

5 Discussion & Conclusions

General

Exploration by Pacific-Nevada Mining Pty Ltd was drawn to Cape Sorell because of the presence of Proterozoic rocks, including rocks considered belonging to the Arthur Metamorphic Complex. It initially focused along the Macquarie Harbour portion of the exploration licences because of the proximity to the southern edge of the Macquarie Harbour FS and because exploration by BHP had identified copper anomalism, and an outcropping copper gossan, in the area of Pelias Cove-Double Cove.

The first-pass exploration effort utilised basic panning techniques to determine whether or not gold was present in the creeks. This was an important first-pass because the area has no history of gold discovery even though 50km to the north the area was subjected to a gold rush following the discovery of gold in the Rocky River - the site of the Corinna Goldfield. Furthermore, the area had been explored historically. PGE's were panned from the creeks and osmiridium won from Birch's Inlet and Spero River. These two sites and others occur within the Point Hibbs Mélange Belt. One such site is located within the West Baylee Creek target area.

The presence of remnant Tertiary cover was known and posed a problem for the use of panned heavy concentrate techniques as any colours identified in the pan could have been derived from reworked Tertiary gold placer deposits. The problem of reworked gold is not unique to panning techniques but panned gold can be examined to determine travel damage, silver content etc and to then interpret its source. Hugh Nolan undertook this work before the sample was sent for the usual analytical analysis.

The first-pass sampling program was led by geologist Robert Reid who, with the help of his team, managed to pan considerable gold from the creeks that drain into Macquarie Harbour. The gold was determined by Hugh Nolan to be primarily of local derivation and not from the Tertiary gravels.

This work resulted in the identification of three targets within short order; Pelias Cove, North Butler Creek and West Baylee Creek – the first two located in what is considered to be the southern extension of the Arthur Metamorphic Complex rocks. Pervasive and abundant sulphides were found associated with these rocks, particularly at North Butler Creek. Indeed the sulphides are so extensive that natural spring waters have the appearance of acid drainage from historic sulphide workings. The creeks draining these waters have flocculated iron oxide rind covering the rocks in associated stream beds.

The geological mapping undertaken was limited due, in part, to poor outcrop. A high-resolution magnetic survey was flown and several test EM lines were acquired.

The targets were identified on the basis of following-up gold in the creeks and then undertaking grid-based soil sampling along with limited rock-chip sampling. The importance of systematic rock chip sampling was emphasised by Ken Snyder during a site visit just prior to undertaking the drilling program.

The Hill 99 target resulted from the discovery of a massive sulphide outcropping in a cliff face and not as a result of the initial panning program. Follow-up soil geochemistry identified the copper-zinc anomalism and the extent of gossanous float. Rock chip sampling did reveal minor gold.

<u>Pelias Cove</u>
The gold outlined in the 1997/1998 field program is confined to a solitary drainage, 1,500m in length and 500m wide. The source of this gold has not been identified.

The source of the outcropping massive copper sulphide gossan is indeterminate.

The presence of Tertiary gravel cover on the topographically higher south-east margin of the anomalous drainage is a possible source of the gold. However, microscopic examination of gold grains from Pelias Cove by Nolan (1998) showed that most are angular in form and therefore not travel damaged. The gold in the creek is probably not from a Tertiary placer.

The gold in the creek, some of it quite coarse (up to match-head in size) may be indicating that the gold has come from a nearby source that has significant nugget-effect. The DDH PC-1 has appropriate alteration for a gold host. Perhaps the source has been drilled but not detected due to a nugget effect? Perhaps the core from DDH PC-1 and DDH PC-2 is providing a clue as to proximity to mineralisation?

<u>Hill 99</u>
Three main alteration styles were recognised in the Hill 99 drill holes:

1. Chlorite-pyrite: Intense chlorite-pyrite (±sericite-carbonate) alteration is ubiquitous throughout the gabbro and mafic volcaniclastic units of all three drill holes. The alteration generally obscures primary textures and mineralogy of the units, except in H99-3 where porphyritic hornblende gives the gabbro a granular appearance.

   Carbonate-quartz±pyrite stockwork veining appears to be confined to the chlorite altered mafic volcaniclastics of H99-1 and H99–2. The veining is interpreted to be syn-deformational.

2. Fuchsite-carbonate-pyrite: Intense and pervasive zones of fuchsite-carbonate-pyrite alteration occur in all three drill holes. These appear to be localised proximal to ductile-brittle faults. Petrographic analysis indicates the alteration developed in plagioclase-rich mafic parent rocks, progressively during local shearing (Davidson, 1999). Weak

gold was detected with fuchsite-carbonate-pyrite alteration in H99-2, while quartz-carbonate-sphalerite-galena-pyrite veining occurred with intense fuchsite alteration in H99-3.
Fuchsite alteration occurs at numerous ore deposits within Tasmania, including the Henty gold mine and the Hellyer Volcanic Massive Sulphide deposit. Fuchsite is also a common proximal alteration feature around orogenic lode-gold mineralisation in sub- to mid-greenschist facies environments such as Sunrise Dam in Western Australia (Eilu et al., 1999).

3. Carbonate-sericite±pyrite: This alteration is confined to the rhyolitic volcaniclastics intersected in H99-1 and H99-2. Petrographic analysis of the rock unit showed the alteration to predate deformation (Davidson, 1999). Davidson also noted that the felsic lithology with carbonate-sericite±pyrite alteration is strongly similar to some Tasmanian mineral deposits, including carbonate alteration at Henty, and the proximal carbonate-rich rhyolitic footwall zones of some Cambrian massive sulphide deposits, including Rosebery and Hercules.

All indications are that a hydrothermal alteration and mineralisation system is present at the Hill 99 target.

6 Recommendations

The Pelias Cove target warrants additional work. The first task will be to geologically map and systematically rock chip sample all outcropping rock in the drainage. Then expand the soil sampling program in areas not affected by the Tertiary gravels. This, combined with the knowledge already at hand, including the detailed magnetics will almost certainly result in the need for a second round of core drilling to locate the source of alluvial gold.

Detailed mapping is required at the Hill 99 target to further appraise the stratigraphy, alteration and mineralisation. The soil sampling needs to be extended south to evaluate the full extent of this alteration and mineralised system. Additional surface IP and EM as well as down-hole EM would provide a key to any massive or disseminated mineralisation. The target requires more core drilling.

DDH H99-03 at Hill 99 was designed to target the coincident high phase and resistivity low anomaly at GR 370115E/5306150N (approx. 150m target depth from collar). Localised zones of pyrite-chalcopyrite (up to 1.05% Cu) mineralisation and quartz-carbonate-sphalerite-galena veining with intense fuchsite alteration were intersected before drilling was stopped approximately 30m above the IP target. Given these signs of mineralisation and location of the IP anomaly flanking a major shear zone, which would act as a good fluid transport pathway, this target requires another drill hole – perhaps from the reciprocal direction to avoid the fault.

Stratigraphic units hosting the target requires examination to the south. It is quite clear that the Proterozoic and Palaeozoic rock packages at Cape Sorell are prospective and require further exploration. It would be premature to consider this opportunity lost or even diminished by the six holes drilled at Pelias Cove and Hill 99.

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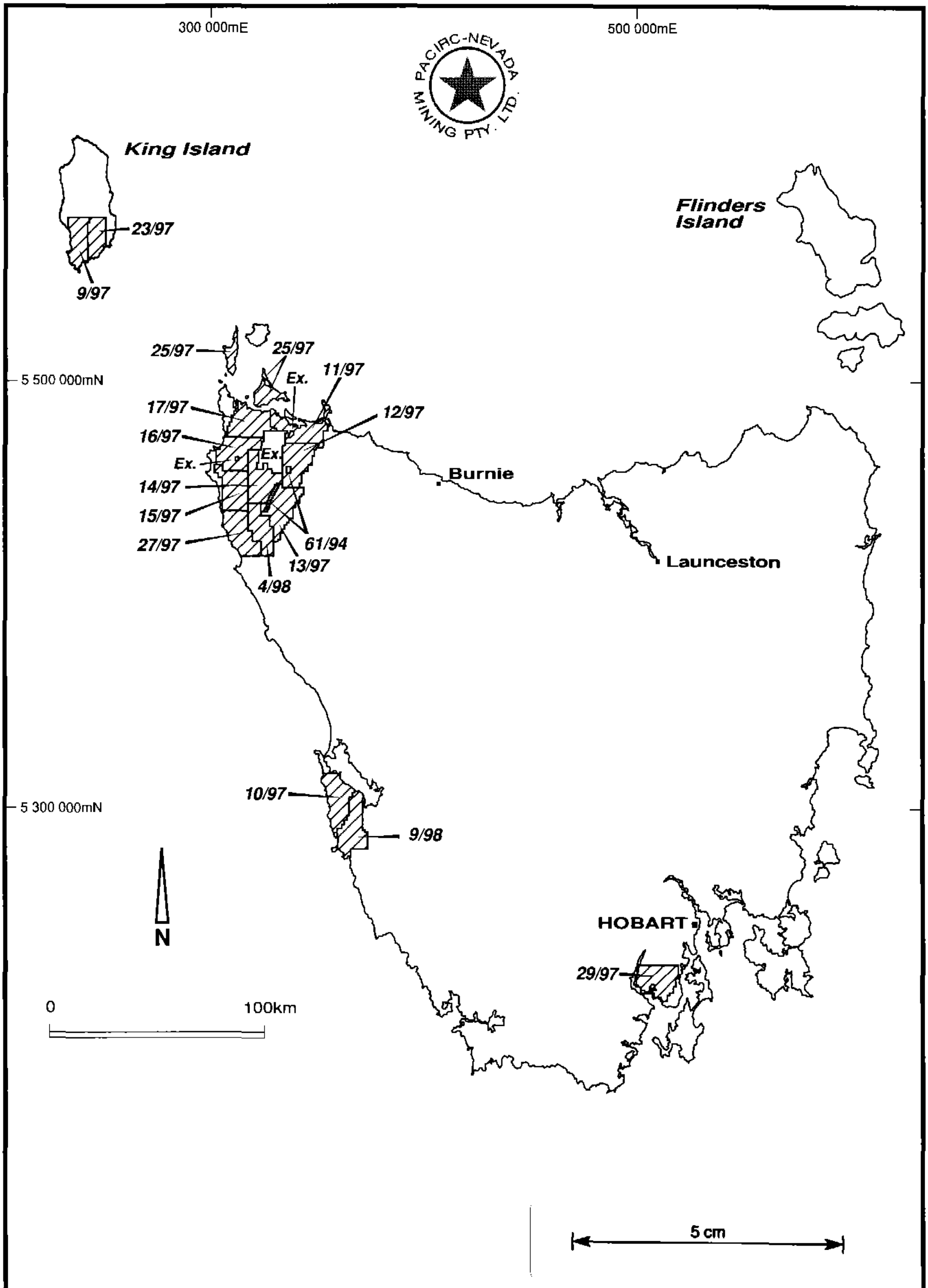
614029



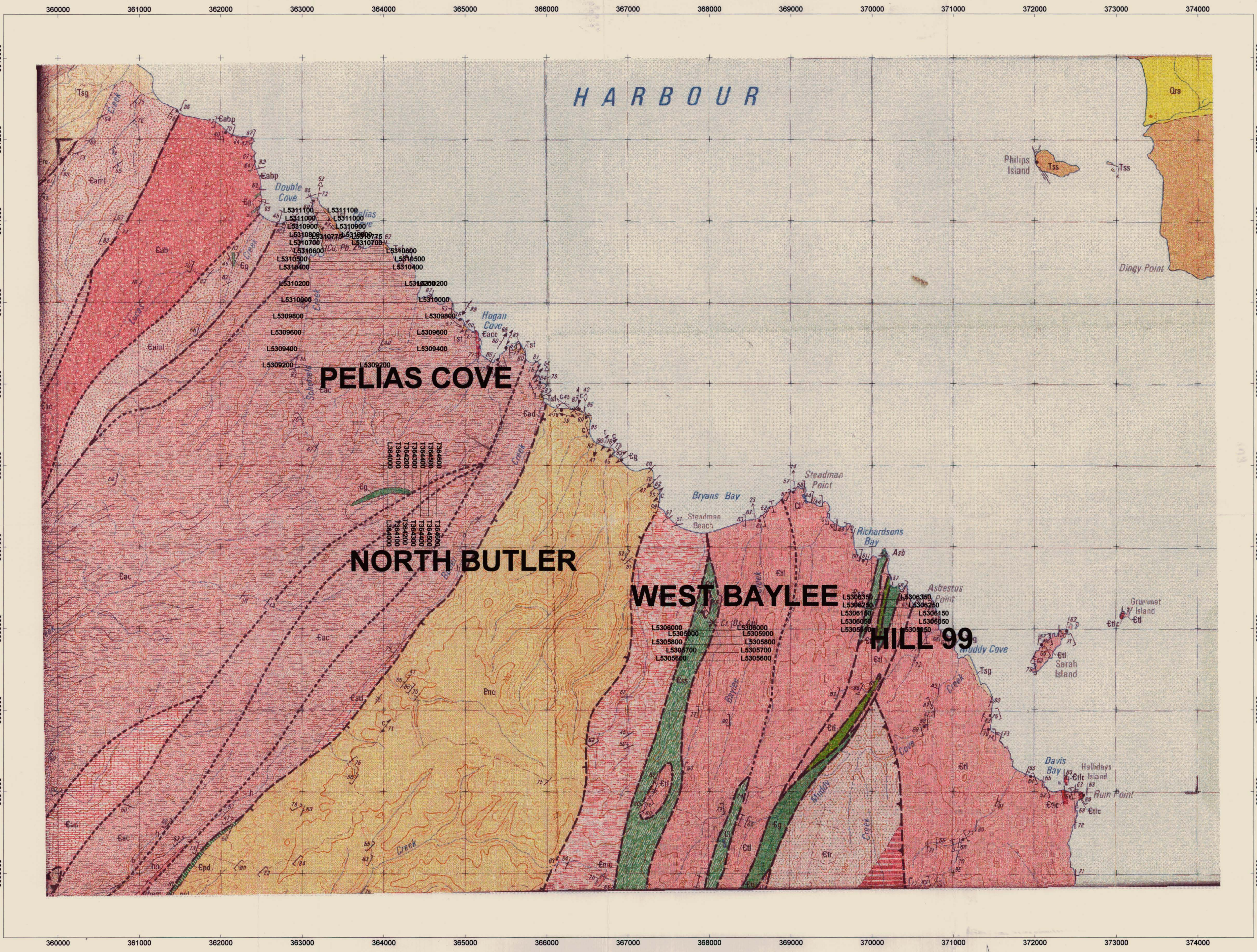
PACIFIC-NEVADA MINING PTY LTD

TENEMENT LOCATIONS

TASMANIA

Tas\B&W\TenementLoc - 8-99

Figure 1



99_4382

Diamond Drilling Program - Pelias Cove (EL10/97) & Hill 99 (EL9/98) - May-July 1999, Cape Sorell
Pacific Nevada Pty Ltd"
Morritt, R.F.C.
EL10/97; EL9/98

PACIFIC-NEVADA MINING PTY. LTD.

Scale 1:25000

500 0 500 1000 1500

metre

AGD84 / AMG zone 55

5 cm

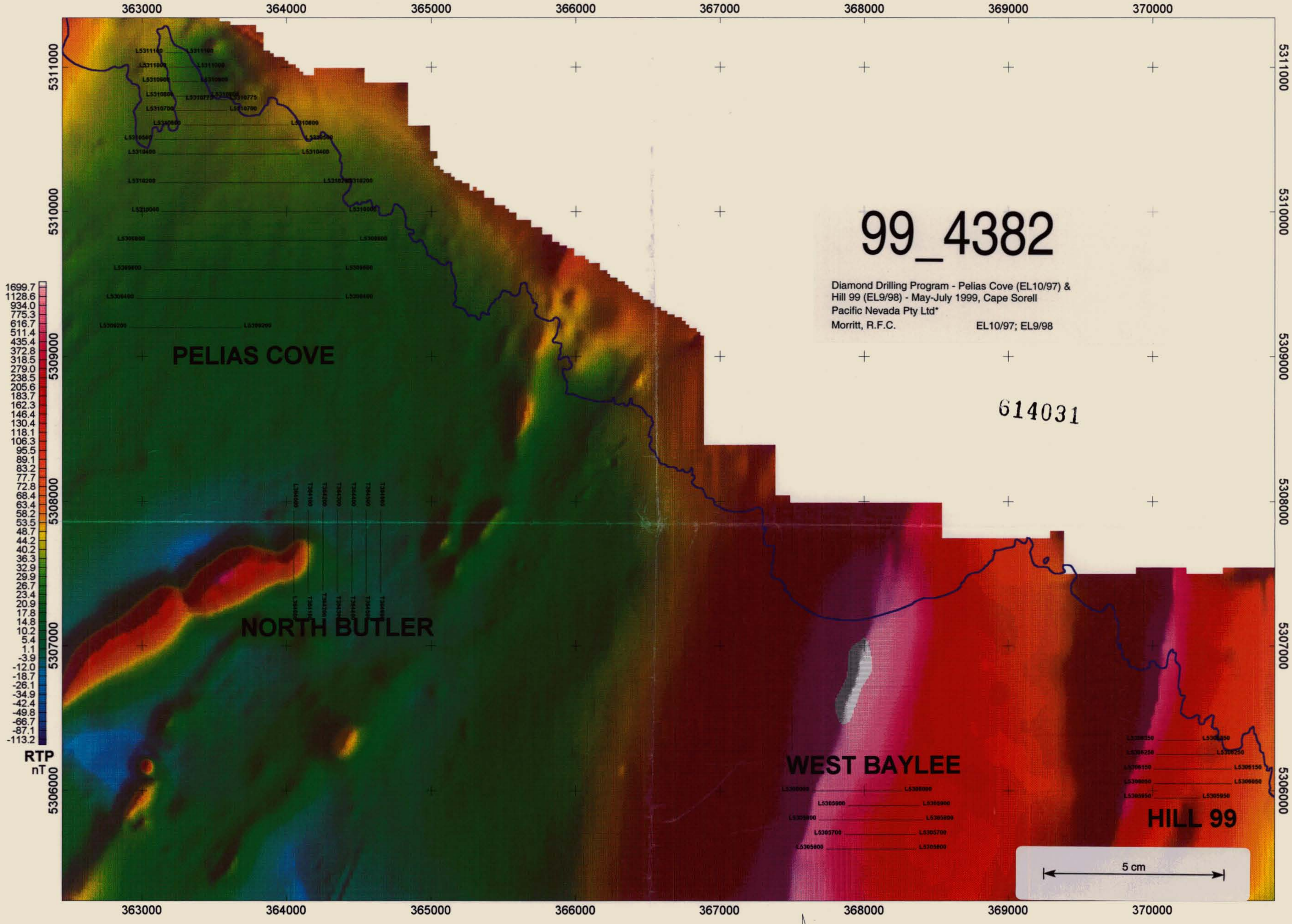
PACIFIC NEVADA PTY LTD

CAPE SORELL AREA, WEST TASMANIA, AUSTRALIA
TAS MINES DEPT GEOLOGY

SHOWING PACIFIC-NEVADA GRIDS

FLAGSTAFF GEOCONSULTANTS; NH, 8/99. FIG 2

614030

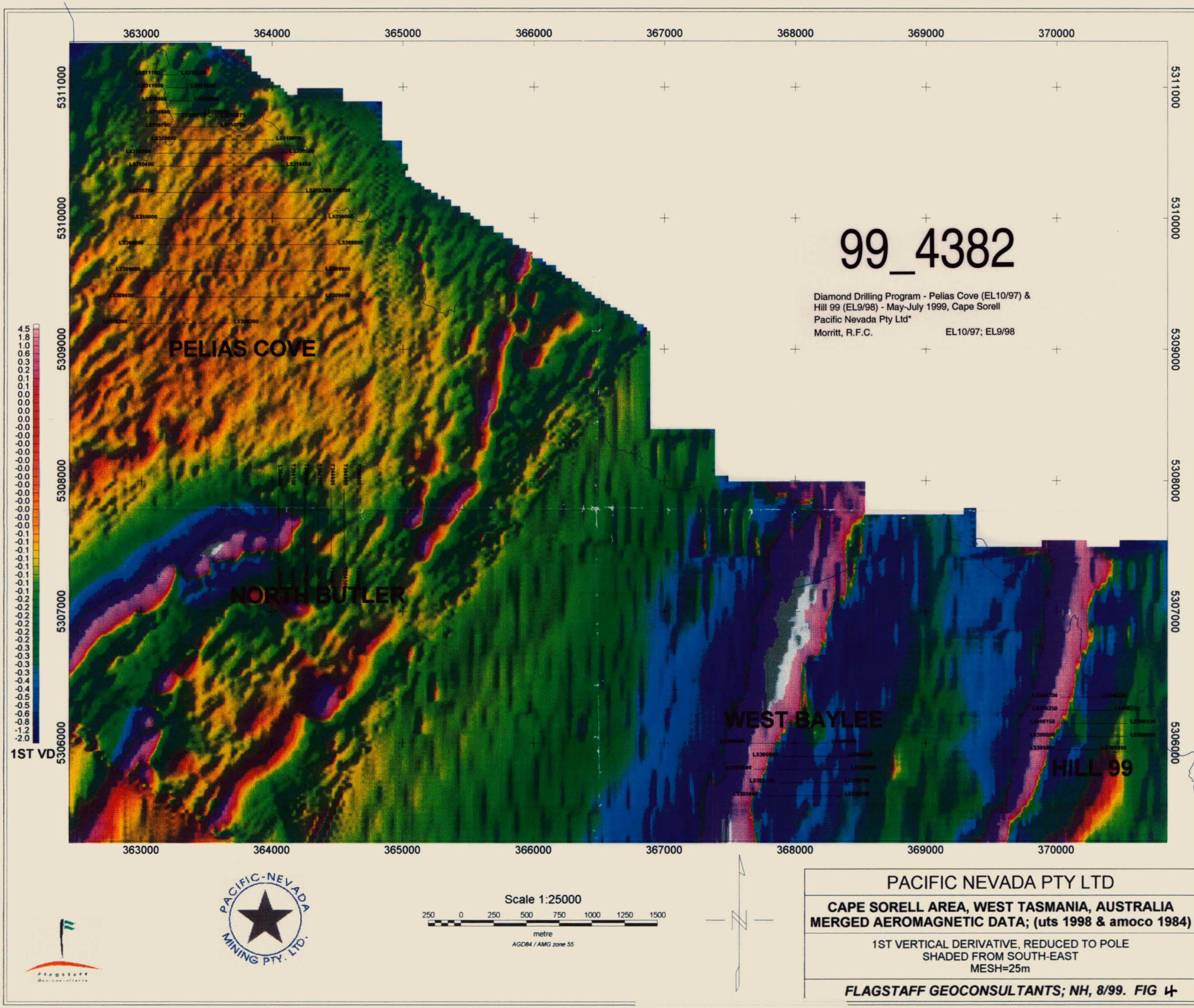


PACIFIC NEVADA PTY LTD

CAPE SORELL AREA, WEST TASMANIA, AUSTRALIA
MERGED AEROMAGNETIC DATA; (UTS 1998 & AMOCO 1984)

TOTAL MAGNETIC FIELD (REDUCED TO POLE)
SHADED FROM SOUTH-EAST
MESH=25m

FLAGSTAFF GEOCONSULTANTS; NH, 8/99. FIG 3



PACIFIC NEVADA PTY LTD

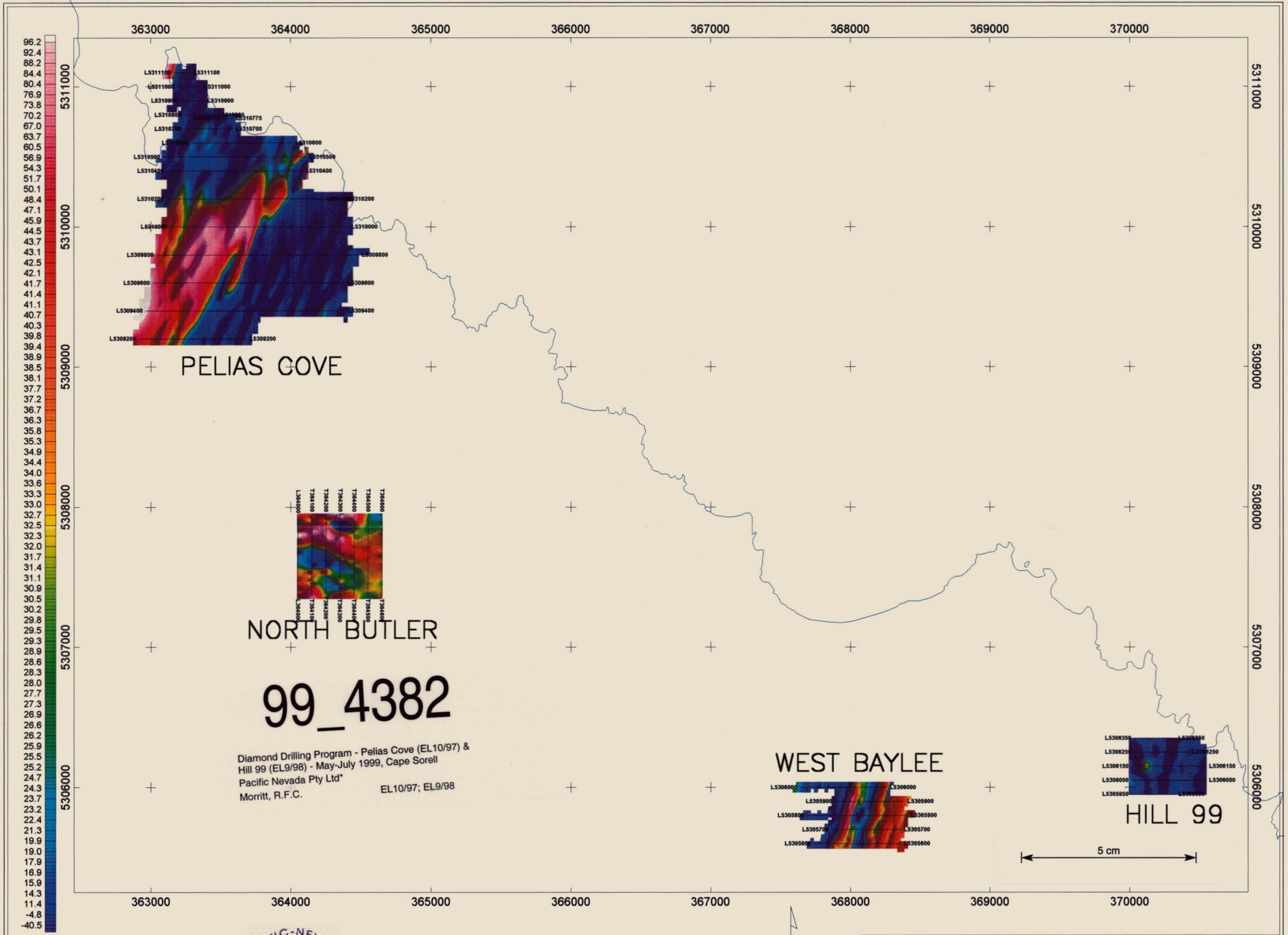
CAPE SORELL AREA, WEST TASMANIA, AUSTRALIA
MERGED AEROMAGNETIC DATA; (uts 1998 & amoco 1984)

1ST VERTICAL DERIVATIVE, REDUCED TO POLE
SHADED FROM SOUTH-EAST
MESH=25m

FLAGSTAFF GEOCONSULTANTS; NH, 8/99. FIG 4

5 cm

614032



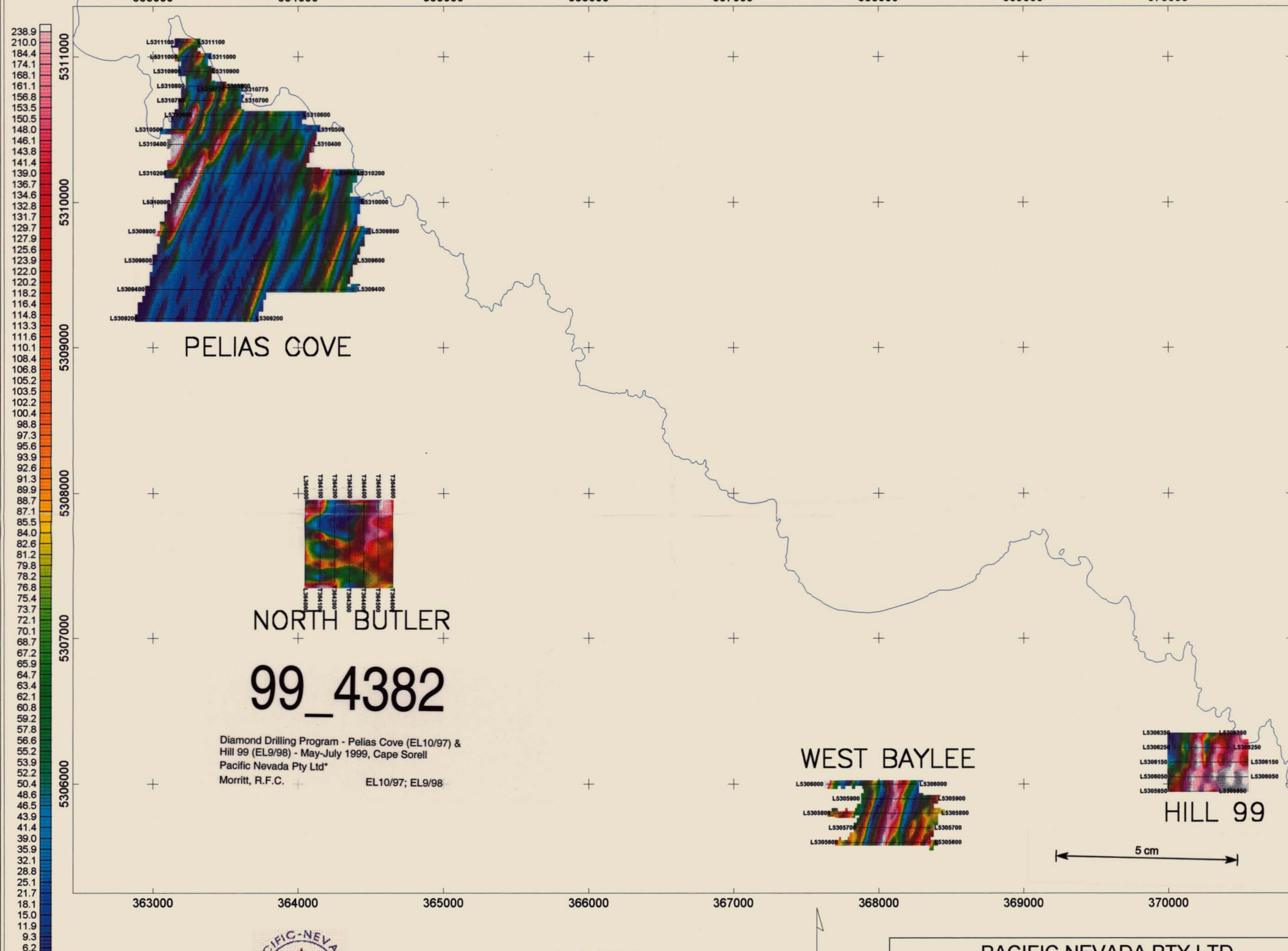
PACIFIC NEVADA PTY LTD

CAPE SORELL AREA, WEST TASMANIA, AUSTRALIA
GRADIENT IP/RESISTIVITY SURVEYS, ZONGE 1999

3PT PHASE IP; SHADED FROM SOUTH-EAST
SAME COLOUR SHADING FOR ALL GRIDS

FLAGSTAFF GEOCONSULTANTS; NH, 8/99. FIG 5

614033



99_4382

Diamond Drilling Program - Pelias Cove (EL10/97) & Hill 99 (EL9/98) - May-July 1999, Cape Sorell
Pacific Nevada Pty Ltd*
Morritt, R.F.C. EL10/97; EL9/98

Scale 1:25000

metre

AGD84 / AMG zone 55

PACIFIC NEVADA PTY LTD

CAPE SORELL AREA, WEST TASMANIA, AUSTRALIA
GRADIENT IP/RESISTIVITY SURVEYS, ZONGE 1999

APPARENT RESISTIVITY; SHADED FROM SOUTH-EAST
SAME COLOUR SHADING FOR ALL GRIDS

FLAGSTAFF GEOCONSULTANTS; NH, 8/99. FIG 6

614034

614035

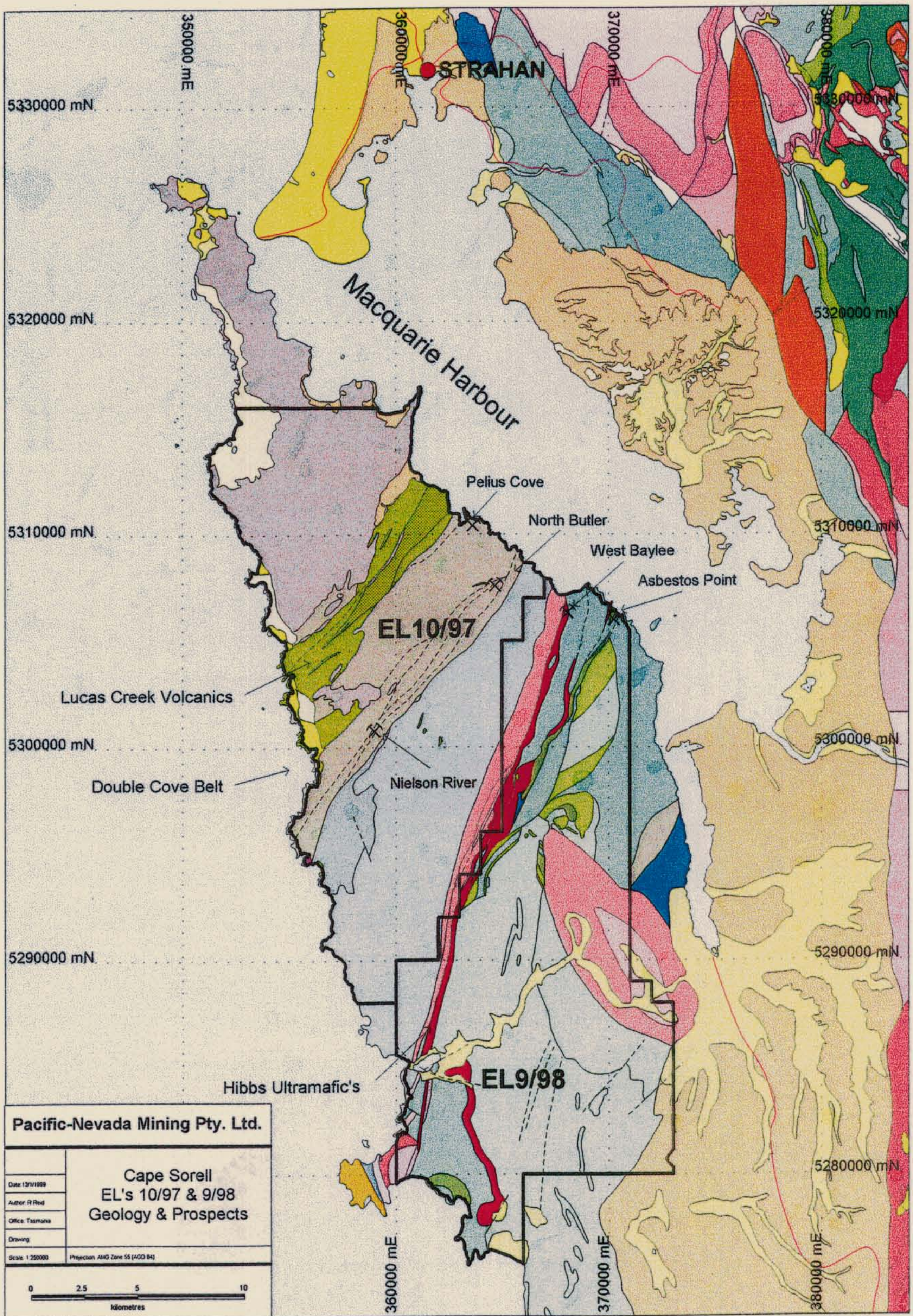
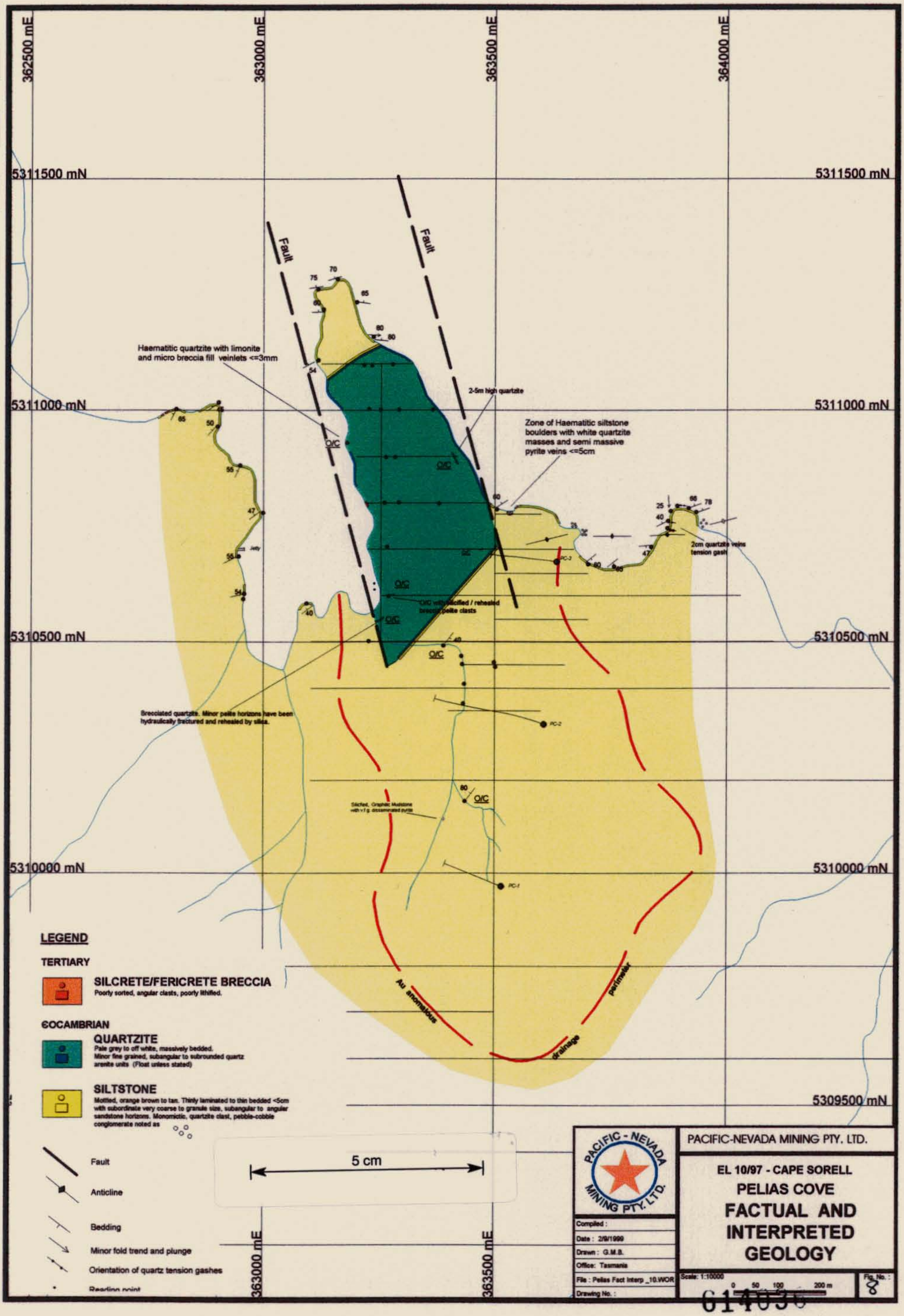


Fig 7

5 cm



362500 mE
363000 mE
363500 mE
364000 mE
5311500 mN
5311000 mN
5310500 mN
5310000 mN
5309500 mN
Fault
Fault
Haematitic quartzite with limonite and micro breccia fill veinlets <=3mm
2-5m high quartzite
Zone of Haematitic siltstone boulders with white quartzite masses and semi massive pyrite veins <=5cm
2cm quartzite veins tension gash
O/C
Jetty
PC-3
PC-2
PC-1
Brecciated quartzite. Minor pelite horizons have been hydraulically fractured and rehealed by silica.
Au anomalous drainage perimeter
LEGEND
TERTIARY
SILCRETE/FERICRETE BRECCIA
Poorly sorted, angular clasts, poorly lithified.
ЄOCAMBRIAN
QUARTZITE
Pale grey to off white, massively bedded. Minor fine grained, subangular to subrounded quartz arenite units (Float unless stated)
SILTSTONE
Mottled, orange brown to tan. Thinly laminated to thin bedded <5cm with subordinate very coarse to granule size, subangular to angular sandstone horizons. Monomictic, quartzite clast, pebble-cobble conglomerate noted as
Fault
Anticline
Bedding
Minor fold trend and plunge
Orientation of quartz tension gashes
Reading point
5 cm
PACIFIC - NEVADA MINING PTY. LTD.
PACIFIC-NEVADA MINING PTY. LTD.
EL 10/97 - CAPE SORELL
PELIAS COVE
FACTUAL AND INTERPRETED GEOLOGY
Compiled :
Date : 2/9/1999
Drawn : G.M.B.
Office: Tasmania
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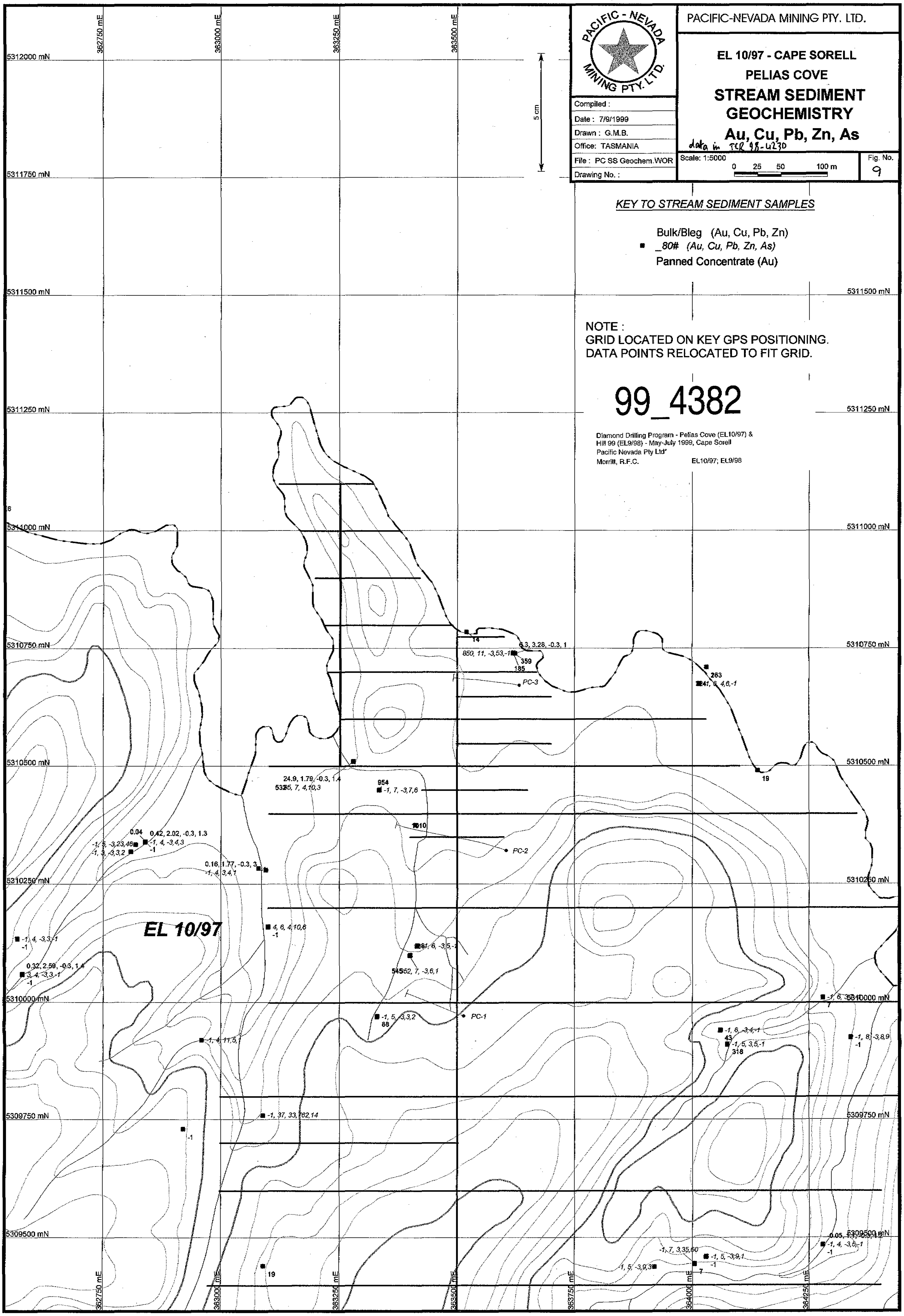
Fig. No. : 8
614036

614036

614037



PACIFIC-NEVADA MINING PTY. LTD.
PACIFIC - NEVADA MINING PTY. LTD.
EL 10/97 - CAPE SORELL
PELIAS COVE
STREAM SEDIMENT GEOCHEMISTRY
Au, Cu, Pb, Zn, As
data in TCR 98-4230
Compiled :
Date : 7/9/1999
Drawn : G.M.B.
Office: TASMANIA
File : PC SS Geochem.WOR
Drawing No. :
Scale: 1:5000
0 25 50 100 m
Fig. No. 9
5 cm
KEY TO STREAM SEDIMENT SAMPLES
Bulk/Bleg (Au, Cu, Pb, Zn)
_80# (Au, Cu, Pb, Zn, As)
Panned Concentrate (Au)
NOTE :
GRID LOCATED ON KEY GPS POSITIONING.
DATA POINTS RELOCATED TO FIT GRID.
99_4382
Diamond Drilling Program - Pelias Cove (EL10/97) & Hill 99 (EL9/98) - May-July 1999, Cape Sorell
Pacific Nevada Pty Ltd'
Morritt, R.F.C.
EL10/97; EL9/98
EL 10/97
PC-1
PC-2
PC-3
362750 mE
363000 mE
363250 mE
363500 mE
363750 mE
364000 mE
364250 mE
5312000 mN
5311750 mN
5311500 mN
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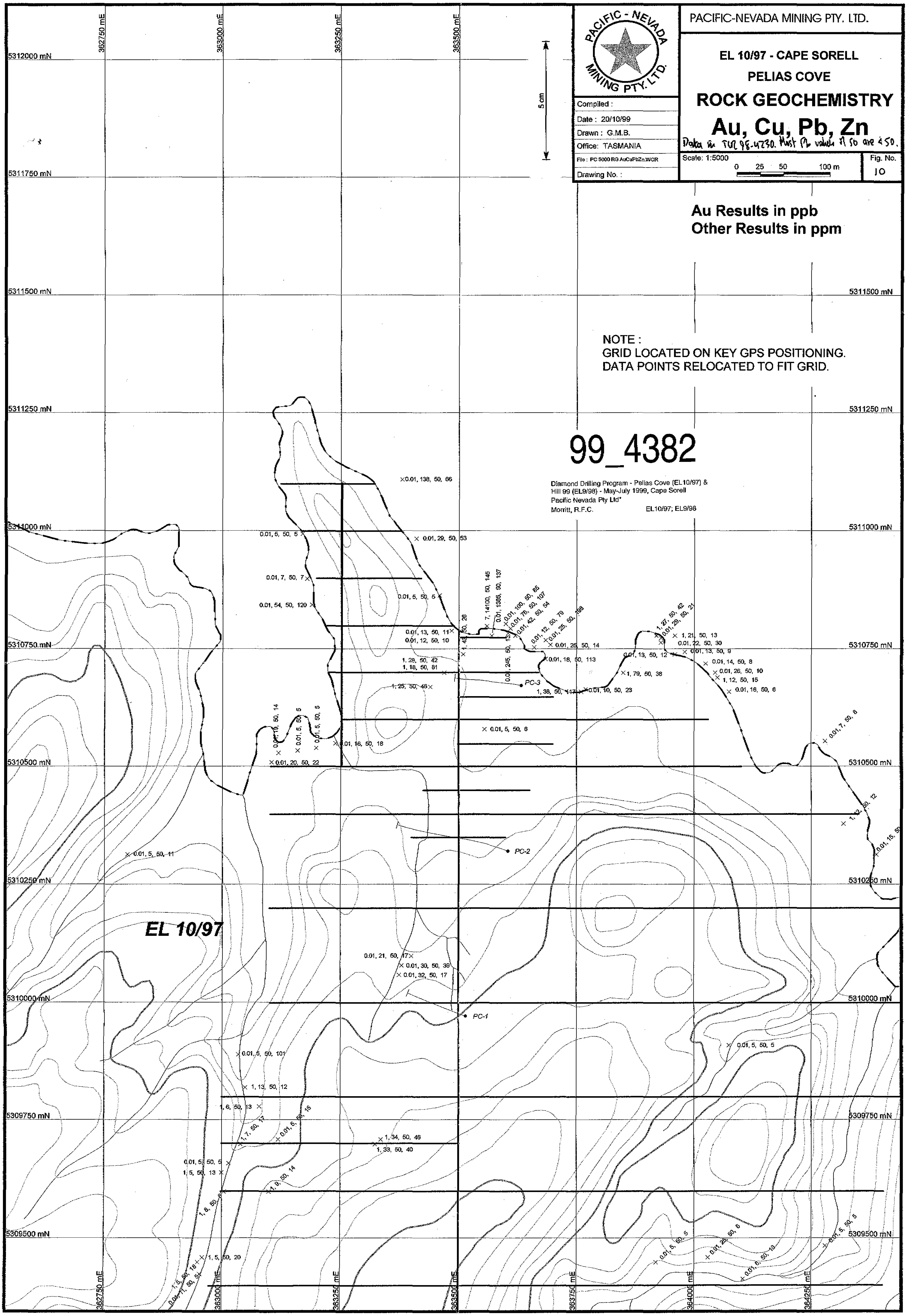
614038


PACIFIC - NEVADA MINING PTY. LTD.
PACIFIC-NEVADA MINING PTY. LTD.
EL 10/97 - CAPE SORELL
PELIAS COVE
ROCK GEOCHEMISTRY
Au, Cu, Pb, Zn
Compiled :
Date : 20/10/99
Drawn : G.M.B.
Office: TASMANIA
File : PC 5000 RG AuCuPbZn.WOR
Drawing No. :
Scale: 1:5000
0 25 50 100 m
Fig. No.
10
5 cm
Au Results in ppb
Other Results in ppm
NOTE :
GRID LOCATED ON KEY GPS POSITIONING.
DATA POINTS RELOCATED TO FIT GRID.
99_4382
Diamond Drilling Program - Pelias Cove (EL10/97) & Hill 99 (EL9/98) - May-July 1999, Cape Sorell
Pacific Nevada Pty Ltd*
Morritt, R.F.C. EL10/97; EL9/98
EL 10/97
PC-1
PC-2
PC-3
362750 mE
363000 mE
363250 mE
363500 mE
363750 mE
364000 mE
364250 mE
5312000 mN
5311750 mN
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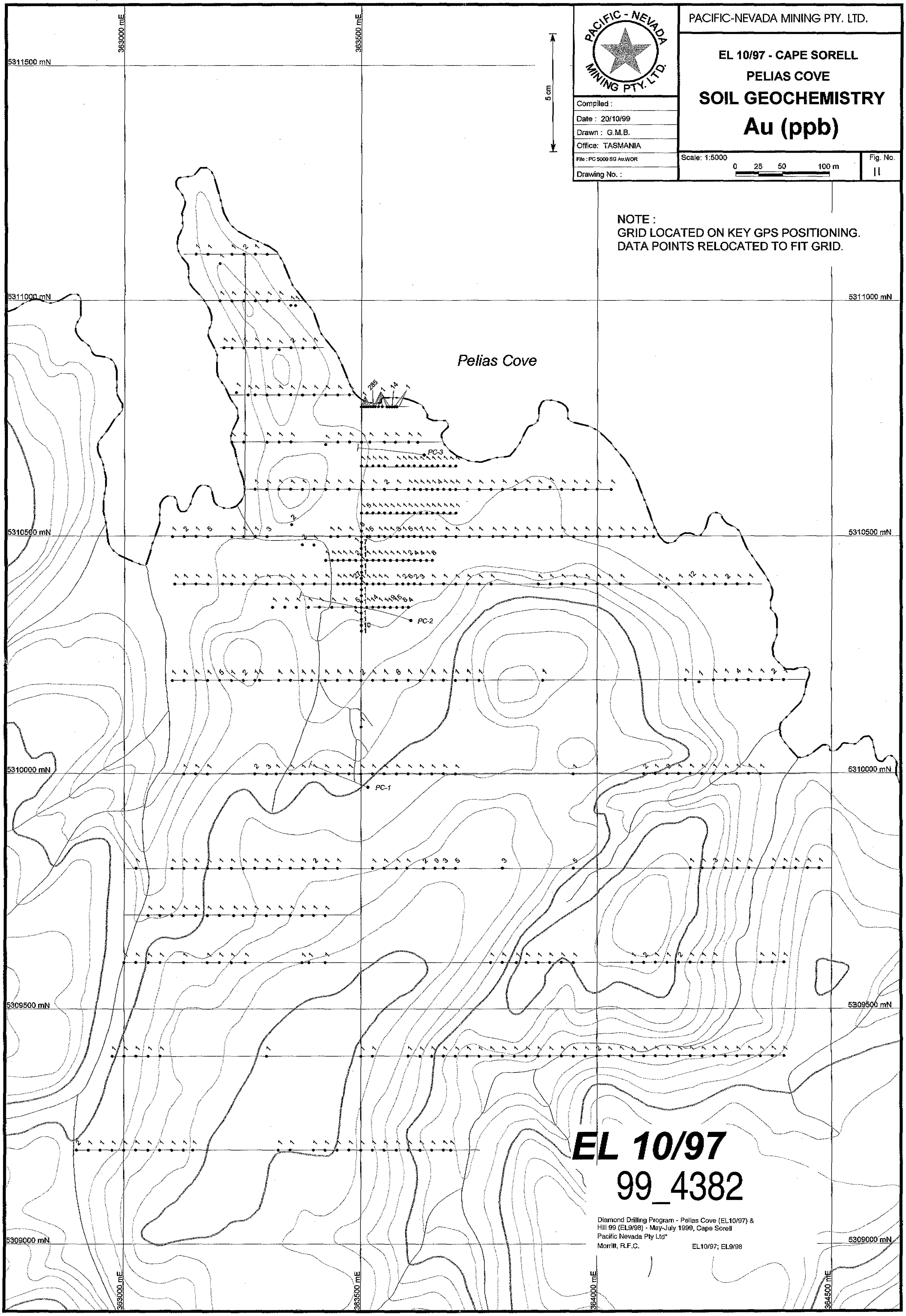
614039



PACIFIC-NEVADA MINING PTY. LTD.
EL 10/97 - CAPE SORELL
PELIAS COVE
SOIL GEOCHEMISTRY
Au (ppb)
Compiled :
Date : 20/10/99
Drawn : G.M.B.
Office: TASMANIA
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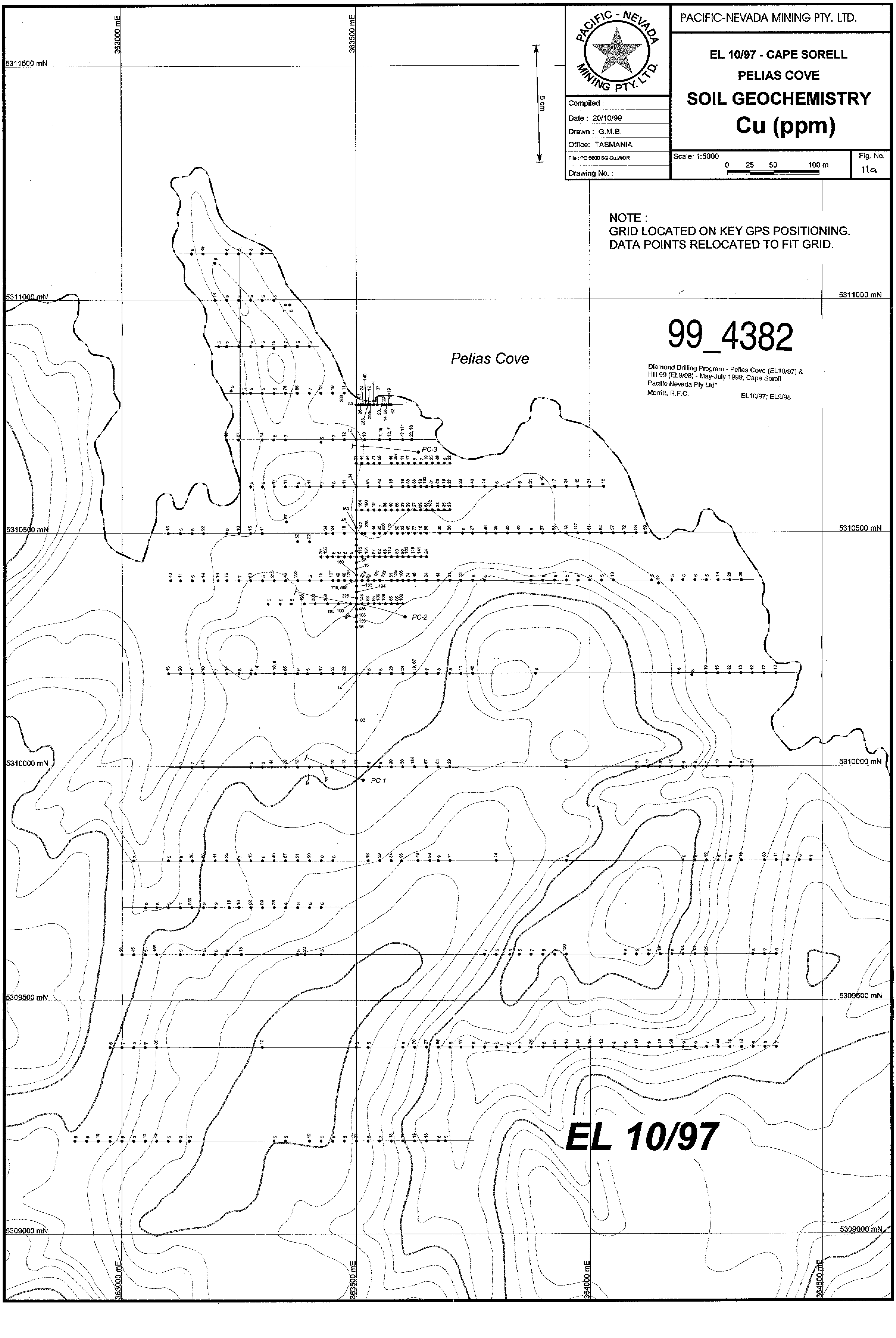
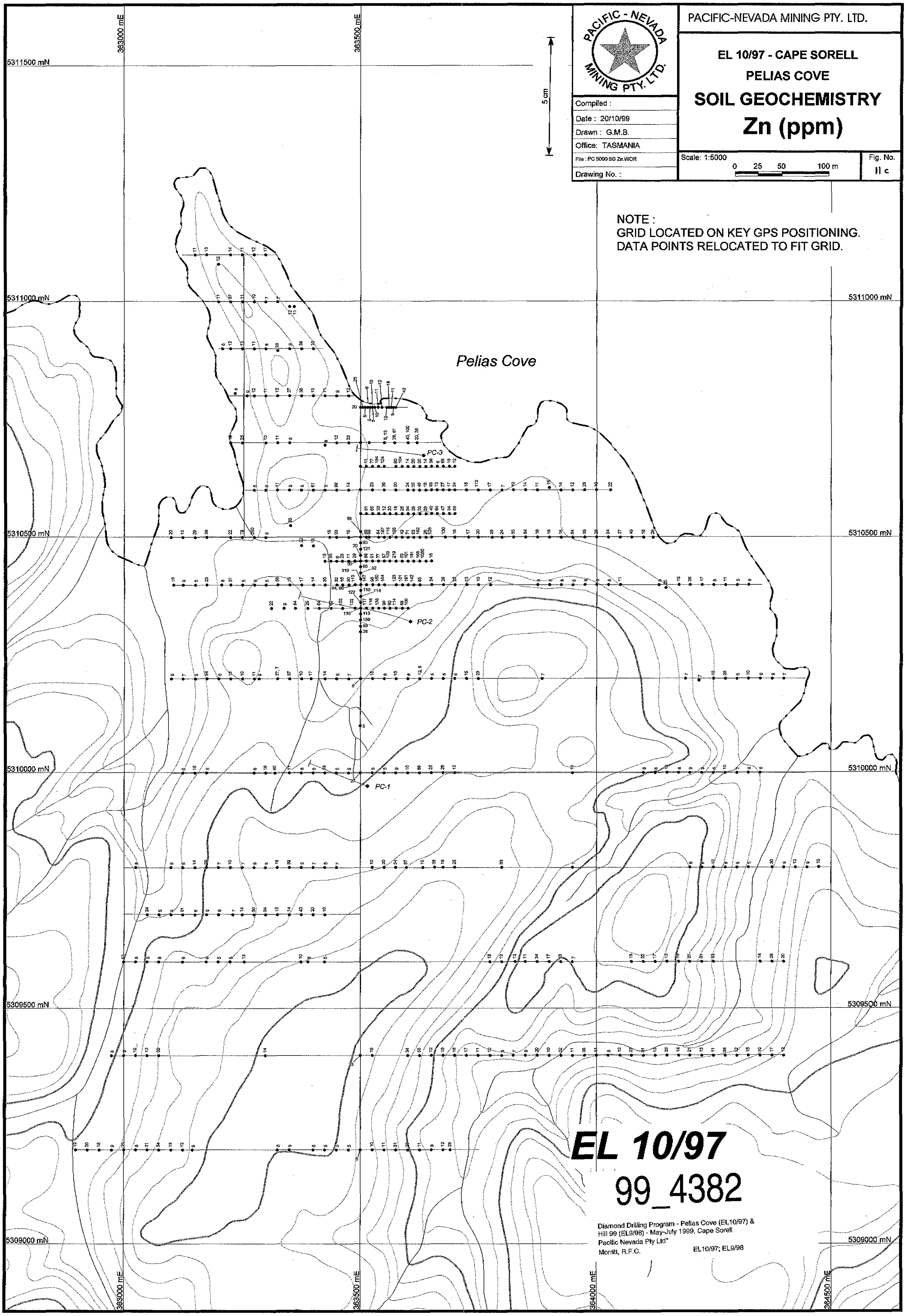
Drawing No. :
Scale: 1:5000
0 25 50 100 m
Fig. No.
11
5 cm
NOTE :
GRID LOCATED ON KEY GPS POSITIONING.
DATA POINTS RELOCATED TO FIT GRID.
Pelias Cove
PC-1
PC-2
PC-3
5311500 mN
5311000 mN
5310500 mN
5310000 mN
5309500 mN
5309000 mN
363000 mE
363500 mE
364000 mE
364500 mE
EL 10/97
99_4382
Diamond Drilling Program - Pelias Cove (EL10/97) & Hill 99 (EL9/98) - May-July 1999, Cape Sorell
Pacific Nevada Pty Ltd*
Morritt, R.F.C.
EL10/97; EL9/98

614040

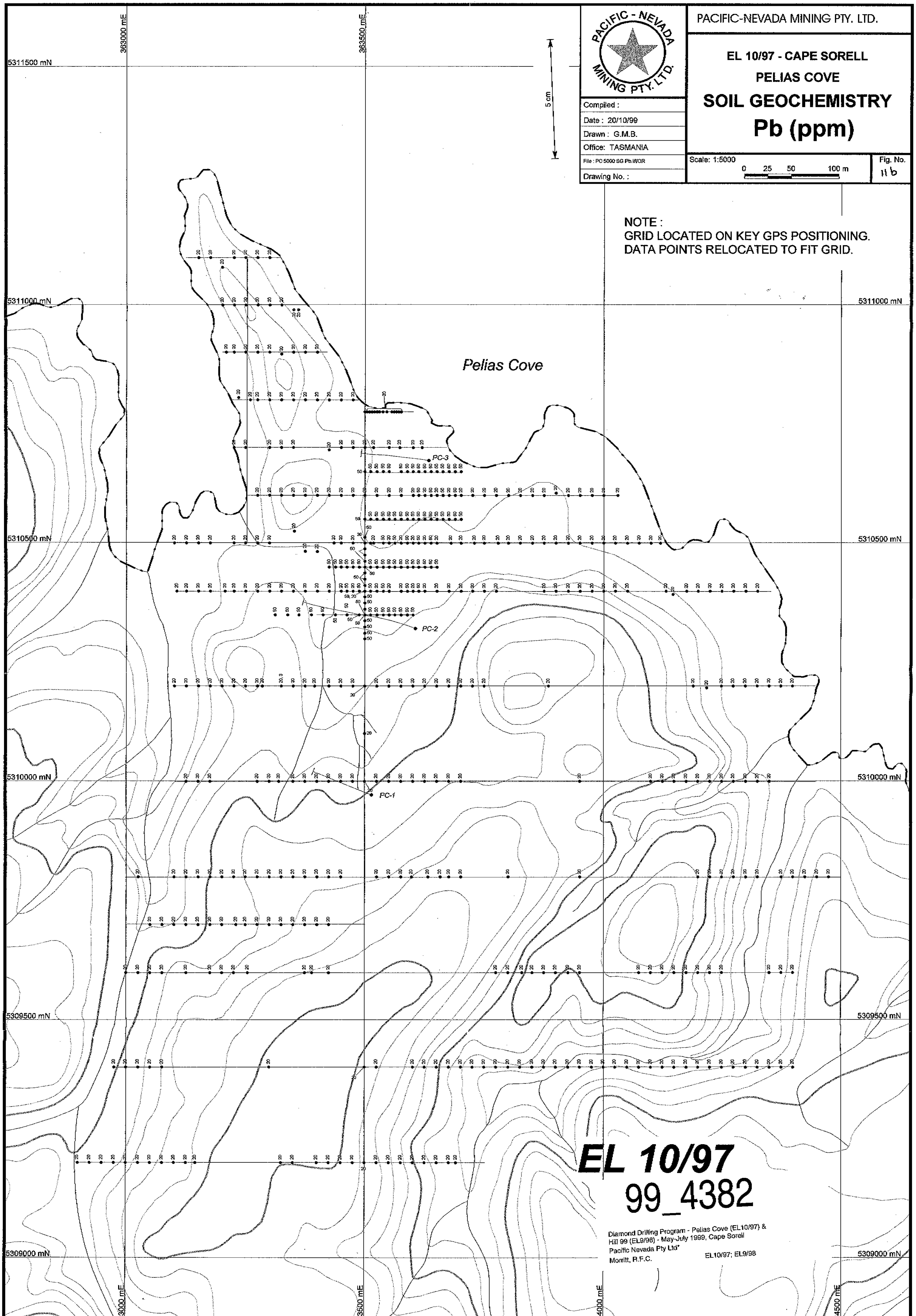

PACIFIC-NEVADA MINING PTY. LTD.
PACIFIC - NEVADA MINING PTY. LTD.
EL 10/97 - CAPE SORELL
PELIAS COVE
SOIL GEOCHEMISTRY
Cu (ppm)
Compiled :
Date : 20/10/99
Drawn : G.M.B.
Office: TASMANIA
File : PC 5000 SG Cu.WOR
Drawing No. :
Scale: 1:5000
0 25 50 100 m
Fig. No.
11a
5 cm
NOTE :
GRID LOCATED ON KEY GPS POSITIONING.
DATA POINTS RELOCATED TO FIT GRID.
99_4382
Diamond Drilling Program - Pelias Cove (EL10/97) & Hill 99 (EL9/98) - May-July 1999, Cape Sorell
Pacific Nevada Pty Ltd*
Morritt, R.F.C.
EL10/97; EL9/98
Pelias Cove
PC-3
PC-2
PC-1
EL 10/97
5311500 mN
5311000 mN
5310500 mN
5310000 mN
5309500 mN
5309000 mN
363000 mE
363500 mE
364000 mE
364500 mE



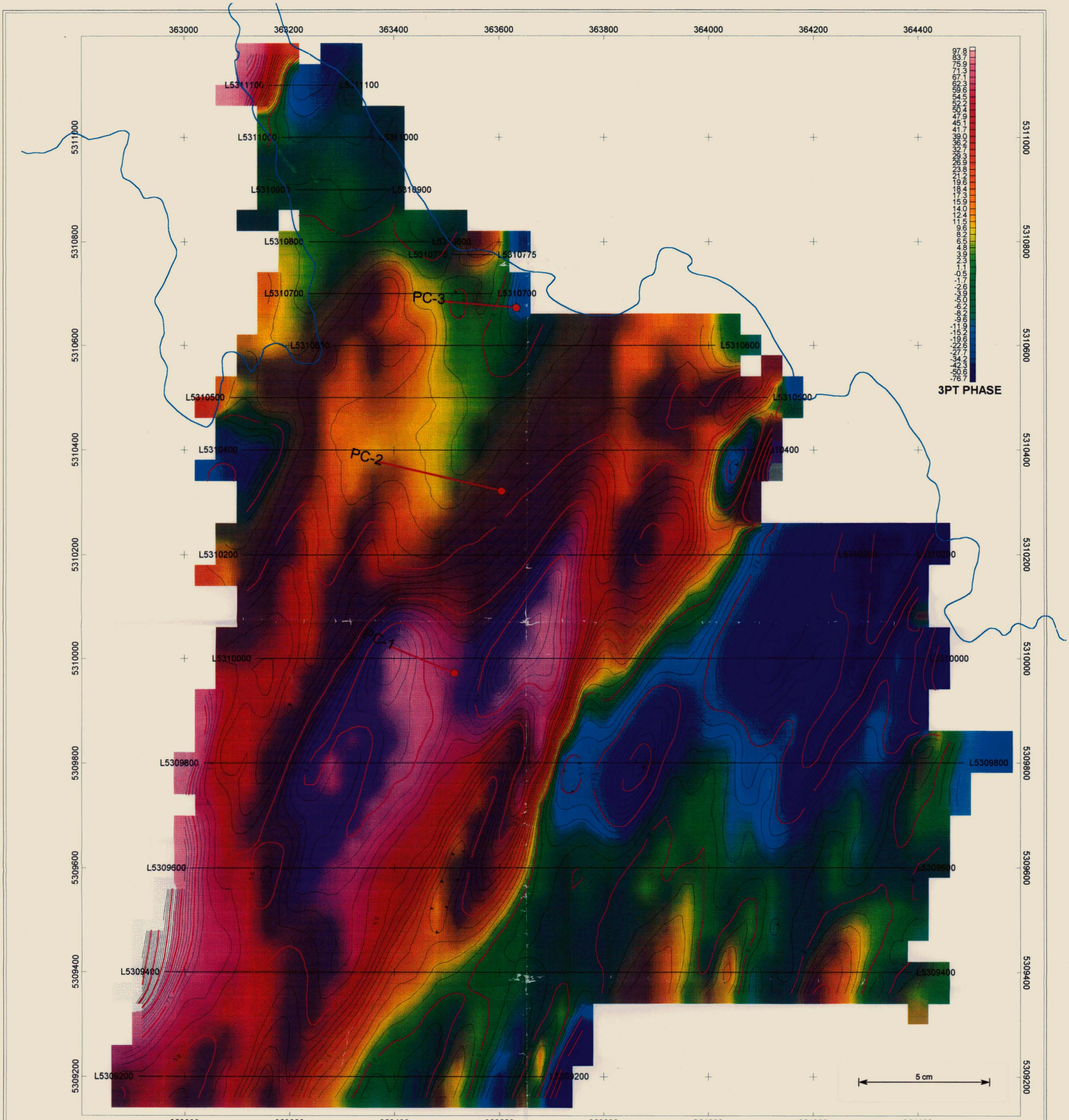
PACIFIC-NEVADA MINING PTY. LTD.
EL 10/97 - CAPE SORELL
PELIAS COVE
SOIL GEOCHEMISTRY
Zn (ppm)
Compiled :
Date : 20/10/99
Drawn : G.M.B.
Office: TASMANIA
File : PC 5000 SG Zn.WOR
Drawing No. :
Scale: 1:5000
0 25 50 100 m
Fig. No.
11 c
5 cm
NOTE :
GRID LOCATED ON KEY GPS POSITIONING.
DATA POINTS RELOCATED TO FIT GRID.
Pelias Cove
PC-1
PC-2
PC-3
5311500 mN
5311000 mN
5310500 mN
5310000 mN
5309500 mN
5309000 mN
363000 mE
363500 mE
364000 mE
364500 mE
EL 10/97
99_4382
Diamond Drilling Program - Pelias Cove (EL10/97) & Hill 99 (EL9/98) - May-July 1999, Cape Sorell
Pacific Nevada Pty Ltd
Morritt, R.F.C.
EL10/97; EL9/98

614041

614042



PACIFIC-NEVADA MINING PTY. LTD.
EL 10/97 - CAPE SORELL
PELIAS COVE
SOIL GEOCHEMISTRY
Pb (ppm)
Compiled :
Date : 20/10/99
Drawn : G.M.B.
Office: TASMANIA
File : PC5000 SG Pb.WOR
Drawing No. :
Scale: 1:5000
0 25 50 100 m
Fig. No.
11b
5 cm
NOTE :
GRID LOCATED ON KEY GPS POSITIONING.
DATA POINTS RELOCATED TO FIT GRID.
Pelias Cove
PC-1
PC-2
PC-3
5311500 mN
5311000 mN
5310500 mN
5310000 mN
5309500 mN
5309000 mN
363000 mE
363500 mE
364000 mE
364500 mE
EL 10/97
99_4382
Diamond Drilling Program - Pelias Cove (EL10/97) & Hill 99 (EL9/98) - May-July 1999, Cape Sorell
Pacific Nevada Pty Ltd
Morritt, R.F.C.
EL10/97; EL9/98



CURRENT ELECTRODES
NORTHERN ARRAY:
WEST: 362250E/5310400N
EAST: 365050E/5310400N
SOUTHERN ARRAY:
WEST: 362250E/5309600N
EAST: 365050E/5309600N

Scale 1:5000

50 0 50 100 150 200 250 300

metre

AGD84 / AMG zone 55

PACIFIC NEVADA MINING PTY LTD

PELIAS COVE, CAPE SORELL, TASMANIA
IP/RESISTIVITY SURVEY; ZONGE,3/99

3PT PHASE IP; SUN FROM SE
CONTOUR INTERVAL: 5,25 mrad

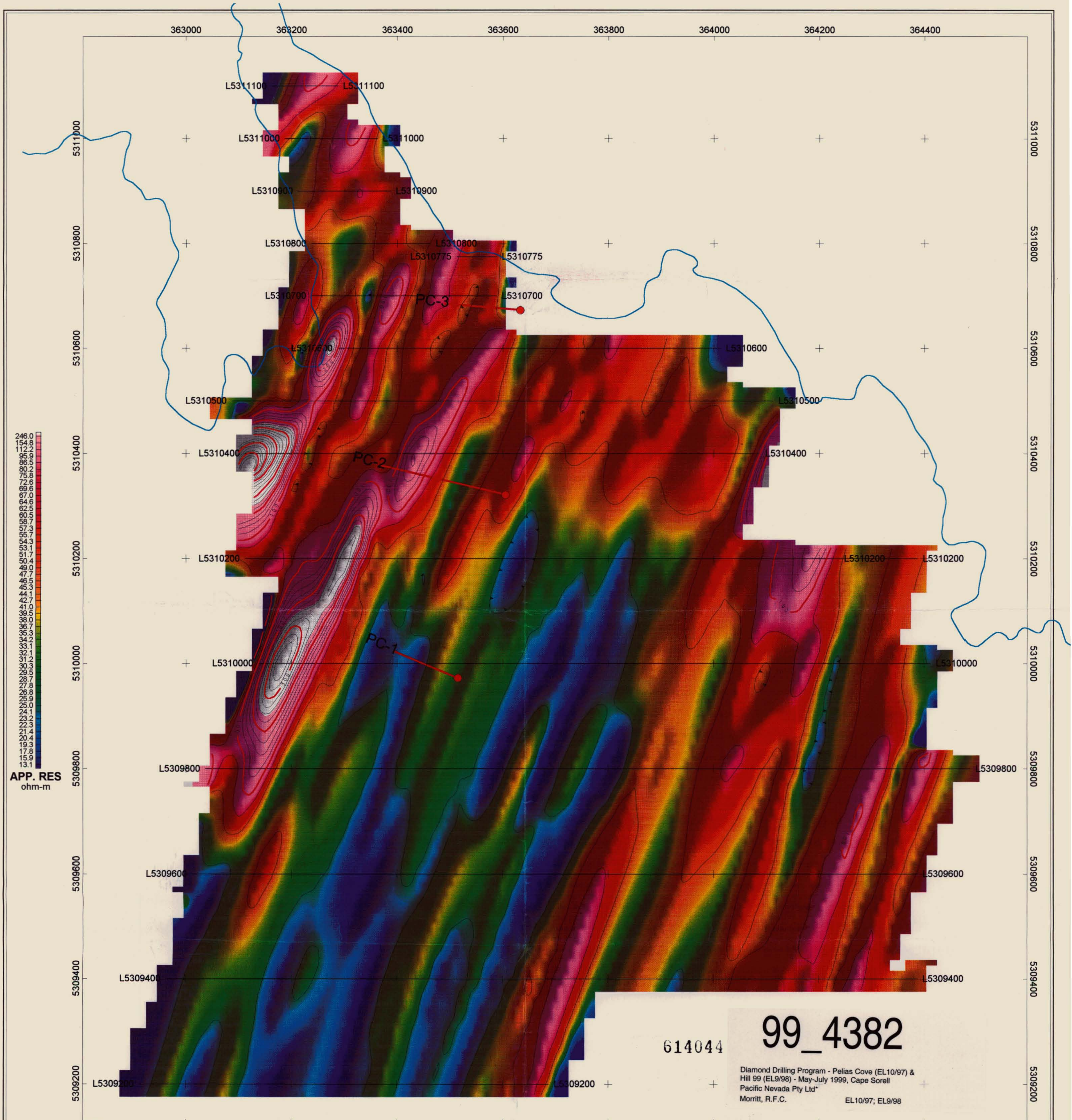
FLAGSTAFF GEOCONSULTANTS; NH, 8/99

Fig 12

99_4382

Diamond Drilling Program - Pelias Cove (EL10/97) &
Hill 99 (EL9/98) - May-July 1999, Cape Sorell
Pacific Nevada Pty Ltd*
Morritt, R.F.C. EL10/97; EL9/98

614043



614044

99_4382

Diamond Drilling Program - Pelias Cove (EL10/97) & Hill 99 (EL9/98) - May-July 1999, Cape Sorell
Pacific Nevada Pty Ltd*
Morritt, R.F.C.
EL10/97; EL9/98

CURRENT ELECTRODES
NORTHERN ARRAY:
WEST: 362250E/5310400N
EAST: 365050E/5310400N
SOUTHERN ARRAY:
WEST: 362250E/5309600N
EAST: 365050E/5309600N

Scale 1:5000
50 0 50 100 150 200 250 300
metre
AGD84 / AMG zone 55

5 cm

PACIFIC NEVADA MINING PTY LTD

PELIAS COVE, CAPE SORELL, TASMANIA
IP/RESISTIVITY SURVEY; ZONGE,3/99

APPARENT RESISTIVITY; SUN FROM SE
CONTOUR INTERVAL: 25,100ohm-m
40m cell size; trended gridding

FLAGSTAFF GEOCONSULTANTS; NH, 8/99

Fig 13

614045

PACIFIC-NEVADA MINING PTY. LTD.

EL10/97 - CAPE SORELL

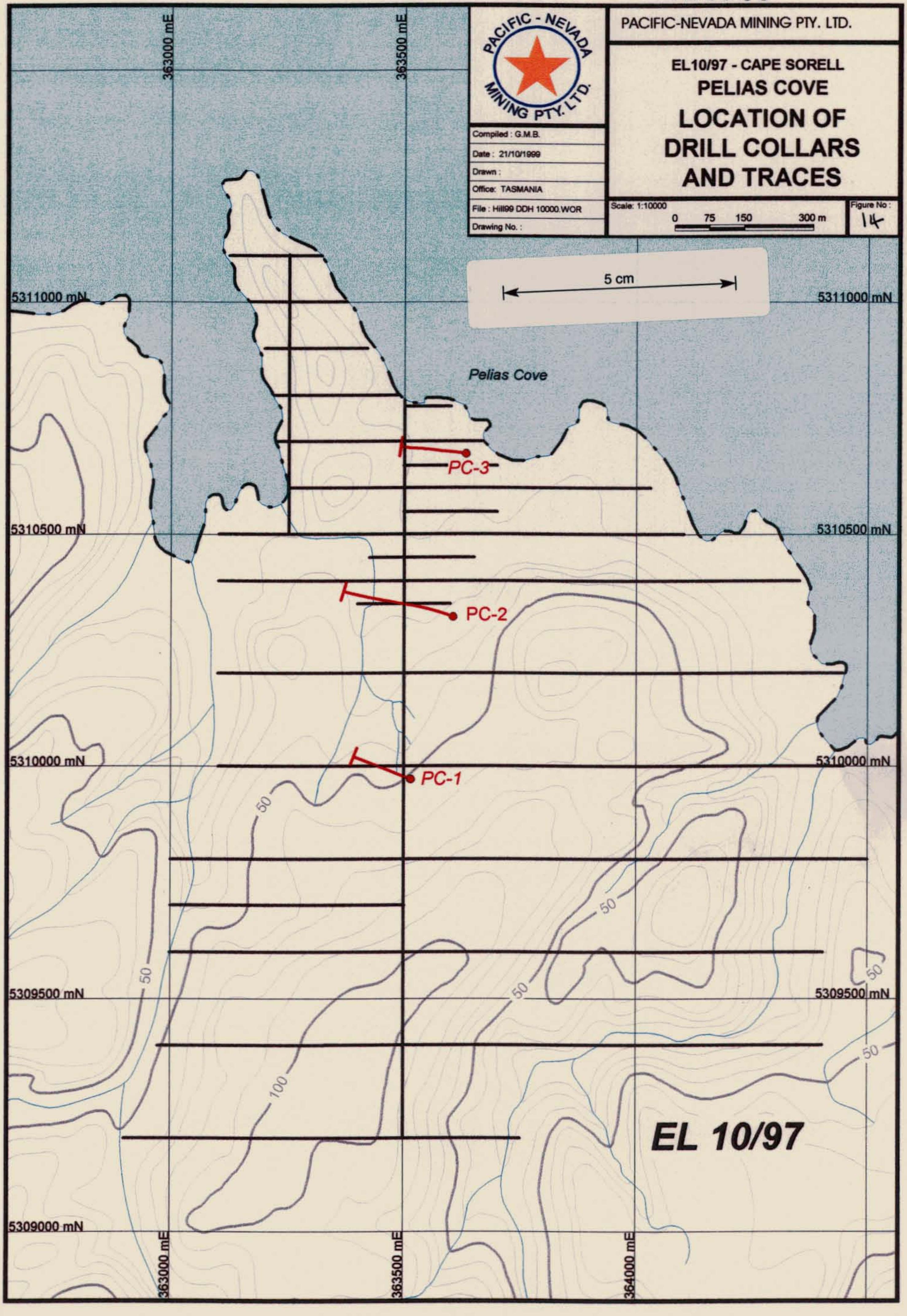
PELIAS COVE

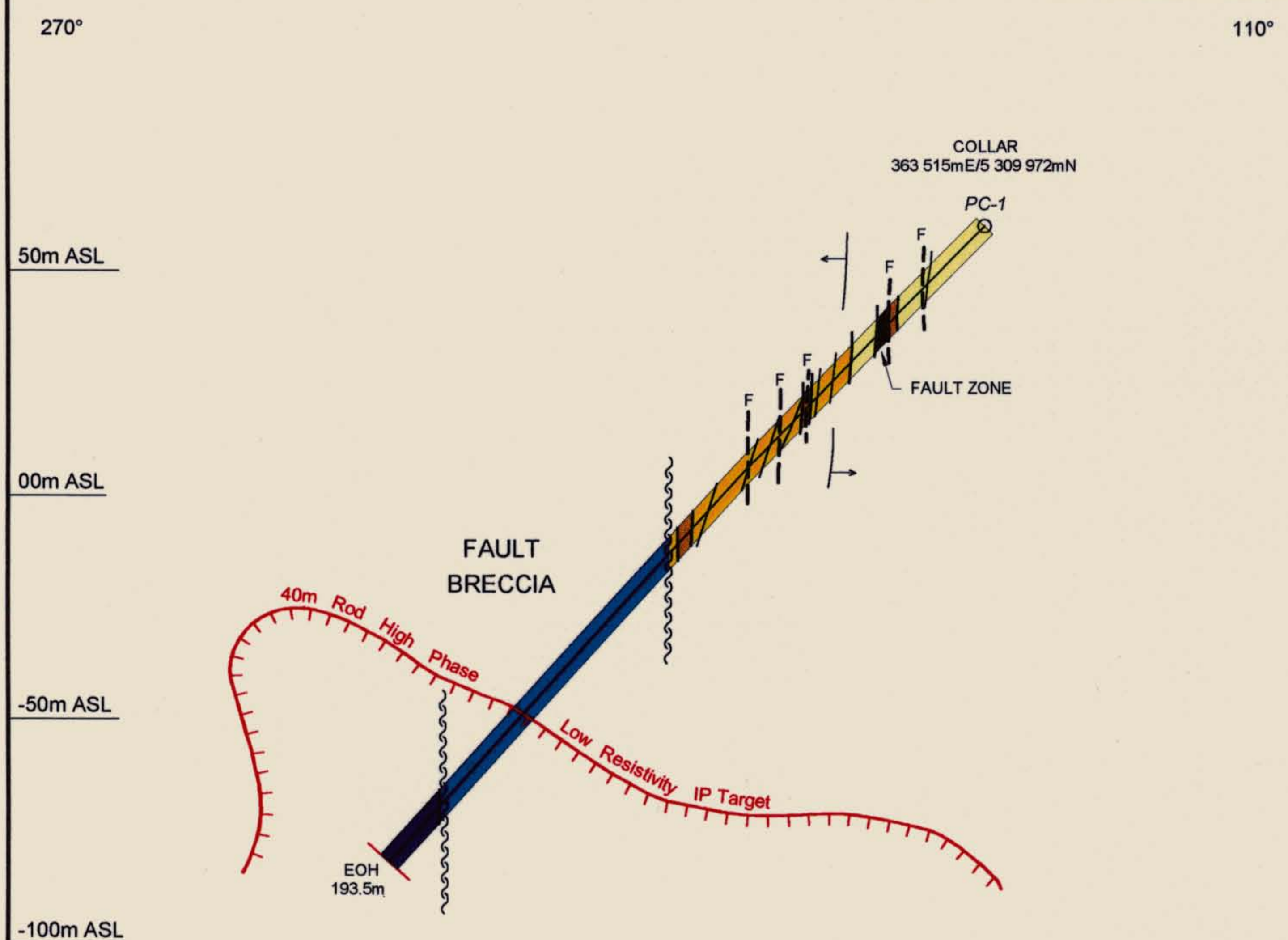
LOCATION OF DRILL COLLARS AND TRACES

Compiled : G.M.B.
Date : 21/10/1999
Drawn :
Office: TASMANIA
File : Hill99 DDH 10000.WOR
Drawing No. :

Scale: 1:10000

Figure No : 14





From 151.5 - 166.5 there were numerous zones of nil recovery with the average recovery of this interval being 30%. This zone corresponds to the top ot the IP Target. Perhaps the fault mimics the shape of the IP target. viz 30° East.

LEGEND

SILTSTONE
Pale grey, massive unit

SILTSTONE
Mid to dark grey, massive unit.

SILTSTONE
Pale grey, laminated unit with subordinate massive bands.

BRECCIA
Fault breccia composed of angular, poorly sorted, polymict sedimentary clasts (laminated siltstones, fine sandstones, silicified pelite). Matrix is either poorly consolidated, ferruginous clay or well consolidated siltstone. Jigsaw textures evident.

MUDSTONE
Dark grey to black, fine to thick lamellae, biogenic pyrite, disseminated, <1 %.

Fault

Bedding

5 cm

NOTE :
Core bedding angles are assumed to be moderate to steeply dipping westwards. No orientation surveys successful.

PACIFIC-NEVADA MINING PTY. LTD

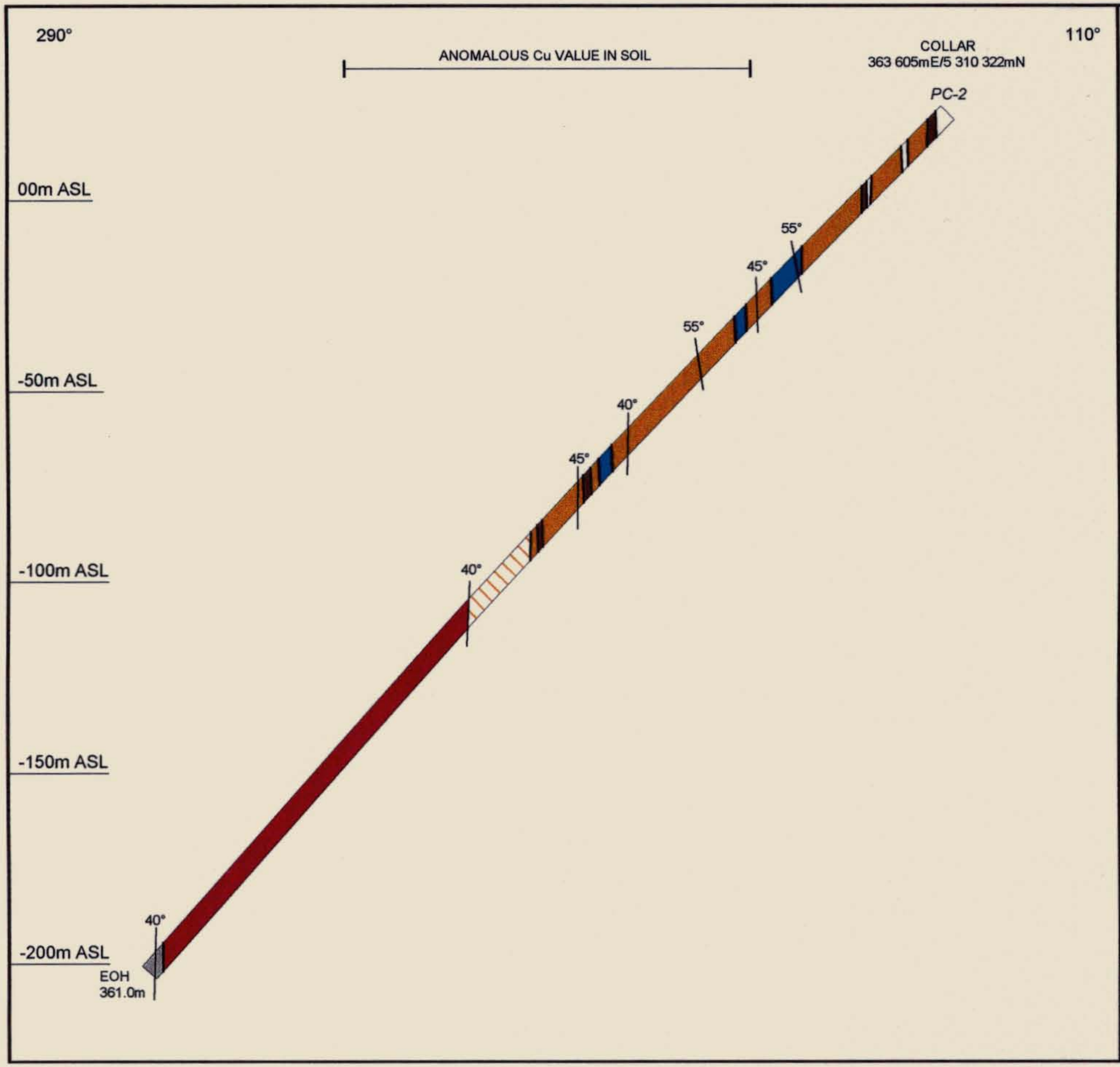
EL 10/97 - CAPE SORELL
PELIAS COVE
CROSS SECTION 5 309 972mN
DDH PC-1

COMPILED : L.V.
DATE : 05/08/99
DRAWN : G.M.B.
OFFICE : Tasmania
FILE : PC-1 Section
DWG No. :

SCALE : 1:1500 0 10 30 m

Figure No. 15

614046



LEGEND

SILTSTONE
Laminated, cream brown in colour.

SANDSTONE
Fine grained $\frac{1}{8}$ to $\frac{1}{4}$m, subrounded to subangular.

BRECCIA
Sedimentary origin, poorly sorted, polymictic with sedimentary clasts, matrix supported. last size from granule to pebble in a poor to moderately consolidated matrix of clay and silt.

ALTERED SILTSTONE
Gradational increase in talcose alteration intensity.

ZONE IF SILICA-TALC ALTERATION
Intense and pervasive silica alteration that totally obscures the dolomite (?) siltstone protolith.

METASEDIMENT
Dark grey pelite with quartz grain lineation.

45° Core bedding angles

5 cm

PACIFIC-NEVADA MINING PTY. LTD

EL 10/97 - CAPE SORELL
PELIAS COVE
CROSS SECTION 5 310 322mN

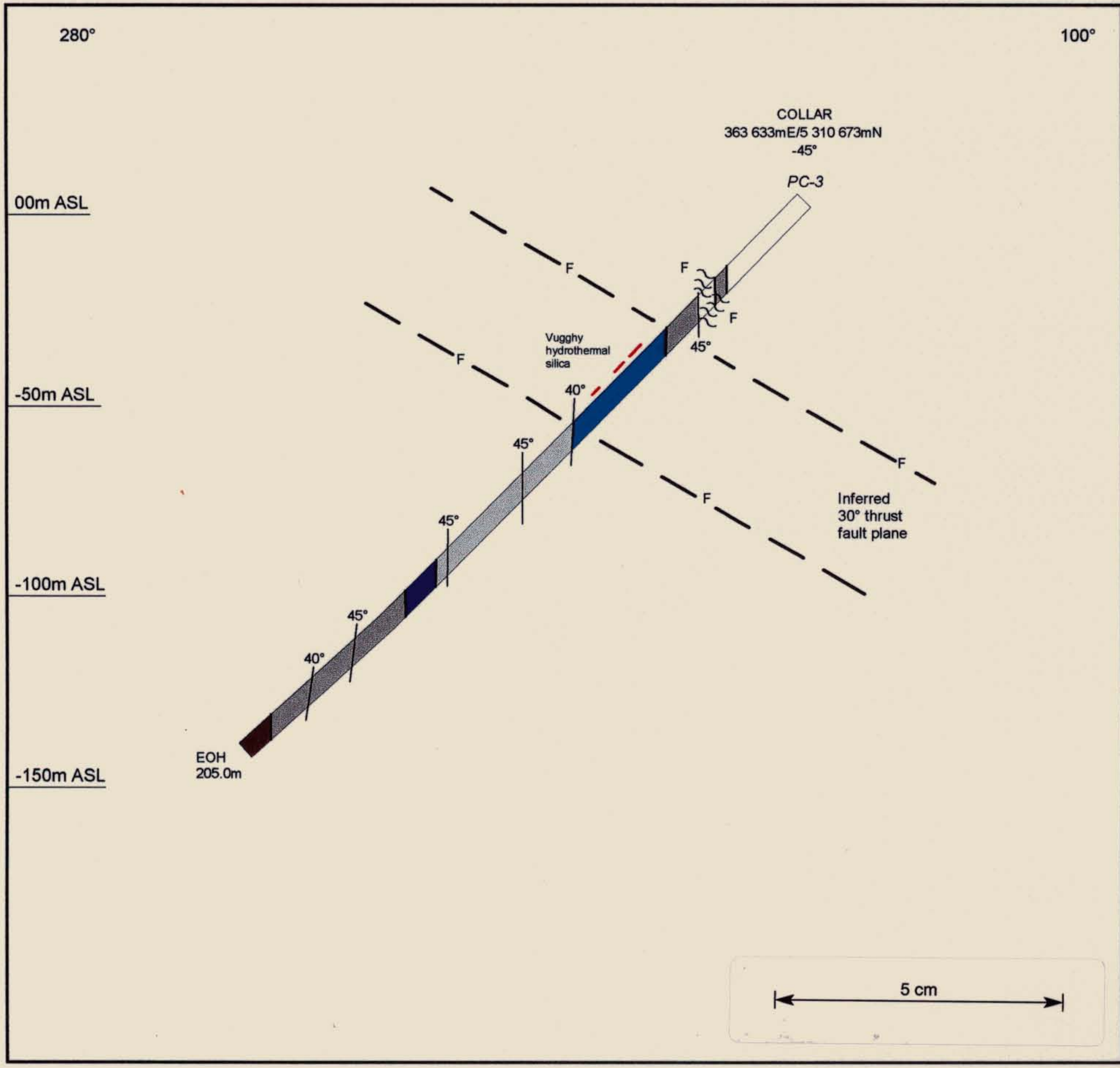
DDH PC-2

COMPILED : L.V.
DATE : 05/08/99
DRAWN : G.M.B.
OFFICE : Tasmania
FILE : PC-2 Section
DWG No. :

SCALE : 1:1500 — 0 10 30 m

Figure No. 16

614047



LEGEND

UNCONSOLIDATED CLAYS

METASEDIMENT
Dark grey and white, compositionally banded psammite/pelite. M.M. layering from 1mm to 10mm local schistose zones and quartz augens developed.

FAULT ZONE
Off white to mottled ferruginous clays with silicified sedimentary clasts.

BRECCIA
Fault breccia, variably textured, rapid changes from clast to matrix supported. Angular, poorly sorted clasts of local derivation (sandstones, siltstones, black shales). Vugghy, hydrothermal silica overprint. Evidence for fault plane reactivation.

ZONE OF SILICIFICATION
Progressive silica bleaching and decreasing colour index down the interval. Black shale protolith.

SHALE
Lithofacie A - laminated unit
Lithofacie B - intraclast breccia unit

SANDSTONE
Dark grey, fine grained, massive quartz rich metasandstone.

F Fault

40° Core bedding angles

614048

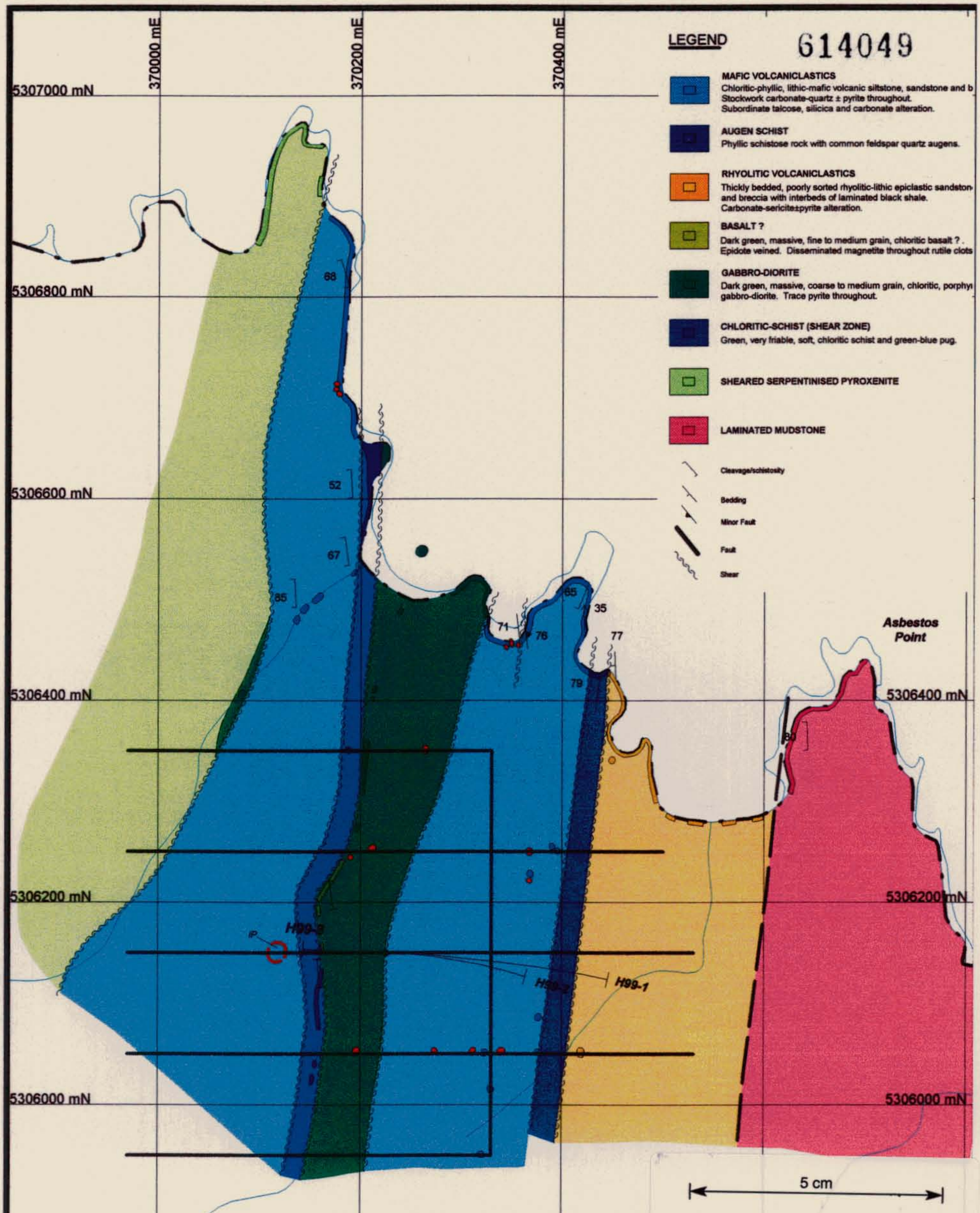
PACIFIC-NEVADA MINING PTY. LTD

EL 10/97 - CAPE SORELL
PELIAS COVE
CROSS SECTION 5 310 673mN
DDH PC-3

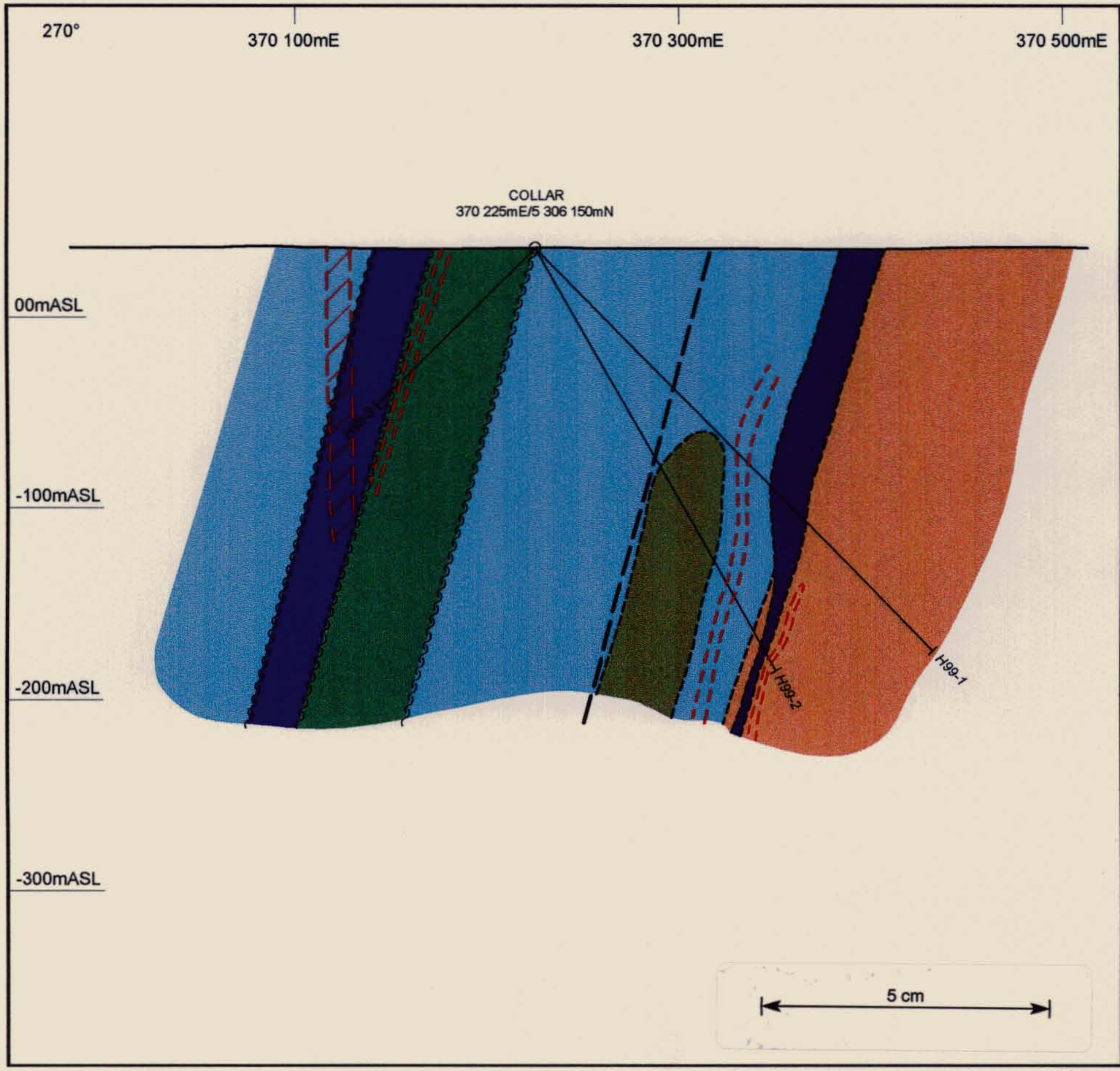
COMPILED : L.V.
DATE : 05/08/99
DRAWN : G.M.B.
OFFICE : Tasmania
FILE : PC-3 Section
DWG No. :

SCALE : 1:1500 0 10 30 m

Figure No. 17



LEGEND
614049
MAFIC VOLCANICLASTICS
Chloritic-phyllic, lithic-mafic volcanic siltstone, sandstone and b
Stockwork carbonate-quartz ± pyrite throughout.
Subordinate talcose, silicica and carbonate alteration.
AUGEN SCHIST
Phyllic schistose rock with common feldspar quartz augens.
RHYOLITIC VOLCANICLASTICS
Thickly bedded, poorly sorted rhyolitic-lithic epiclastic sandston
and breccia with interbeds of laminated black shale.
Carbonate-sericite±pyrite alteration.
BASALT ?
Dark green, massive, fine to medium grain, chloritic basalt ? .
Epidote veined. Disseminated magnetite throughout rutile clots
GABBRO-DIORITE
Dark green, massive, coarse to medium grain, chloritic, porphy
gabbro-diorite. Trace pyrite throughout.
CHLORITIC-SCHIST (SHEAR ZONE)
Green, very friable, soft, chloritic schist and green-blue pug.
SHEARED SERPENTINISED PYROXENITE
LAMINATED MUDSTONE
Cleavage/schistosity
Bedding
Minor Fault
Fault
Shear
370000 mE
370200 mE
370400 mE
5307000 mN
5306800 mN
5306600 mN
5306400 mN
5306200 mN
5306000 mN
5305800 mN
Asbestos Point
H99-3
H99-2
H99-1
IP
68
52
67
85
71
76
65
35
77
79
80
5 cm
PACIFIC - NEVADA MINING PTY. LTD.
PACIFIC-NEVADA MINING PTY. LTD.
EL 9/98 - CAPE SORELL
HILL 99
FACTUAL AND INTERPETED GEOLOGY
Compiled :
Date : 2/9/1999
Drawn : G.M.B.
Office: Tasmania
File : HILL99 Fact Interp _10.wor
Drawing No. :
Scale: 1:5000
0 25 50 100 m
Fig. No. : 18



LEGEND

MAFIC VOLCANICLASTICS
Chloritic-phyllic, lithic-mafic volcanic siltstone, sandstone and breccia.
Stockwork carbonate-quartz ± pyrite throughout. Subordinate talcose, silicica and carbonate alteration.

AUGEN SCHIST
Phyllic schistose rock with common feldspar and quartz augens.

RHYOLITIC VOLCANICLASTICS
Thickly bedded, poorly sorted rhyolitic-lithic epiclastic sandstone and breccia with interbeds of laminated black shale.
Carbonate-sericite±pyrite alteration.

BASALT ?
Dark green, massive, fine to medium grain, chloritic basalt ? .
Epidote veined. Disseminated magnetite throughout rutile clots.

GABBRO-DIORITE
Dark green, massive, coarse to medium grain, chloritic, porphyritic gabbro-diorite. Trace pyrite throughout.

CHLORITIC SCHIST (SHEAR ZONE)
Green, very friable, soft, chloritic schist and green-blue pug.

Intense fuchsite-carbonate alteration trace.

High phase/low resistivity IP anomaly.

Fault (Brittle).

Shear boundary.

PACIFIC-NEVADA MINING PTY. LTD

E.L. 09/98 - CAPE SORELL
HILL 99
INTERPRETATIVE
CROSS SECTION
5 306 150mN

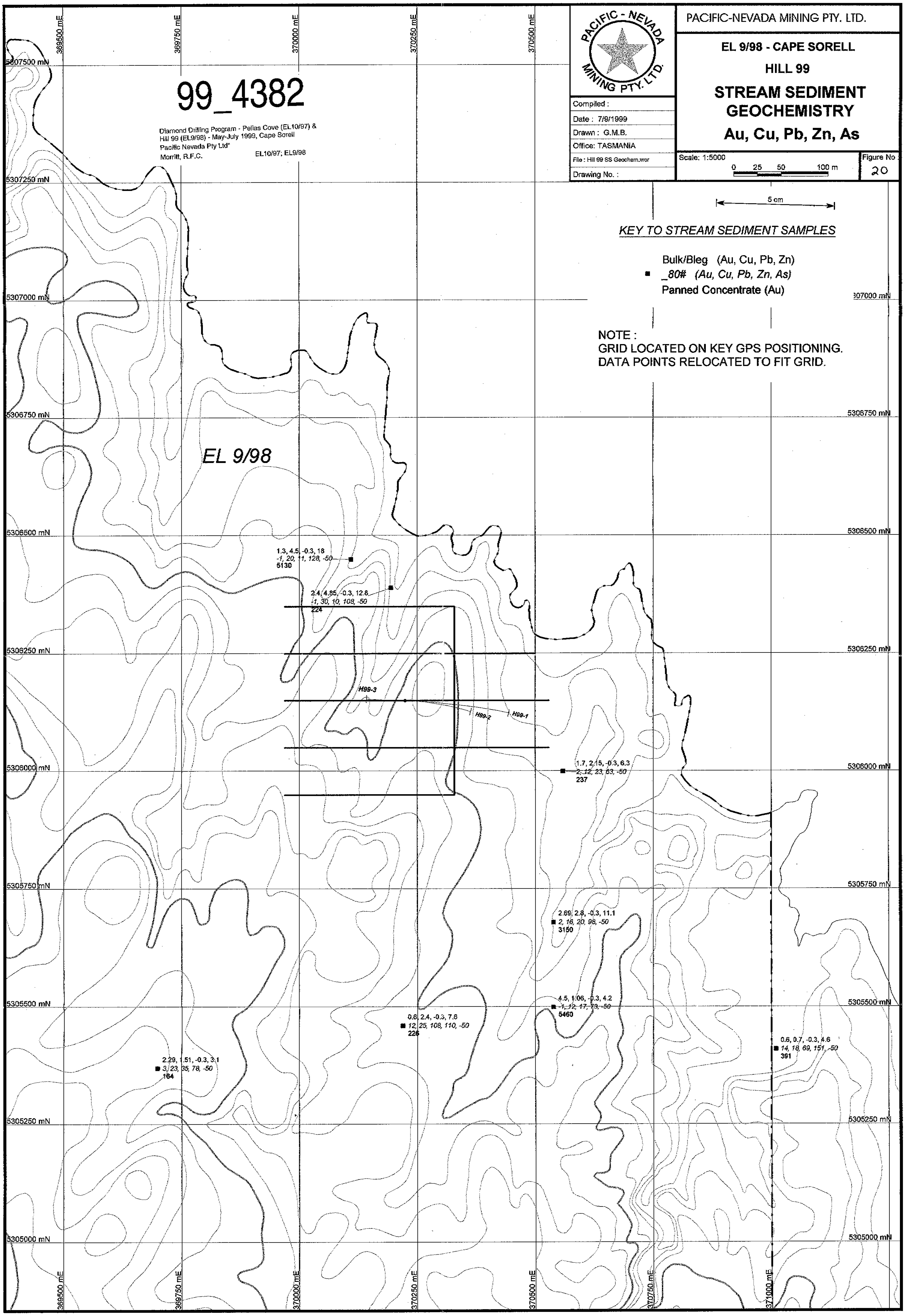
COMPILED : S.W.
DATE : 11/08/00
DRAWN : G.M.B.
OFFICE : Tasmania
FILE : H99 Interp Cross Section
DWG No. :

SCALE : 1:3000 0 20 60 m

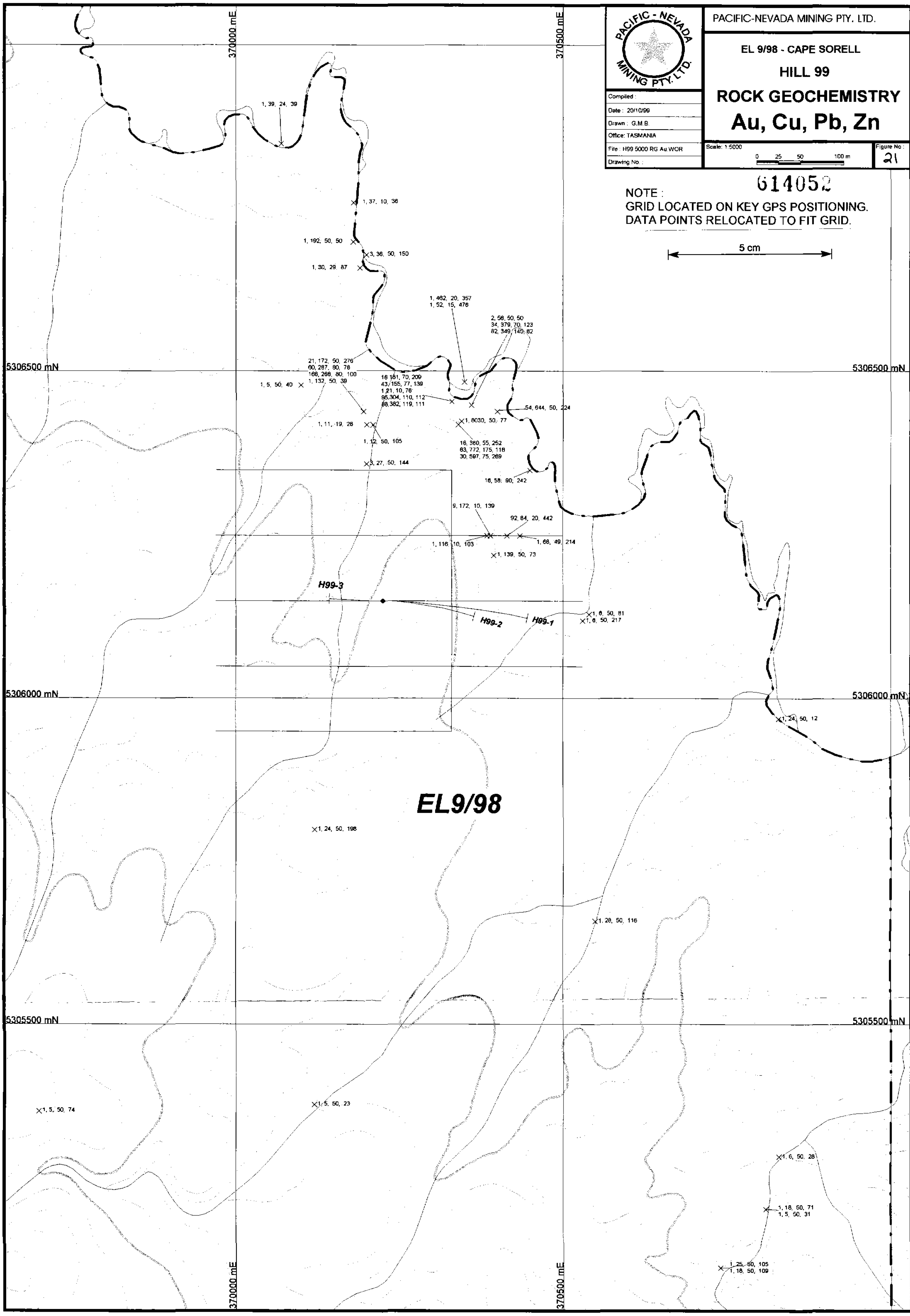
Figure No. 19

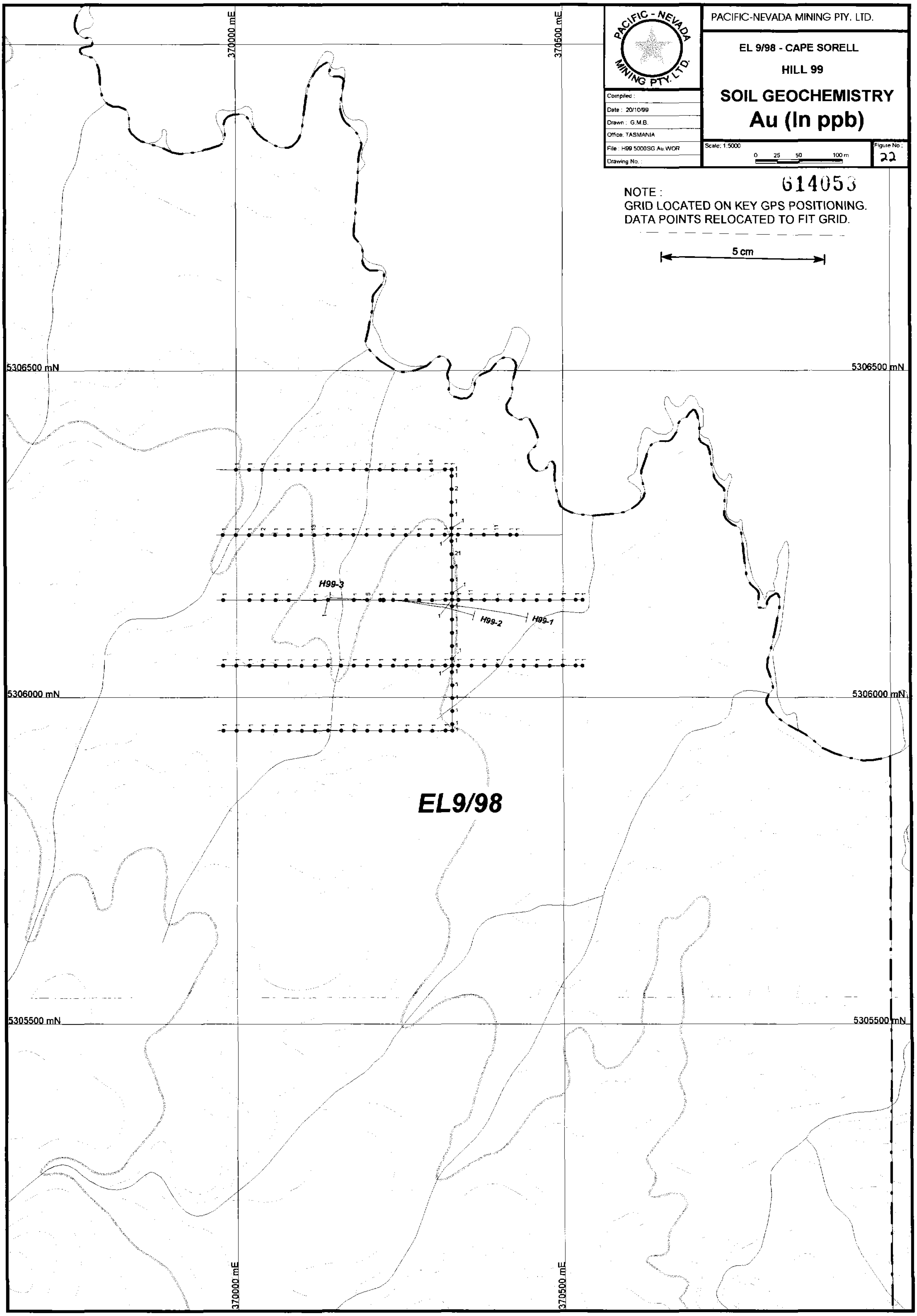
614050

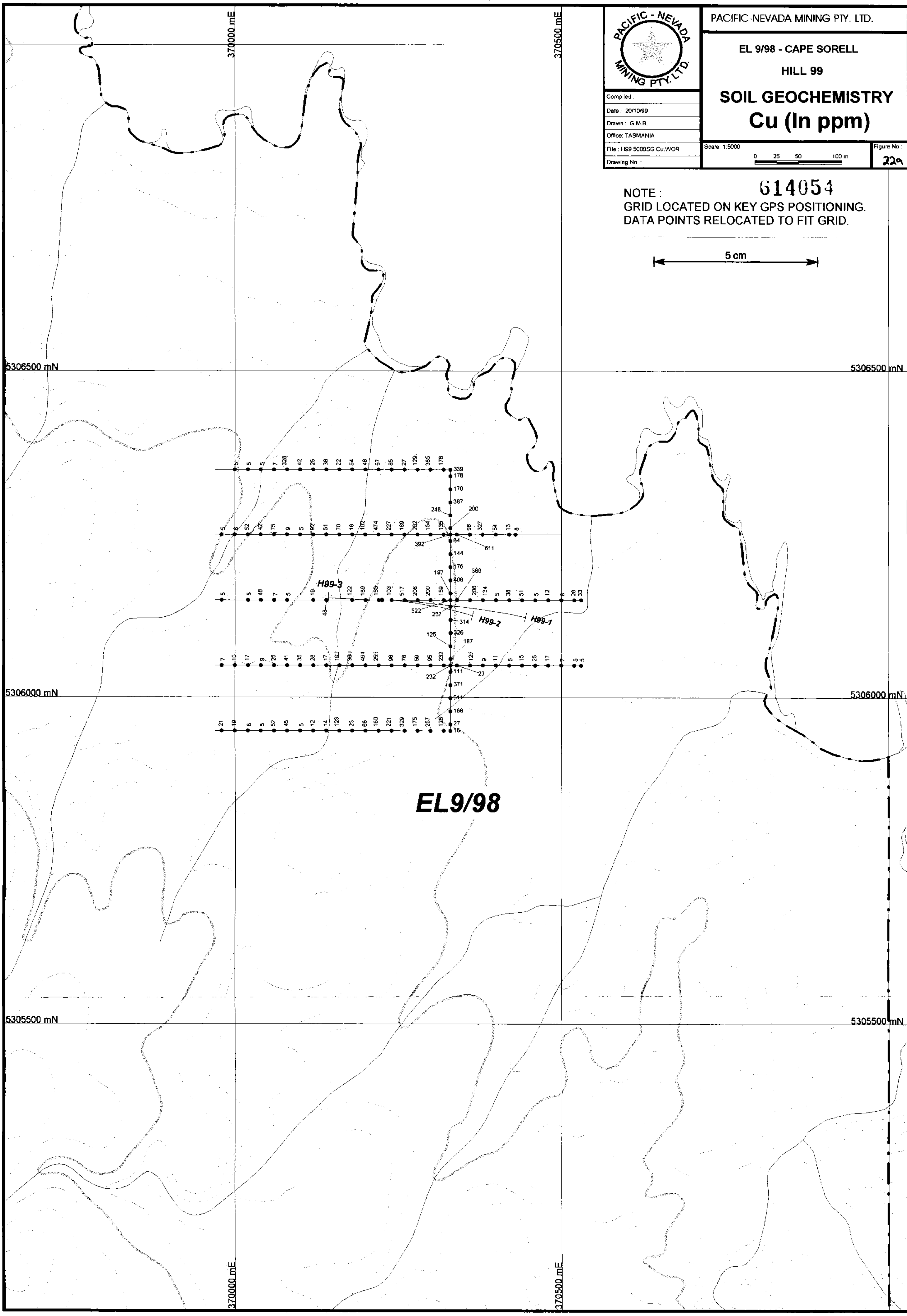
614051

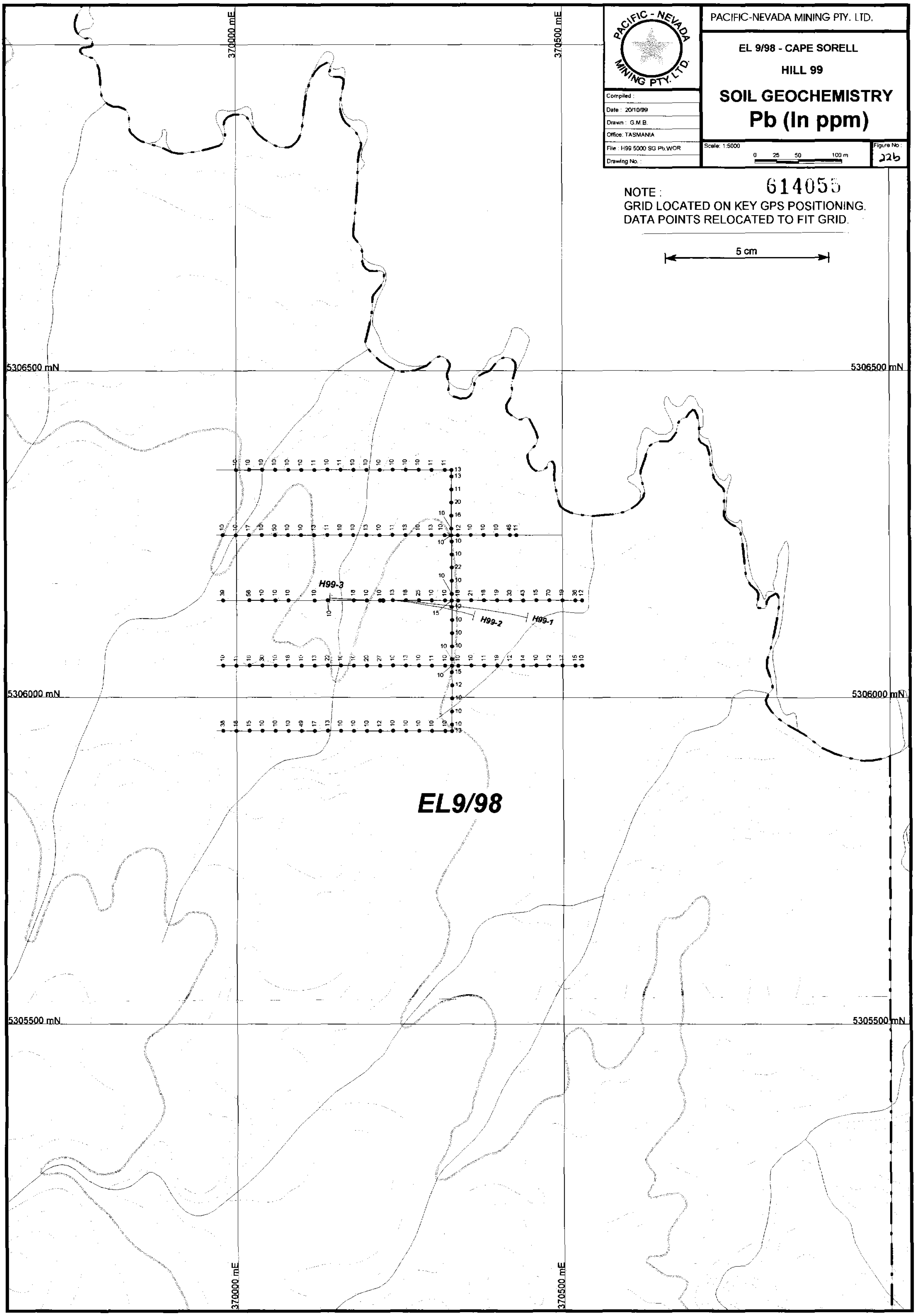


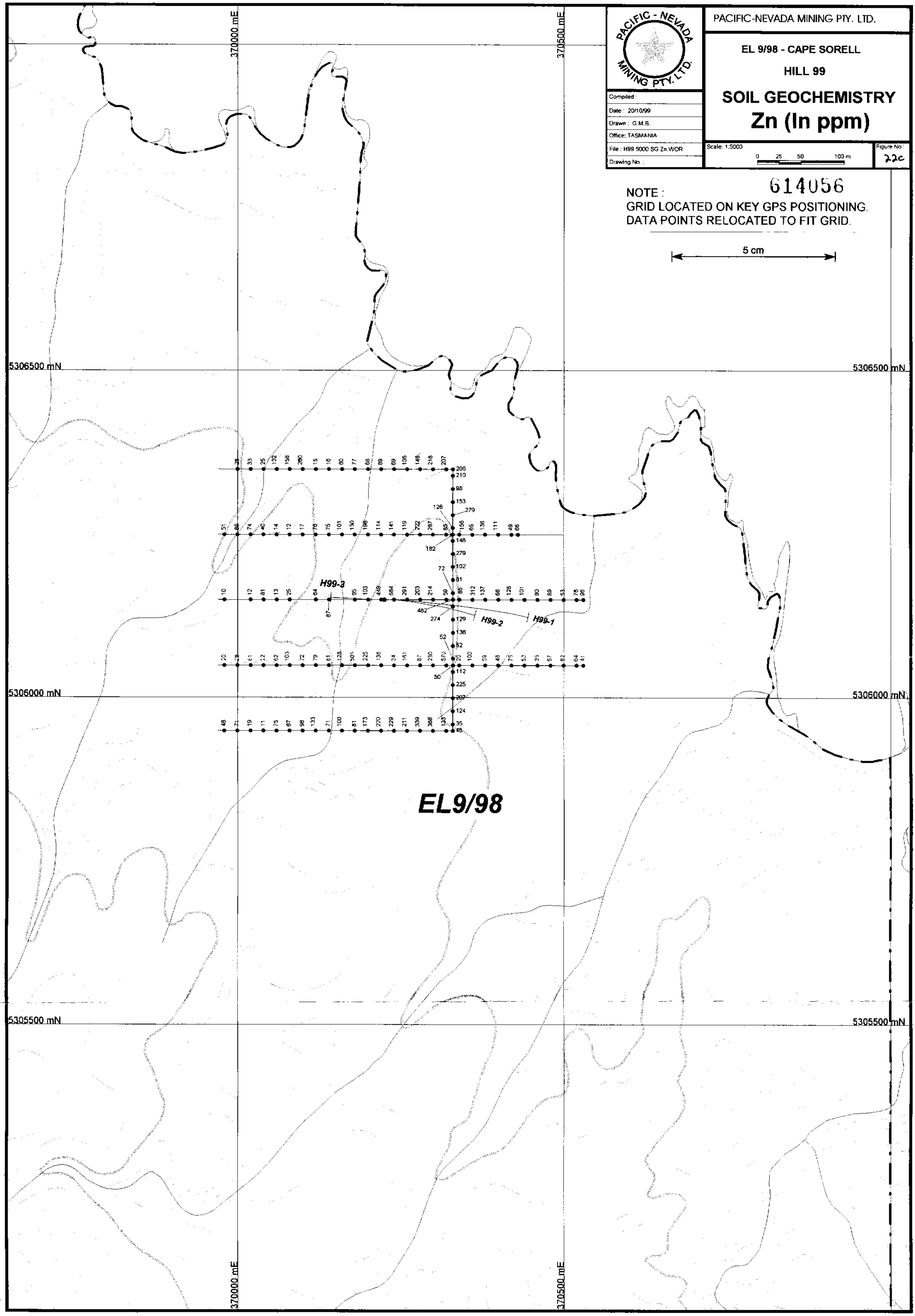
99_4382
Diamond Drilling Program - Pelias Cove (EL10/97) & Hill 99 (EL9/98) - May-July 1999, Cape Sorell
Pacific Nevada Pty Ltd*
Morritt, R.F.C.
EL10/97; EL9/98
PACIFIC - NEVADA MINING PTY. LTD.
Compiled :
Date : 7/9/1999
Drawn : G.M.B.
Office: TASMANIA
File : Hill 99 SS Geochem.wor
Drawing No. :
PACIFIC-NEVADA MINING PTY. LTD.
EL 9/98 - CAPE SORELL
HILL 99
STREAM SEDIMENT GEOCHEMISTRY
Au, Cu, Pb, Zn, As
Scale: 1:5000
0 25 50 100 m
Figure No
20
5 cm
KEY TO STREAM SEDIMENT SAMPLES
Bulk/Bleg (Au, Cu, Pb, Zn)
_80# (Au, Cu, Pb, Zn, As)
Panned Concentrate (Au)
NOTE :
GRID LOCATED ON KEY GPS POSITIONING.
DATA POINTS RELOCATED TO FIT GRID.
EL 9/98
369500 mE
369750 mE
370000 mE
370250 mE
370500 mE
370750 mE
371000 mE
5307500 mN
5307250 mN
5307000 mN
5306750 mN
5306500 mN
5306250 mN
5306000 mN
5305750 mN
5305500 mN
5305250 mN
5305000 mN
1.3, 4.5, -0.3, 18
-1, 20, 11, 128, -50
5130
2.4, 4.85, -0.3, 12.8
-1, 30, 10, 108, -50
224
H99-3
H99-2
H99-1
1.7, 2.15, -0.3, 6.3
2, 12, 23, 63, -50
237
2.69, 2.8, -0.3, 11.1
2, 16, 20, 98, -50
3150
4.5, 1.06, -0.3, 4.2
-1, 12, 17, 73, -50
5460
0.6, 2.4, -0.3, 7.6
12, 25, 108, 110, -50
226
0.6, 0.7, -0.3, 4.6
14, 18, 69, 151, -50
391
2.29, 1.51, -0.3, 3.1
3, 23, 35, 78, -50
164

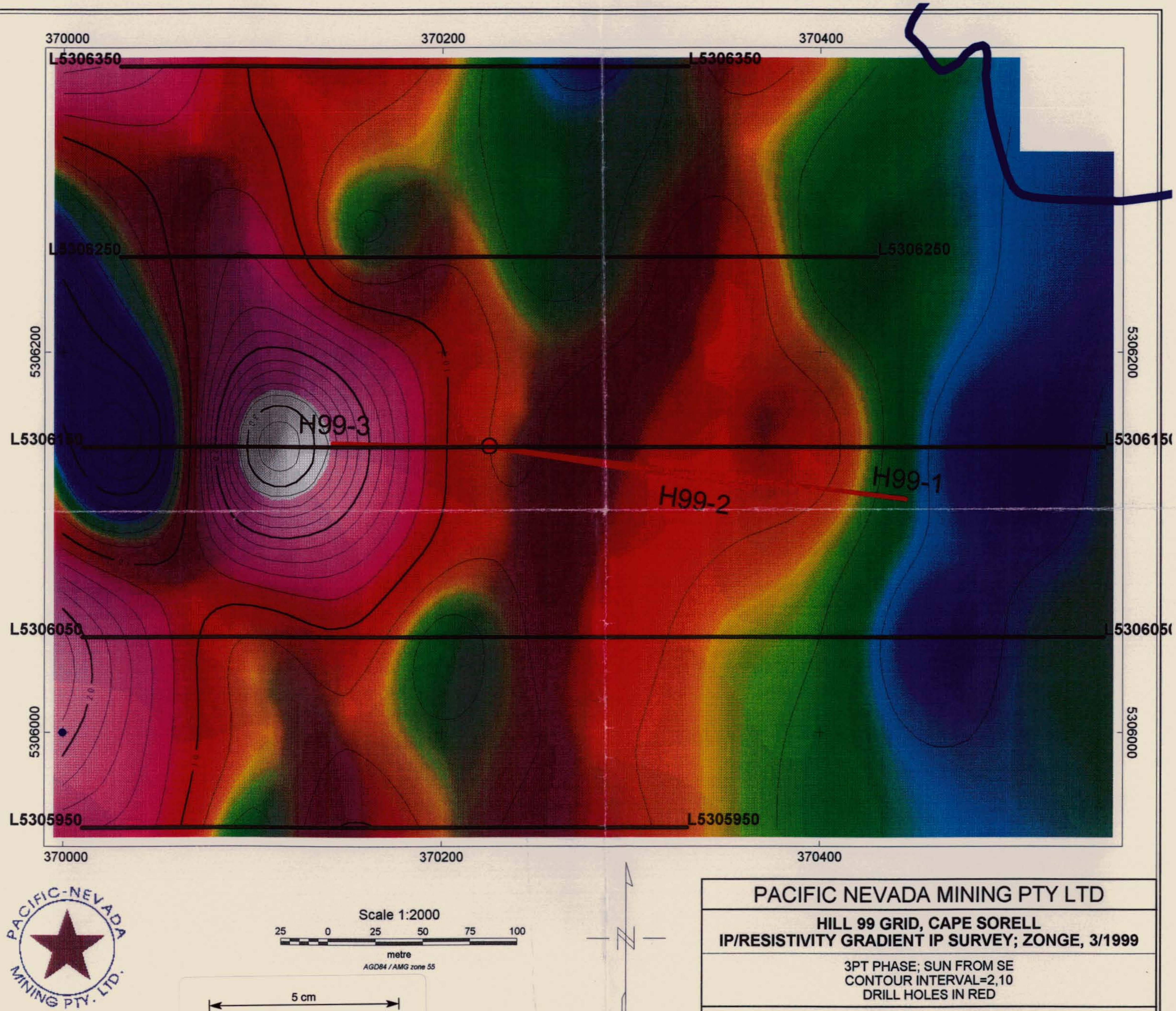

PACIFIC - NEVADA MINING PTY. LTD.
PACIFIC-NEVADA MINING PTY. LTD.
EL 9/98 - CAPE SORELL
HILL 99
ROCK GEOCHEMISTRY
Au, Cu, Pb, Zn
Compiled :
Date : 20/10/99
Drawn : G.M.B.
Office: TASMANIA
File : H99 5000 RG Au WOR
Drawing No. :
Scale: 1:5000
0 25 50 100 m
Figure No : 21
614052
NOTE :
GRID LOCATED ON KEY GPS POSITIONING.
DATA POINTS RELOCATED TO FIT GRID.
5 cm
370000 mE
370500 mE
5306500 mN
5306000 mN
5305500 mN
1, 39, 24, 39
1, 37, 10, 36
1, 192, 50, 50
3, 36, 50, 150
1, 30, 29, 87
1, 462, 20, 357
1, 52, 15, 476
2, 58, 50, 50
34, 379, 70, 123
82, 349, 145, 82
21, 172, 50, 276
60, 287, 80, 78
166, 268, 80, 100
1, 132, 50, 39
1, 5, 50, 40
16 181, 70, 209
43, 155, 77, 139
1, 21, 10, 76
95, 304, 110, 112
88, 382, 119, 111
54, 644, 50, 224
1, 8030, 50, 77
1, 11, -19, 28
1, 12, 50, 105
16, 380, 55, 252
63, 772, 175, 118
30, 597, 75, 269
3, 27, 50, 144
16, 58, 90, 242
9, 172, 10, 139
92, 84, 20, 442
1, 116, 10, 103
1, 68, 49, 214
1, 139, 50, 73
H99-3
H99-2
H99-1
1, 6, 50, 81
1, 6, 50, 217
1, 24, 50, 12
EL9/98
1, 24, 50, 198
1, 28, 50, 116
1, 5, 50, 74
1, 5, 50, 23
1, 6, 50, 28
1, 18, 50, 71
1, 5, 50, 31
1, 25, 50, 105
1, 16, 50, 109


PACIFIC - NEVADA MINING PTY. LTD.
PACIFIC-NEVADA MINING PTY. LTD.
EL 9/98 - CAPE SORELL
HILL 99
SOIL GEOCHEMISTRY
Au (In ppb)
Compiled :
Date : 20/10/99
Drawn : G.M.B.
Office: TASMANIA
File : H99 5000SG Au.WOR
Drawing No. :
Scale: 1:5000
0 25 50 100 m
Figure No :
22
614053
NOTE :
GRID LOCATED ON KEY GPS POSITIONING.
DATA POINTS RELOCATED TO FIT GRID.
5 cm
370000 mE
370500 mE
5306500 mN
5306000 mN
5305500 mN
H99-3
H99-2
H99-1
EL9/98


PACIFIC-NEVADA MINING PTY. LTD.
PACIFIC - NEVADA MINING PTY. LTD.
EL 9/98 - CAPE SORELL
HILL 99
SOIL GEOCHEMISTRY
Cu (In ppm)
Compiled :
Date : 20/10/99
Drawn : G.M.B.
Office: TASMANIA
File : H99 5000SG Cu.WOR
Drawing No. :
Scale: 1:5000
0 25 50 100 m
Figure No :
22a
614054
NOTE :
GRID LOCATED ON KEY GPS POSITIONING.
DATA POINTS RELOCATED TO FIT GRID.
5 cm
370000 mE
370500 mE
5306500 mN
5306000 mN
5305500 mN
H99-3
H99-2
H99-1
EL9/98


PACIFIC-NEVADA MINING PTY. LTD.
EL 9/98 - CAPE SORELL
HILL 99
SOIL GEOCHEMISTRY
Pb (In ppm)
PACIFIC - NEVADA MINING PTY. LTD.
Compiled :
Date : 20/10/99
Drawn : G.M.B.
Office: TASMANIA
File : H99 5000 SG Pb.WOR
Drawing No. :
Scale: 1:5000
0 25 50 100 m
Figure No :
22b
614055
NOTE :
GRID LOCATED ON KEY GPS POSITIONING.
DATA POINTS RELOCATED TO FIT GRID.
5 cm
370000 mE
370500 mE
5306500 mN
5306000 mN
5305500 mN
H99-3
H99-2
H99-1
EL9/98


PACIFIC-NEVADA MINING PTY. LTD.
PACIFIC - NEVADA MINING PTY. LTD.
EL 9/98 - CAPE SORELL
HILL 99
SOIL GEOCHEMISTRY
Zn (In ppm)
Compiled :
Date : 20/10/99
Drawn : G.M.B.
Office: TASMANIA
File : H99 5000 SG Zn.WOR
Drawing No. :
Scale: 1:5000
0 25 50 100 m
Figure No :
22c
614056
NOTE :
GRID LOCATED ON KEY GPS POSITIONING.
DATA POINTS RELOCATED TO FIT GRID.
5 cm
370000 mE
370500 mE
5306500 mN
5306000 mN
5305500 mN
H99-3
H99-2
H99-1
EL9/98



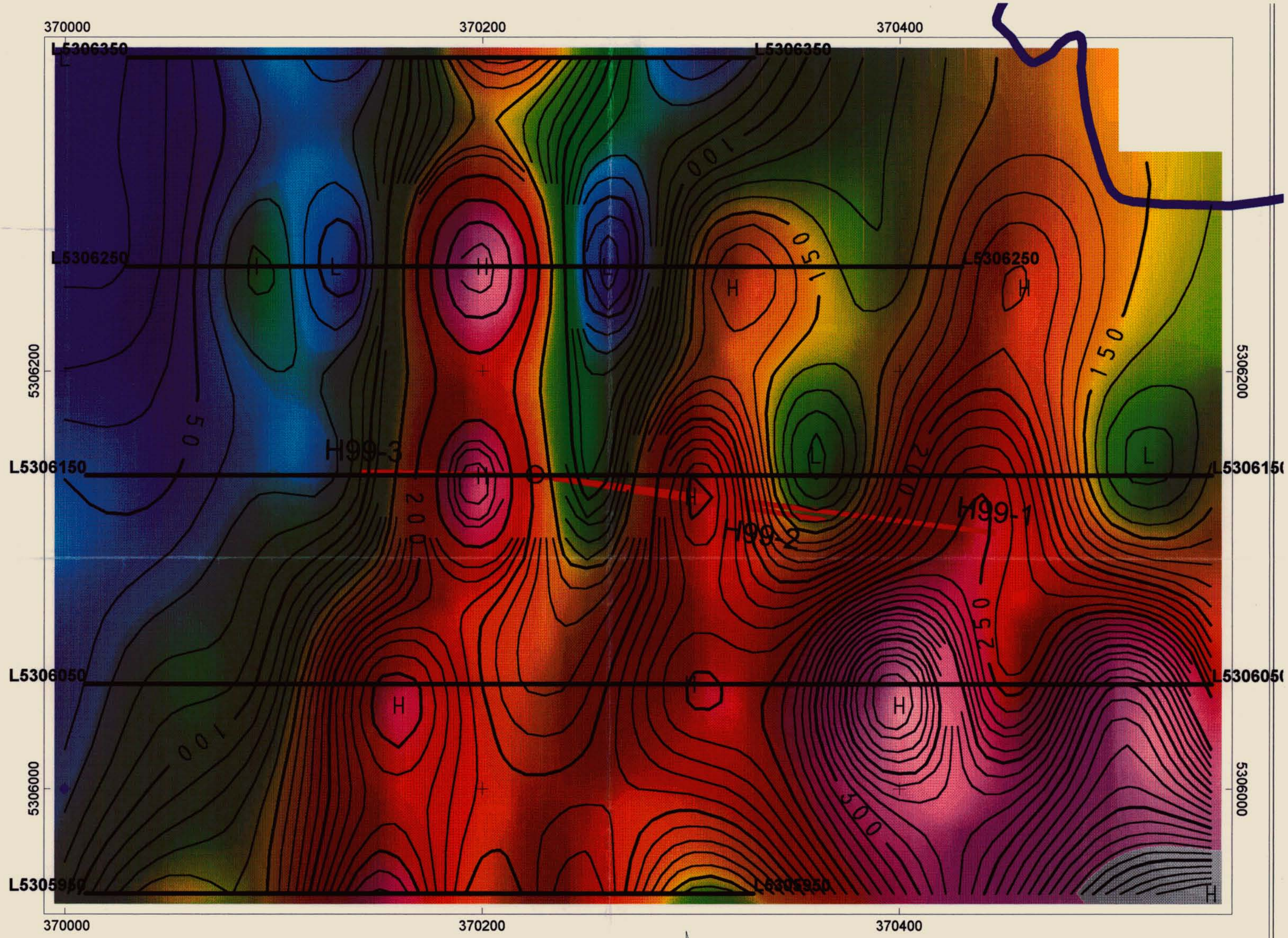
PACIFIC NEVADA MINING PTY LTD

HILL 99 GRID, CAPE SORELL
IP/RESISTIVITY GRADIENT IP SURVEY; ZONGE, 3/1999

3PT PHASE; SUN FROM SE
CONTOUR INTERVAL=2,10
DRILL HOLES IN RED

FLAGSTAFF GEOCONSULTANTS; NH,8/99

Fig23



Scale 1:2000

25 0 25 50 75 100

metre

AGD84 / AMG zone 55

5 cm

PACIFIC NEVADA MINING PTY LTD

HILL 99 GRID, CAPE SORELL
IP/RESISTIVITY GRADIENT IP SURVEY; ZONGE, 3/1999

APPARENT RESISTIVITY; SUN FROM SE
CONTOUR INTERVAL=10,50
DRILL HOLES IN RED

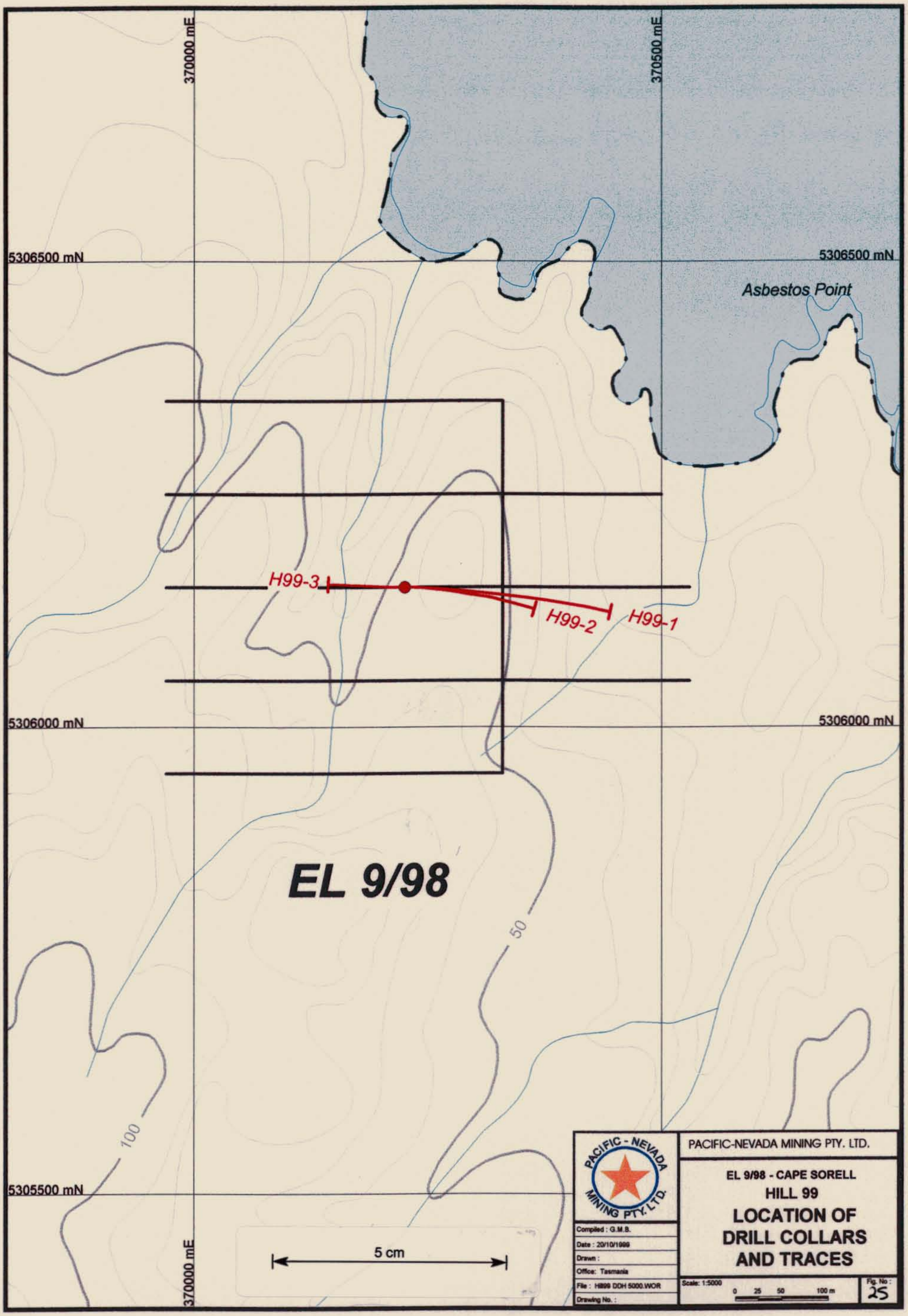
FLAGSTAFF GEOCONSULTANTS; NH,8/99

99_4382

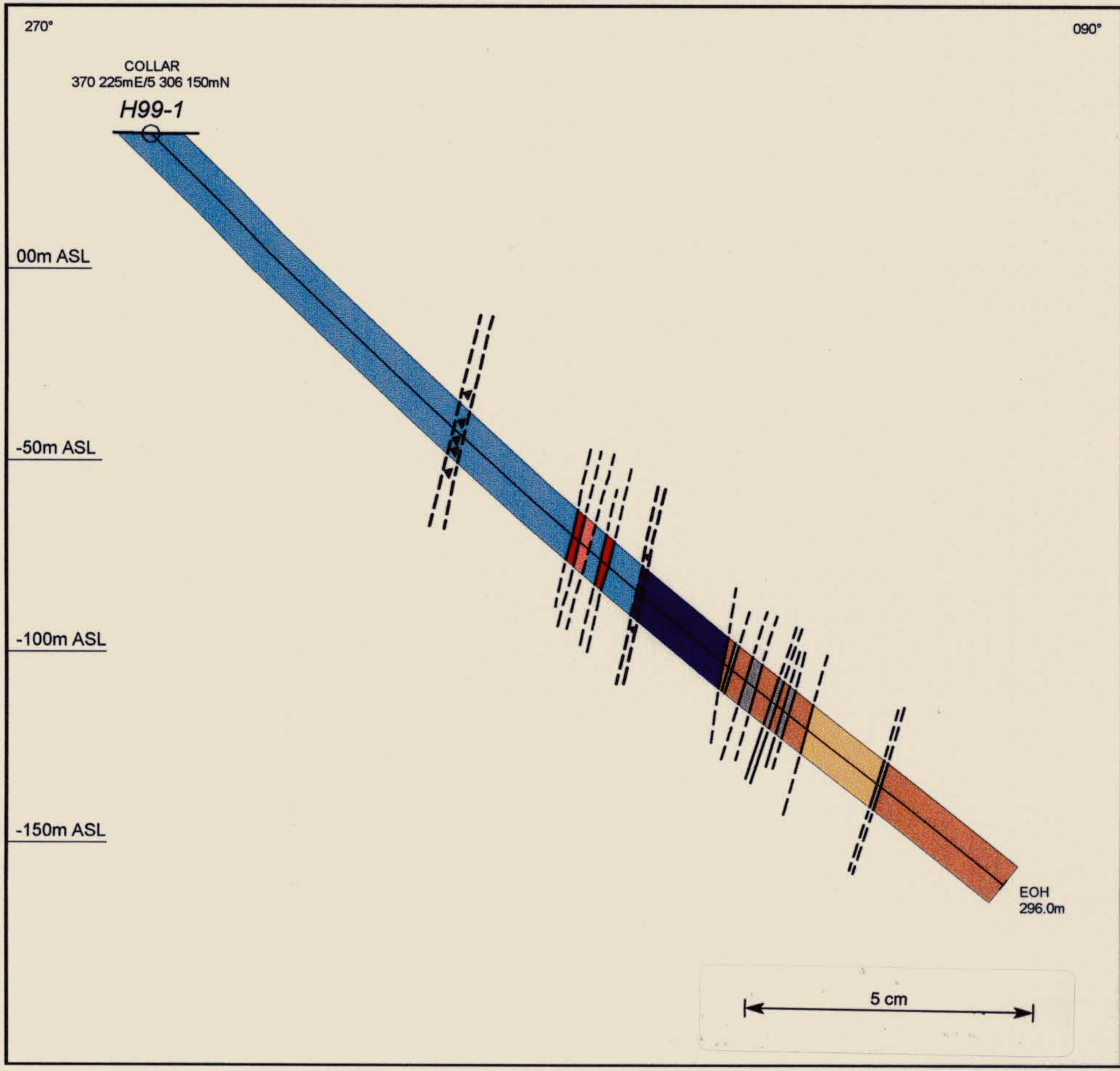
Diamond Drilling Program - Pelias Cove (EL10/97) & Hill 99 (EL9/98) - May-July 1999, Cape Sorell
Pacific Nevada Pty Ltd*
Morritt, R.F.C. EL10/97; EL9/98

614058

Fig 24


370000 mE
370500 mE
5306500 mN
5306500 mN
Asbestos Point
H99-3
H99-2
H99-1
5306000 mN
5306000 mN
EL 9/98
50
100
5305500 mN
370000 mE
5 cm
PACIFIC-NEVADA MINING PTY. LTD.
PACIFIC-NEVADA MINING PTY. LTD.
EL 9/98 - CAPE SORELL
HILL 99
LOCATION OF
DRILL COLLARS
AND TRACES
Compiled : G.M.B.
Date : 20/10/1999
Drawn :
Office: Tasmania
File : H899 DDH 5000.WOR
Drawing No. :
Scale: 1:5000
0 25 50 100 m
Fig. No : 25

614059



LEGEND

MAFIC VOLCANICLASTICS
Chloritic-phyllic, lithic-mafic volcanic siltstone, sandstone and breccia.
Stockwork carbonate-quartz ± pyrite throughout. Subordinate talcose, silicica and carbonate alteration.

AUGEN SCHIST
Phyllic schistose rock with common feldspar and quartz augens.

RHYOLITIC VOLCANICLASTIC BRECCIA
Thickly bedded, poorly sorted rhyolitic-lithic breccia. Carbonate-sericite-chlorite±pyrite alteration.

RHYOLITIC VOLCANICLASTIC SANDSTONE
Green volcanic lithicwacke/coarse sandstone to epiclastic breccia.
Carbonate-sericite-chlorite± pyrite alteration.

BLACK SHALE
Laminated carbonaceous black shale with fine pale grey-green sandstone interbeds. Trace diagenetic pyrite.

CARBONATE ALTERATION - MASSIVE.
Intense, pervasive carbonate (dolomite) ±pyrite-fuchsite alteration.
Subordinate siliceous zones.

FUCHSITE ALTERATION - MASSIVE.
Intense, pervasive fuchsite±pyrite carbonate alteration.

Fault

Geological contacts

PACIFIC-NEVADA MINING PTY. LTD

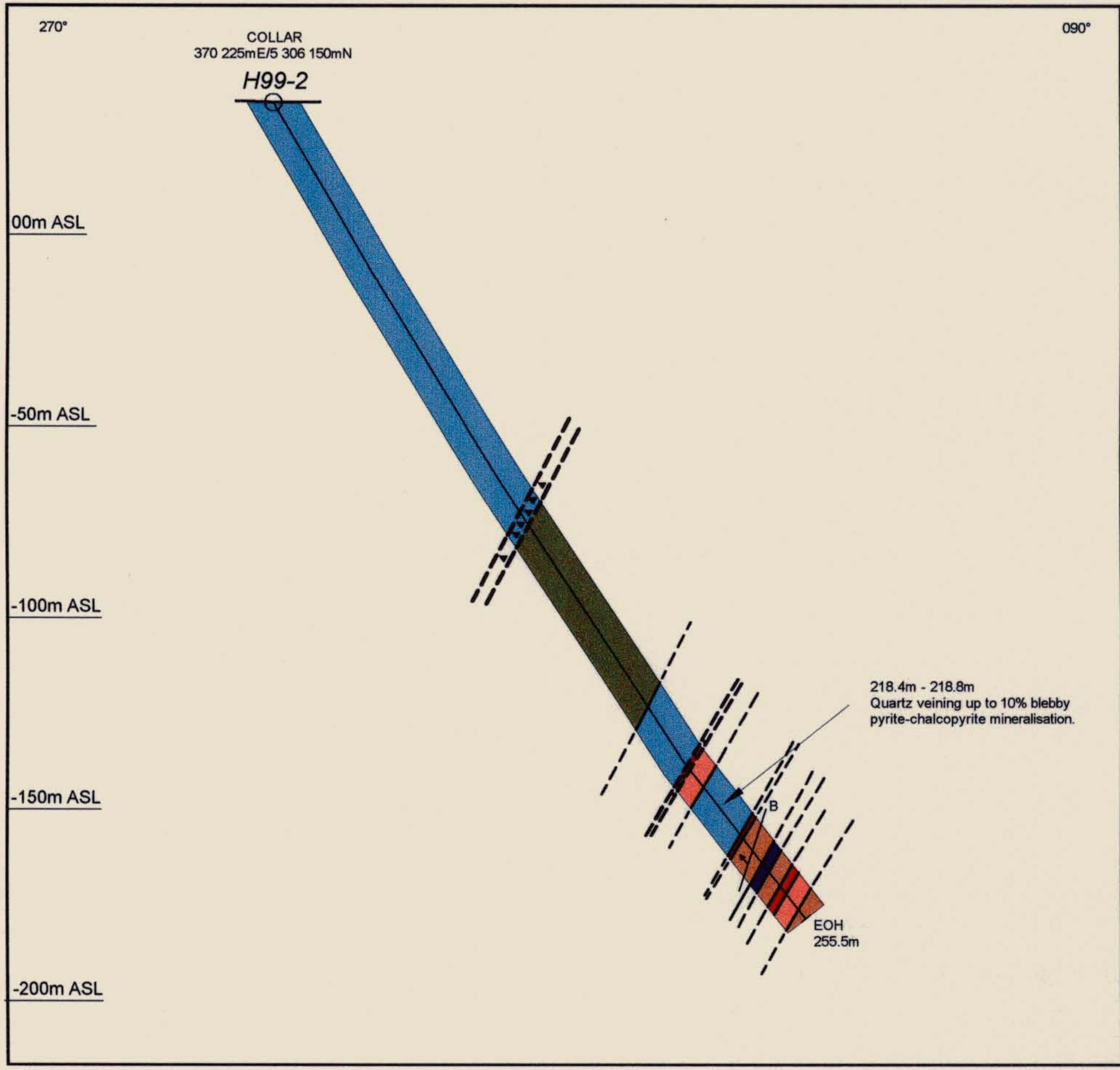
EL 10/97 - CAPE SORELL
HILL 99
CROSS SECTION 5 306 150mN
DDH H99-1

COMPILED : S.W.
DATE : 01/07/99
DRAWN : G.M.B.
OFFICE : Tasmania
FILE : H99-1 Section
DWG No. :

SCALE : 1:1500 0 10 30 m

Figure No. 26

614060



LEGEND

MAFIC VOLCANICLASTICS
Chloritic-phyllic, green to grey-green, thickly bedded, massive medium-coarse grain volcanic lithic-wacke and breccia stockwork carbonate-quartz veining.

AUGEN SCHIST
Moderately schistose medium-coarse grain volcanic lithic-wacke with feldspar and quartz eyes.

SILICEOUS HEMATITE
Siliceous hematite-magnetite±pyrite horizon. (BIF?)

RHYOLITIC VOLCANICLASTICS
Pale green volcanic-lithic laminated siltstone, sandstone and epiclastic breccia.

BASALTIC FLOW ?
Dark green, massive, fine to medium grain, chloritic rock.
Epidote veined and disseminated magnetite.
Spotty rutile alteration.

FUCHSITE - CARBONATE
Intense, pervasive fuchsite-carbonate (pink) ±pyrite alteration.

Fault

Geological contacts

5 cm

PACIFIC-NEVADA MINING PTY. LTD

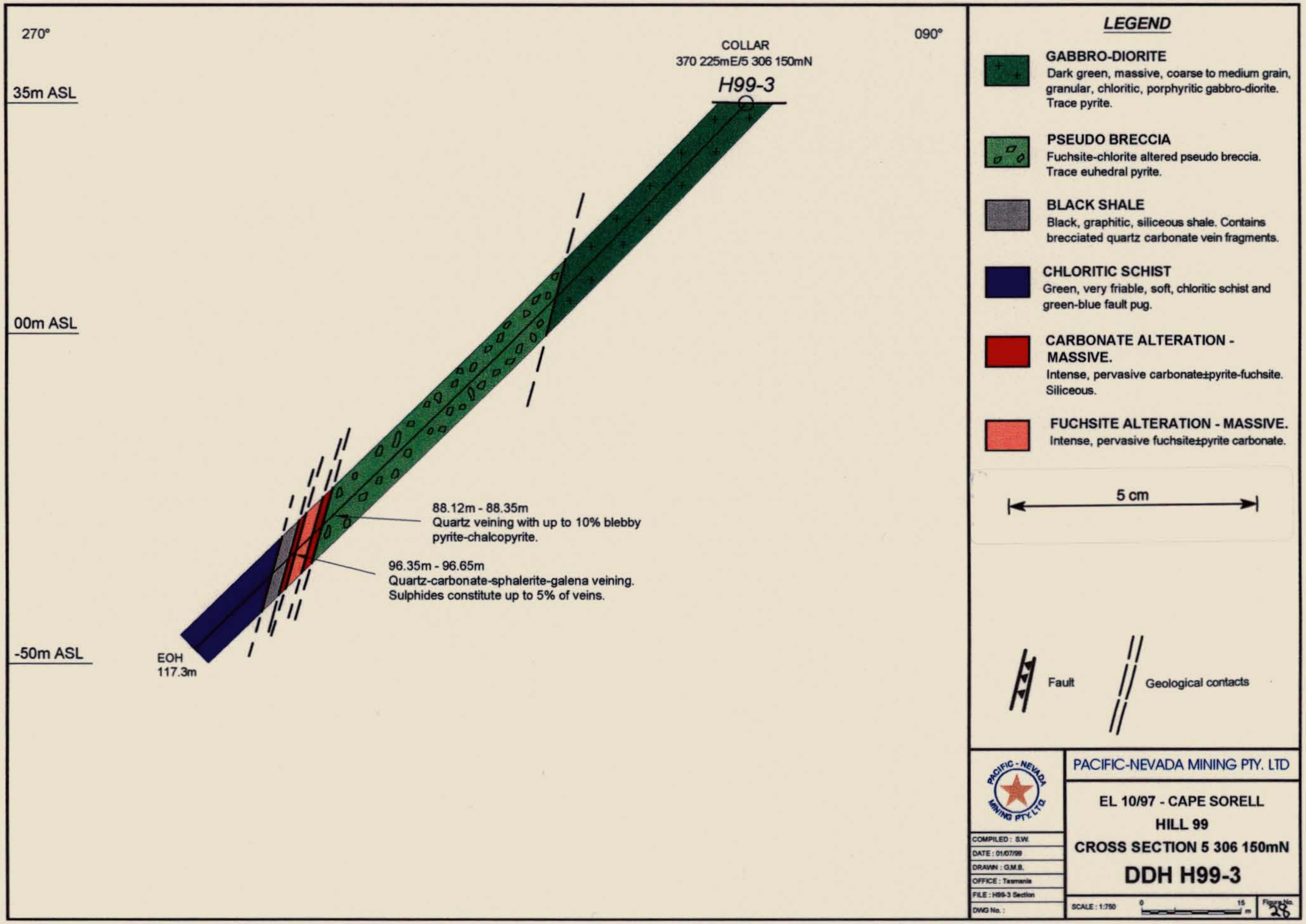
EL 10/97 - CAPE SORELL
HILL 99
CROSS SECTION 5 306 150mN
DDH H99-2

COMPILED : S.W.
DATE : 01/07/99
DRAWN : G.M.B.
OFFICE : Tasmania
FILE : H99-2 Section
DWG No. :

SCALE : 1:1500 0 10 30 m

Figure No. 27

614061


270°
090°
COLLAR
370 225mE/5 306 150mN
H99-3
35m ASL
00m ASL
-50m ASL
EOH
117.3m
88.12m - 88.35m
Quartz veining with up to 10% blebby pyrite-chalcopyrite.
96.35m - 96.65m
Quartz-carbonate-sphalerite-galena veining. Sulphides constitute up to 5% of veins.
LEGEND
GABBRO-DIORITE
Dark green, massive, coarse to medium grain, granular, chloritic, porphyritic gabbro-diorite. Trace pyrite.
PSEUDO BRECCIA
Fuchsite-chlorite altered pseudo breccia. Trace euhedral pyrite.
BLACK SHALE
Black, graphitic, siliceous shale. Contains brecciated quartz carbonate vein fragments.
CHLORITIC SCHIST
Green, very friable, soft, chloritic schist and green-blue fault pug.
CARBONATE ALTERATION - MASSIVE.
Intense, pervasive carbonate±pyrite-fuchsite. Siliceous.
FUCHSITE ALTERATION - MASSIVE.
Intense, pervasive fuchsite±pyrite carbonate.
5 cm
Fault
Geological contacts
PACIFIC-NEVADA MINING PTY. LTD
EL 10/97 - CAPE SORELL
HILL 99
CROSS SECTION 5 306 150mN
DDH H99-3
COMPILED : S.W.
DATE : 01/07/99
DRAWN : G.M.B.
OFFICE : Tasmania
FILE : H99-3 Section
DWG No. :
SCALE : 1:750
0
15
m
Figure No.
28

614062

PACIFIC-NEVADA MINING PTY LTD
and the
PACIFIC-NEVADA LIMITED PARTNERSHIP

PELIAS COVE (EL10/97) & HILL 99 (EL9/98) DIAMOND DRILLING PROGRAM MAY – JULY 1999 CAPE SORELL, TASMANIA

VOLUME 2

Dr Robin FC Morritt
With contributions from Sean Westbrook & Luke Vanzino

October 1999

NEVADA MINING PTY LTD

614064

Appendix 1

Drill Production Summaries

Drill Production summary to 1 August 1999
Pelias Cove Prospect

PC-1		
LF70 Diamond Drilling Tas		%
Commenced	9/05/99	
Completed	27/05/99	
Depth (m)	195	
Total days	19	
Rostered days off	2	
Bad weather - no boat access	1	5
Standby	0	
Rig breakdown days	1.5	8
Cement/polypipe days	1	5
Drilling days	12.5	
Reaming	0	
Mobilisation/Demobilisation	1	
Average meterage (m/day)	13.93	
Average meterage (all inclusive)	10.26	
Ground conditions		fair

PC-2		
LF70 Diamond Drilling Tas		%
Commenced	28/05/99	
Completed	19/06/99	
Depth (m)	361	
Total days	23	
Rostered days off	4	
Bad weather - no boat access	1	4
Standby	0	
Rig breakdown days	0	0
Cement/polypipe days	2	9
Drilling days	14	
Reaming	0	
Mobilisation/Demobilisation	2	
Average meterage (m/day)	25.79	
Average meterage (all inclusive)	15.70	
Ground conditions		fair

PC-3		
LF70 Diamond Drilling Tas		%
Commenced	20/06/99	
Completed	14/07/99	
Depth (m)	205	
Total days	25	
Rostered days off	5	
Bad weather - no boat access	3	12
Standby	0	
Rig breakdown days	1	4
Cement/polypipe days	2	8
Drilling days	12	
Reaming	0	
Mobilisation/Demobilisation	2	
Average meterage (m/day)	15.77	
Average meterage (all inclusive)	8.20	
Ground conditions		fair

Cummulative	%
761	
67	
11	
5	7
0	
2.5	4
5	7
38.5	
0	
5	
18.56	
11.36	

DDT Direct Charges AUS $107,613.31 Cost per meter AUS$141.41

Comments:

* Rod strings lost at both PC-1 and PC-2.
* Access to Cape Sorell by boat and/or helicopter. Winter drilling meant short daylight hours (0700-1700) and only one shift per day.
* Winter weather was not a significant problem.

Drill Production summary to 1 August 1999
Hill 99 Prospect

Hill 99-1		
DT500 - Diamond Drilling Tas		%
Commenced	12/05/99	
Completed	10/06/99	
Depth (m)	296	
Total days	30	
Rostered days off	3	
Bad weather - no boat access	1	3
Standby	0	
Rig breakdown days	6	20
Cement/polypipe days	2	7
Drilling days	18	
Reaming	0	
Mobilisation/Demobilisation	0	
Average meterage (m/day)	12.33	
Average meterage (all inclusive)	9.87	
Ground conditions		good

Hill 99-2		
DT500 - Diamond Drilling Tas		%
Commenced	12/06/99	
Completed	3/07/99	
Depth (m)	255.5	
Total days	22	
Rostered days off	3	
Bad weather - no boat access	2	9
Standby	0	
Rig breakdown days	4	18
Cement/polypipe days	2	9
Drilling days	11	
Reaming	0	
Mobilisation/Demobilisation	0	
Average meterage (m/day)	17.03	
Average meterage (all inclusive)	11.61	
Ground conditions		good

Hill 99-3		
DT500 - Diamond Drilling Tas		%
Commenced	4/07/99	
Completed	1/08/99	
Depth (m)	117.3	
Total days	29	
Rostered days off	4	
Bad weather - no boat access	5	17
Standby	0.5	
Rig breakdown days	6	21
Cement/polypipe days	2	7
Drilling days	9.5	
Reaming	1	
Mobilisation/Demobilisation	1	
Average meterage (m/day)	7.57	
Average meterage (all inclusive)	4.04	
Ground conditions		poor

Cummulative	%
668.8	
81	
10	
8	10
0.5	
16	20
6	7
39	
1	
1	
12.27	
8.26	

DDT Direct Charges AUS $81,384.95 Cost per meter AUS $121.68

Comments:

* Hill99-3 - Hole abandoned due to shear zone causing very difficult drilling conditions.
* DT500 - A new rig designed for helicopter use. Mechanical troubles plagued program. Even new water pump broke shafts!
* Access to Cape Sorell by boat and/or helicopter. Winter drilling meant short daylight hours (0700-1700) and only one shift per day.
* Winter weather was not a significant problem.

614066

614067

Appendix 2

Thin Section Report by Davidson (1999)

REPORT ON FOUR THIN SECTIONS FROM THE SORRELL PENINSULA

G.J. Davidson, 31/7/99

SAMPLE: ***GD1 (H99-1/155.4m)—***
Summary: Dolomite-pyrite-calcite-quartz vein complex

Hand-specimen **(quarter core, 20 cm long)**
A 20 cm long carbonate-pyrite vein complex exhibiting textures that are consistent with emplacement progressively during deformation. In detail the immediate wallrock on one side is reddened (hematitic?) massive feldspathic material transected by thin stylolite fill of fuchsite (apple green chrome mica), and on the other it is sheared grey wall rock containing cleaved fuchsite. The fuchsite is transected by deformed carbonate vein (stage 4 below). The interior of the vein network consists of (1) early finely banded white carbonate, transected by (2) white to grey diffuse carbonate containing angular wallrock fragments up to 2 cm long, in turn cut by (3) semi-massive pyrite±grey carbonate, in turn cut by (4) distinctly cross-cutting zoned irregular veins of white to brown carbonate ~0.5–2cm across. The polished thin section includes the sheared vein margin, minor fuchsite cleavage, and type 3 and 4 vein material.

Polished thin-section
The thin section is dominated by hydrothermal products with only a corner containing sheared hostrock. Disseminated red chrome spinels suggest that this section has a mafic to ultramafic precursor, and this observation also provides a source of Cr for observed fuchsite.

The foliated margin zone consists of ~50% deformed dolomite, 30% relict plagioclase, ~15% cleaved fuchsite, and accessory spinel and pyrite. The plagioclase consists of basically elongate domains surrounded by numerous small recrystallised patches, indicating that it developed in a strain-free environment; it is probably the precursor material, favouring a mafic dyke origin for the primary lithology. The evidence for subsequent carbonate alteration is the cross-cutting character of the carbonate with respect to plagioclase and minor quartz. Carbonate grains are typically sub-equant rhombs (av. ~150μm) elongate parallel to cleavage. At least 30 % of the carbonate developed as fine tensional veins orthogonal to the cleavage, and so must have developed during deformation. All fuchsite is deformed, defining the cleavage. It occurs as the main phase (+disseminated pyrite) in fine shears ~200μm across, but is also present as foliated 'beards' around carbonate crystals.

The wallrock is transected by type 4 carbonate veins (brown equigranular dolomite) which are themselves boudinaged, and infilled by calcite and quartz foliated parallel to the external foliation. The internal vein textures are variably recrystallised, suggesting that carbonate and pyrite veins developed progressively during deformation. The paragenetic interpretation outlined above is more complex in thin-section. There is evidence that white massive hydrothermal replacement dolomite was boudinaged, with zones of disseminated pyrite + calcite infilling the boudin necks. Subsequently 5–10 mm wide strings of massive pyrite were developed parallel to the shear direction, and these also were boudinaged, and infilled with calcite. Finally, anastomosing veins of white dolomite transect and irregularly replace previous fabrics, and display less deformation that previous assemblages.

These relationships are strong evidence that, while some pre-deformational carbonate-sericite alteration may have been present, much of the observed veining developed progressively with deformation, alternately filling veins parallel to the foliation, and tensional veins developed by incompetent behaviour of previous vein components.

Conclusion
Vein complex that developed in plagioclase-rich mafic parent rocks, progressively during local shearing.

SAMPLE: GD2—155.60m
SUMMARY: Secondary albite altered mafic precursor with dolomite and pyrite veining.

Hand-specimen **(quarter core, 6 cm long)**
A strong green foliated fuchsite schist is transected at a high angle by a dark sulfide? + carbonate vein/replacement zone, itself ductily deformed (ptygmatic carbonate veining, 2-5 mm wide), and finely cracked (transecting carbonate veins). The thin-section straddled the two domains.

Polished thin-section
A foliated to finely sheared mafic precursor (now represented by secondary plagioclase, chromite+ fuchsite), in which numerous fine individual shears combine to form a ductile fabric. The secondary feldspar is not aligned to the cleavage. It consists of dusty highly irregular 50μ domains meeting on interlocking boundaries, and containing numerous small carbonate inclusions. A mafic precursor, or equivalent epiclastic sediment, is required by the relict euhedral chromite crystals disseminated through the matrix.

The primary lithology is replaced by ~50% fine carbonate, and is cut by a prominent 2cm wide pleochroic brown dolomite vein zone. The very white patches in this zone are coarse interlocking dolomite, similar to type 4 carbonate in sample GD1. These are partly replaced by finer-grained dolomite, dark in h/s, and at the contact between the two, <3mm wide zones of py occur. The dolomite zones are both transected and offset by left lateral faults lined with pyrite, that represent reactivated surfaces extending from the external shear fabric. The fabric and the dolomite zone are 20–60° apart. Consequently it is clear that most of the pyrite in the rock was introduced during deformation.

Conclusion:
Mafic precursor, that experienced secondary albite formation prior to deformation, and carbonate-pyrite alteration and veining during deformation.

SAMPLE:GD3— 187.2m
SUMMARY: Nodular fabric with disseminated cpy mineralisation

Hand-specimen **(quarter core, 6 cm long)**
Lithology consists of 30% ovoid feldspar inclusions 2–15 mm long, in a foliated matrix of light green and dark grey patches, probably representing a pseudo-clasic fabric resulting from variable green mica alteration. Blebs of chalcopyrite (<1%)occur in the centres and on the edges of some feldspar ovoids.

Polished thin section
This lithology appears to be unusual. In general it consists of severe carbonate-chlorite alteration, overprinting a coarse nodular fabric. The nodules are 0.5–3 cm long, elongate defining a flattening plane, consisting in detail of coarse sheafs of radiating plagioclase, which has been partly polygonally recrystallised and dustily altered. 5% of these nodules consist of recrystallised quartz. These textures indicate that the original material in the nodules was replaced by secondary feldspar. One possibility is that the features originated as resorbed plagioclase phenocrysts in a densely phyric lava or dyke. A second possibility, on the basis of the coalesced character of some examples, is that they originated as anhydrite that was subsequently replaced. The matrix contains widespread secondary plagioclase, and disseminated chromite, and hence is a similar mafic lithology to GD1 and GD2.

The nodules are overprinted by carbonate alteration, which is in places massive, and forms 70% of the slide. Carbonate also pseudomorphs an acicular phase (forming interlocking patterns), probably amphibole needles ~100–200μm long, and here it is intergrown with a very low birefringent non-pleochroic (Mg-rich) chlorite; both overprint secondary plagioclase. Carbonate also occurs as cross-cutting veins. Much of the shearing post-dates chlorite-carbonate alteration, which differs to observations made in GD1 and GD2.

Most of the cpy mineralisation occurs where feldspar clots failed brittly during cleavage deformation. Cpy overgrows pyrite cubes. It is also strongly associated with new quartz replacement of the feldspar, forming vein/replacement zones at a high angle to the shear fabric. Pyrite occurs also on fault surfaces and in crack arrays. This strongly suggests that brittle ductile-processes have, on the scale of the thin section, localised chalcopyrite and pyrite development.

Conclusion:
It is likely that much of the carbonate and the chalcopyrite developed preferentially at the expense of the feldspar during brittle-ductile extension associated with shearing of a feldspar-bearing mafic precursor. This observation suggests that sites of brittle-ductile failure, probably at a high angle to the foliation, are prospective for Cu-mineralisation at different scales.

SAMPLE: GD4— H99-1 (222.15m)
SUMMARY: Lithic clast-bearing carbonate-sericite altered crystal-rich sandstone, with prominent zones of pseudoclastic carbonate-matrix breccia.

Hand-specimen **(quarter core, 15 cm long)**
Rock consists of 5 cm of grey fine-grained sub-massive material with disseminated 2–3 mm long altered feldspar phenocrysts, in sharp contact with a breccia. The breccia has a

light grey silicic matrix, and contains clasts of (1) similar, numerous, 2mm–20 mm diameter, angular to concave, fine-grained felsic volcanic; and (2) several larger clasts of exotic, yellow fine-grained silicic altered siltstone or fine-grained altered felsic volcanic. The textural relations in handspecimen resemble features of peperite, or lithic volcaniclastic breccia. Fine disseminated pyrite and minor carbonate veining occurs in the breccia zone.

Polished thin section

The thin section included part of the breccia, in particular, both yellow and grey silicic clasts were sectioned. Most of the section contains confusing gradational textures which suggest a composite origin. The most useful guide to origin is the abundance of quartz in different domains, which provides evidence for an epiclastic origin for the central zone, a volcanic origin for the yellow clasts, and probably a sodic volcanic or crystal-rich sandstone origin for the zone containing the grey clasts. These will each be treated separately for clarity.

Yellow clasts: Yellow clasts consist of severely altered quartz-feldspar rhyolite or porphyry, in which most feldspar is preserved only as vague shapes within the altered matrix. The quartz phenocrysts, up to 700 μm across, are not abundant, but are strongly resorbed, and contain altered and cracked melt inclusions. Two cross-cutting cleavages are evident, with one weakly crenulating the other. Clasts are yellow because of very strong sericite alteration without carbonate.

Central zone: The yellow clasts occur within and adjacent to a domain of strongly foliated sediment containing common quartz ovoids and fragments. These do not exhibit obvious resorbtion. This zone is characterised by strong undulating pressure solution, common lensoidal domains surrounded by more intensely cleaved matrix, and strong pressure shadows around pyrite. Two interfering cleavages were observed. Variation in abundance and size of relict quartz grains, as well as the presence of the yellow clasts, is evidence for a sedimentary origin for this material. No chrome spinel was observed. The lensoidal domains consist of recrystallised plagioclase grains, which, from the random grain orientations and tabular crystal character, may have developed either as crystal rich sand, or a fine-grained sodic intrusive. Strain has been taken up by abundant sericite alteration, which has partly altered the plagioclase, giving rise to a pseudoclastic fabric mixed with a genuine clastic fabric defined by the yellow clasts. Disseminated pyrite clumps ~250μm across appear to have formed as thin veinlets that have been strongly boudinaged and folded in the sericite zones.

Grey clast breccia zone: The grey clast breccia is entirely a pseudobreccia, with "fragments"—enclaves— of plagioclase rich crystal-rich sandstone/sodic intrusive in a matrix of medium-grained hydrothermal dolomite with minor sericite. Sericite also occurs on grain boundaries in the enclaves. Minor disseminated pyrite is confined to the dolomite matrix. This breccia cannot be attributed to primary volcanic processes.

Conclusion

The original lithology included large clasts of glassy rhyolite in a crystal rich sand(?) now dominated by plagioclase. The sandstone matrix is strongly carbonate-sericite±pyrite altered, giving rise to a prominent pseudoclastic fabric. Cleavage is sub-parallel to fine shears focussed around clast margins. Alteration is pervasive, and also mainly predates deformation, evidenced by recrystallisation, relationship of carbonate to pressure solution along shear planes, and intense pressure shadowing of pyrite grains.Unlike the other slides evidence of profound syn-deformational veining could not be found. This alteration and felsic lithology is strongly similar to some west coast mineral deposits, including carbonate alteration at Henty, and the proximal carbonate-rich rhyolitic footwall zones of some Cambrian massive sulfide, including Rosebery and Hercules. The primary lithology appears to be rhyolitic, in stark contrast to the chrome-spinel bearing lithologies in the other slides.

Appendix 3

Geological Logs for PC-1, PC-2 and PC-3

DRILL LOG COVER SHEET

Project: Cape Sorell **Exploration Licence:** EL10/97

Prospect: Pelias Cove **Hole Number:** PC-1

Co-ordinates: **E** 363515 **N**5309972 **Logged by:** Luke Vanzino

RL Collar: 60mASL

Azimuth: 277m/290g

Inclination: -45deg

Depth: 193.5m

Hole Size:

	FROM	TO
HQ	0m	193.5m
NQ		

Commenced: 09 May 1999

Completed: 26 May 1999

Drillers: DDT - Jamie Kaye

Drill Type: LF70

Comments: SUMMARY: This hole was designed to test a high phase/ chargeability and low resistivity target @ -150metres to -200metres. The drill rods snapped on the 26th May @ 195m depth with the break point @ 114m and a loss of 81m of rods down the hole.

The decision to abandon the hole was made as the chargeability anomaly had been adequately tested. (Clay intervals both inferred and observed from core loss zones??) NB No core orientation surveys were successfully completed. The CBA's are inferred to be dipping west @ moderate to steep angles from coastal outcrops.

GEOLOGICAL LOG

Project:	**Cape Sorell**	**Exploration Licence:**	**EL10/97**
Prospect:	**Pelias Cove**	**Hole Number:**	**PC-1**
Logged By:	**Luke Vanzino**		

DEPTH (m)	RECOVERY			CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
	From	To	%				
0	0	4.5	87	**0-27.45m:** SILTSTONE. Very fine sand to siltstone size, 1/8 to <1/16mm. Generally massive, minor finely laminated horizons. Pale grey in colour. Liesagang rings in upper section.		0	
1						0	
2						0	
3						4	
4						0	30cm of Fondu casing cement
5	4.5	7.5	90			0	
6						0	
7						0	
8						0	
9						0	
10	7.5	10.5	55			0	1m zone of lost core
11	10.5	12.5	82			0	
12						0	
13					CVA 0deg	0	
14	12.5	14.5	95			0	
15	14.5	15.8	100			0	
16	15.8	17.5	82			0	
17	17.5	19.3	100		CBA 60deg	0	
18						0	
19	19.3	20.3	75			0	Inferred fault - angular clasts in mud matrix - 0.3m
20	20.3	22.5	68			1	Inferred fault - angular clasts in mud matrix - 0.4m
21						2	
22						0	
23						0	
24	22.5	25.5	95			0	
25	25.5	28.1	100			0	
26						0	

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	To	%	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
27				**27.45-30.3m:** SILTSTONE. Massive, mid to dark grey in colour, indurated bleached appearance suggests silicic alteration.		0	
28						0	
29	28.1	30.3	100			0	
30	30.3	32.0	79		CVA 0deg	0	
31				**30.3-34.20m:** FAULT ZONE. Within pale grey siltstone unit. Siltstone clasts in ochre clay matrix.		1	
32						0	
33						0	
34	32.0	34.2	63	**34.20-42.30m:** SILTSTONE. Massive, mid grey to dark grey with localised bleaching.		0	0.5m zone of core loss
35	34.2	37.0	76			0	
36						0	
37						0	
38						0	
39	37.0	40.5	97			0	
40	40.5	43.5	100			0	
41						0	
42				**42.30-55.0m:** SILTSTONE. Laminated unit, pale grey with red brown bands of haematitic siltstone < lam @ 42.30-44.00.		0	
43					CBA 55deg	0	
44						0	
45	43.5	46.5	100			0	
46						0	
47	46.5	48.4	100	Haematitic bands associated with black carbonaceaus?? Lamellae.		0	
48	48.4	49.4	90		CBA 50deg	0	
49	49.4	50.4	100			0	
50	50.4	52.5	97			0	
51	52.5	53.1	100			0	Hole orientation - Dip 44deg Azimuth 280deg mag
52	53.1	55.2	83.3			0	
53					CBA 55deg	0	

GEOLOGICAL LOG

DEPTH (m)	RECOVERY			CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
	From	To	%				
54						0	
55	55.2	57.0	100	**55.0-57.85m:** SILTSTONE. Massive pale grey unit @ 56.0-56.1 minor laminations.		0	
56	57.0	58.5	30			0	Inferred fault - angular clasts in mud matrix - 0.70
57	58.5	61.1	96	**57.85-93.30m:** SILTSTONE. Laminated pale grey unit.		0	
58						0	
59					CBA 70deg	0	0.8m zone of lost core
60	61.1	62.4	77			0	
61	62.4	63.8	100			0	
62						0	
63					CBA 65deg	0	Inferred fault - clay zone - 0.25m.
64						0	Ferruginous, oxidised zone with in situ laminae visible. Oxidation along fault?? 1.4m wide.
65	63.8	66.6	57			0	
66	66.6	67.5	100		CBA 66deg	0	
67	67.5	68.6	100			0	
68						0	
69	38.6	70.4	55			0	
70	70.4	71.3	100			0	Ferruginous, oxidised zone with in situ laminae visible. Oxidation along fault?? 0.5m wide.
71	71.3	73.5	95			0	
72	73.5	74.6	100			0	
73						0	Ferruginous, oxidised zone with in situ laminae visible. Oxidation along fault?? 0.35m wide.
74	74.6	76.5	100		CBA 55deg	0	Ferruginous, oxidised zone with in situ laminae visible. Oxidation along fault?? 0.30m wide.
75	76.5	78.3	100			0	
76						0	
77						0	
78						0	

614077

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
79	78.3	79.9	100			0	
80	79.9	81.0	91			0	
81	81.0	82.7	100			0	
82	82.7	83.6	100			0	
83						0	
84	83.6	85.3	100			0	
85	85.3	87.4	100			0	
86	87.4	89.3	100			0	
87					CBA 65deg	0	
88						0	
89	89.3	91.5	100			0	
90	91.5	94.5	100			0	Ferruginous, oxidised zone, poorly consolidated, liesagang rings 4m in width.
91						8	
92						2	
93				**93.30-98.0m:** SILTSTONE. Massive, pale to mid grey unit.		7	
94	94.5	97.0	100			2	
95						0	
96						0	
97	97.0	99.1	100			0	
98				**98.0-100.60m:** SILTSTONE. Laminated unit.		0	98.40 - 100.60 Faulted segments with markedly differing CBA's juxtaposed.
99	99.1	102.1	100			0	
100				**100.60-177.0m:** BRECCIA.		0	
100				- Hydraulic fracturing evidenced by 'jigsaw textures'.			
100				- Laminated siltstone intervals are interpreted to be large transported blocks within this 75m+ fault zone.			
100				- Silicified pelite clasts with quartz veining alongside unaltered laminated siltstone clasts suggests an alteration event prior to faulting/brecciation.			
100				2. A well consolidated siltstone matrix.			
100				1. A poorly consolidated, orange brown, ferruginous, oxidised clay OR			
100				- Fault Breccia unit composed of angular poorly sorted, polymiche sedimentary clasts (laminated siltstone, fine grained sandstones, silicified dark grey pelite) in either:			

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
101						0	
102	102.1	105.2	100			0	Hole Orientation - Dip 42deg Azimuth 280deg mag
103						0	
104						0	
105	105.2	108.4	100			0	
106						0	
107						0	
108	108.4	111.6	100			0	
109						0	
110						0	
111	111.6	114.8	100			0	
112						0	
113						0	
114	114.8	118.0	100			0	
115						0	
116						0	
117						0	
118	118.0	121.15	100			0	
119						0	
120						0	
121	121.15	124.3	100			0	
122						0	
123						1	
124	124.3	127.4	100			0	
125						1	
126						0	
127	127.4	128.9	93			0	
128	128.9	131.4	100			0	
129						0	
130						0	
131	131.4	133.5	100			1	
132	133.5	134.7	100			2	
133						0	
134	134.7	135.8	0			0	
135	135.8	136.5	85			0	
136	136.5	139.35	42			0	

614079

GEOLOGICAL LOG

DEPTH (m)	RECOVERY			CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
	From	To	%				
137						0	134.70 - 144m A zone of extensive core loss, poor recovery, poorly consolidated ocre (breccia unit) and hole collapse gravels and muds. Fault?
138						0	
139	139.35	140.2	100			No Core	
140	140.2	140.8	100			0	
141	140.8	142.5	100			119	
142						1	
143	142.5	144.0	100			0	
144	144.0	145.3	77			0	
145	145.3	148.5	97			0	
146						0	
147						0	
148	148.5	151.5	97			0	
149						0	
150						0	
151	151.5	154.5	73			0	
152						0	
153						0	Hole Orientation - Dip 42deg Azimuth 280deg mag
154	154.5	156.2	0			0	
155						No Core	
156	156.2	158.1	0			No Core	
157						No Core	154.0-161.7m Zone of extensive core loss and minimal recoveries. Fault?
158	158.1	160.5	25			No Core	
159						0	
160	160.5	161.7	0			No Core	
161	161.7	163.5	97	@161-173.40 Major zone of silicification with late stage quartz veining <3cms over printing the breccia unit.		No Core	
162						0	
163	163.5	166.5	0			0	
164						No Core	
165						No Core	
166	166.5	167.7	100			No Core	
167	167.7	168.2	100			0	
168	168.2	169.5	100			0	

614080

GEOLOGICAL LOG

DEPTH	RECOVERY			CORE DESCRIPTION	C.B/CV.A	MAGNETIC	COMMENTS
(m)	From	To	%		C.V.A	SUSCEPTIBILITY	
168							
169	169.5	172.5	100			0	
170						0	
171						0	
172	172.5	175.2	100			0	
173				@173.40-174.70 brecciated dark grey to black pelite interval.		0	
174						0	
175	175.2	175.8	100			0	
176	175.8	178.5	100			0	
177				**177.0-193.5m:** MUDSTONE. Dark grey and pale grey fine to thick laminae. - Biogenic pyrite as discrete rounded masses or lenticular masses parallel to laminae and disseminated throughout this lithotype. (<1%).	Fault surface @ 177m	0	
178	178.5	179.4	11			0	
179	179.4	179.6	50			0	
180	179.6	181.5	100			0	
181	181.5	181.8	100			0	
182	181.8	184.5	100		CBA 45deg	0	
183						0	Late stage quartz veining and spatially associated brecciation @ 179.6-180.2
184	184.5	187.5	100			0	
185						0	
186						0	
187	187.5	190.5	100			0	
188					CBA 45deg	0	
189						0	Late stage quartz veining and spatially associated brecciation @ 185-185.8
190	190.5	193.5	100			0	
191						0	Late stage quartz veining and spatially associated brecciation @ 188.6-191.3
192							
193				**193.5m: END OF HOLE.**			193.5 END OF HOLE

DRILL LOG COVER SHEET

Project: Cape Sorell
Exploration Licence: EL10/97
Prospect: Pelias Cove
Hole Number: PC-2
Co-ordinates: E 363605 N 5310322
Logged by: Luke Vanzino

RL Collar: 25mASL

Azimuth: 29m/277g
Inclination: -45deg
Depth: 361.2

Hole Size:

	FROM	TO
HQ	0	210
NQ	210	261.2

Commenced: 02 June 1999
Completed: 19 June 1999
Drillers: DDT - Jamie Kaye/Justin
Drill Type: LF70
Comments:

GEOLOGICAL LOG

Project:	**Cape Sorell**	**Exploration Licence:**	**EL10/97**
Prospect:	**Pelias Cove**	**Hole Number:**	**PC-2**
Logged By:	**Luke Vanzino**		

DEPTH (m)	RECOVERY From	To	%	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
0	0	2.5	0	**0-2.6m**: White surficial clays with quartz fluviatile pebbles. Extensive Core Loss.		0	
1	2.5	4.7	36			0	
2				**2.6-5.0m:** SANDSTONE. 1/4-1/2mm medium grained, poor consolidated.		0	
3						0	
4	4.7	7.7	30			0	
5				**5.0-12.0m**: SILTSTONE. Cream pale brown in colour, laminated.		0	
6						0	
7	7.7	10.7	83			0	
8						0	
9						0	
10	10.7	13.7	36			0	
11						0	
12				**12.0-15.0m**: UNCONSOLIDATED. Sand, silt and clay.		0	
13						0	
14	13.7	15	84			0	
15	15	16.7	88	**15.0-25.7m:** SILTSTONE. Cream pale brown in colour, laminated.		0	
16	16.7	19.7	70			0	
17						0	
18						0	
19	19.7	20.6	100			0	
20	20.6	22.7	100			0	
21						0	
22	22.7	25.7	46			0	
23						0	
24						0	
25	25.7	27.9	100	**25.7-27.6m**: UNCONSOLIDATED. Sand, silt and clay.		0	
26						0	
27	27.9	30	100	**27.6-28.25m**: SANDSTONE. Subrounded to subangular, fire 1/8 to 1/4mm.		0	

614083

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
28				**28.25-51.90m:** SILTSTONE. Cream pale brown in colour, laminated.		0	
29						0	
30	30	31.7	100			0	
31	31.7	34.4	40			0	
32						0	
33						0	
34	34.4	36.3	100			0	
35						0	
36	36.3	39.2	61			0	
37						0	
38						0	
39	39.2	41.4	40			0	
40						0	HQ Drill string snapped @ 40m. 170m of HQ rods in hole (40m-210m)
41	41.4	43.7	65			0	
42						0	
43	43.7	44.9	100			0	
44						0	
45	44.9	46.7	77			0	
46	46.7	49.7	100		CB 55deg	0	
47						0	
48						0	
49	49.7	52.7	48			0	
50						0	
51				**51.9-61.9m**: BRECCIA. Sedimentary breccia, poortly sorted, polymictic with sedimentary clasts, matrix supported. Clasts range from granule to pebble size in a poor to moderately consolidated matrix of clay and silt.		0	Camera Shot - Dip 47deg Az 287grid/274mag
52	52.7	55.7	93			0	@52.90m - 10cm quartz vein.
53						0	
54						0	
55	55.7	58.5	42			0	
56						0	
57						0	
58	58.5	60.7	100			0	
59						0	
60	60.7	61.8	100			0	

614084

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
61	61.8	62.9	100	**61.9-72.4m**: SILTSTONE. Poorly consolidated, cream pale brown in colour, laminated.		0	
62	62.9	64.4	100			0	
63					CB 30deg	0	
64	64.4	66.1	100			0	
65						0	
66	66.1	67.7	100			0	
67	67.7	70.4	100			0	
68						0	
69					CB 45deg	0	
70	70.4	72.4	100			0	
71						0	
72	72.4	75.5	77	**72.4-75.5m**: BRECCIA. Poorly consolidated, cream pale brown in colour, laminated.		0	
73						0	
74						0	
75	75.5	78.1	100	**75.5-123.8m**: SILTSTONE. Poorly consolidated, variably ferruginous, ochre to orange brown in colour, variable fine laminations with subordinate sandstone bands. Poorly consolidated, subangular, fine grained and poorly sorted. Quartz, mica and lithic components.		0	
76						0	
77						0	
78	78.1	79.7	100			0	
79	79.7	82.3	57			0	
80						0	
81						0	
82	82.3	85	100			0	
83						0	
84						0	
85	85	87.1	85			0	
86						0	
87	87.1	89.1	65			0	
88						0	
89	89.1	90.2	100			0	
90	90.2	92.3	95			0	
91						0	
92	92.3	93.8	100		CB 55deg	0	

614085

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	To	%	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
93	93.8	95.8				0	
94						0	
95	95.8	97.7	100			0	
96						0	
97	97.7	100.4	100			0	
98						0	
99						0	
100	100.4	103.2	75			0	Camera shot @ 101m - Dip 48deg Az 283grid 270m
101						0	@101-101.10 thin sedimentary breccia band.
102						0	
103	103.2	104.5	100			0	
104	104.5	106.7	95			0	
105						0	
106	106.7	108.4	82			0	
107						0	
108	108.4	110.6	100			0	
109						0	
110	110.6	112.7	95			0	
111						0	
112	112.7	114.3	100			0	
113						0	
114	114.3	117.2	100			0	
115						0	
116						0	
117	117.2	120.3	93			0	
118						0	
119					CB 40deg	0	
120	120.3	123.3	93		CVA 35deg	0	@120m, small interval of talcose clay @120.95 - 5cm wide qtz vein with remnant leach voids
121					CBA 85deg	14	@121.95 - 5cm wide qtz vein with remnant leach voids with zone of wall rock siliafication characterised by coarsely, crystalline euhedral quartz. Zone width 120.7-123.3m.
122						5	

614086

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
123	123.3	125.6	100	**123.8-127.7m:** BRECCIA. Poor consolidated *sedimentary breccia, poorly sorted, polymictic with* sedimentary clasts, matrix supported. Clasts range from granule to pebble size in a poor to moderately consolidated matrix of clay and silt.		0	
124						11	
125	125.6	127.7	96			9	
126						0	
127	1127.7	129.8	90	**127.7-130.9m:** SILTSTONE. Ferruginous, mottled in colour poorly consolidated.		8	
128						7	
129	129.8	131.9	100			0	
130				**130.9-132.9m:** SANDSTONE. Subangular, fine to medium, quartz rich.	CVA 65deg	0	@130.8 1cm wide euhedral quartz vein.
131	131.8	133.7	100			1	
132				**132.9-151.3**m: SILTSTONE. Poorly consolidated, ferruginous laminated.		15	
133	133.7	136.2	100			0	
134						40	
135						2	
136	136.2	138	100			0	
137						0	
138	138	139.7	100		CB 45deg	0	
139	139.7	142.4	91			0	
140						0	
141						0	
142	142.4	145.5	74			0	
143						0	
144						0	
145	145.5	148	100			11	
146					CVA Not Determ.	0	@146.20m 20cm euhedral quartz vein with leach voids (after carb?)
147						0	
148	148	151.1	93		CVA 75deg	0	@148.05 15cm euhedral quartz vein with leach voids (after carbz?)
149						0	
150						0	
151	151.1	156.7	100	**151.3-152.15**m: SANDSTONE. Pale grey subangular, fine to medium, quartz rich.		0	Camera shot Dip 48deg Az 279Grid/266Mag

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
152				**152.15-156.7m:** SILTSTONE. Ferruginous, mottled, mid orange brown.		0	
153						0	
154						0	
155						0	
156	156.7	159.8	100	**156.7-181.7m:** ALTERED SILTSTONE. First appearance of talc alteration at 156.7.		0	
157				@156.7-166.0 whitish pale brown alteration obscures lamination.		0	
158						0	
159	159.8	161.7	100			0	
160						0	
161	161.7	163.6	73			0	
162						0	
163	163.6	166.7	100			0	
164						0	
165						0	
166	166.7	169.7	100			0	
167						0	
168						0	
169	169.7	172.7	100			0	
170						0	
171						0	
172	172.7	175.7	100			0	
173						0	
174						0	
175	175.7	178.7	100			11	
176						29	
177						2	
178	178.7	181.7	100			0	
179						0	
180					CB 45deg	4	
181	181.7	184.7	100	**181.7-353.47m:** Zone intense, pervasive silica-talc alteration. Silica flooding has totally obscured the siltstone protolith. Brecciation noted throughout the interval plus a late stage post brecciation/alteration quartz veining event. (dolomitic siltst protolith??)		0	At hand specimen scale the rock displays brecciation of the protolith, with the individual clasts being intensely silicified and the interstitial area composed of silica and talc.
182						0	
183						0	

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
184	184.7	187.7	100			1	
185						1	
186						0	
187	187.7	190.7	100			25	
188						7	
189						0	
190	190.7	193.2	96			1	
191						6	@191-192.1 Yellow ochre, ferruginous zone.
192						2	
193	193.2	196.3	100			8	
194						12	
195						11	@195.5-198.85 Yellow ochre, ferrignous zone.
196	196.3	199.4	100			5	
197						0	
198						1	
199	199.4	202.5	100			0	
200						38	@200.3-200.8 Yellow ochre, ferruginous zone.
201						4	
202	202.5	205.6	96			1	
203						0	
204						0	
205	205.6	208.7	100			0	
206						0	
207						0	Camera shot - Dip 49deg Az 381grid/268deg mag
208	208.7	209.8	100			0	
209	209.8	211.7	100			0	
210						5	Sample for thin section @210.35. Wte, pervasive altd rock, dolomitic sltst protolith?
211	211.7	214.7	100			8	
212						13	
213						1	
214	214.7	217.7	100			0	
215						0	
216						0	

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
217	217.7	218.9	100			0	
218	218.9	222.2	97			0	
219						0	
220						0	
221						0	
222	222.2	225.5	94			0	
223						0	@223.3-223.8 Yellow ochre, ferruginous zone. Sample for thin section @ 223.45.
224						0	@224.4-224.7 Yellow ochre, ferruginous zone.
225	225.5	228.6	100			0	
226						0	
227						0	@227.1-227.6 Yellow ochre, ferruginous zone.
228	228.6	228.8	100			0	
229	228.8	231.9	100			0	
230						0	
231	231.9	235.1	100			0	
232						0	
233						0	
234						0	
235	235.1	238.2	100			0	
236						0	
237						0	
238	238.2	241.3	100			0	
239						1	
240						0	
241	241.3	244.4	100			0	@241.85-242.30 Yellow ochre, ferruginous zone.
242						0	
243						0	
244	244.4	247.5	100			0	
245						0	
246						0	
247	247.5	250.7	96			0	
248						0	
249						0	
250	250.7	253.7	100			1	
251						0	

614090

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	To	%	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
252						10	
253	253.7	256.7	100			0	
254						0	
255						0	Camera Shot - Dip 49deg Az 281grid 268mag
256	2556.7	259.7	96			0	
257						1	
258						1	@258.1-258.25 Yellow ochre, ferruginous zone.
259	259.7	262.7	100			1	
260						12	
261						2	
262	262.7	265.7	100			16	
263						7	
264						4	
265	265.7	267.1	100			1	
266						0	
267	267.1	270.2	100			0	
268						1	
269						0	
270	270.2	270.4	100			1	
271	270.4	273.5	100			0	
272						1	
273	273.5	276.6	100			2	
274						4	
275						0	
276	276.6	279.7	100			0	
277						0	
278						0	
279	279.7	282.8	100			0	
280						0	
281						0	
282	282.8	285.9	100			0	
283						0	
284						0	
285	285.9	289.2	94			0	
286						0	
287						2	
288						0	

GEOLOGICAL LOG

DEPTH (m)	RECOVERY			CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
	From	To	%				
289	289.2	292.3	100			0	
290						0	
291						2	
292	292.3	295.4	100			0	
293						0	
294						0	
295	295.4	295.7	66			18	
296	295.7	298.7	100			0	
297						0	
298	298.7	301.7	100			0	
299						0	
300						0	
301	301.7	304.7	100			0	
302						0	
303						0	
304	304.7	307.7	100			0	
305						0	
306						0	Camera shot - Dip49deg Az 283grid/270mag
307	307.7	310.7	100			0	
308						0	
309						0	
310	310.7	313.7	100			0	
311						0	
312						0	
313	313.7	316.7	100			0	
314						0	
315						0	
316	316.7	319.7	100			0	
317						0	
318						0	
319	319.7	322.7	100			0	
320						0	
321						0	
322	322.7	325.7	100			0	
323						0	
324						0	
325	325.7	328.7	100			0	
326						0	
327						0	

614092

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
328	328.7	331.7	100			0	
329						0	
330						0	
331	331.7	334.7	100			0	
332						0	
333						0	
334	334.7	337.7	100			0	
335						0	
336						0	
337	337.7	340.7	100			0	
338						0	
339						0	
340	340.7	343.7	93			0	
341						0	
342						0	
343	343.7	346.7	100			0	
344						0	
345						0	
346	346.7	349.7	100		CVA 75deg	0	@346.2-353.47 Late stage, milky white quartz veining.
347						0	
348						0	
349	349.7	352.7	100			0	@349.15-249.55 Very fine pyrite along bedding/cleavage planes.
350						0	
351						0	
352	352.7	355	86			0	
353				**353.47-361.2m:** PELITE. Dark grey pelite exhibiting a mineral grain lineation of elongated quartz grains (metamorphic??) defining a distinct preferred orientation parallel to bedding.		0	
354						0	
355	355	358.1	100			0	
356					CB 40deg	0	
357						0	
358	358.1	361.2	100			0	
359						0	
360						0	Camera shot - Dip 48deg Az 287grid/274mag

614093

GEOLOGICAL LOG

DEPTH (m)	RECOVERY			CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
	From	To	%				
361				**361.2m: END OF HOLE**		0	End of hole 361.2m - Slotted ploypipe in the hole for possible downhole EM.

614095

DRILL LOG COVER SHEET

Project: Cape Sorell **Exploration Licence:** EL10/97

Prospect: Pelias Cove **Hole Number:** PC-3

Co-ordinates: **E** 363633 **N** 5310673 **Logged by:** Luke Vanzino

RL Collar: 5mASL

Azimuth: 280m/267g

Inclination: -45deg

Depth: 205m

Hole Size:

	FROM	TO
HQ	0	205
NQ		

Commenced: 20 June 1999

Completed: 12 July 1999

Drillers: DDT - Jamie Kaye/Justin

Drill Type: LF70

Comments:

GEOLOGICAL LOG

Project:	**Cape Sorell**	**Exploration Licence:**	**EL10/97**
Prospect:	**Pelias Cove**	**Hole Number:**	**PC-3**
Logged By:	**Luke Vanzino**		

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
0	0	4	0	**0-4m:** Tricone - No Core.			
1						NS	
2						NS	
3						NS	
4	4	11	55	**4-26.4m:** UNCONSOLIDATED CLAYS - (aftersiltstone) cream pale brown to off white clays with evidence of transported fragments in upper interval.		18	
5						0	
6						0	
7						2	
8						1	
9						0	
10						0	
11	11	14	37			0	
12						2	
13						0	
14	14	17	17			0	
15						46	
16						0	
17	17	20.1	93			0	
18						0	
19						0	
20	20.1	21.3	42			0	
21	21.3	23	0			0	
22						NS	
23	23	26	53			0	
24						0	
25						0	

GEOLOGICAL LOG

26	26	27.4	100	**26.4-29m:** METASEDIMENT. Dark grey & white, compositionally banded psammite/pelite. Metamorphic layering 1-10mm with white-pale grey quartz rich layers & dark grey pelite folia. Locally schistose. Local quartz augen development. Evidence for localised syn-sed brecciation/soft sed deformation.		0	
27	27.4	29.8	92			0	@27.4 10cm zone of coarse euhedral qtz.
28						0	
29	29.8	32.0	54	**29-37m:** FAULT ZONE. Off white & mottled ferruginous clays with silicified sedimentary clasts.		0	
30						4	
31						0	
32	32.0	34.0	55			0	
33						0	
34	34.0	35.8	78			0	
35	35.8	36.9	91			0	
36	36.9	38.8	100			0	
37				**37-48.07m:** METASEDIMENT. Dark grey & white, compositnally banded psammite/pelite. Metamorphic layering 1-10mm with white-pale grey quartz rich layers & dark grey pelite folia. Locally schistose. Local quartz augen development. Evidence for localised syn-sed brecciation/soft sed deformation.	CB 45deg	0	
38	38.8	40.8	100			1	
39						0	
40	40.8	44.0	59			0	@40.8 lost water.
41						0	@41.05o-41.8 oligomictic fault breccia band.
42					CB 50deg	0	
43						1	
44	44.0	46.7	88			0	
45						2	
46	46.7	50	27			0	
47						1	
48				**48.07-85.4m:** BRECCIA. -(Thrust Plan Fault Brecia?). -Variably Textured with rapid changes from clast to matrix supported. -Angular, poorly sorted clasts of local derivation (sandstones, black shales, siltstones)		0	
49						0	

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GEOLOGICAL LOG

50	50.0	52.1	61			0	
51						18	Camera Shot - Dip 46deg Az 276grid/263mag
52	52.1	53.4	100			7	
53	53.4	56	62			0	
54						0	
55						0	
56	56	59	93	@56-59.6m Distinctive hydrothermal silica overprinting the breccia event. Euhedral white quartz vughs with remnant unaltered cores of breccia protolith.		0	
57						0	
58						0	
59	59	62	20			7	
60				**48.07-85.4m:** BRECCIA. -(Thrust Plan Fault Brecia?). -Variably Textured with rapid changesfrom clast to matrix supported. -Angular, poorly sorted clasts of local derivation (sandstones, black shales, siltstones)		33	
61						NS	
62	62	63.7	47			0	
63	63.7	64.9	92	@63-63.7m Distinctive hydrothermal silica overprinting the breccia event. Euhedral white qtz vughs with remnant unaltered cores of breccia protolith.		0	
64	64.9	67.9	100	@64-64.6m & 64.9-65.25m Distinctive hydrothermal silica overprinting the breccia event. Euhedral white quartz vughs with remnant unaltered cores of breccia protolith.		0	
65						14	
66						8	@66.15-68.1 reamed material.
67	67.9	68.7	100			5	
68	68.7	71.0	100			0	
69						7	
70						0	
71	71.0	74.0	93			14	

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GEOLOGICAL LOG

72						7	@72.0 A large 15cm plus clst of the distinctive, vuggy, hydrothermal quartz rock as a breccia clast. This ffeture plus the brecciated & dismembered qtz veinlets in the interval 77.2-81.2 are evidence for reactiviation of the thrust fault.
73				@73.0-73.6m Distinctive hydrothermal silica overprinting the breccia event. Euhedral white quartz vughs with remnant unaltered cores of breccia protolith.		0	
74	74.0	76.7	88			2	
75						4	
76	76.7	81.3	69			4	
77				@7.2-81.2m Brecciated black shale horizon with dismembered tectonised quartz veinlets.		11	@77.2-81.2 Disseminated pyrite, euhedral, <1% plus a spatially related dk orange mineral as a rind on the pyrite. Undetermined.
78						2	
79						1	
80						14	
81	81.3	81.8	100			0	
82	81.8	83.2	100			2	
83	83.2	84.8	63			1	
84	84.8	85.4	100			0	
85	85.4	87.6	93	**85.4-135m:** METASEDIMENT. Dark grey & white, compositionally banded psammite/pelite. Metamorphic layering 1-10mm with white-pale grey quartz rich layers & dark grey pelite folia. Locally schistose. Local quartz augen development. Evidence localised syn-sed brecciation/soft sed deformation.	CB 40deg	0	
86						0	
87	87.6	90.6	100			0	@87.5 Type example of a crenulation cleavage at right angles to the main cleavage.
88						0	
89					CV 40deg	5	@89.35 - 20cm wide quart vein.
90	90.6	93.8	97			0	
91						0	
92						0	

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GEOLOGICAL LOG

93	93.8	96.9	100			9	
94						0	
95						40	
96	96.9	100	100			28	@96.15 - 20cm wide zone of anastamosing qtz veining.
97						0	
98						0	
99						25	
100	100	103.1	100			0	
101						0	
102						0	
103	103.1	106.2	100		CB 45deg	0	*** From 103m onwards to 135m, metamorphic features such as compositional banding, schistose zones, & quartz augers are less pronounced. Protolith returns to a dark grey, cleaved, laminated siltstone***.
104						0	
105						1	@105m Camera Shot - Dip 47deg Az 277grid/264mag
106	106.2	109.3	100			0	@106.35-106.9 Milky white qtz vein with temporal related well rock brecciation.
107						0	
108						0	
109	109.3	112.5	97			0	
110						0	
111						0	
112	112.5	115.6	100			0	
113					CB 45deg	4	
114						0	
115	115.6	118.7	100			22	@115.7-116 Milky white qtz vein ***Core vein angles along bedding over interval 115-128m.
116						0	
117						0	@117.3-117.6 Milky white qtz vein.
118	118.7	120.8	100			0	
119						0	
120	120.8	123.4	100			0	
121						0	
122						0	@122.6-122.7 Milky white qtz vein.

GEOLOGICAL LOG

123	123.4	125	100			0	@123-123.1 Milky white qtz vein with trace, diss, anhedral. Brassy pyrite.
124						0	
125	125	131	100			0	@125.9-126.1 Milky white qtz vein.
126						15	
127						0	
128						0	@128-128.1 Black graphitic band.
129						14	
130					CB 45deg	1	
131	131	134	100			0	
132						0	
133						0	
134	134	137	100			0	
135				**135-146.8m:** Zone of Silicification and Quartz veining. The protolith of dark grey siltstone has been progressively silica bleached over this interval.		2	
136						16	@136.3-137.1 Zone of interbedded coarse sandstone bands.
137	137	138.7	97			0	
138	138.7	140.3	88			5	@138.0 3cm qtz vein rimmed by pyrite @138.15 3cm qtz vein rimmed by pyrite.
139						15	@138.65 5cm qtz vein (no pyrite).
140	140.3	142.4	100			0	
141						0	
142	142.4	145.2	96			0	
143						0	Within the zone of silicification; there is a gradation change in colour index with the zone of intense silica bleaching within the interval 143.5-146.8.
144						4	
145	145.2	146.8	100			0	
146	146.8	148.0	100	**146.8-194.55m:** SALE. Black shales wth 2 lithofacie units noted. Laminated unit & intraclast breccia unit. Intraclast breccia facies is defined by pale grey angular mudstone clasts up to 4mm long that were eroded from a previous deposited horizon & subseqently incorporated into the current bed. These clasts are inbricated with the long axes defining bedding - There is a rapid interbedding of the two lithofacies.		0	@146.8-155m Graphitic black shales.

GEOLOGICAL LOG

147					CB 35deg	4	**The black shale unit is indurated from 146 to 155m (slow coring / slow cutting).
148	148.0	149.7	100			0	
149	149.7	152.0	100			0	
150						0	
151						0	
152	152.0	153.8	100			0	Camera shot - Dip 47deg Az 273grid/260mag
153	153.8	155.7	95			0	
154						0	
155	155.7	158	100			0	@155-155.2 quartz veining
156						0	
157						2	@157.5-157.9 quartz veining.
158	158	161	100			1	
159						0	
160						0	
161	161	161.4	100			11	@161.4 scour & fill sedimentary structure. Core is right way up.
162	161.4	163.4	95			1	
163	163.4	166	100			0	
164						0	
165					CB 40deg	0	
166	166	168	95			0	
167						0	
168	168	170	100			0	
169						0	@169.7-169.8 quartz vein
170	170	172.4	100		CB 60deg	0	
171						0	
172	172.4	175.5	97			0	
173						0	
174						0	
175	175.5	177.5	100			0	
176						11	
177	177.5	179	100			0	
178						0	
179	179	181.2	91			0	
180						0	
181	181.2	184.2	100		CV 40deg CB 40deg	26	
182						0	@181.8-182.1 quartz vein with trace pyrite.
183						0	

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GEOLOGICAL LOG

184	184.2	187.3	100			2	@184.2-184.65 quartz vein with brecciated quartz and shale clasts and brassy, anhedral pyrite <1%.
185						0	
186						0	
187	187.3	187.7	100			12	@187.2 quartz vein with trace pyrite.
188	187.7	189.1	93			0	@188.8-189.1 quartz vein with trace pyrite.
189	189.1	190.9	100		CV 45deg	0	
190	19.9	193.6	100			0	
191						0	
192						0	
193	193.6	196.7	100		CB 35deg	0	
194				**194.55-205m:** METASANDSTONE. Dark grey, fine grained, massive quartz rich sandstone.		0	
195						5	
196	196.7	199.8	100			0	
197						0	
198						0	
199	199.8	203	97			0	
200						0	
201						0	
202						0	
203	203	205	100			0	
204						0	Camera shot - Dip 45deg Az 278grid/265mag
205				**205m: END OF HOLE.**		26	END OF HOLE 205m - Slotted polypipe in hol for possible downhole EM.

614104

Appendix 4

Magnetic Susceptibility Logs for PC-1, PC-2 and PC-3

614105

MAGNETIC SUSCEPTIBILITY LOG

Project: Cape Sorell **Exploration Licence:** EL10/97
Prospect: Pelias Cove **Hole Number:** PC-1
Logged by: Luke Vanzino

Depth	Magnetic Susceptibility	Comments
0	0	
1	0	
2	0	
3	4	
4	0	30cm of Fondu casing cement
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	1m zone of lost core
11	0	
12	0	
13	0	
14	0	
15	0	
16	0	
17	0	
18	0	
19	0	Inferred fault - angular clasts in mud matrix - 0.3m
20	1	Inferred fault - angular clasts in mud matrix - 0.4m
21	2	
22	0	
23	0	
24	0	
25	0	
26	0	
27	0	
28	0	
29	0	
30	0	
31	1	

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Project: Cape Sorell
Prospect: Pelias Cove
Logged by: Luke Vanzino

Exploration Licence: EL10/97
Hole Number: PC-1

Depth	Magnetic Susceptibility	Comments
32	0	
33	0	
34	0	0.5m zone of core loss
35	0	
36	0	
37	0	
38	0	
39	0	
40	0	
41	0	
42	0	
43	0	
44	0	
45	0	
46	0	
47	0	
48	0	
49	0	
50	0	
51	0	Hole orientation - Dip 44deg Azimuth 280deg mag
52	0	
53	0	
54	0	
55	0	
56	0	Inferred fault - angular clasts in mud matrix - 0.70
57	0	
58	0	
59	0	0.8m zone of lost core
60	0	
61	0	
62	0	
63	0	Inferred fault - clay zone - 0.25m.
64	0	Ferruginous, oxidised zone with in situ laminae visible. Oxidation along fault?? 1.4m wide.
65	0	

Project: Cape Sorell
Prospect: Pelias Cove
Logged by: Luke Vanzino

Exploration Licence: EL10/97
Hole Number: PC-1

Depth	Magnetic Susceptibility	Comments
66	0	
67	0	
68	0	
69	0	
70	0	Ferruginous, oxidised zone with in situ laminae visible. Oxidation along fault?? 0.5m wide.
71	0	
72	0	
73	0	Ferruginous, oxidised zone with in situ laminae visible. Oxidation along fault?? 0.35m wide.
74	0	Ferruginous, oxidised zone with in situ laminae visible. Oxidation along fault?? 0.30m wide.
75	0	
76	0	
77	0	
78	0	
79	0	
79	0	
80	0	
81	0	
82	0	
83	0	
84	0	
85	0	
86	0	
87	0	
88	0	
89	0	
90	0	Ferruginous, oxidised zone, poorly consolidated, liesagang rings 4m in width.
91	8	
92	2	
93	7	
94	2	
95	0	
96	0	
97	0	

Project: Cape Sorell
Prospect: Pelias Cove
Logged by: Luke Vanzino

Exploration Licence: EL10/97
Hole Number: PC-1

Depth	Magnetic Susceptibility	Comments
98	0	
99	0	
100	0	98.40 - 100.60 Faulted segments with markedly differing CBA's juxtaposed.
101	0	
102	0	Hole Orientation - Dip 42deg Azimuth 280deg mag
103	0	
104	0	
105	0	
106	0	
107	0	
108	0	
109	0	
110	0	
111	0	
112	0	
113	0	
114	0	
115	0	
116	0	
117	0	
118	0	
119	0	
120	0	
121	0	
122	0	
123	1	
124	0	
125	1	
126	0	
127	0	
128	0	
129	0	
130	0	
131	1	
132	2	

Project: Cape Sorell **Exploration Licence:** EL10/97
Prospect: Pelias Cove **Hole Number:** PC-1
Logged by: Luke Vanzino

Depth	Magnetic Susceptibility	Comments
133	0	
134	0	
135	0	
136	0	
137	0	134.70 - 144m A zone of extensive core loss, poor recovery, poorly consolidated ocre (breccia unit) and hole collapse gravels and muds. Fault?
138	0	
139	No Core	
140	0	
141	119	
142	1	
143	0	
144	0	
145	0	
146	0	
147	0	
148	0	
149	0	
150	0	
151	0	
152	0	
153	0	Hole Orientation - Dip 42deg Azimuth 280deg mag
154	0	
155	No Core	
156	No Core	
157	No Core	154.0-161.7m Zone of extensive core loss and minimal recoveries. Fault?
158	No Core	
159	0	
160	No Core	
161	No Core	
162	0	
163	0	
164	No Core	
165	No Core	
166	No Core	

Project: Cape Sorell
Prospect: Pelias Cove
Logged by: Luke Vanzino

Exploration Licence: EL10/97
Hole Number: PC-1

Depth	Magnetic Susceptibility	Comments
167	0	
168	0	
169	0	
170	0	
171	0	
172	0	
173	0	
174	0	
175	0	
176	0	
177	0	
178	0	
179	0	
180	0	
181	0	
182	0	
183	0	Late stage quartz veining and spatially associated brecciation @ 179.6-180.2
184	0	
185	0	
186	0	
187	0	
188	0	
189	0	Late stage quartz veining and spatially associated brecciation @ 185-185.8
190	0	
191	0	Late stage quartz veining and spatially associated brecciation @ 188.6-191.3
192		
193		193.5 END OF HOLE

614111

MAGNETIC SUSCEPTIBILITY LOG

Project: Cape Sorell **Exploration Licence:** EL10/97
Prospect: Pelias Cove **Hole Number:** PC-2
Logged by: Luke Vanzino

Depth	Magnetic Susceptibility	Comments
0	0	
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	
11	0	
12	0	
13	0	
14	0	
15	0	
16	0	
17	0	
18	0	
19	0	
20	0	
21	0	
22	0	
23	0	
24	0	
25	0	
26	0	
27	0	
28	0	
29	0	
30	0	
31	0	

Project: Cape Sorell **Exploration Licence:** EL10/97
Prospect: Pelias Cove **Hole Number:** PC-2
Logged by: Luke Vanzino

Depth	Magnetic Susceptibility	Comments
32	0	
33	0	
34	0	
35	0	
36	0	
37	0	
38	0	
39	0	
40	0	HQ Drill string snapped @ 40m. 170m of HQ rods in hole (40m-210m)
41	0	
42	0	
43	0	
44	0	
45	0	
46	0	
47	0	
48	0	
49	0	
50	0	
51	0	Camera Shot - Dip 47deg Az 287grid/274mag
52	0	@52.90m - 10cm quartz vein.
53	0	
54	0	
55	0	
56	0	
57	0	
58	0	
59	0	
60	0	
61	0	
62	0	
63	0	
64	0	
65	0	
66	0	

Project: Cape Sorell **Exploration Licence:** EL10/97
Prospect: Pelias Cove **Hole Number:** PC-2
Logged by: Luke Vanzino

Depth	Magnetic Susceptibility	Comments
67	0	
68	0	
69	0	
70	0	
71	0	
72	0	
73	0	
74	0	
75	0	
76	0	
77	0	
78	0	
79	0	
80	0	
81	0	
82	0	
83	0	
84	0	
85	0	
86	0	
87	0	
88	0	
89	0	
90	0	
91	0	
92	0	
93	0	
94	0	
95	0	
96	0	
97	0	
98	0	
99	0	
100	0	Camera shot @ 101m - Dip 48deg Az 283grid 270m
101	0	@101-101.10 thin sedimentary breccia band.

Project: Cape Sorell **Exploration Licence:** EL10/97
Prospect: Pelias Cove **Hole Number:** PC-2
Logged by: Luke Vanzino

Depth	Magnetic Susceptibility	Comments
102	0	
103	0	
104	0	
105	0	
106	0	
107	0	
108	0	
109	0	
110	0	
111	0	
112	0	
113	0	
114	0	
115	0	
116	0	
117	0	
118	0	
119	0	
120	0	@120m, small interval of talcose clay @120.95 - 5cm wide qtz vein with remnant leach voids
121	14	@121.95 - 5cm wide qtz vein with remnant leach voids with zone of wall rock siliafication characterised by coarsely, crystalline euhedral quartz. Zone width 120.7-123.3m.
122	5	
123	0	
124	11	
125	9	
126	0	
127	8	
128	7	
129	0	
130	0	@130.8 1cm wide euhedral quartz vein.
131	1	
132	15	
133	0	
134	40	
135	2	

Project: Cape Sorell
Exploration Licence: EL10/97
Prospect: Pelias Cove
Hole Number: PC-2
Logged by: Luke Vanzino

Depth	Magnetic Susceptibility	Comments
136	0	
137	0	
138	0	
139	0	
140	0	
141	0	
142	0	
143	0	
144	0	
145	11	
146	0	@146.20m 20cm euhedral quartz vein with leach voids (after carb?)
147	0	
148	0	@148.05 15cm euhedral quartz vein with leach voids (after carbz?)
149	0	
150	0	
151	0	Camera shot Dip 48deg Az 279Grid/266Mag
152	0	
153	0	
154	0	
155	0	
156	0	
157	0	
158	0	
159	0	
160	0	
161	0	
162	0	
163	0	
164	0	
165	0	
166	0	
167	0	
168	0	
169	0	
170	0	

614116

Project: Cape Sorell **Exploration Licence:** EL10/97
Prospect: Pelias Cove **Hole Number:** PC-2
Logged by: Luke Vanzino

Depth	Magnetic Susceptibility	Comments
171	0	
172	0	
173	0	
174	0	
175	11	
176	29	
177	2	
178	0	
179	0	
180	4	
181	0	At hand specimen scale the rock displays brecciation of the protolith, with the individual clasts being intensely silicified and the interstitial area composed of silica and talc.
182	0	
183	0	
184	1	
185	1	
186	0	
187	25	
188	7	
189	0	
190	1	
191	6	@191-192.1 Yellow ochre, ferruginous zone.
192	2	
193	8	
194	12	
195	11	@195.5-198.85 Yellow ochre, ferrignous zone.
196	5	
197	0	
198	1	
199	0	
200	38	@200.3-200.8 Yellow ochre, ferruginous zone.
201	4	
202	1	
203	0	
204	0	

614117

Project: Cape Sorell
Prospect: Pelias Cove
Logged by: Luke Vanzino

Exploration Licence: EL10/97
Hole Number: PC-2

Depth	Magnetic Susceptibility	Comments
205	0	
206	0	
207	0	Camera shot - Dip 49deg Az 381grid/268deg mag
208	0	
209	0	
210	5	
211	8	
212	13	
213	1	
214	0	
215	0	
216	0	
217	0	
218	0	
219	0	
220	0	
221	0	
222	0	
223	0	@223.3-223.8 Yellow ochre, ferruginous zone.
224	0	@224.4-224.7 Yellow ochre, ferruginous zone.
225	0	
226	0	
227	0	@227.1-227.6 Yellow ochre, ferruginous zone.
228	0	
229	0	
230	0	
231	0	
232	0	
233	0	
234	0	
235	0	
236	0	
237	0	
238	0	
239	1	

Project: Cape Sorell **Exploration Licence:** EL10/97

Prospect: Pelias Cove **Hole Number:** PC-2

Logged by: Luke Vanzino

Depth	Magnetic Susceptibility	Comments
240	0	
241	0	@241.85-242.30 Yellow ochre, ferruginous zone.
242	0	
243	0	
244	0	
245	0	
246	0	
247	0	
248	0	
249	0	
250	1	
251	0	
252	10	
253	0	
254	0	
255	0	Camera Shot - Dip 49deg Az 281grid 268mag
256	0	
257	1	
258	1	@258.1-258.25 Yellow ochre, ferruginous zone.
259	1	
260	12	
261	2	
262	16	
263	7	
264	4	
265	1	
266	0	
267	0	
268	1	
269	0	
270	1	
271	0	
272	1	
273	2	
274	4	

Project: Cape Sorell
Prospect: Pelias Cove
Logged by: Luke Vanzino

Exploration Licence: EL10/97
Hole Number: PC-2

Depth	Magnetic Susceptibility	Comments
275	0	
276	0	
277	0	
278	0	
279	0	
280	0	
281	0	
282	0	
283	0	
284	0	
285	0	
286	0	
287	2	
288	0	
289	0	
290	0	
291	2	
292	0	
293	0	
294	0	
295	18	
296	0	
297	0	
298	0	
299	0	
300	0	
301	0	
302	0	
303	0	
304	0	
305	0	
306	0	Camera shot - Dip49deg Az 283grid/270mag
307	0	
308	0	
309	0	

Project: Cape Sorell
Prospect: Pelias Cove
Logged by: Luke Vanzino

Exploration Licence: EL10/97
Hole Number: PC-2

Depth	Magnetic Susceptibility	Comments
310	0	
311	0	
312	0	
313	0	
314	0	
315	0	
316	0	
317	0	
318	0	
319	0	
320	0	
321	0	
322	0	
323	0	
324	0	
325	0	
326	0	
327	0	
328	0	
329	0	
330	0	
331	0	
332	0	
333	0	
334	0	
335	0	
336	0	
337	0	
338	0	
339	0	
340	0	
341	0	
342	0	
343	0	
344	0	

Project: Cape Sorell
Prospect: Pelias Cove
Logged by: Luke Vanzino

Exploration Licence: EL10/97
Hole Number: PC-2

Depth	Magnetic Susceptibility	Comments
345	0	
346	0	@346.2-353.47 Late stage, milky white quartz veining.
347	0	
348	0	
349	0	@349.15-249.55 Very fine pyrite along bedding/cleavage planes.
350	0	
351	0	
352	0	
353	0	
354	0	
355	0	
356	0	
357	0	
358	0	
359	0	
360	0	Camera shot - Dip 48deg Az 287grid/274mag
361	0	End of hole 361.2m - Slotted ploypipe in the hole for possible downhole EM.

614122

MAGNETIC SUSCEPTIBILITY LOG

Project: Cape Sorell **Exploration Licence:** EL10/97
Prospect: Pelias Cove **Hole Number:** PC-3
Logged by: Luke Vanzino

Depth	Magnetic Susceptibility	Comments
0		
1	NS	
2	NS	
3	NS	
4	18	
5	0	
6	0	
7	2	
8	1	
9	0	
10	0	
11	0	
12	2	
13	0	
14	0	
15	46	
16	0	
17	0	
18	0	
19	0	
20	0	
21	0	
22	NS0	
23	0	
24	0	
25	0	
26	0	
27	0	@27.4 10cm zone of coarse euhedral qtz.
28	0	
29	0	
30	4	
31	0	

Project: Cape Sorell **Exploration Licence:** EL10/97
Prospect: Pelias Cove **Hole Number:** PC-3
Logged by: Luke Vanzino

Depth	Magnetic Susceptibility	Comments
32	0	
33	0	
34	0	
35	0	
36	0	
37	0	
38	1	
39	0	
40	0	@40.8 lost water.
41	0	@41.05o-41.8 oligomictic fault breccia band.
42	0	
43	1	
44	0	
45	2	
46	0	
47	1	
48	0	
49	0	
50	0	
51	18	Camera Shot - Dip 46deg Az 276grid/263mag
52	7	
53	0	
54	0	
55	0	
56	0	
57	0	
58	0	
59	7	
60	33	
61	NS	
62	0	
63	0	
64	0	
65	14	
66	8	@66.15-68.1 reamed material.

Project: Cape Sorell
Exploration Licence: EL10/97
Prospect: Pelias Cove
Hole Number: PC-3
Logged by: Luke Vanzino

Depth	Magnetic Susceptibility	Comments
67	5	
68	0	
69	7	
70	0	
71	14	
72	7	@72.0 A large 15cm plus clst of the distinctive, vuggy, hydrothermal quartz rock as a breccia clast. This ffeture plus the brecciated & dismembered qtz veinlets in the interval 77.2-81.2 are evidence for reactiviation of the thrust fault.
73	0	
74	2	
75	4	
76	4	
77	11	@77.2-81.2 Disseminated pyrite, euhedral, <1% plus a spatially related dk orange mineral as a rind on the pyrite. Undetermined.
78	2	
79	1	
80	14	
81	0	
82	2	
83	1	
84	0	
85	0	
86	0	
87	0	@87.5 Type example of a crenulation cleavage at right angles to the main cleavage.
88	0	
89	5	@89.35 - 20cm wide quart vein.
90	0	
91	0	
92	0	
93	9	
94	0	
95	40	
96	28	@96.15 - 20cm wide zone of anastamosing qtz veining.
97	0	
98	0	
99	25	

Project: Cape Sorell **Exploration Licence:** EL10/97
Prospect: Pelias Cove **Hole Number:** PC-3
Logged by: Luke Vanzino

Depth	Magnetic Susceptibility	Comments
100	0	
101	0	
102	0	
103	0	*** From 103m onwards to 135m, metamorphic features such as compositional banding, schistose zones, & quartz augers are less pronounced. Protolith returns to a dark grey, cleaved, laminated siltstone***.
104	0	
105	1	@105m Camera Shot - Dip 47deg Az 277grid/264mag
106	0	@106.35-106.9 Milky white qtz vein with temporal related well rock brecciation.
107	0	
108	0	
109	0	
110	0	
111	0	
112	0	
113	4	
114	0	
115	22	@115.7-116 Milky white qtz vein ***Core vein angles along bedding over interval 115-128m.
116	0	
117	0	@117.3-117.6 Milky white qtz vein.
118	0	
119	0	
120	0	
121	0	
122	0	@122.6-122.7 Milky white qtz vein.
123	0	@123-123.1 Milky white qtz vein with trace, diss, anhedral. Brassy pyrite.
124	0	
125	0	@125.9-126.1 Milky white qtz vein.
126	15	
127	0	
128	0	@128-128.1 Black graphitic band.
129	14	
130	1	
131	0	
132	0	

Project: Cape Sorell **Exploration Licence:** EL10/97
Prospect: Pelias Cove **Hole Number:** PC-3
Logged by: Luke Vanzino

Depth	Magnetic Susceptibility	Comments
133	0	
134	0	
135	2	
136	16	@136.3-137.1 Zone of interbedded coarse sandstone bands.
137	0	
138	5	@138.0 3cm qtz vein rimmed by pyrite @138.15 3cm qtz vein rimmed by pyrite.
139	15	@138.65 5cm qtz vein (no pyrite).
140	0	
141	0	
142	0	
143	0	Within the zone of silicification; there is a gradation change in colour index with the zone of intense silica bleaching within the interval 143.5-146.8.
144	4	
145	0	
146	0	@146.8-155m Graphitic black shales.
147	4	**The black shale unit is indurated from 146 to 155m (slow coring / slow cutting).
148	0	
149	0	
150	0	
151	0	
152	0	Camera shot - Dip 47deg Az 273grid/260mag
153	0	
154	0	
155	0	@155-155.2 quartz veining
156	0	
157	2	@157.5-157.9 quartz veining.
158	1	
159	0	
160	0	
161	11	@161.4 scour & fill sedimentary structure. Core is right way up.
162	1	
163	0	
164	0	
165	0	
166	0	

614127

Project: Cape Sorell

Prospect: Pelias Cove

Logged by: Luke Vanzino

Exploration Licence: EL10/97

Hole Number: PC-3

Depth	Magnetic Susceptibility	Comments
167	0	
168	0	
169	0	@169.7-169.8 quartz vein
170	0	
171	0	
172	0	
173	0	
174	0	
175	0	
176	11	
177	0	
178	0	
179	0	
180	0	
181	26	
182	0	@181.8-182.1 quartz vein with trace pyrite.
183	0	
184	2	@184.2-184.65 quartz vein with brecciated quartz and shale clasts and brassy, anhedral pyrite <1%.
185	0	
186	0	
187	12	@187.2 quartz vein with trace pyrite.
188	0	@188.8-189.1 quartz vein with trace pyrite.
189	0	
190	0	
191	0	
192	0	
193	0	
194	0	
195	5	
196	0	
197	0	
198	0	
199	0	
200	0	

614128

Project: Cape Sorell

Prospect: Pelias Cove

Logged by: Luke Vanzino

Exploration Licence: EL10/97

Hole Number: PC-3

Depth	Magnetic Susceptibility	Comments
201	0	
202	0	
203	0	
204	0	Camera shot - Dip 45deg Az 278grid/265mag
205	26	END OF HOLE 205m - Slotted polypipe in hol for possible downhole EM.

614129

Appendix 5

Geological Logs for H99-1, H99-2 and H99-3

614130

DRILL LOG COVER SHEET

Project: Cape Sorell **Exploration Licence:** EL09/98
Prospect: Hill 99 **Hole Number:** H99-1
Co-ordinates: **E** 370225 **N** 5306150 **Logged by:** Sean Westbrook

RL Collar: 035ASL

Azimuth: 077m/090g
Inclination: -45deg
Depth: 296.0m

Hole Size:

	FROM	TO
HQ	0	85
NQ	85	296

Commenced: 10 May 1999
Completed: 09 June 1999
Drillers: DDT - Matt Semmens
Drill Type: DT500
Comments:

GEOLOGICAL LOG

Project:	**Cape Sorell**	**Exploration Licence:**	**EL09/98**
Prospect:	**Hill 99**	**Hole Number:**	**H99-1**
Logged By:	**Sean Westbrook**		

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
1	0	8.4	62.5	**0-27.8m:** OXIDISED ZONE. Weathered dark green chloritic, quartz - carbonate veined clay. Mafic precursor or equivalent epiclastic sediment.		1	
2						1	
3						8	
4						12	
5						39	
6						36	
7						35	
8	8.4	9.5	36.3			43	
9	9.5	12.5	30.0			29	
10						22	
11						29	
12	12.5	15.5	71.6			40	
13						18	
14						139	
15	15.5	18.5	68.3			66	
16						8	
17						25	
18	18.5	21.5	100			35	
19						49	
20						73	
21	21.5	27.5	66.6			33	
22						49	
23						47	
24						92	
25						78	
26						35	

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
27	27.5	30.5	100	**27.8-151.1m:** MAFIC VOLCANICLASTICS. Strongly chlorite altered lithic - volcanic siltstone, sandstone and breccia. Primary textures obliterated. Stockwork carbonate-quartz +/- pyrite veining throughout. - Alteration predominantly chloritic-pyllic with trace to 5% pyrite. Talcose alteration is sporadic. Hematitic silicic alteration present as "spotting", clast replacement and minor pervasive zones.	V 55deg (q-carb)	19	
28						11	
29						8	
30	30.5	33.5	100			18	Camera oreintation (@30m): Azimuth=093, Dip=-44
31						4	
32						21	
33	33.5	36.5	100		CV 60deg	60	
34						33	
35						46	
36	36.5	39.5	100			23	
37						21	
38						36	
39	39.5	42.5	100		CV 55deg	29	
40						19	
41						29	
42	42.5	48.5	100			28	
43					CV 48deg	30	
44						15	
45						88	
46					CV 50deg	14	46.5 to 48.0 - light to moderate pale green rock with disseminated rutile clots.
47						12	
48	48.5	51.5	100			32	
49						36	
50						57	
51	51.5	54.5	100			49	
52						36	
53					V 55deg (c-py) CV 55deg	25	

GEOLOGICAL LOG

DEPTH (m)	RECOVERY			CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
	From	To	%				
54	54.5	57.5	100		CV 45deg	26	
55					V 30deg (c-q+/-py)	29	
56						21	
57	57.5	60.5	98.3		CV 73deg	38	
58						43	
59					CV 65deg	40	
60	60.5	63.5	100			52	
61						52	
62						53	
63	63.5	66.5	100		CV 60deg	46	
64						36	
65						38	
66	66.5	69.5	100			35	
67						39	
68						42	
69	69.5	72.5	100			23	
70						16	
71					V 45deg (c-hem) CV 45deg	16	
72	72.5	75.5	100			52	
73						25	
74						43	
75	75.5	78.5	100		CV 58deg	1473	
76						39	
77						49	
78	78.5	81.5	100			47	
79					CV+BX - 55deg	21	@ 79.25 - 79.6m - Carbonate-flooded breccia with fuggy fracture-fill pyrite.
80						32	Camera orienation (@80m): Azimuth=096, Dip=-43
81	81.5	85.3	97			74	
82					V 45deg (c-py)	102	4cm wide carbonate vein with pyrite selvage.
83						90	@ 82.7 - 84.1 - Hematitic quartz spotting and clast replacement.
84						60	

614133

GEOLOGICAL LOG

DEPTH (m)	RECOVERY			CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
	From	To	%				
85	85.3	87.5	95			54	85.4 - 87.0 - Hematitic quartz spotting.
86					CV 58deg	39	
87	87.5	90.5	97			47	
88						70	
89						50	
90	90.5	93.5	100			40	
91						36	
92						40	
93	93.5	96.5	100			45	@ 93.2 - 93.5 - Pyrite +/- Chalcopyrite *stringers and irregular veinlets (to 10%)*
94						50	
95						38	Disseminated pyrite (+/- Chalcopyrite?) to 5%
96	96.5	99.5	100			43	
97						49	
98						40	
99	99.5	102.5	100			50	
100						35	99.7 - 101.2m - Intense carbonate (+/-talc-hem) alteration.
101						26	
102	102.5	105.5	97			42	
103						36	103.3 - Leached pale green rock leaching probably related to fault in 109.4.
104						49	
105	105.5	108.5	100			52	
106						39	
107						39	
108	108.5	111.5	57			42	
109						40	109.4 - 113.4 - Broken core + 2.7m core loss FAULT.
110						16	
111	111.5	114.5	43			-	@111m - CAVITY, NO CORE.
112						-	@112M - CAVITY, NO CORE.
113						8	
114	114.5	117.5	100			50	
115						30	
116						33	
117	117.5	120.5	100			29	

614134

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	To	%	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
118						28	
119						38	
120	120.5	123.4	100			35	
121						46	121.5 - 122.7 - Schistose quartz-chlorite-ser altered rock
122						32	122.7 - 123.0 - Carbonate - quartz filled breccia zone, host rock clasts angular.
123	123.4	126.5	100			49	
124						42	
125					CV 60deg	56	
126	126.5	129.5	97			28	
127						30	
128						39	
129						35	
130						50	130-131.15 - Chlorite-quartz altered host with brecciated carbonate-quartz clasts. FAULT. Camera Orientaion (@ 130m): Azimuth=096, Dip=-42.
131					V 47deg	35	
132	132.5	135.4	100		CV 45deg	-	LOST CORE.
133						40	
134						33	
135	135.4	138.5	100			66	
136						45	
137						46	
138	138.5	141.5	93			35	
139						40	139 - 140.3 - Broken core and puggy fault breccia. FAULT.
140						53	@139.0 - 147.5 - Irregular pyrite up to 10% @ 145.75. Pyrite predominantly with carbonate-quartz veins and also disseminated.
141	141.5	144.5	100			52	
142						60	
143						69	
144	144.5	147.5	100			59	

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
145						91	@ 145.3 - 151.1m - Increase in silicification - spotted hematitic quartz texture. Irregular c;y?? (to 1%), trace pyrite.
146						123	
147	147.5	150.5	100			73	
148						64	
149						42	
150	150.5	153.5	98			28	
151				**151.1 to 154.1m:** CARBONATE ALTERATION. Strong carbonate alteration, angular host rock fragments, trace pyrite.		26	
152						40	
153	153.5	156.5	100			40	
154				**154.1-156.4m:** FUCHSITE-CARBONATE ALTERATION. Pervasive fuchsite - carbonate - pyrite alteration.	CV 60deg	45	@ 154.1 - Fuchsite alteration first appears. Intense, pervasive to 156.4. *Fuchsite - carbonate +/- pyrite alteration assemblage.*
155						49	Sample for petrographic analysis @155.4 (GD1) and @155.6 (GD2).
156	156.5	159.5	100	**156.4-166.5m:** MAFIC VOLCANICLASTICS. Strongly chlorite altered lithic - volcanic siltstone, sandstone and breccia. Trace fuchsite alteration.		70	
157						53	
158						69	
159	159.5	162.5	100			50	
160						46	
161						59	
162	162.5	164.7	77		CV 61deg	11	
163						19	
164	164.7	165.5	12			16	
165	165.5	168.5	98			16	
166				**166.5 - 168.7m:** CARBONATE ALTERATION. Pervasive carbonate - quartz alteration, trace fg pyrite throughout.		29	
167						39	
168				**168.7-174.0m:** MAFIC VOLCANICLASTICS. Strongly chlorite altered lithic - volcanic siltstone, sandstone and breccia. Trace fuchsite alteration.		26	@ 168.7 - 175.0 - Fuchsite - carbonate alteration patchy.
169						21	

614136

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
170						33	
171	171.5	174.5	100		CV 55deg	18	
172						22	
173						32	
174	174.5	177.3	93			23	@ 174 - 175.1 - Broken core - FAULT.
175				**174.0-202.0m:** AUGEN SCHIST. Chloritic-sericitic feldspar-quartz augen schist.		30	Core commonly fragmented along cleavage planes.
176						26	
177	177.3	180.4	100			28	@ 177.0 - 177.3: Crushed core - FAULT.
178						43	
179						43	
180	180.4	183.5	95			36	Camera orientation (@180m): Azimuth=095, Dip=-41.
181						5	
182						36	
183	183.5	185.8	100			43	
184						64	
185	185.8	188.9	100			56	@ 185.3 - 185.8 - Broken core - FAULT.
186						25	
187						42	Sample for petrographic analysis @187.2 (GD 3).
188	188.9	192.0	100			28	
189						25	
190					CV 65deg	28	
191						33	
192	192.0	195.1	95			32	
193						30	
194						45	
195	195.1	197.9	100			38	
196						42	
197	197.9	199.5	100			36	
198					CV 50deg	45	
199	199.5	201.5	97		V 58deg (q-py)	35	@ 199.80m - Quartz vein with 5% pyrite-chalcopyrite? (199.8 - 200.0m sampled).
200						30	
201	201.5	204.5	100			25	

GEOLOGICAL LOG

DEPTH	RECOVERY			CORE DESCRIPTION	C.B/CV.A	MAGNETIC	COMMENTS
(m)	From	To	%		C.V.A	SUSCEPTIBILITY	
202				**202.0-296m:** RHYOLITIC VOLCANICLASTICS. Thickly bedded, poorly sorted volcanic (rhyolitic) lithic breccia. Interbeds of laminated black mudstone and fine grey sandstone. Carbonate-sericite-chlorite-pyrite altered.		8	
203				202.0-203.5m: Laminate black shale.		53	
204	204.5	207.5	100		B 80deg	33	
205						28	
206						23	
207	207.5	210.5	100			23	
208						43	
209						38	
210	210.5	213.5	100	210.4-213.45m: laminated black shale with thin pale grey-green fg grey sandstone interbeds.		12	
211						4	
212					B 65deg	11	
213	213.5	216.5	100	213.45-219.0m: Volcaniclastic (epiclastic) breccia (predominantly rhyolitic).		14	
214						39	
215						15	
216	216.5	219.5	100			5	
217						11	
218						8	@ 218.9m - Fuchsite altered clast in volcanic bx flow.
219	219.5	222.5	100	219.0-220.5m: Laminated black shale and fg grey sandstone.	CV-62deg	21	@ 218.9 - 219.0 - Fuchsite rock matrix.
220				220.5-222.4m: Epiclastic rhyolitic breccia.	B-74deg CV-74	22	
221						32	
222	222.5	225.5	100	222.4-223.2m: Laminated black shale and fg grey sandstone.		21	Sample for petrographic analysis @222.15 (GD 4).
223				223.2-230.7m: Epiclastic rhyolitic breccia.		29	
224						9	
225	225.5	228.5	100			28	
226						25	
227						26	
228	228.5	231.5	100			21	
229						18	

614138

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
230				230.7-253.6m: Green volcanic (predominantly rhyolitic?) lithicwacke/coarse sandstone to epiclastic breccia. Carbonate-sericite-chlorite-pyrite altered.		17	Camera orientation (@230m): Azimuth=097, Dip=-39.
231	231.5	234.5	100			28	
232						19	
233						16	
234	234.5	237.5	100			14	
235						24	
236						12	
237	237.5	240.5	100			29	
238						7	
239						14	
240	240.5	243.5	100			18	
241						26	
242						16	
243	243.5	246.5	100			35	
244						7	
245						30	
246	246.5	249.5	100			25	
247						21	
248						30	
249	249.5	252.5	100			38	
250						19	
251						22	
252	252.5	255.5	100			28	
253				253.6-255.0m: Laminated black shale, trace diagenetic pyrite.		21	
254						28	
255	255.5	258.5	100	255.0-296.0m: Polymict (predominantly rhyolitic) volcanic lithic epiclastic breccia. Carbonate-sericite-pryrite altered.		16	
256						11	
257						16	
258	258.5	261.5	100			19	
259						29	
260						4	
261	261.5	264.5	100			8	

614139

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	To	%	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
262						8	
263						7	
264	264.5	267.5	100			8	
265						4	
266						12	
267	267.5	270.5	100			0	
268						2	
269						12	
270	270.5	273.5	100			0	
271						14	
272						21	
273	273.5	275.6	100			11	
274						19	
275	275.6	277.7	95.2			29	
276						21	
277	277.7	283.7	100			9	
278						7	
279						25	
280						19	
281						6	
282						6	
283	283.7	286.8	100			21	
284						14	
285						12	
286	286.8	289.8	100			9	
287						4	
288						9	
289	289.8	293	100			8	
290						8	
291						7	
292						4	
293	293	296	100			1	
294						9	
295						36	
296				***296.0m: END OF HOLE.***		2	Camera orientation (@296m): Azimuth=103, Dip=-38.

614140

614141

DRILL LOG COVER SHEET

Project: Cape Sorell **Exploration Licence:** EL09/98

Prospect: Hill 99 **Hole Number:** H99-2

Co-ordinates: **E** 370225 **N** 5306150 **Logged by:** Sean Westbrook

RL Collar: 035ASL

Azimuth: 90m/77g

Inclination: -60deg

Depth: 255.5m

Hole Size:

	FROM	TO
HQ	0	52.8
NQ	52.8	255.5

Commenced:

Completed: 3 July 1999

Drillers: DDT - Matt Semmens

Drill Type: DT500

Comments:

GEOLOGICAL LOG

Project:	**Cape Sorell**	**Exploration Licence:**	**EL09/98**
Prospect:	**Hill 99**	**Hole Number:**	**H99-2**
Logged By:	**Sean Westbrook**		

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
0	0	3.0	45	**0-28.5m:** OXIDISED ZONE. (Gabbro?/Mafic Volcaniclastics?): Dark green-blue, strongly chloritic, medium grained rock of probable mafic precursor or equivalent epiclastic sediment.		30	
1						61	
2						18	
3	3.0	6.5	51			22	
4						45	
5						16	
6	6.5	9.5	100			15	~6.0 to 9.5m: epidote veining.
7						0	
8						2	
9	9.5	12.1	100			2	
10						2	General lack of any veining between 9.5-28.5m.
11						33	
12	12.1	13.0	67			187	
13	13.0	15.5	73			78	
14						11	
15	15.5	18.5	81			4	
16						15	
17						2	
18	18.5	21.5	57			36	
19						46	
20						33	
21	21.5	24.5	53			5	
22						4	
23						22	
24	24.5	27.2	100			33	
25						77	
26						36	
27	27.2	30.5	100			28	

61412

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
28				**28.5-124.6m:** MAFIC VOLCANICLASTICS. Chloritic-phyllic, green to green-grey, thickly bedded, massive medium to coarse grain volcanic-lithicwacke & volcanic-lithic breccia.Stockwork quartz-carbonate veining throughout (weak-strong intensities).		65	28.5-85.4m: Fine to medium grained volcanic lithicwacke.
29						67	
30	30.5	32.8	100			67	NOTE: Pink-red carbonate veining occurs throughout the core,predominantly before ~204.4m (start of highest fuchsite-carbonate zone).
31						56	
32	32.8	33.7	89			100	
33	33.7	35.8	100			92	
34						84	
35	35.8	38.8	93			101	
36						97	
37						111	
38	38.8	41.0	100			105	
39						187	
40						84	
41	41.0	44.1	100			108	
42						105	
43						152	
44	44.1	47.2	100		CV-45deg	109	
45						85	
46						121	
47	47.7	48.5	87			169	
48	48.5	51.5	100			176	
49						142	
50						104	
51	51.5	54.5	100			238	
52						145	
53						332	
54	54.5	57.5	100			122	
55						98	
56						128	Camera orientation (@56m): Azimuth=096, Dip=-56.
57	57.5	60.5	100			47	

61443

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	To	%	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
58						105	
59						100	
60	60.5	63.5	100			94	
61						116	
62						108	
63	63.5	66.5	100			97	
64						95	
65						83	
66	66.5	69.5	100			114	
67						116	
68						82	
69	69.5	72.5	100			133	
70						102	
71						108	
72	72.5	75.5	100			120	
73						119	
74						108	
75	75.5	78.5	100			113	
76						114	
77					CV-45deg	115	
78	78.5	81.5	100			119	
79						107	
80						70	
81	81.5	84.5	100			114	
82					V-45deg CV-65deg	88	Carbonate-quartz vein C.V.A. measured.
83						118	
84	84.5	87.5	100			118	
85						109	85.4-87.35: Mafic epiclastic breccia.
86						87	
87	87.5	90.5	100			77	87.35-88.65: Lithicwacke.
88						43	88.65-90.60: Mafic epiclastic breccia.
89						55	
90	90.5	93.5	100			54	90.60-95.4: Lithicwacke.
91						41	
92						40	
93	93.5	96.5	100		cv-55deg	42	
94						63	

61144

GEOLOGICAL LOG

DEPTH (m)	RECOVERY			CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
	From	To	%				
95						60	
96	96.5	99.5	100			64	
97						49	
98						40	
99	99.5	102.5	100			52	
100						85	
101						51	
102	102.5	105.5	100			83	
103						92	
104						73	
105	105.5	108.5	100			66	
106						56	
107						57	
108	108.5	111.5	100			80	
109						52	
110						35	
111	111.5	114.5	100			38	
112						62	
113						43	
114	114.5	117.5	100			118	
115						60	
116						51	
117	117.5	120.5	100			90	
118						30	
119						53	
120	120.5	123.5	100			45	Camera orientation (@120m): Azimuth=100, Dip=-57.
121						5	
122						8	
123	123.5	125.7	73			32	
124				**124.60-128.20m:** FAULT. Broken and missing core.	CV-40deg	NO CORE	
125	125.7	126.5	100			9	
126	126.5	129.5	83			32	
127						16	
128						60	
129	129.5	132.5	100	**128.20-185.6m:** BASALT?. Dark green, massive, fine to medium grained, chloritic rock with subordinate disseminated magnetite.	CV-51deg	22	129.7-157.5: Frequent epidote veining.

61145

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
130						67	129.0-185.6: Spotted cream-brown rutile.
131						19	
132	132.5	135.5	100			28	
133						42	
134						32	
135	135.5	138.5	100			25	
136						1750	
137						74	
138	138.5	141.5	100			202	
139						186	
140						1548	
141	141.5	144.5	100			205	
142						43	
143						23	
144	144.5	147.5	100			1562	
145						42	
146						2150	
147	147.5	150.5	100			57	Camera orientation (@147m): Azimuth=099, Dip=-57.
148						50	
149						956	
150	150.5	153.5	100			47	
151						1035	
152					CV-60deg CV-40deg	2492	
153	153.5	156.5	100			2790	
154						1927	
155						2600	Sample for petrographic analysis @154.97 - d green basalt?, magnetic rock with eoidote vng.
156	156.5	159.5	100			364	
157						38	
158						23	
159	159.5	162.5	100			88	
160						25	
161						22	
162	162.5	165.0	100			56	
163						23	

614146

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	To	%	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
164					CV-38deg	32	
165	165.0	168.1	100			7	
166						20	
167						5	
168	168.1	171.2	100			40	@168.2m: Specular hematite +/- magnetite with carbonate vein.
169						53	
170						73	
171	171.2	174.2	100			18	
172						39	Sample for petrographic analysis @172.52 - spotted rutile altn.
173						18	
174	174.2	177.3	100			5	
175						45	
176						45	
177	177.3	180.4	100			36	
178					CV-35deg	30	
179					CV-65deg CV-45deg	32	
180	180.4	183.5	100			18	
181						59	
182						7	
183	183.5	186.5	100		CV-60deg CV-40deg	47	
184						11	
185						11	
186	186.5	189.5	100	**185.6-204.4m:** MAFIC VOLCANICLASTICS. Chloritic mafic derived volcanic lithic epiclastic sediment. Weak to moderate qtz-carbonate veining. Heamatitic silicified clasts.		28	
187						12	
188						11	
189	189.5	192.5	100			5	
190						28	
191						42	
192	192.5	195.5	100			43	
193					CV-35deg	35	
194						42	

61147

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
195	195.5	198.5	100			30	
196						60	
197						76	
198	198.5	201.5	100			43	
199						102	
200						92	Camera orientation (@200m): Azimuth: 099, Dip=-55.
201	201.5	203.5	90			36	
202						66	
203	203.5	204.3	100			60	
204	204.3	205.7	93	**204.4-210.5m:** FUCHSITE-CARBONATE ALTERATION ZONE. Moderate-intense fuchsite - carbonate - pyrite alteration zone.		25	
205	205.7	208.8	100			9	
206						36	
207						2	
208	208.8	211.9	100		CV-68deg	0	
209						0	
210				**210.5-226.8m:** MAFIC VOLCANICLASTICS. Chloritic mafic derived volcanic lithic epiclastic sediment. Weak to moderate qtz-carbonate veining. Heamatitic silicified clasts.	CV-40deg	92	@210.5 to approx 227.2m: Generally increased silicic alteration of core with localised (selective?) hematite-qtz altn. Selective qtz-hem replacement is indicated by pink-purple qtz-hem haloes around dark green clasts + also pervasive altn of other clasts. minor pyrite is associated with the qtz-hem altn.
211	211.9	214.3	92			66	
212						23	
213						30	
214	214.3	216.3	100			29	
215						18	
216	216.3	218.5	95			50	
217						45	@218.4-218.8m: Quartz veining with up to 10% pyrite-chalcopyrite?
218	218.5	219.8	100			45	Sample for petrographic analysis @218.72 - qtz-carbonate-pyrite-cpy vein.
219	219.8	222.5	96			26	
220						39	

614143

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
221						28	
222	222.5	225.5	100			38	Sample for petrographic analysis @ 221.1 - qtz-hem altn.
223						26	
224						30	
225	225.5	228.5	90			8	
226				**226.8-227.15m:** Silicified hematite-magnetite-pyrite horizon/vein.		1227	Sample for petrographic analysis @226.96 - siliceous hem-magnetite band.
227				**227.15-236.15m:** RHYOLITIC VOLCANICLASTICS. Laminated pale green siltstone with thin interbeds of green-grey rhyolitic-lithicwacke .	V-47deg CV-47deg	30	
228	228.5	231.5	97		B-56deg	15	
229						1	
230						223	
231	231.5	234.5	100		B-55deg	32	
232						12	
233						1266	
234	234.5	237.5	100			1520	
235						2	
236				**236.15-239.0m:** AUGEN SCHIST. Moderately schistose med-coarse grain lithicwacke containing feldspar and qtz augens.		5	
237	237.5	239.6	90		CV-67deg	2	
238						19	
239	239.6	240.7	100	**239.0-246.3m:** RHYOLITIC VOLCANICLASTICS. Medium grain, massive volcanic (rhyolitic)-lithicwacke.		18	
240	240.7	243.5	100			2	
241						0	
242						0	
243	243.5	246.2	100			0	
244						0	
245						1	
246	246.2	248.2	100	**246.3-247.5m:** FUCHSITE-CARBONATE ALTERATION. Intense and pervasive fuchsite-carbonate-pyrite alteration.		0	
247				**247.5-255.50m:** Volcanic-Lithic BX and wacke with interbeds of black shale.		0	NOTE: Variably weak to moderate fuchsite alteration present in core between 244.5 and 252.2m

614149

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
248	248.2	251.3	100			0	
249					CV-40deg	0	
250						21	Camera orientation (@250m): Azimuth: 106, Dip=-51.
251	251.3	252.4	100		CV-50deg CV-79deg	28	
252	252.4	255.5	100			5	
253						21	
254						12	
255				**255.50m: END OF HOLE**			

614150

614151

DRILL LOG COVER SHEET

Project: Cape Sorell **Exploration Licence:** EL09/98
Prospect: Hill 99 **Hole Number:** H99-3
Co-ordinates: **E** 370225 **N** 5306150 **Logged by:** Sean Westbrook

RL Collar: 035ASL

Azimuth: 270m/257g
Inclination: -45deg
Depth: 117.3m

Hole Size:

	FROM	TO
HQ	0	52.8
NQ	52.8	117.3

Commenced: 04 July 1999
Completed: 30 July 1999
Drillers: DDT - Matt Semmens
Drill Type: DT500
Comments:

GEOLOGICAL LOG

Project:	**Cape Sorell**	**Exploration Licence:**	**EL09/98**
Prospect:	**Hill 99**	**Hole Number:**	**H99-3**
Logged By:	**Sean Westbrook**		

DEPTH (m)	RECOVERY			CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
	From	To	%				
0	0	5.5	24	**0-41.2M:** GABBRO-DIORITE. Massive, coarse to medium grain, granular, dark green porphyritic gabbro - diorite? Strongly chlorite altered. Disseminated trace euhedral pyrite throughout.		0	0-10.5m: Oxidised, chloritic (s) gabbro with disseminated pyrite and disseminated magnetite. Iron oxide staining & "fase gossan" due to oxidation and leaching. Disseminated magnetite @ 0m to ~19m.
1						0	
2						0	
3						0	
4						0	
5	5.5	7.5	65			0	
6						0	
7	7.5	12.8	79			0	
8						1886	
9						25	
10						0	
11						9	
12	12.8	14.5	76			28	
13						2385	
14	14.5	15.0	100			322	
15	15.0	17.5	100			538	
16						3935	
17	17.5	19.5	100			63	
18						3098	
19	19.5	22.4	86			11	
20						52	
21						36	
22	22.4	24.0	100		CV-40deg	25	
23						73	
24	24.0	25.8	100			16	
25	25.8	29.5	100			129	
26						39	
27						311	
28						160	
29	29.5	32.5	100			417	

614152

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
30						25	
31						85	
32	32.5	33.7	100			156	
33	33.7	36.0	95			4	
34						18	
35						0	
36	36.0	38.3	100			11	
37					CV-45deg	36	
38	38.3	41.4	100			33	
39						32	
40						49	
41	41.4	43.6	100	**41.2-90.9m**: CHLORITE-FUCHSITE PSEUDOBRECCIA. Schistose gabbro-diorite pseudobreccia ie, blocky fuchsite +/- chlorite altered gabbro/diorite clasts in chloritic schistose matrix.		32	
42						23	
43	43.6	45.5	100			14	
44						22	
45	45.5	48.6	100			4	
46						16	
47					CV-30deg CV-45deg	7	Dominanat cleavage core-CV angle is ~30deg. The cleavage angle of ~40-45deg is usually only recognised by breaks in the core. 30deg CV is dominant visual CV.
48	48.6	50.5	100			16	
49						0	
50	50.5	52.8	100			0	Camera Orientation (@50m): Azimuth=273, Dip=-46.
51						8	
52	52.8	53.5	86			19	
53	53.5	56.5	100		CV-40deg CV-33deg	14	@ ~53.6m: Carbonate vein x-cutting cleavage & fuchsite altd clast.
54						47	
55						7	
56	56.5	61.0	100			1	
57					CV-45deg	0	
58						2	
59						9	

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	RECOVERY To	RECOVERY %	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
60						2	
61	61.0	62.5	93			23	
62	62.5	64.9	100			7	
63						26	
64	64.9	67.6	100			5	
65						2	
66						16	
67	67.6	70.0	92			25	
68						8	
69						1	
70	70.0	72.7	100			4	
71						11	
72	72.7	75.8	100			0	
73					CV-30deg	19	
74						21	
75	75.8	78.9	100			2	
76						14	
77						1	
78	78.9	81.5	100			0	
79						12	
80						0	
81	81.5	84.5	100			0	
82						1	
83						14	
84	84.5	87.0	100			16	
85						2	
86					CV-30deg CV-45deg	1	
87	87.0	90.1	100			5	87.10 - 90.90: Gabbro-sediment contact: gabbro (diorite?) appears to interfinger with chloritised sediment.
88						21	88.12 - 88.35: Pyrite-chalcopyrite blebs(10-30%) display ductile deformation to be stretched parallel with dominant CV.
89						12	
90	90.1	92.4	91	**90.9-92.04**: MASSIVE CARBONATE ALTERATION. Grey-white siliceous carbonate (dolomite) pervasive alteration with disseminated fg pyrite throughout.		0	

61415

GEOLOGICAL LOG

DEPTH (m)	RECOVERY From	To	%	CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
91						42	
92	92.4	95.5	100	**92.04-97.25:** FUCHSITE ALTERATION. Intense fuchsite altered pseudo breccia? Diorite or volcaniclastic?? Trace fine grain pyrite throughout.	CV-43deg CV-26deg	1	
93					CV-30deg	0	
94						2	
95	95.5	98.0	100			0	
96						7	96.35-96.65m: Quartz-carbonate +/- sphalerite-galena-pyrite (to 5%) veining. Sulphide bearing veins occur with most intense fuchsite alteration.
97				**97.25-98.4:** MASSIVE CARBONATE ALTERATION. Siliceous(s) pervasive carbonate alteration with subordinate talc and fuchsite.		2	
98	98.0	100.3	100	**98.4-101.15m:** SHEARED GRAPHITIC SHALE. Brecciated & sheared quartz-carbonate veined graphitic shale silicifed (m-s)		0	98.4-101.15m: (Sheared carb-qtz veined graphitic shale) veins are stretched and boudinaged // to the dominant cleavage/schistosity. This zone flanks the shear. NB: 30cm zone of pyrite clasts from 98.4m.
99					CV-40deg CV-30deg	21	
100	100.3	103.4	97			5	
101				**101.15-117.3m:** SHEAR ZONE. Chloritic schist and puggy clay.		30	
102						1	
103	103.4	106.5	100			19	
104						2	
105					CV-27deg CV-35deg	18	
106	106.5	109.5	100			5	
107						4	
108						11	
109	109.5	111.0	100			9	
110						1	
111	111.0	113.5	72		CV-30deg	0	
112						0	
113	113.5	116.5	69			0	

614155

GEOLOGICAL LOG

DEPTH (m)	RECOVERY			CORE DESCRIPTION	C.B/CV.A C.V.A	MAGNETIC SUSCEPTIBILITY	COMMENTS
	From	To	%				
114						0	
115						0	
116	116.5	117.3	72			1	116.5-117.0: Strongly chloritic altered and siliceous gabbro/dolerite relicts within chloritic schist.
117				**117.3m**: END OF HOLE		0	

614157

Appendix 6

Magnetic Susceptibility Logs for H99-1, H99-2 and H99-3

614158

MAGNETIC SUSCEPTIBILITY LOG

Project: Cape Sorell **Exploration Licence:** EL09/98

Prospect: Hill 99 **Hole Number:** H99-1

Logged by: Sean Westbrook

Depth	Magnetic Susceptibility	Comments
1	1	
2	1	
3	8	
4	12	
5	39	
6	36	
7	35	
8	43	
9	29	
10	22	
11	29	
12	40	
13	18	
14	139	
15	66	
16	8	
17	25	
18	35	
19	49	
20	73	
21	33	
22	49	
23	47	
24	92	
25	78	
26	35	
27	19	
28	11	
29	8	
30	18	Camera orientation (@30m): Azimuth=093, Dip=-44.
31	4	
32	21	

Project: Cape Sorell
Prospect: Hill 99
Logged by: Sean Westbrook

Exploration Licence: EL09/98
Hole Number: H99-1

Depth	Magnetic Susceptibility	Comments
33	60	
34	33	
35	46	
36	23	
37	21	
38	36	
39	29	
40	19	
41	29	
42	28	
43	30	
44	15	
45	88	
46	14	@ 46.5 to 48.0 - light to moderate pale green rock with disseminated rutile clots.
47	12	
48	32	
49	36	
50	57	
51	49	
52	36	
53	25	
54	26	
55	29	
56	21	
57	38	
58	43	
59	40	
60	52	
61	52	
62	53	
63	46	
64	36	
65	38	
66	35	
67	39	

614160

Project: Cape Sorell **Exploration Licence:** EL09/98
Prospect: Hill 99 **Hole Number:** H99-1
Logged by: Sean Westbrook

Depth	Magnetic Susceptibility	Comments
68	42	
69	23	
70	16	
71	16	
72	52	
73	25	
74	43	
75	1473	
76	39	
77	49	
78	47	
79	21	@ 79.25 - 79.6m - Carbonate-flooded breccia with fuggy fracture-fill pyrite.
80	32	Camera orientation (@80m): Azimuth=096, Dip=-43
81	74	
82	102	4cm wide carbonate vein with pyrite selvage.
83	90	@ 82.7 - 84.1 - Hematitic quartz spotting and clast replacement.
84	60	
85	54	85.4 - 87.0 - Hematitic quartz spotting.
86	39	
87	47	
88	70	
89	50	
90	40	
91	36	
92	40	
93	45	@ 93.2 - 93.5 - Pyrite +/- Chalcopyrite stringers and irregular veinlets (to 10%)
94	50	
95	38	Disseminated pyrite (+/- Chalcopyrite?) to 5%
96	43	
97	49	
98	40	
99	50	
100	35	99.7 - 101.2m - Intense carbonate (+/-talc-hem) alteration.
101	26	
102	42	

614161

Project: Cape Sorell **Exploration Licence:** EL09/98
Prospect: Hill 99 **Hole Number:** H99-1
Logged by: Sean Westbrook

Depth	Magnetic Susceptibility	Comments
103	36	103.3 - Leached pale green rock leaching probably related to fault in 109.4.
104	49	
105	52	
106	39	
107	39	
108	42	
109	40	109.4 - 113.4 - Broken core + 2.7m core loss - FAULT.
110	16	
111	-	@111m - CAVITY, NO CORE.
112	-	@112M - CAVITY, NO CORE.
113	8	
114	50	
115	30	
116	33	
117	29	
118	28	
119	38	
120	35	
121	46	121.5 - 122.7 - Schistose quartz-chlorite-ser altered rock
122	32	122.7 - 123.0 - Carbonate - quartz filled breccia zone, host rock clasts angular.
123	49	
124	42	
125	56	
126	28	
127	30	
128	39	
129	35	
130	50	130-131.15 - Chlorite-quartz altered host with brecciated carbonate-quartz clasts. FAULT. Camera orientation (@130m): Azimuth=096, Dip=-42.
131	35	
132	-	LOST CORE.
133	40	
134	33	
135	66	
136	45	

Project: Cape Sorell **Exploration Licence:** EL09/98
Prospect: Hill 99 **Hole Number:** H99-1
Logged by: Sean Westbrook

Depth	Magnetic Susceptibility	Comments
137	46	
138	35	
139	40	
140	53	139 - 140.3 - Broken core and puggy fault breccia. FAULT.
141	52	
142	60	@ 139.0 - 147.5 - Irregular pyrite up to 10% @ 145.75. Pyrite predominantly with carbonate-quartz veins and also disseminated.
143	69	
144	59	
145	91	@ 145.3 - 151.1m - Increase in silicification - spotted hematitic quartz texture. Irregular c;y?? (to 1%), trace pyrite.
146	123	
147	73	
148	64	
149	42	
150	28	
151	26	
152	40	
153	40	
154	45	@ 154.1 - Fuchsite alteration first appears. Intense, pervasive to 156.4. *Fuchsite - carbonate +/- pyrite alteration assemblage.*
155	49	Sample for petrographic analysis @ 155.4 (GD!) and @ 155.6 (GD2).
156	70	
157	53	
158	69	
159	50	
160	46	
161	59	
162	11	
163	19	
164	16	
165	16	
166	29	
167	39	
168	26	@ 168.7 - 175.0 - Fuchsite - carbonate alteration patchy.
169	21	

614163

Project: Cape Sorell **Exploration Licence:** EL09/98
Prospect: Hill 99 **Hole Number:** H99-1
Logged by: Sean Westbrook

Depth	Magnetic Susceptibility	Comments
170	33	
171	18	
172	22	
173	32	
174	23	@ 174 - 175.1 - Broken core - FAULT.
175	30	Core commonly fragmented along cleavage planes.
176	26	
177	28	@ 177.0 - 177.3: Crushed core - FAULT.
178	43	
179	43	
180	36	Camera orientation (@180m): Azimuth=095, Dip=-41.
181	5	
182	36	
183	43	
184	64	
185	56	@ 185.3 - 185.8 - Broken core - FAULT.
186	25	
187	42	Sample for petrographic analysis @ 187.2 (GD3).
188	28	
189	25	
190	28	
191	33	
192	32	
193	30	
194	45	
195	38	
196	42	
197	36	
198	45	
199	35	@ 199.80m - Quartz vein with 5% pyrite-chalcopyrite? (199.8 - 200.0m sampled).
200	30	
201	25	
202	8	
203	53	
204	33	

614164

Project: Cape Sorell **Exploration Licence:** EL09/98
Prospect: Hill 99 **Hole Number:** H99-1
Logged by: Sean Westbrook

Depth	Magnetic Susceptibility	Comments
205	28	
206	23	
207	23	
208	43	
209	38	
210	12	
211	4	
212	11	
213	14	
214	39	
215	15	
216	5	
217	11	
218	8	@ 218.9m - Fuchsite altered clast in volcanic bx flow.
219	21	@ 218.9 - 219.0 - Fuchsite rock matrix.
220	22	
221	32	
222	21	Sample for petrographic analysis @222.15 (GD4).
223	29	
224	9	
225	28	
226	25	
227	26	
228	21	
229		Camera orientation (@230m): Azimuth=097, Dip=-39.
230		
231		
232		
233		
234		
235		
236		
237		
238		
239		

Project: Cape Sorell

Exploration Licence: EL09/98

Prospect: Hill 99

Hole Number: H99-1

Logged by: Sean Westbrook

Depth	Magnetic Susceptibility	Comments
240		
241		
242		
243		
244		
245		
246		
247		
248		
249		
250		
251		
252		
253		
254		
255		
256		
257		
258		
259		
260		
261		
262		
263		
264		
265		
266		
267		
268		
269		
270		
271		
272		
273		
274		

614166

Project: Cape Sorell **Exploration Licence:** EL09/98
Prospect: Hill 99 **Hole Number:** H99-1
Logged by: Sean Westbrook

Depth	Magnetic Susceptibility	Comments
275		
276		
277		
278		
279		
280		
281		
282		
283		
284		
285		
286		
287		
288		
289		
290		
291		
292		
293		
294		
295		
296		296.0 END OF HOLE Camera orientation (@296m): Azimuth=103, Dip=-38.

614167

MAGNETIC SUSCEPTIBILITY LOG

Project: Cape Sorell **Exploration Licence:** EL09/98

Prospect: Hill 99 **Hole Number:** H99-2

Logged by: Sean Westbrook

Depth	Magnetic Susceptibility	Comments
0	30	
1	61	
2	18	
3	22	
4	45	
5	16	
6	15	@ ~6.0 to 9.5m - epidote veining.
7	0	
8	2	
9	2	
10	2	General lack of any veining between 9.5-28.5m.
11	33	
12	187	
13	78	
14	11	
15	4	
16	15	
17	2	
18	36	
19	46	
20	33	
21	5	
22	4	
23	22	
24	33	
25	77	
26	36	
27	28	
28	65	28.5-85.4m: Fine to medium grained volcanic lithicwacke.
29	67	
30	67	NOTE: Pink+reddish carbonate veining occurs throughout the core,predominantly below ~204.4m (start of highest fuchsite-carbonate zone). The pinkish colour is thought to be due to hematite (NB: Specular hem with carbonate veining @168.2m)

Project: Cape Sorell
Exploration Licence: EL09/98
Prospect: Hill 99
Hole Number: H99-2
Logged by: Sean Westbrook

Depth	Magnetic Susceptibility	Comments
31	56	and not because of manganese (rhodocrosite). NB: Carbonate veins ar dolomite.
32	100	
33	92	
34	84	
35	101	
36	97	
37	111	
38	105	
39	187	
40	84	
41	108	
42	105	
43	152	
44	109	
45	85	
46	121	
47	169	
48	176	
49	142	
50	104	
51	238	
52	145	
53	332	
54	122	
55	98	
56	128	Camera orientation (@56m): Azimuth=096, Dip=-56.
57	47	
58	105	
59	100	
60	94	
61	116	
62	108	
63	97	
64	95	
65	83	

Project: Cape Sorell
Prospect: Hill 99
Logged by: Sean Westbrook

Exploration Licence: EL09/98
Hole Number: H99-2

Depth	Magnetic Susceptibility	Comments
66	114	
67	116	
68	82	
69	133	
70	102	
71	108	
72	120	
73	119	
74	108	
75	113	
76	114	
77	115	
78	119	
79	107	
80	70	
81	114	
82	88	Carbonate-quartz vein C.V.A. measured.
83	118	
84	118	
85	109	85.4-87.35: Mafic epiclastic breccia.
86	87	
87	77	87.35-88.65: Lithicwacke.
88	43	88.65-90.60: Mafic epiclastic breccia.
89	55	
90	54	90.60-95.4: Lithicwacke.
91	41	
92	40	
93	42	
94	63	
95	60	
96	64	
97	49	
98	40	
99	52	
100	85	

614170

Project: Cape Sorell **Exploration Licence:** EL09/98
Prospect: Hill 99 **Hole Number:** H99-2
Logged by: Sean Westbrook

Depth	Magnetic Susceptibility	Comments
101	51	
102	83	
103	92	
104	73	
105	66	
106	56	
107	57	
108	80	
109	52	
110	35	
111	38	
112	62	
113	43	
114	118	
115	60	
116	51	
117	90	
118	30	
119	53	
120	45	Camera orientation (@120m): Azimuth=100, Dip=-57.
121	5	
122	8	
123	32	
124	NO CORE	
125	9	
126	32	
127	16	
128	60	
129	22	129.7-157.5: Frequent epidote veining.
130	67	129.0-185.6: Spotted cream-brown rutile.
131	19	
132	28	
133	42	
134	32	
135	25	

614171

Project: Cape Sorell **Exploration Licence:** EL09/98
Prospect: Hill 99 **Hole Number:** H99-2
Logged by: Sean Westbrook

Depth	Magnetic Susceptibility	Comments
136	1750	
137	74	
138	202	
139	186	
140	1548	
141	205	
142	43	
143	23	
144	1562	
145	42	
146	2150	
147	57	Camera orientation (@147m): Azimuth=099, Dip=-57.
148	50	
149	956	
150	47	
151	1035	
152	2492	
153	2790	
154	1927	
155	2600	Sample for petrographic analysis @ 154.97 - dark green basalt?, magnetic rock with epidote veining.
156	364	
157	38	
158	23	
159	88	
160	25	
161	22	
162	56	
163	23	
164	32	
165	7	
166	20	
167	5	
168	40	@168.2m: Specular hematite +/- magnetite with carbonate vein.
169	53	

614172

Project: Cape Sorell **Exploration Licence:** EL09/98
Prospect: Hill 99 **Hole Number:** H99-2
Logged by: Sean Westbrook

Depth	Magnetic Susceptibility	Comments
170	73	
171	18	
172	39	Sample for petrographic analysis @ 172.52 - spotted rutile alteration.
173	18	
174	5	
175	45	
176	45	
177	36	
178	30	
179	32	
180	18	
181	59	
182	7	
183	47	
184	11	
185	11	
186	28	
187	12	
188	11	
189	5	
190	28	
191	42	
192	43	
193	35	
194	42	
195	30	
196	60	
197	76	
198	43	
199	102	
200	92	Camera orientation (@200m): Azimuth: 099, Dip=-55.
201	36	
202	66	
203	60	
204	25	

614173

Project: Cape Sorell **Exploration Licence:** EL09/98
Prospect: Hill 99 **Hole Number:** H99-2
Logged by: Sean Westbrook

Depth	Magnetic Susceptibility	Comments
205	9	@210.5 to approx 227.2m: Generally increased silicic alteration of core with localised (selective?) hematite-qtz aln this altn is strongest @226.8-227.2mk where a qtz0hem (jasper), magnetite-pyrite veined band occurs (this band contains wall rock
206 contains	36	clasts indicating it is an epigenetic feature) NB - The jasper-magnetite-pyrite band carbonate veining.
207	2	- selective qtz-hem replacement is indicated by pink-purple qtz-hem haloes around dark green clasts + also pervasive altn of other clasts.
208	0	- minor pyrite is associated with the qtz-hem altn.
209	0	
210	92	@210.5 to approx 227.2m: Generally increased silicic alteration of core with localised (selective?) hematite-qtz aln this altn is strongest @226.8-227.2mk where a qtz0hem (jasper), magnetite-pyrite veined band occurs (this band contains wall rock
211 contains	66	clasts indicating it is an epigenetic feature) NB - The jasper-magnetite-pyrite band carbonate veining.
212	23	- selective qtz-hem replacement is indicated by pink-purple qtz-hem haloes around dark green clasts + also pervasive altn of other clasts.
213	30	- minor pyrite is associated with the qtz-hem altn.
214	29	
215	18	
216	50	
217	45	
218	45	@218.4-218.8m: Quartz veining with up to 10% pyrite-chalcopyrite? Sample for petrographic analysis @218.72 - quartz-carbonate-pyrite=cpy vein.
219	26	
220	39	
221	28	
222	38	Sample for petrographic analysis @ 221.1 - quartz-hem alteration.
223	26	
224	30	
225	8	
226	1227	Sample for petrographic analysis @226.96 - siliceous hem-magnetite band.
227	30	
228	15	
229	1	
230	223	
231	32	
232	12	
233	1266	
234	1520	

Project: Cape Sorell

Prospect: Hill 99

Logged by: Sean Westbrook

Exploration Licence: EL09/98

Hole Number: H99-2

Depth	Magnetic Susceptibility	Comments
235	2	
236	5	
237	2	
238	19	
239	18	
240	2	
241	0	
242	0	
243	0	
244	0	
245	1	
246	0	
247	0	NOTE: Variably weak to moderate fuchsite alteration present in core between 244.5 and 252.2m.
248	0	
249	0	
250	21	Camera orientation (@250m): Azimuth: 106, Dip=-51.
251	28	
252	5	
253	21	
254	12	
255		END OF HOLE

MAGNETIC SUSCEPTIBILITY LOG

Project: Cape Sorell **Exploration Licence:** EL09/98
Prospect: Hill 99 **Hole Number:** H99-3
Logged by: Sean Westbrook

Depth	Magnetic Susceptibility	Comments
0	0	0-10.5m: Oxidised chloritic (s) gabbro with disseminated pyrite and disseminated magnetite. - Iron oxides & "fase gossan" due to oxidation and leaching - disseminated magnetite @ 0m to ~19m.
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	1886	
9	25	
10	0	
11	9	
12	28	
13	2385	
14	322	
15	538	
16	3935	
17	63	
18	3098	
19	11	
20	52	
21	36	
22	25	
23	73	
24	16	
25	129	
26	39	
27	311	
28	160	
29	417	
30	25	

Project: Cape Sorell **Exploration Licence:** EL09/98
Prospect: Hill 99 **Hole Number:** H99-3
Logged by: Sean Westbrook

Depth	Magnetic Susceptibility	Comments
31	85	
32	156	
33	4	
34	18	
35	0	
36	11	
37	36	
38	33	
39	32	
40	49	
41	32	
42	23	
43	14	
44	22	
45	4	
46	16	
47	7	Dominanat cleavage core-CV angle is ~30deg. The cleavage angle of ~40-45deg is usually only recognised by breaks in the core. 30deg CV is dominant visual Cu.
48	16	
49	0	
50	0	Camera orientation (@50m): Azimuth=273, Dip=-46.
51	8	
52	19	
53	14	@ ~53.6m: Carbonate vein x-cutting cleavage & fuchsite altd clast.
54	47	
55	7	
56	1	
57	0	
58	2	
59	9	
60	2	
61	23	
62	7	
63	26	
64	5	

614177

Project: Cape Sorell | **Exploration Licence:** EL09/98
Prospect: Hill 99 | **Hole Number:** H99-3
Logged by: Sean Westbrook

Depth	Magnetic Susceptibility	Comments
65	2	
66	16	
67	25	
68	8	
69	1	
70	4	
71	11	
72	0	
73	19	
74	21	
75	2	
76	14	
77	1	
78	0	
79	12	
80	0	
81	0	
82	1	
83	14	
84	16	
85	2	
86	1	
87	5	87.10 - 90.90: Gabbro-sediment contact: gabbro (diorite?) appears to interfinger with chloritised sediment.
88	21	88.12 - 88.35: Pyrite-chalcopyrite blebs display ductile deformation to be stretched parallel with dominant CV.
89	12	
90	0	
91	42	
92	1	
93	0	
94	2	
95	0	
96	7	96.35-96.65m: Quartz-carbonate +/- sphalerite-galena-pyrite (to5%) veining. Sulphide bearing veins occur with most intense fuchsite alteration.
97	2	

014178

Project: Cape Sorell **Exploration Licence:** EL09/98

Prospect: Hill 99 **Hole Number:** H99-3

Logged by: Sean Westbrook

Depth	Magnetic Susceptibility	Comments
98	0	98.4-101.15m: (Sheared carb-qtz veined graphitic shale) veins are stretched and boudinaged // to the dominant cleavage/schistosity. This zone flanks the shear. NB: 30cm zone of pyrite clasts from 98.4m.
99	21	
100	5	
101	30	
102	1	
103	19	
104	2	
105	18	
106	5	
107	4	
108	11	
109	9	
110	1	
111	0	
112	0	
113	0	
114	0	
115	0	
116	1	116.5-117.0: Strongly chloritic altered and siliceous gabbro/dolerite relicts within chloritic schist.
117	0	

Appendix 7

Assays for PC-1, PC-2 and PC-3

ASSAYS

Project: Cape Sorell **Prospect:** Pelias Cove **Exploration Licence:** EL10/97 **Hole Number:** PC-1

Sample Number	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
		Units	ppm	ppm			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm							
		Detection Limit	0.01	0.01			4	2	5	3	4	2	2	1	1							
		Method	F630	F630			A104	A102	A104	A102	A104	A102	A104	A102	H104							
6260001	89.3	90.0	-0.01	-			31	-	15	-	37	-	-2	-	3							
6260002	90.0	91.0	-0.01	-			43	-	14	-	38	-	-2	-	1							
6260003	91.0	92.0	-0.01	-			39	-	14	-	39	-	-2	-	7							
6260004	92.0	93.0	-0.01	-			23	18	15	3	25	22	-2	-1	2							
6260005	99.0	100.0	-0.01	-			42	-	16	-	14	-	-2	-	-1							
6260006	100.0	100.65	-0.01	-			26	-	13	-	27	-	-2	-	-1							
6260007	100.65	102.0	-0.01	-			32	-	14	-	35	-	-2	-	5							
6260008	102.0	103.0	-0.01	-			56	-	16	-	56	-	-2	-	12							
6260009	103.0	104.0	-0.01	-			56	-	13	-	36	-	-2	-	7							
6260010	104.0	105.0	-0.01	-0.01			18	-	14	-	35	-	-2	-	-1							
6260011	105.0	106.0	-0.01	-			14	-	13	-	28	-	-2	-	-1							
6260012	106.0	107.0	-0.01	-			28	-	26	-	33	-	-2	-	5							
6260013	107.0	108.0	-0.01	-			12	-	15	-	27	-	-2	-	7							
6260014	108.0	109.0	-0.01	-			21	21	12	3	37	44	-2	-1	-1							
6260015	109.0	110.0	-0.01	-			18	-	17	-	54	-	-2	-	-1							
6260016	110.0	111.0	-0.01	-			22	-	24	-	46	-	-2	-	29							
6260017	111.0	112.0	-0.01	-0.01			25	-	20	-	39	-	-2	-	28							
6260018	112.0	113.0	-0.01	-			31	-	16	-	41	-	-2	-	22							
6260019	113.0	114.0	-0.01	-			33	-	20	-	36	-	-2	-	30							
6260020	114.0	115.0	-0.01	-			27	-	17	-	25	-	-2	-	8							
6260021	115.0	116.0	-0.01	-			83	-	21	-	32	-	-2	-	22							
6260022	116.0	117.0	-0.01	-			21	-	14	-	18	-	-2	-	-1							
6260023	117.0	118.0	-0.01	-			28	-	12	-	89	-	-2	-	6							
6260024	118.0	119.0	-0.01	-			17	-	9	-	22	-	-2	-	2							
6260025	119.0	120.0	-0.01	-			16	-	8	-	13	-	-2	-	1							
6260026	120.0	121.0	-0.01	-			13	10	8	-3	16	116	-2	-1	-1							
6260027	121.0	122.0	-0.01	-			11	-	8	-	30	-	-2	-	-1							

614180

Sample Number	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
		Units	ppm	ppm			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm							
		Detection Limit	0.01	0.01			4	2	5	3	4	2	2	1	1							
		Method	F630	F630			A104	A102	A104	A102	A104	A102	A104	A102	H104							
6260028	122.0	123.0	-0.01	-0.01			12	-	11	-	63	-	-2	-	-1							
6260029	123.0	124.0	-0.01	-			10	-	12	-	13	-	-2	-	4							
6260030	124.0	125.0	-0.01	-			15	-	13	-	6	-	-2	-	-1							
6260031	125.0	126.0	-0.01	-0.01			11	-	8	-	-4	-	-2	-	-1							
6260032	126.0	127.0	-0.01	-			6	-	9	-	-4	-	-2	-	-1							
6260033	127.0	128.0	0.02	-			10	-	7	-	11	-	-2	-	-1							
6260034	128.0	129.0	0.02	-			6	-	5	-	11	-	-2	-	-1							
6260035	129.0	130.0	0.01	-			16	-	15	-	33	-	-2	-	1							
6260036	130.0	131.0	-0.01	-			24	21	13	8	39	30	-2	-1	-100	8						
6260037	131.0	132.0	-0.01	-			45	-	31	-	44	-	-2	-	-100	14						
6260038	132.0	133.0	-0.01	-			13	-	13	-	29	-	-2	-	-100	7						
6260039	133.0	134.0	-0.01	-			12	-	11	-	32	-	-2	-	-100	7						
6260040	134.0	134.7	-0.01	-			14	-	15	-	17	-	-2	-	-100	2						
6260041	134.7	140.2	-0.01	-			41	-	5	-	26	-	-2	-	-100	9						
6260042	141.50	142.50	-0.01	-0.01			25	-	-5	-	40	-	-2	-	-100	-1						
6260043	142.50	144.35	-0.01	-			13	-	5	-	12	-	-2	-	-100	-1						
6260044	144.35	145.0	-0.01	-			9	-	6	-	15	-	-2	-	-100	-1						
6260045	145.0	146.0	-0.01	-0.01			11	-	-5	-	14	-	-2	-	-100	-1						
6260046	146.0	147.0	-0.01	-			15	11	8	-3	20	19	-2	-1	-100	3						
6260047	147.0	148.0	-0.01	-			17	-	10	-	29	-	-2	-	-100	5						
6260048	148.0	149.0	-0.01	-			27	-	13	-	26	-	-2	-	-100	-1						
6260049	149.0	150.0	-0.01	-			17	-	11	-	13	-	-2	-	-100	5						
6260050	150.0	151.0	-0.01	-			18	-	9	-	12	-	-2	-	-100	-1						
6260051	151.0	152.0	-0.01	-			32	-	13	-	20	-	-2	-	-100	5						
6260052	152.0	153.0	-0.01	-			43	-	8	-	31	-	-2	-	-100	3						
6260053	153.0	154.0	-0.01	-			49	-	11	-	89	-	-2	-	-100	7						
6260054	161.7	163.0	-0.01	-			5	-	-5	-	90	-	-2	-	-100	-1						
6260055	163.0	163.5	-0.01	-			-4	-	8	-	29	-	-2	-	-100	-1						
6260056	166.5	167.7	-0.01	-			4	5	-5	-3	24	29	-2	-1	-100	3						
6260057	167.7	168.2	-0.01	-			-4	-	7	-	9	-	-2	-	-100	-1						
6260058	168.2	169.0	-0.01	-			-4	-	-5	-	7	-	-2	-	-100	-1						
6260059	169.0	170.0	-0.01	-			-4	-	-5	-	5	-	-2	-	-100	-1						

Sample Number	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
		Units	ppm	ppm			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm						
		Detection Limit	0.01	0.01			4	2	5	3	4	2	2	1	100	1						
		Method	F630	F630			A104	A102	A104	A102	A104	A102	A104	A102	A104	H104						
6260060	170.0	171.0	-0.01	-			-4	-	5	-	-4	-	-2	-	-100	-1						
6260061	171.0	172.0	-0.01	-			4	-	8	-	-4	-	-2	-	-100	-1						
6260062	172.0	173.4	-0.01	-			5	-	8	-	-4	-	-2	-	-100	-1						
6260063	173.4	175.2	-0.01	-			5	-	8	-	-4	-	-2	-	-100	3						
6260064	175.2	176.0	-0.01	-			6	-	6	-	5	-	-2	-	-100	-1						
6260065	176.0	177.0	-0.01	-			-4	-	9	-	5	-	-2	-	-100	-1						
6260066	177.0	178.5	-0.01	-			7	6	9	-3	-4	12	-2	-1	-100	-1						
6260067	179.4	179.7	-0.01	-			-4	-	-5	-	11	-	-2	-	-100	-1						
6260068	179.7	180.2	-0.01	-			-4	-	9	-	16	-	-2	-	-100	-1						
6260069	180.2	181.0	-0.01	-0.01			-4	-	9	-	8	-	-2	-	-100	-1						
6260070	181.0	182.0	-0.01	-0.01			8	-	7	-	7	-	-2	-	-100	-1						
6260071	182.0	183.0	-0.01	-			9	-	8	-	11	-	-2	-	-100	-1						
6260072	183.0	184.0	-0.01	-			11	-	7	-	11	-	-2	-	-100	-1						
6260073	184.0	185.0	-0.01	-			9	-	6	-	13	-	-2	-	-100	-1						
6260074	185.0	186.0	-0.01	-			253	-	8	-	17	-	-2	-	-100	-1						
6260075	186.0	187.0	-0.01	-			14	-	8	-	10	-	-2	-	-100	-1						
6260076	187.0	188.0	-0.01	-			15	-	5	-	14	-	-2	-	-100	4						
6260077	188.0	188.8	-0.01	-0.01			14	14	6	3	11	15	-2	-1	-100	16						
6260078	188.8	189.0	-0.01	-			6	-	8	-	18	-	-2	-	-100	2						
6260079	189.0	190.0	-0.01	-			-4	-	8	-	10	-	-2	-	-100	-1						
6260080	190.0	191.0	-0.01	-			-4	-	15	-	8	-	-2	-	-100	3						
6260081	191.0	192.0	-0.01	-			7	-	16	-	9	-	-2	-	-100	-1						
6260082	192.0	193.10	-0.01	-			31	-	11	-	10	-	-2	-	-100	8						
6260083	193.10	193.5	-0.01	-			9	-	9	-	11	-	-2	-	-100	-1						

ASSAYS

Project: Cape Sorell **Prospect:** Pelias Cove **Exploration Licence:** EL10/97 **Hole Number:** PC-2

		Units	ppm	ppm			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm						
		Detection Limit	0.01	0.01			4	2	5	3	4	2	2	1	50	1					
		Method	F630	F630			A104	A102	A104	A102	A104	A102	A104	A102	A104	H104					
Sample Number	**From**	**To**	**Au**	**Au(R1)**	**Au(R2)**	**Au(R3)**	**Cu**	**Cu(R1)**	**Pb**	**Pb(R1)**	**Zn**	**Zn(R1)**	**Ag**	**Ag(R1)**	**As**	**As(R1)**	**Sn**	**Pt**	**Pd**	**Ni**	**Fe**	**Bi**
6260084	182.00	183.00	-0.01	-			20	-	31	-	71	-	-2	-	-50	3						
6260085	183.00	184.00	-0.01	-			9	8	17	5	50	33	-2	-1	-50	-1						
6260086	184.00	185.00	-0.01	-			9	-	11	-	34	-	-2	-	-50	-1						
6260087	185.00	186.00	-0.01	-			5	-	12	-	10	-	-2	-	-50	-1						
6260088	99.00	187.00	-0.01	-			7	-	13	-	26	-	-2	-	-50	-1						
6260089	187.00	188.00	-0.01	-			7	-	20	-	15	-	-2	-	-50	-1						
6260090	188.00	189.00	-0.01	-			5	-	11	-	17	-	-2	-	-50	-1						
6260091	189.00	190.00	-0.01	-			6	-	9	-	16	-	-2	-	-50	-1						
6260092	190.00	191.00	-0.01	-			-4	-	6	-	14	-	-2	-	-50	-1						
6260093	191.00	192.00	-0.01	-0.01			-4	-	9	-	27	-	-2	-	-50	-1						
6260094	192.00	193.00	-0.01	-			-4	-	7	-	33	-	-2	-	-50	3						
6260095	193.00	194.00	-0.01	-			-4	4	8	-3	18	17	-2	-1	-50	1						
6260096	194.00	195.00	-0.01	-			-4	-	-5	-	16	-	-2	-	-50	4						
6260097	195.00	196.00	-0.01	-			4	-	34	-	17	-	-2	-	-50	5						
6260098	196.00	197.00	-0.01	-			9	-	11	-	17	-	-2	-	-50	4						
6260099	197.00	198.00	-0.01	-			8	-	6	-	14	-	-2	-	-50	5						
6260100	198.00	199.00	-0.01	-			-4	-	8	-	13	-	-2	-	-50	2						
6260101	199.00	200.00	-0.01	-			-4	-	8	-	13	-	-2	-	-50	8						
6260102	200.00	201.00	-0.01	-			-4	-	8	-	16	-	-2	-	-50	3						
6260103	201.00	202.00	-0.01	-			6	-	8	-	12	-	-2	-	-50	13						
6260104	202.00	203.00	-0.01	-			4	-	5	-	15	-	-2	-	-50	3						
6260105	203.00	204.00	-0.01	-			4	4	7	4	16	19	-2	-1	-50	6						
6260106	204.00	205.00	-0.01	-			-4	-	7	-	12	-	-2	-	-50	-1						
6260107	205.00	206.00	-0.01	-			4	-	8	-	15	-	-2	-	-50	13						
6260108	206.00	207.00	-0.01	-			-4	-	8	-	18	-	-2	-	-50	9						
6260109	207.00	208.00	-0.01	-			-4	-	11	-	16	-	-2	-	-50	-1						
6260110	208.00	209.00	-0.01	-			4	-	10	-	18	-	-2	-	-50	4						

Sample Number	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
		Units	ppm	ppm			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm						
		Detection Limit	0.01	0.01			4	2	5	3	4	2	2	1	50	1						
		Method	F630	F630			A104	A102	A104	A102	A104	A102	A104	A102	A104	H104						
6260111	209.00	210.00	-0.01	-0.01			4	-	12	-	17	-	-2	-	-50	12						
6260112	210.00	211.00	-0.01	-			-4	-	5	-	29	-	-2	-	-50	-1						
6260113	211.00	212.00	-0.01	-			-4	-	-5	-	14	-	-2	-	-50	-1						
6260114	212.00	213.00	-0.01	-			-4	-	-5	-	16	-	-2	-	-50	2						
6260115	213.00	214.00	-0.01	-			-4	10	-5	3	15	20	-2	-1	-50	4						
6260116	214.00	215.00	-0.01	-			-4	-	-5	-	26	-	-2	-	-50	2						
6260117	215.00	216.00	-0.01	-			-4	-	7	-	19	-	-2	-	-50	1						
6260118	216.00	217.00	-0.01	-0.01			-4	-	9	-	21	-	-2	-	-50	3						
6260119	217.00	218.00	-0.01	-			-4	-	11	-	22	-	-2	-	-50	-1						
6260120	218.00	219.00	-0.01	-			-4	-	16	-	18	-	-2	-	-50	-1						
6260121	219.00	220.00	-0.01	-			-4	-	12	-	23	-	-2	-	-50	-1						
6260122	220.00	221.00	-0.01	-			-4	-	9	-	17	-	-2	-	-50	5						
6260123	221.00	222.00	-0.01	-			-4	-	9	-	19	-	-2	-	-50	-1						
6260124	222.00	223.00	-0.01	-			-4	-	12	-	28	-	-2	-	-50	9						
6260125	141.50	224.00	-0.01	-			-4	3	11	-3	20	17	-2	-1	-50	1						
6260126	224.00	225.00	-0.01	-			-4	-	12	-	15	-	-2	-	-50	7						
6260127	225.00	226.00	-0.01	-			-4	-	12	-	16	-	-2	-	-50	4						
6260128	226.00	227.00	-0.01	-			-4	-	6	-	15	-	-2	-	-50	2						
6260129	227.00	228.00	-0.01	-			-4	-	8	-	12	-	-2	-	-50	7						
6260130	228.00	229.00	-0.01	-0.01			6	-	6	-	10	-	-2	-	-50	2						
6260131	229.00	230.00	-0.01	-			4	-	8	-	31	-	-2	-	-50	7						
6260132	230.00	231.00	-0.01	-			4	-	6	-	9	-	-2	-	-50	3						
6260133	231.00	232.00	-0.01	-			-4	-	6	-	12	-	-2	-	-50	4						
6260134	232.00	233.00	-0.01	-			-4	-	-5	-	8	-	-2	-	-50	5						
6260135	233.00	234.00	-0.01	-			-4	7	6	7	8	18	-2	-1	-50	4						
6260136	234.00	235.00	-0.01	-			-4	-	6	-	10	-	-2	-	-50	13						
6260137	235.00	236.00	-0.01	-			-4	-	7	-	9	-	-2	-	-50	3						
6260138	236.00	237.00	-0.01	-			-4	-	8	-	8	-	-2	-	-50	23						
6260139	166.50	238.00	-0.01	-			-4	-	6	-	9	-	-2	-	-50	3						
6260140	238.00	239.00	-0.01	-			-4	-	8	-	10	-	-2	-	-50	3						
6260141	239.00	240.00	-0.01	-			-4	-	5	-	12	-	-2	-	-50	1						
6260142	240.00	241.00	-0.01	-			-4	-	-5	-	26	-	-2	-	-50	6						

Sample Number	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
		Units	ppm	ppm			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm						
		Detection Limit	0.01	0.01			4	2	5	3	4	2	2	1	50	1						
		Method	F630	F630			A104	A102	A104	A102	A104	A102	A104	A102	A104	H104						
6260143	241.00	242.00	-0.01	-0.01			-4	-	7	-	16	-	-2	-	-50	5						
6260144	242.00	243.00	-0.01	-0.01			-4	3	-5	5	30	17	-2	-1	-50	8						
6260145	243.00	244.00	-0.01	-0.01			-4	2	-5	-3	19	18	-2	-1	-50	-1						
6260146	244.00	245.00	-0.01	-			-4	-	-5	-	10	-	-2	-	-50	3						
6260147	245.00	246.00	-0.01	-			-4	-	-5	-	12	-	-2	-	-50	3						
6260148	246.00	247.00	-0.01	-			-4	-	-5	-	11	-	-2	-	-50	7						
6260149	247.00	248.00	-0.01	-			-4	-	-5	-	12	-	-2	-	-50	4						
6260150	179.40	249.00	-0.01	-			-4	-	-5	-	16	-	-2	-	-50	-1						
6260151	249.00	250.00	-0.01	-			-4	-	-5	-	11	-	-2	-	-50	6						
6260152	250.00	251.00	-0.01	-			-4	-	-5	-	59	-	-2	-	-50	4						
6260153	251.00	252.00	-0.01	-			-4	-	-5	-	10	-	-2	-	-50	-1						
6260154	252.00	253.00	-0.01	-0.01			-4	-	-5	-	8	-	-2	-	-50	6						
6260155	253.00	254.00	-0.01	-			-4	-	-5	-	308	-	-2	-	-50	-1						
6260156	254.00	255.00	-0.01	-			-4	3	-5	-3	9	17	-2	-1	-50	-1						
6260157	255.00	256.00	-0.01	-			-4	-	-5	-	6	-	-2	-	-50	6						
6260158	256.00	257.00	-0.01	-			-4	-	-5	-	6	-	-2	-	-50	6						
6260159	257.00	258.00	-0.01	-			-4	-	-5	-	17	-	-2	-	-50	5						
6260160	258.00	259.00	-0.01	-			-4	-	6	-	7	-	-2	-	-50	-1						
6260161	259.00	260.00	-0.01	-			-4	-	-5	-	5	-	-2	-	-50	5						
6260162	260.00	261.00	-0.01	-			-4	-	6	-	6	-	-2	-	-50	1						
6260163	261.00	262.00	-0.01	-			-4	-	5	-	7	-	-2	-	-50	6						
6260164	262.00	263.00	-0.01	-			-4	-	6	-	5	-	-2	-	-50	-1						
6260165	263.00	264.00	-0.01	-			-4	-	6	-	11	-	-2	-	-50	4						
6260166	264.00	265.00	-0.01	-			-4	2	5	-3	14	17	-2	-1	-50	5						
6260167	265.00	266.00	-0.01	-			-4	-	6	-	11	-	-2	-	-50	4						
6260168	266.00	267.00	-0.01	-			4	-	5	-	7	-	-2	-	-50	4						
6260169	267.00	268.00	-0.01	-			5	-	7	-	10	-	-2	-	-50	-1						
6260170	268.00	269.00	-0.01	-			-4	-	-5	-	9	-	-2	-	-50	5						
6260171	269.00	270.00	-0.01	-			-4	-	5	-	7	-	-2	-	-50	3						
6260172	270.00	271.00	-0.01	-			4	-	12	-	15	-	-2	-	-50	1						
6260173	271.00	272.00	-0.01	-			-4	-	5	-	11	-	-2	-	-50	3						
6260174	272.00	273.00	-0.01	-			8	-	8	-	31	-	-2	-	-50	4						

Sample Number	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
		Units	ppm	ppm			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm						
		Detection Limit	0.01	0.01			4	2	5	3	4	2	2	1	50	1						
		Method	F630	F630			A104	A102	A104	A102	A104	A102	A104	A102	A104	H104						
6260175	273.00	274.00	-0.01	-			-4	-	8	-	11	-	-2	-	-50	5						
6260176	274.00	275.00	-0.01	-			-4	3	7	-3	11	19	-2	-1	-50	1						
6260177	275.00	276.00	-0.01	-0.01			-4	-	9	-	17	-	-2	-	-50	-1						
6260178	276.00	277.00	-0.01	-			-4	-	6	-	15	-	-2	-	-50	4						
6260179	277.00	278.00	-0.01	-0.01			-4	-	-5	-	26	-	-2	-	-50	-1						
6260180	278.00	279.00	-0.01	-			-4	-	7	-	47	-	-2	-	-50	-1						
6260181	279.00	280.00	-0.01	-			-4	-	5	-	22	-	-2	-	-50	-1						
6260182	280.00	281.00	-0.01	-			6	-	9	-	15	-	-2	-	-50	1						
6260183	281.00	282.00	-0.01	-			4	-	13	-	24	-	-2	-	-50	-1						
6260184	282.00	283.00	-0.01	-			6	-	13	-	22	-	-2	-	-50	7						
6260185	283.00	284.00	-0.01	-			4	3	9	-3	21	26	-2	-1	-50	-1						
6260186	284.00	285.00	-0.01	-			-4	-	8	-	21	-	-2	-	-50	-1						
6260187	285.00	286.00	-0.01	-			-4	-	8	-	23	-	-2	-	-50	-1						
6260188	286.00	287.00	-0.01	-			-4	-	-5	-	19	-	-2	-	-50	-1						
6260189	287.00	288.00	-0.01	-			-4	-	12	-	15	-	-2	-	-50	2						
6260190	288.00	289.00	-0.01	-			-4	-	-5	-	11	-	-2	-	-50	3						
6260191	289.00	290.00	-0.01	-			-4	-	-5	-	18	-	-2	-	-50	-1						
6260192	290.00	291.00	-0.01	-			-4	-	-5	-	10	-	-2	-	-50	-1						
6260193	291.00	292.00	-0.01	-			-4	-	-5	-	10	-	-2	-	-50	-1						
6260194	292.00	293.00	-0.01	-			-4	-	-5	-	15	-	-2	-	-50	-1						
6260195	293.00	294.00	-0.01	-			-4	4	-5	4	10	18	-2	-1	-50	3						
6260196	294.00	295.00	-0.01	-			-4	-	-5	-	15	-	-2	-	-50	9						
6260197	295.00	296.00	-0.01	-			-4	-	-5	-	16	-	-2	-	-50	3						
6260198	296.00	297.00	-0.01	-0.01			-4	-	-5	-	11	-	-2	-	-50	4						
6260199	297.00	298.00	-0.01	-			-4	-	-5	-	8	-	-2	-	-50	2						
6260200	298.00	299.00	-0.01	-			-4	-	5	-	7	-	-2	-	-50	-1						
6260201	299.00	300.00	-0.01	-			4	-	-5	-	6	-	-2	-	-50	-1						
6260202	300.00	301.00	-0.01	-			-4	-	-5	-	5	-	-2	-	-50	2						
6260203	301.00	302.00	-0.01	-			4	-	7	-	15	-	-2	-	-50	5						
6260204	302.00	303.00	-0.01	-0.01			-4	-	6	-	7	-	-2	-	-50	-1						
6260205	303.00	304.00	-0.01	-			-4	2	7	-3	6	11	-2	-1	-50	-1						
6260206	304.00	305.00	-0.01	-			-4	-	5	-	9	-	-2	-	-50	2						

	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
		Units	ppm	ppm			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm						
		Detection Limit	0.01	0.01			4	2	5	3	4	2	2	1	50	1						
		Method	F630	F630			A104	A102	A104	A102	A104	A102	A104	A102	A104	H104						
Sample Number	**From**	**To**	**Au**	**Au(R1)**	**Au(R2)**	**Au(R3)**	**Cu**	**Cu(R1)**	**Pb**	**Pb(R1)**	**Zn**	**Zn(R1)**	**Ag**	**Ag(R1)**	**As**	**As(R1)**	**Sn**	**Pt**	**Pd**	**Ni**	**Fe**	**Bi**
6260207	305.00	306.00	-0.01	-			5	-	-5	-	7	-	-2	-	-50	5						
6260208	306.00	307.00	-0.01	-			-4	-	5	-	11	-	-2	-	-50	9						
6260209	307.00	308.00	-0.01	-			4	-	-5	-	7	-	-2	-	-50	-1						
6260210	308.00	309.00	-0.01	-0.01			-4	-	-5	-	6	-	-2	-	-50	-1						
6260211	309.00	310.00	-0.01	-			-4	-	-5	-	6	-	-2	-	-50	6						
6260212	310.00	311.00	-0.01	-			-4	-	-5	-	6	-	-2	-	-50	-1						
6260213	311.00	312.00	-0.01	-			-4	-	-5	-	14	-	-2	-	-50	-1						
6260214	312.00	313.00	-0.01	-			4	-	24	-	16	-	-2	-	-50	2						
6260215	313.00	314.00	-0.01	-			-4	3	18	-3	14	16	-2	-1	-50	1						
6260216	314.00	315.00	-0.01	-			-4	-	-5	-	8	-	-2	-	-50	2						
6260217	315.00	316.00	-0.01	-			-4	-	-5	-	7	-	-2	-	-50	-1						
6260218	316.00	317.00	-0.01	-			-4	-	-5	-	9	-	-2	-	-50	2						
6260219	317.00	318.00	-0.01	-			-4	-	-5	-	4	-	-2	-	-50	1						
6260220	318.00	319.00	-0.01	-			-4	-	-5	-	4	-	-2	-	-50	-1						
6260221	319.00	320.00	-0.01	-			-4	-	-5	-	6	-	-2	-	-50	1						
6260222	320.00	321.00	-0.01	-			-4	5	-5	5	5	2	-2	-1	-50	3						
6260223	321.00	322.00	-0.01	-			-4	-	-5	-	8	-	-2	-	-50	2						
6260224	322.00	323.00	-0.01	-			-4	-	-5	-	7	-	-2	-	-50	1						
6260225	323.00	324.00	-0.01	-0.01			-4	-	-5	-	5	-	-2	-	-50	5						
6260226	324.00	325.00	-0.01	-			-4	-	-5	-	-4	-	-2	-	-50	1						
6260227	325.00	326.00	-0.01	-0.01			-4	-	-5	-	7	-	-2	-	-50	1						
6260228	326.00	327.00	-0.01	-			-4	-	-5	-	14	-	-2	-	-50	-1						
6260229	327.00	328.00	-0.01	-			-4	-	-5	-	8	-	-2	-	-50	-1						
6260230	328.00	329.00	-0.01	-			-4	-	-5	-	6	-	-2	-	-50	-1						
6260231	329.00	330.00	-0.01	-			-4	-	-5	-	6	-	-2	-	-50	2						
6260232	330.00	331.00	-0.01	-			-4	2	-5	5	7	2	-2	-1	-50	-1						
6260233	331.00	332.00	-0.01	-			-4	-	-5	-	8	-	-2	-	-50	-1						
6260234	332.00	333.00	-0.01	-			-4	-	-5	-	5	-	-2	-	-50	-1						
6260235	333.00	334.00	-0.01	-			-4	-	-5	-	4	-	-2	-	-50	-1						
6260236	334.00	335.00	-0.01	-			-4	-	-5	-	21	-	-2	-	-50	-1						
6260237	335.00	336.00	-0.01	-			-4	-	-5	-	6	-	-2	-	-50	6						
6260238	336.00	337.00	-0.01	-			-4	-	-5	-	5	-	-2	-	-50	-1						

Sample Number	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
		Units	ppm	ppm			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm						
		Detection Limit	0.01	0.01			4	2	5	3	4	2	2	1	50	1						
		Method	F630	F630			A104	A102	A104	A102	A104	A102	A104	A102	A104	H104						
6260239	337.00	338.00	-0.01	-			-4	-	7	-	6	-	-2	-	-50	4						
6260240	338.00	339.00	-0.01	-			-4	-	7	-	11	-	-2	-	-50	-1						
6260241	339.00	340.00	-0.01	-			-4	-	9	-	8	-	-2	-	-50	-1						
6260242	340.00	341.00	-0.01	-			-4	2	6	3	7	-2	-2	-1	-50	2						
6260243	341.00	342.00	-0.01	-			-4	-	-5	-	6	-	-2	-	-50	-1						
6260244	342.00	343.00	-0.01	-			-4	-	6	-	7	-	-2	-	-50	2						
6260245	343.00	344.00	-0.01	-			-4	-	-5	-	5	-	-2	-	-50	-1						
6260246	344.00	345.00	-0.01	-			-4	-	5	-	8	-	-2	-	-50	4						
6260247	345.00	346.00	-0.01	-			6	-	-5	-	9	-	-2	-	-50	2						
6260248	346.00	347.00	-0.01	-			-4	-	5	-	7	-	-2	-	-50	1						
6260249	347.00	348.00	-0.01	-			-4	-	-5	-	6	-	-2	-	-50	-1						
6260250	99.00	349.20	-0.01	-0.01			-4	-	-5	-	-4	-	-2	-	-50	4						
6260251	349.20	349.60	-0.01	-			-4	-	-5	-	4	-	-2	-	-50	9						
6260252	349.60	351.00	-0.01	-0.01			-4	3	-5	4	12	2	-2	-1	-50	1						
6260253	351.00	352.00	-0.01	-			-4	-	-5	-	4	-	-2	-	-50	5						
6260254	352.00	353.00	-0.01	-			-4	-	-5	-	5	-	-2	-	-50	1						
6260255	353.00	354.00	-0.01	-			-4	-	-5	-	4	-	-2	-	-50	-1						
6260256	354.00	355.00	-0.01	-			-4	-	-5	-	11	-	-2	-	-50	8						
6260257	355.00	356.00	-0.01	-			-4	-	-5	-	4	-	-2	-	-50	2						
6260258	356.00	357.00	-0.01	-0.01			-4	-	-5	-	7	-	-2	-	-50	8						
6260259	357.00	358.00	-0.01	-			-4	-	-5	-	4	-	-2	-	-50	6						
6260260	358.00	359.00	-0.01	-			-4	-	5	-	5	-	-2	-	-50	6						
6260261	359.00	360.00	-0.01	-			4	-	-5	-	9	-	-2	-	-50	2						
6260262	360.00	361.20	-0.01	-			7	2	8	4	12	-2	-2	-1	-50	-1						
6260263	15.00	16.00	-0.01	-			46		3		31		-1		-50	1						
6260264	16.00	17.00	-0.01	-			39		4		26		-1		-50	4						
6260265	17.00	18.00	-0.01	-			31		7		19		-1		-50	3						
6260266	18.00	19.00	-0.01	-			30		4		19		-1		-50	1						
6260267	19.00	20.00	-0.01	-			34		8		22		-1		-50	-1						
6260268	20.00	21.00	-0.01	-			25		7		17		-1		-50	4						
6260269	21.00	22.00	-0.01	-			24		5		24		-1		-50	1						
6260270	22.00	23.00	-0.01	-			24		11		23		-1		-50	-1						

		Units	ppm	ppm			ppm		ppm		ppm		ppm		ppm	ppm						
		Detection Limit	0.01	0.01			2		3		2		1		50	1						
		Method	F630	F630			A102		A102		A102		A102		A102	H102						
Sample Number	**From**	**To**	**Au**	**Au(R1)**	**Au(R2)**	**Au(R3)**	**Cu**	**Cu(R1)**	**Pb**	**Pb(R1)**	**Zn**	**Zn(R1)**	**Ag**	**Ag(R1)**	**As**	**As(R1)**	**Sn**	**Pt**	**Pd**	**Ni**	**Fe**	**Bi**
6260271	23.00	24.00	-0.01	-			20		5		18		-1		-50	-1						
6260272	24.00	25.70	-0.01	-0.01			15		4		13		-1		-50	1						
6260273	27.60	28.25	-0.01	-			16		-3		9		-1		-50	-1						
6260274	28.25	30.00	-0.01	-			63		8		10		-1		-50	-1						
6260275	30.00	31.00	-0.01	-0.01			19		8		11		-1		-50	4						
6260276	31.00	32.00	-0.01	-			31		5		18		-1		-50	1						
6260277	32.00	33.00	-0.01	-			69		9		43		-1		-50	7						
6260278	33.00	34.00	-0.01	-			40		7		54		-1		-50	12						
6260279	34.00	35.00	-0.01	-			50		8		57		-1		-50	10						
6260280	35.00	36.00	-0.01	-			33		5		31		-1		-50	5						
6260281	36.00	37.00	-0.01	-			39		5		31		-1		-50	7						
6260282	37.00	38.00	-0.01	-			63		7		30		-1		-50	8						
6260283	38.00	39.00	-0.01	-			115		12		26		-1		-50	16						
6260284	39.00	40.00	-0.01	-			82		7		53		-1		-50	9						
6260285	40.00	41.00	-0.01	-			70		9		41		-1		-50	11						
6260286	41.00	42.00	-0.01	-			54		10		38		-1		-50	8						
6260287	42.00	43.00	-0.01	-			56		9		45		-1		-50	10						
6260288	43.00	44.00	-0.01	-0.01			47		9		53		-1		-50	14						
6260289	44.00	45.00	-0.01	-			33		7		34		-1		-50	6						
6260290	45.00	46.00	-0.01	-			37		6		37		-1		-50	7						
6260291	46.00	47.00	-0.01	-			27		6		26		-1		-50	2						
6260292	47.00	48.00	-0.01	-			22		7		23		-1		-50	3						
6260293	48.00	49.00	-0.01	-			19		4		23		-1		-50	-1						
6260294	49.00	50.00	-0.01	-			25		6		32		-1		-50	5						
6260295	50.00	51.90	-0.01	-			31		-3		28		-1		-50	5						
6260296	51.90	52.80	-0.01	-			32		6		30		-1		-50	7						
6260297	52.80	53.10	-0.01	-0.01			77		3		66		-1		-50	17						
6260298	53.10	54.00	-0.01	-			100		5		76		-1		-50	27						
6260299	54.00	55.00	-0.01	-			70		6		52		-1		-50	6						
6260300	55.00	56.00	-0.01	-			46		9		39		-1		-50	8						
6260301	166.50	57.00	-0.01	-			40		6		34		-1		-50	4						
6260302	57.00	58.00	-0.01	-			34		9		25		-1		-50	3						

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Sample Number	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
		Units	ppm	ppm			ppm		ppm		ppm		ppm		ppm	ppm						
		Detection Limit	0.01	0.01			2		3		2		1		50	1						
		Method	F630	F630			A102		A102		A102		A102		A102	H102						
6260303	58.00	59.00	-0.01	-			25		8		36		-1		-50	4						
6260304	59.00	61.90	-0.01	-0.01			33		9		37		-1		-50	6						
6260305	61.90	63.00	-0.01	-			22		11		21		-1		-50	4						
6260306	63.00	64.00	-0.01	-			20		5		24		-1		-50	-1						
6260307	64.00	65.00	-0.01	-			17		7		20		-1		-50	1						
6260308	65.00	66.00	-0.01	-			17		7		22		-1		-50	-1						
6260309	66.00	67.00	-0.01	-			31		6		33		-1		-50	-1						
6260310	67.00	68.00	-0.01	-			28		6		28		-1		-50	-1						
6260311	68.00	69.00	-0.01	-			29		8		30		-1		-50	2						
6260312	179.40	70.00	-0.01	-			18		4		26		-1		-50	-1						
6260313	70.00	71.00	-0.01	-			25		5		30		-1		-50	2						
6260314	71.00	72.40	-0.01	-			12		-3		27		-1		-50	-1						
6260315	72.40	74.00	-0.01	-			25		4		39		-1		-50	-1						
6260316	74.00	75.50	-0.01	-			17		6		36		-1		-50	-1						
6260317	75.50	77.00	-0.01	-			19		6		43		-1		-50	1						
6260318	77.00	78.00	-0.01	-			18		5		47		-1		-50	2						
6260319	78.00	79.00	-0.01	-			43		4		53		-1		-50	8						
6260320	79.00	80.00	-0.01	-			77		3		88		-1		-50	22						
6260321	80.00	81.00	-0.01	-			29		-3		52		-1		-50	2						
6260322	81.00	82.00	-0.01	-			19		-3		44		-1		-50	-1						
6260323	82.00	83.00	-0.01	-			22		-3		48		-1		-50	-1						
6260324	83.00	84.00	-0.01	-			20		5		40		-1		-50	-1						
6260325	84.00	85.00	-0.01	-			46		-3		30		-1		-50	4						
6260326	85.00	86.00	-0.01	-			52		-3		33		-1		-50	2						
6260327	86.00	87.00	-0.01	-			66		6		34		-1		-50	7						
6260328	87.00	88.00	-0.01	-0.01			22		4		39		-1		-50	5						
6260329	88.00	89.00	-0.01	-			17		-3		37		-1		-50	2						
6260330	89.00	90.00	-0.01	-			13		-3		36		-1		-50	3						
6260331	90.00	91.00	-0.01	-			11		-3		25		-1		-50	-1						
6260332	91.00	92.00	-0.01	-			13		-3		42		-1		-50	5						
6260333	92.00	93.00	-0.01	-			12		4		32		-1		-50	1						
6260334	93.00	94.00	-0.01	-			10		-3		23		-1		-50	-1						

		Units	ppm	ppm			ppm		ppm		ppm		ppm		ppm	ppm						
		Detection Limit	0.01	0.01			2		3		2		1		50	1						
		Method	F630	F630			A102		A102		A102		A102		A102	H102						
Sample Number	**From**	**To**	**Au**	**Au(R1)**	**Au(R2)**	**Au(R3)**	**Cu**	**Cu(R1)**	**Pb**	**Pb(R1)**	**Zn**	**Zn(R1)**	**Ag**	**Ag(R1)**	**As**	**As(R1)**	**Sn**	**Pt**	**Pd**	**Ni**	**Fe**	**Bi**
6260335	94.00	95.00	-0.01	-0.01			10		-3		19		-1		-50	-1						
6260336	95.00	96.00	-0.01	-			14		5		24		-1		-50	-1						
6260337	96.00	97.00	-0.01	-			13		-3		37		-1		-50	1						
6260338	97.00	98.00	-0.01	-			14		-3		35		-1		-50	3						
6260339	98.00	99.00	-0.01	-			9		-3		32		-1		-50	-1						
6260340	99.00	100.00	-0.01	-			14		-3		25		-1		-50	-1						
6260341	100.00	100.90	-0.01	-			12		-3		24		-1		-50	-1						
6260342	100.90	101.20	-0.01	-			26		-3		39		-1		-50	15						
6260343	101.20	103.00	-0.01	-			17		3		26		-1		-50	3						
6260344	103.00	104.00	-0.01	-			11		-3		22		-1		-50	-1						
6260345	104.00	105.00	-0.01	-			14		-3		32		-1		-50	-1						
6260346	105.00	106.00	-0.01	-			15		-3		29		-1		-50	-1						
6260347	106.00	107.00	-0.01	-			13		-3		28		-1		-50	-1						
6260348	107.00	108.00	-0.01	-			14		-3		29		-1		-50	1						
6260349	108.00	109.00	-0.01	-			11		-3		22		-1		-50	-1						
6260350	109.00	110.00	-0.01	-			12		-3		28		-1		-50	-1						
6260351	110.00	111.00	-0.01	-			10		-3		28		-1		-50	-1						
6260352	111.00	112.00	-0.01	-0.01			15		-3		26		-1		-50	1						
6260353	112.00	113.00	-0.01	-0.01			13		-3		24		-1		-50	-1						
6260354	113.00	114.00	-0.01	-			11		-3		22		-1		-50	1						
6260355	114.00	115.00	-0.01	-			14		-3		26		-1		-50	6						
6260356	115.00	116.00	-0.01	-			20		-3		56		-1		-50	12						
6260357	116.00	117.00	-0.01	-			14		-3		40		-1		-50	8						
6260358	117.00	118.00	-0.01	-			14		4		32		-1		-50	19						
6260359	118.00	119.00	-0.01	-			13		4		23		-1		-50	3						
6260360	119.00	120.00	-0.01	-			24		3		31		-1		-50	6						
6260361	120.00	120.70	-0.01	-			10		3		35		-1		-50	5						
6260362	120.70	121.00	-0.01	-			18		-3		51		-1		-50	14						
6260363	121.00	121.80	-0.01	-			14		-3		43		-1		-50	38						
6260364	121.80	122.10	-0.01	-			17		4		38		-1		-50	1						
6260365	122.10	123.30	-0.01	-			13		10		50		-1		-50	7						
6260366	123.30	125.00	-0.01	-			18		5		40		-1		-50	-1						

Sample Number	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
		Units	ppm	ppm			ppm		ppm		ppm		ppm		ppm	ppm						
		Detection Limit	0.01	0.01			2		3		2		1		50	1						
		Method	F630	F630			A102		A102		A102		A102		A102	H102						
6260367	125.00	126.00	-0.01	-			12		9		34		-1		-50	-1						
6260368	126.00	127.70	-0.01	-			17		10		29		-1		-50	4						
6260369	127.70	129.00	-0.01	-			20		7		20		-1		-50	1						
6260370	129.00	130.00	-0.01	-			21		6		20		-1		-50	5						
6260371	130.00	131.00	-0.01	-			14		4		15		-1		-50	-1						
6260372	131.00	132.00	-0.01	-0.01			14		11		23		-1		-50	-1						
6260373	132.00	133.00	-0.01	-			10		4		14		-1		-50	2						
6260374	133.00	134.00	-0.01	-			20		4		22		-1		-50	-1						
6260375	134.00	135.00	-0.01	-			17		5		26		-1		-50	-1						
6260376	135.00	136.00	-0.01	-			14		7		27		-1		-50	12						
6260377	136.00	137.00	-0.01	-			12		7		30		-1		-50	-1						
6260378	137.00	138.00	-0.01	-0.01			10		4		30		-1		-50	-1						
6260379	138.00	139.00	-0.01	-			17		-3		29		-1		-50	-1						
6260380	139.00	140.00	-0.01	-			19		-3		22		-1		-50	1						
6260381	140.00	141.00	-0.01	-			15		-3		31		-1		-50	-1						
6260382	141.00	142.00	-0.01	-			14		5		42		-1		-50	9						
6260383	142.00	143.00	-0.01	-0.01			16		5		25		-1		-50	10						
6260384	143.00	144.00	-0.01	-			14		4		24		-1		-50	2						
6260385	144.00	145.00	-0.01	-			14		3		24		-1		-50	1						
6260386	145.00	146.00	-0.01	-			22		4		23		-1		-50	7						
6260387	146.00	146.50	-0.01	-			27		3		28		-1		-50	-1						
6260388	146.50	148.00	-0.01	-0.01			14		3		39		-1		-50	3						
6260389	148.00	148.30	-0.01	-			23		-3		40		-1		-50	-1						
6260390	148.30	150.00	-0.01	-			22		4		34		-1		-50	3						
6260391	150.00	151.30	-0.01	-			13		-3		35		-1		-50	-1						
6260392	151.30	153.15	-0.01	-			24		-3		32		-1		-50	-1						
6260393	153.15	154.00	-0.01	-			11		-3		45		-1		-50	-1						
6260394	154.00	155.00	-0.01	-			13		-3		40		-1		-50	2						
6260395	155.00	156.70	-0.01	-			10		-3		41		-1		-50	4						
6260396	156.70	158.00	-0.01	-			9		-3		31		-1		-50	4						
6260397	158.00	159.00	-0.01	-			21		-3		38		-1		-50	6						
6260398	159.00	160.00	-0.01	-			8		-3		30		-1		-50	14						

Sample Number	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
		Units	ppm	ppm			ppm		ppm		ppm		ppm		ppm	ppm						
		Detection Limit	0.01	0.01			2		3		2		1		50	1						
		Method	F630	F630			A102		A102		A102		A102		A102	H102						
6260399	160.00	161.00	-0.01	-			5		-3		17		-1		-50	9						
6260400	161.00	162.00	-0.01	-			4		3		13		-1		-50	4						
6260401	162.00	163.00	-0.01	-			7		-3		17		-1		-50	-1						
6260402	163.00	164.00	-0.01	-0.01			4		4		11		-1		-50	3						
6260403	164.00	165.00	-0.01	-			4		4		14		-1		-50	-1						
6260404	165.00	166.00	-0.01	-			6		4		20		-1		-50	-1						
6260405	166.00	167.00	-0.01	-			13		-3		50		-1		-50	-1						
6260406	167.00	168.30	-0.01	-			11		-3		42		-1		-50	-1						
6260407	168.30	169.00	-0.01	-			5		-3		14		-1		-50	-1						
6260408	169.00	170.00	-0.01	-			11		-3		30		-1		-50	2						
6260409	170.00	171.00	-0.01	-			12		-3		31		-1		-50	-1						
6260410	171.00	172.00	-0.01	-			11		-3		30		-1		-50	1						
6260411	172.00	173.00	-0.01	-			10		-3		29		-1		-50	-1						
6260412	99.00	174.00	-0.01	-			11		-3		25		-1		-50	-1						
6260413	174.00	175.00	-0.01	-0.01			8		-3		29		-1		-50	-1						
6260414	175.00	176.00	-0.01	-			12		-3		27		-1		-50	-1						
6260415	176.00	177.00	-0.01	-			14		-3		31		-1		-50	-1						
6260416	177.00	178.00	-0.01	-			17		-3		32		-1		-50	5						
6260417	178.00	179.00	-0.01	-			12		-3		29		-1		-50	1						
6260418	179.00	180.00	-0.01	-			11		-3		28		-1		-50	-1						
6260419	180.00	181.00	-0.01	-0.01			9		-3		24		-1		-50	-1						
6260420	181.00	182.00	-0.01	-			9		-3		20		-1		-50	-1						

614193

ASSAYS

Project: Cape Sorell **Prospect:** Pelias Cove **Exploration Licence:** EL10/97 **Hole Number:** PC-3

		Units	ppm	ppm			ppm		ppm		ppm		ppm		ppm	ppm						
		Detection Limit	0.01	0.01			2		3		2		1		50	1						
		Method	F630	F630			A102		A102		A102		A102		A102	H102						
Sample Number	**From**	**To**	**Au**	**Au(R1)**	**Au(R2)**	**Au(R3)**	**Cu**	**Cu(R1)**	**Pb**	**Pb(R1)**	**Zn**	**Zn(R1)**	**Ag**	**Ag(R1)**	**As**	**As(R1)**	**Sn**	**Pt**	**Pd**	**Ni**	**Fe**	**Bi**
6260421	27	28	-0.01	-			7		7		23		-1		-50	1						
6260422	28	29	-0.01	-			10		5		33		-1		-50	1						
6260423	29	30	-0.01	-			8		5		45		-1		-50	1						
6260424	30	31	-0.01	-			11		-3		51		-1		-50	2						
6260425	31	32	-0.01	-			8		-3		44		-1		-50	1						
6260426	32	33	-0.01	-			77		-3		39		34		-50	-1						
6260427	33	34	-0.01	-			17		-3		51		-1		-50	1						
6260428	34	35	-0.01	-			13		4		43		2		-50	1						
6260429	35	36	-0.01	-			6		6		46		-1		-50	1						
6260430	36	37	-0.01	-0.01			7		3		47		1		-50	-1						
6260431	37	38	-0.01	-			3		-3		10		-1		-50	1						
6260432	38	39	-0.01	-			2		-3		8		-1		-50	1						
6260433	39	40	-0.01	-			6		-3		6		-1		-50	2						
6260434	40	41	-0.01	-			4		-3		9		-1		-50	2						
6260435	41	42	-0.01	-0.01			5		10		8		-1		-50	3						
6260436	42	43	-0.01	-			3		16		8		-1		-50	-1						
6260437	43	44	-0.01	-			2		12		8		-1		-50	-1						
6260438	44	45	-0.01	-			6		11		7		-1		-50	4						
6260439	45	46	-0.01	-			7		-3		6		-1		-50	2						
6260440	46	48.07	-0.01	-			7		5		3		-1		-50	5						
6260441	48.07	52	-0.01	-			17		-3		24		-1		-50	5						
6260442	52	53	-0.01	-			13		-3		27		-1		-50	8						
6260443	53	54	-0.01	-			12		-3		15		-1		-50	6						
6260444	54	55	-0.01	-			41		5		20		-1		-50	8						
6260445	56	57	-0.01	-			6		6		63		-1		-50	1						
6260446	57	58	-0.01	-			-2		6		46		-1		-50	-1						
6260447	58	59.6	-0.01	-0.01			20		4		72		-1		-50	2						

614194

Sample Number	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
		Units	ppm	ppm			ppm		ppm		ppm		ppm		ppm	ppm						
		Detection Limit	0.01	0.01			2		3		2		1		50	1						
		Method	F630	F630			A102		A102		A102		A102		A102	H102						
6260448	63	63.7	-0.01	-			14		3		55		-1		-50	2						
6260449	64	64.9	-0.01	-			9		-3		364		-1		-50	-1						
6260450	64.9	65.25	-0.01	-			3		-3		39		-1		-50	1						
6260451	65.25	66.1	-0.01	-			32		-3		18		-1		-50	3						
6260452	68.5	70	-0.01	-			16		-3		22		-1		-50	-1						
6260453	70	71	-0.01	-			42		-3		20		-1		-50	1						
6260454	71	72	-0.01	-			35		3		23		-1		-50	3						
6260455	72	73	-0.01	-0.01			4		4		32		-1		-50	1						
6260456	73	73.6	-0.01	-			3		-3		12		-1		-50	-1						
6260457	73.6	75	-0.01	-			36		-3		42		7		-50	5						
6260458	75	77.2	-0.01	-			19		-3		45		-1		-50	4						
6260459	77.2	79	-0.01	-			7		-3		28		-1		-50	23						
6260460	79	80	-0.01	-			13		-3		14		-1		-50	16						
6260461	80	81.2	-0.01	-			11		-3		16		-1		-50	12						
6260462	82.7	84	-0.01	-			20		-3		19		-1		-50	2						
6260463	84	85	-0.01	-			25		-3		16		-1		-50	5						
6260464	85	86	-0.01	-			-2		-3		2		-1		-50	-1						
6260465	86	87	-0.01	-			-2		-3		4		-1		-50	-1						
6260466	87	88	-0.01	-			-2		-3		2		-1		-50	-1						
6260467	88	89.4	-0.01	-			-2		4		3		-1		-50	3						
6260468	89.4	89.6	-0.01	-			-2		-3		2		-1		-50	-1						
6260469	89.6	91	-0.01	-			-2		-3		4		-1		-50	2						
6260470	91	92	-0.01	-			-2		-3		3		-1		-50	1						
6260471	92	93	-0.01	-			-2		-3		-2		-1		-50	-1						
6260472	93	94	-0.01	-			-2		-3		3		-1		-50	-1						
6260473	94	95	-0.01	-			-2		-3		3		-1		-50	-1						
6260474	95	96	-0.01	-			-2		-3		2		-1		-50	-1						
6260475	96	97	-0.01	-0.01			-2		-3		2		-1		-50	-1						
6260476	97	98	-0.01	-			-2		-3		2		-1		-50	-1						
6260477	98	99	-0.01	-			3		4		2		-1		-50	-1						
6260478	99	100	-0.01	-0.01			4		3		3		-1		-50	1						
6260479	100	101	-0.01	-			5		-3		3		-1		-50	-1						

614195

Sample Number	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
		Units	ppm	ppm			ppm		ppm		ppm		ppm		ppm	ppm						
		Detection Limit	0.01	0.01			2		3		2		1		50	1						
		Method	F630	F630			A102		A102		A102		A102		A102	H102						
6260480	101	102	-0.01	-			5		-3		4		-1		-50	-1						
6260481	102	103	-0.01	-			6		6		2		-1		-50	3						
6260482	103	104	-0.01	-			3		-3		-2		-1		-50	-1						
6260483	104	105	-0.01	-			2		-3		3		-1		-50	1						
6260484	105	106.45	-0.01	-			3		3		5		-1		-50	1						
6260485	106.45	107.05	-0.01	-			5		-3		5		-1		-50	2						
6260486	107.05	108	-0.01	-0.01			3		-3		2		-1		-50	-1						
6260487	108	109	-0.01	-			3		5		3		-1		-50	-1						
6260488	109	110	-0.01	-			2		-3		-2		-1		-50	-1						
6260489	110	111	-0.01	-			2		3		-2		-1		-50	-1						
6260490	111	112	-0.01	-			3		-3		4		-1		-50	-1						
6260491	112	113	-0.01	-			10		-3		11		-1		-50	1						
6260492	113	114	-0.01	-			4		5		8		-1		-50	-1						
6260493	114	115	-0.01	-			2		3		16		-1		-50	-1						
6260494	115	116	-0.01	-			20		-3		7		-1		-50	2						
6260495	116	117	-0.01	-			8		4		11		-1		-50	-1						
6260496	117	118	-0.01	-			8		3		8		-1		-50	3						
6260497	118	119	-0.01	-			5		-3		3		-1		-50	-1						
6260498	119	120	-0.01	-			4		-3		5		-1		-50	-1						
6260499	120	121	-0.01	-			10		3		8		-1		-50	1						
6260500	121	122	-0.01	-			8		6		10		-1		-50	3						
6260501	122	123	-0.01	-			5		3		16		-1		-50	2						
6260502	123	124	-0.01	-			3		-3		4		-1		-50	-1						
6260503	124	125	-0.01	-			-2		6		5		-1		-50	-1						
6260504	125	126	-0.01	-			-2		3		6		-1		-50	1						
6260505	126	127	-0.01	-			3		-3		3		-1		-50	1						
6260506	127	128	-0.01	-			3		-3		4		-1		-50	-1						
6260507	128	129	-0.01	-			3		-3		2		-1		-50	-1						
6260508	129	130	-0.01	-			4		-3		5		-1		-50	-1						
6260509	130	131	-0.01	-			9		-3		15		-1		-50	4						
6260510	131	132	-0.01	-			3		-3		5		-1		-50	-1						
6260511	132	133	-0.01	-0.01			3		-3		6		-1		-50	-1						

		Units	ppm	ppm		ppm	ppm		ppm		ppm		ppm		ppm							
		Detection Limit	0.01	0.01			2		3		2		1		50	1						
		Method	F630	F630			A102		A102		A102		A102		A102	H102						
Sample Number	**From**	**To**	**Au**	**Au(R1)**	**Au(R2)**	**Au(R3)**	**Cu**	**Cu(R1)**	**Pb**	**Pb(R1)**	**Zn**	**Zn(R1)**	**Ag**	**Ag(R1)**	**As**	**As(R1)**	**Sn**	**Pt**	**Pd**	**Ni**	**Fe**	**Bi**
6260512	133	134.85	-0.01	-			3		-3		6		-1		-50	-1						
6260513	134.85	136.2	-0.01	-			5		-3		6		-1		-50	-1						
6260514	136.2	137.9	-0.01	-			6		-3		5		-1		-50	1						
6260515	137.9	138.15	-0.01	-			15		-3		3		-1		-50	10						
6260516	138.15	139.2	-0.01	-			12		3		4		-1		-50	-1						
6260517	139.2	140	-0.01	-			6		-3		6		-1		-50	-1						
6260518	140	141	-0.01	-0.01			2		-3		6		-1		-50	-1						
6260519	141	142	-0.01	-			4		6		6		-1		-50	-1						
6260520	142	143	-0.01	-			2		-3		5		-1		-50	-1						
6260521	143	144	-0.01	-			3		-3		10		-1		-50	-1						
6260522	144	145	-0.01	-			2		-3		4		-1		-50	-1						
6260523	145	146.7	-0.01	-			3		-3		4		-1		-50	-1						
6260524	146.7	148	-0.01	-			15		-3		5		-1		-50	-1						
6260525	148	149	-0.01	-			13		-3		4		-1		-50	-1						
6260526	149	150	-0.01	-			8		-3		4		-1		-50	3						
6260527	150	151	-0.01	-			9		3		7		-1		-50	-1						
6260528	151	152	-0.01	-			7		-3		6		-1		-50	-1						
6260529	152	153	-0.01	-			13		3		5		-1		-50	-1						
6260530	153	154	-0.01	-			19		7		4		-1		-50	5						
6260531	154	155	-0.01	-			22		-3		6		-1		-50	4						
6260532	155	156	-0.01	-			15		-3		4		-1		-50	2						
6260533	156	157	-0.01	-0.01			3		4		4		-1		-50	1						
6260534	157	158	-0.01	-0.01			11		7		6		-1		-50	2						
6260535	158	159	-0.01	-			3		5		4		-1		-50	1						
6260536	159	160	-0.01	-			8		-3		4		-1		-50	-1						
6260537	160	161	-0.01	-			4		-3		5		-1		-50	1						
6260538	161	162	-0.01	-			6		5		5		-1		-50	-1						
6260539	162	163	-0.01	-			6		6		3		-1		-50	3						
6260540	163	164	-0.01	-			8		-3		5		-1		-50	1						
6260541	164	165	-0.01	-			4		4		4		-1		-50	1						
6260542	165	166	-0.01	-			5		4		2		-1		-50	-1						
6260543	166	167	-0.01	-			7		4		3		-1		-50	-1						

		Units	ppm	ppm			ppm		ppm		ppm		ppm		ppm	ppm					
		Detection Limit	0.01	0.01			2		3		2		1		50	1					
		Method	F630	F630			A102		A102		A102		A102		A102	H102					
Sample Number	**From**	**To**	**Au**	**Au(R1)**	**Au(R2)**	**Au(R3)**	**Cu**	**Cu(R1)**	**Pb**	**Pb(R1)**	**Zn**	**Zn(R1)**	**Ag**	**Ag(R1)**	**As**	**As(R1)**	**Sn**	**Pt**	**Pd**	**Ni**	**Fe**	**Bi**
6260544	167	168	-0.01	-0.01			2		4		6		-1		-50	-1						
6260545	168	169	-0.01	-			11		4		5		-1		-50	14						
6260546	169	170	-0.01	-			16		5		4		-1		-50	8						
6260547	170	171	-0.01	-			8		-3		5		-1		-50	2						
6260548	171	172	-0.01	-			15		-3		6		-1		-50	1						
6260549	172	173	-0.01	-			15		4		9		-1		-50	9						
6260550	173	174	-0.01	-			12		-3		7		-1		-50	5						
6260551	174	175	-0.01	-			8		-3		5		-1		-50	4						
6260552	175	176	-0.01	-			4		-3		4		-1		-50	-1						
6260553	176	177	-0.01	-			4		3		3		-1		-50	1						
6260554	177	178	-0.01	-			11		4		4		-1		-50	5						
6260555	178	179	-0.01	-			6		4		4		-1		-50	-1						
6260556	179	180	-0.01	-			8		4		5		-1		-50	-1						
6260557	180	181	-0.01	-			5		-3		5		-1		-50	-1						
6260558	181	182	-0.01	-0.01			8		-3		5		-1		-50	5						
6260559	182	183	-0.01	-			8		-3		5		-1		-50	4						
6260560	183	184.2	-0.01	-			15		-3		5		-1		-50	-1						
6260561	184.2	184.65	-0.01	-			16		-3		6		-1		-50	-1						
6260562	184.65	186	-0.01	-			7		-3		5		-1		-50	-1						
6260563	186	187	-0.01	-			5		-3		4		-1		-50	-1						
6260564	187	188	-0.01	-			4		-3		5		-1		-50	-1						
6260565	188	188.9	-0.01	-			3		-3		5		-1		-50	-1						
6260566	188.9	189.35	-0.01	-			10		-3		4		-1		-50	-1						
6260567	189.35	191	-0.01	-			7		-3		2		-1		-50	1						
6260568	191	192	-0.01	-			5		5		7		-1		-50	2						
6260569	192	193	-0.01	-			7		6		5		-1		-50	1						
6260570	193	194.55	-0.01	-			3		4		5		-1		-50	2						
6260571	194.55	196	-0.01	-			2		3		-2		-1		-50	2						
6260572	196	197	-0.01	-			-2		-3		4		-1		-50	-1						
6260573	197	199	-0.01	-0.01			-2		5		2		-1		-50	-1						
6260574	199	201	-0.01	-			2		3		3		-1		-50	-1						
6260575	201	203	-0.01	-			2		-3		-2		-1		-50	-1						
6260576	203	205	-0.01	-			-2		-3		-2		-1		-50	-1						

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Appendix 8

Assays for H99-1, H99-2 and H99-3

ASSAYS

Project: Cape Sorell **Prospect:** Hill 99 **Exploration Licence:** EL09/98 **Hole Number:** H99-1

		Units	ppm	ppm			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm							
		Detection Limit	0.01	0.01			4	2	5	3	4	2	2	1	1							
		Method	F630	F630			A104	A102	A104	A102	A104		A104	A102	H104							
Sample Number	**From**	**To**	**Au**	**Au(R1)**	**Au(R2)**	**Au(R3)**	**Cu**	**Cu(R1)**	**Pb**	**Pb(R1)**	**Zn**	**Zn(R1)**	**Ag**	**Ag(R1)**	**As**	**As(R1)**	**Sn**	**Pt**	**Pd**	**Ni**	**Fe**	**Bi**
8060001	28.0	29.0	-0.01	-			37	34	5	-3	110	85	-2	-1	-1							
8060002	29.0	30.0	-0.01	-			17	-	-5	-	115	-	-2	-	-1							
8060003	30.0	31.0	-0.01	-			13	-	-5	-	159	-	-2	-	-1							
8060004	31.0	32.0	-0.01	-			58	-	5	-	152	-	-2	-	8							
8060005	32.0	33.0	-0.01	-			30	-	-5	-	148	-	-2	-	-1							
8060006	33.0	34.0	-0.01	-			19	-	-5	-	139	-	-2	-	12							
8060007	34.0	35.0	-0.01	-			416	-	-5	-	197	-	-2	-	5							
8060008	35.0	36.0	-0.01	-			159	-	-5	-	214	-	-2	-	-1							
8060009	36.0	37.0	-0.01	-			76	-	-5	-	173	-	-2	-	4							
8060010	37.0	38.0	-0.01	-0.01			431	-	-5	-	152	-	-2	-	-1							
8060011	38.0	39.0	-0.01	-			314	270	-5	-3	225	195	-2	-1	4							
8060012	39.0	40.0	-0.01	-			190	-	-5	-	169	-	-2	-	-1							
8060013	40.0	41.0	-0.01	-			257	-	-5	-	174	-	-2	-	-1							
8060014	41.0	42.0	-0.01	-			93	-	7	-	189	-	-2	-	5							
8060015	42.0	43.0	-0.01	-			77	-	-5	-	167	-	-2	-	-1							
8060016	43.0	44.0	-0.01	-			8	-	-5	-	109	-	-2	-	-1							
8060017	44.0	45.0	-0.01	-0.01			17	-	6	-	106	-	-2	-	-1							
8060018	45.0	46.0	-0.01	-			47	-	6	-	131	-	-2	-	1							
8060019	46.0	47.0	-0.01	-			93	-	-5	-	187	-	-2	-	-1							
8060020	47.0	48.0	-0.01	-			122	-	-5	-	164	-	-2	-	-1							
8060021	48.0	49.0	-0.01	-			96	80	-5	-3	170	149	-2	-1	1							
8060022	49.0	50.0	-0.01	-			352	-	5	-	167	-	-2	-	-1							
8060023	50.0	51.0	-0.01	-			463	-	-5	-	160	-	-2	-	10							
8060024	51.0	52.0	-0.01	-			143	-	5	-	182	-	-2	-	-1							
8060025	52.0	53.0	-0.01	-			89	-	-5	-	168	-	-2	-	8							
8060026	53.0	54.0	-0.01	-			21	-	10	-	152	-	-2	-	-1							
8060027	54.0	55.0	-0.01	-			7	-	5	-	112	-	-2	-	2							

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		Units	ppm	ppm			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm							
		Detection Limit	0.01	0.01			4	2	5	3	4	2	2	1	1							
		Method	F630	F630			A104	A102	A104	A102	A104		A104	A102	H104							
Sample Number	**From**	**To**	**Au**	**Au(R1)**	**Au(R2)**	**Au(R3)**	**Cu**	**Cu(R1)**	**Pb**	**Pb(R1)**	**Zn**	**Zn(R1)**	**Ag**	**Ag(R1)**	**As**	**As(R1)**	**Sn**	**Pt**	**Pd**	**Ni**	**Fe**	**Bi**
8060028	55.0	56.0	-0.01	-			16	-	14	-	152	-	-2	-	-1							
8060029	56.0	57.0	-0.01	-			13	-	6	-	135	-	-2	-	-1							
8060030	57.0	58.0	-0.01	-			57	-	8	-	127	-	-2	-	-1							
8060031	58.0	59.0	-0.01	-			76	64	6	-3	131	103	-2	-1	-1							
8060032	59.0	60.0	-0.01	-			156	-	-5	-	177	-	-2	-	-1							
8060033	60.0	61.0	-0.01	-			377	-	-5	-	148	-	-2	-	9							
8060034	61.0	62.0	-0.01	-			413	-	9	-	122	-	-2	-	-1							
8060035	62.0	63.0	-0.01	-0.01			131	-	9	-	133	-	-2	-	-1							
8060036	63.0	64.0	-0.01	-			34	-	9	-	142	-	-2	-	-1							
8060037	64.0	65.0	-0.01	-0.01			298	-	18	-	152	-	-2	-	1							
8060038	65.0	66.0	-0.01	-			295	-	-5	-	165	-	-2	-	-1							
8060039	66.0	67.0	-0.01	-			192	-	8	-	140	-	-2	-	-1							
8060040	67.0	68.0	-0.01	-			236	-	5	-	159	-	-2	-	5							
8060041	68.0	69.0	-0.01	-			209	184	14	-3	150	125	-2	-1	7							
8060042	69.0	70.0	-0.01	-			174	-	10	-	113	-	-2	-	-1							
8060043	70.0	71.0	-0.01	-			312	-	7	-	163	-	-2	-	2							
8060044	71.0	71.5	-0.01	-			195	-	107	-	181	-	-2	-	-1							
8060045	71.5	73.0	-0.01	-			404	-	5	-	174	-	-2	-	7							
8060046	73.0	74.0	-0.01	-			414	-	67	-	195	-	-2	-	5							
8060047	74.0	75.0	-0.01	-			541	-	74	-	249	-	-2	-	5							
8060048	75.0	76.0	-0.01	-			272	-	55	-	230	-	-2	-	-1							
8060049	76.0	77.0	-0.01	-			269	-	-5	-	222	-	-2	-	8							
8060050	77.0	78.0	-0.01	-			544	-	-5	-	262	-	-2	-	7							
8060051	78.0	79.0	-0.01	-			739	722	-5	-3	214	179	-2	-1	-1							
8060052	79.0	79.75	-0.01	-0.01			226	-	18	-	180	-	-2	-	12							
8060053	79.75	81.0	-0.01	-			49	-	-5	-	188	-	-2	-	7							
8060054	81.0	82.0	-0.01	-			133	-	-5	-	162	-	-2	-	31							
8060055	82.00	82.46	-0.01	-			74	79	13	16	117	99	-2	-1	2							
8060056	82.46	82.60	0.38	0.38			136	-	120	-	128	-	-2	-	65							
8060057	82.60	84.00	-0.01	-			886	-	-5	-	138	-	-2	-	-1							
8060058	84.00	85.00	-0.01	-			196	-	-5	-	156	-	-2	-	-1							
8060059	85.00	86.00	-0.01	-			470	-	-5	-	128	-	-2	-	-1							

Sample Number	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
Units			ppm	ppm			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm							
Detection Limit			0.01	0.01			4	2	5	3	4	2	2	1	1							
Method			F630	F630			A104	A102	A104	A102	A104	A102	A104	A102	H104							
8060060	86.00	87.00	-0.01	-0.01			252	-	-5	-	160	-	-2	-	-1							
8060061	87.00	88.00	-0.01	-			130	-	-5	-	174	-	-2	-	5							
8060062	88.00	89.00	-0.01	-			142	-	5	-	180	-	-2	-	4							
8060063	89.00	90.00	-0.01	-			218	-	-5	-	186	-	-2	-	-1							
8060064	90.00	91.00	0.03	0.02			48	-	-5	-	211	-	-2	-	3							
8060065	91.00	91.40	-0.01	-			10	7	-5	-3	146	128	-2	-1	-1							
8060066	91.40	92.50	0.02	-			182	-	-5	-	190	-	-2	-	-1							
8060067	92.50	93.00	-0.01	-			265	-	-5	-	196	-	-2	-	6							
8060068	93.00	93.75	-0.01	-			3700	-	6	-	247	-	-2	-	-1							
8060069	93.75	94.50	0.02	-			147	-	-5	-	219	-	-2	-	12							
8060070	94.50	95.00	0.04	0.02			219	-	-5	-	179	-	-2	-	15							
8060071	95.00	96.00	0.03	0.04			469	-	-5	-	236	-	-2	-	3							
8060072	96.00	97.00	-0.01	-			421	-	-5	-	476	-	-2	-	10							
8060073	97.00	98.00	-0.01	-			133	-	-5	-	164	-	-2	-	4							
8060074	98.00	99.00	-0.01	-			117	-	-5	-	176	-	-2	-	6							
8060075	99.00	99.90	-0.01	-			13	8	-5	-3	158	147	-2	-1	-1							
8060076	99.90	100.20	-0.01	-			80	-	-5	-	81	-	-2	-	-1							
8060077	100.20	100.50	-0.01	-			38	-	-5	-	110	-	-2	-	2							
8060078	100.50	100.80	-0.01	-			157	-	-5	-	152	-	-2	-	4							
8060079	100.80	101.20	-0.01	-			180	-	-5	-	108	-	-2	-	2							
8060080	101.20	101.70	-0.01	-			126	-	-5	-	183	-	-2	-	5							
8060081	101.70	102.00	-0.01	-			251	-	-5	-	209	-	-2	-	5							
8060082	102.00	102.50	-0.01	-			468	-	-5	-	251	-	-2	-	-1							
8060083	102.50	103.00	-0.01	-			232	-	7	-	155	-	-2	-	-1							
8060084	103.00	104.00	-0.01	-			148	-	-5	-	198	-	-2	-	5							
8060085	104.00	105.00	-0.01	-			160	152	-5	-3	170	150	-2	-1	7							
8060086	105.00	105.50	0.06	0.08			200	-	-5	-	112	-	-2	-	10							
8060087	105.50	106.00	-0.01	-			393	-	-5	-	128	-	-2	-	12							
8060088	106.00	106.50	-0.01	-			144	-	9	-	115	-	-2	-	8							
8060089	106.50	107.00	-0.01	-0.01			110	-	-5	-	128	-	-2	-	-1							
8060090	107.00	107.50	-0.01	-			143	-	-5	-	104	-	-2	-	-1							
8060091	107.50	108.00	-0.01	-0.01			92	-	-5	-	104	-	-2	-	-1							

Sample Number	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
		Units	ppm	ppm			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm							
		Detection Limit	0.01	0.01			4	2	5	3	4	2	2	1	1							
		Method	F630	F630			A104	A102	A104	A102	A104	A102	A104	A102	H104							
8060092	108.00	108.50	-0.01	-			249	-	-5	-	96	-	-2	-	-1							
8060093	108.50	109.00	-0.01	-			69	-	-5	-	107	-	-2	-	7							
8060094	109.00	109.50	-0.01	-			108	-	-5	-	109	-	-2	-	1							
8060095	109.50	110.00	-0.01	-			67	63	-5	-3	117	82	-2	-1	7							
8060096	110.00	114.00	-0.01	-			121	-	-5	-	162	-	-2	-	6							
8060097	114.00	115.00	-0.01	-			121	-	-5	-	144	-	-2	-	4							
8060098	115.00	116.00	-0.01	-			133	-	-5	-	179	-	-2	-	-1							
8060099	116.00	117.00	-0.01	-			116	-	5	-	145	-	-2	-	4							
8060100	117.00	118.00	-0.01	-			89	-	7	-	181	-	-2	-	1							
8060101	118.00	119.00	-0.01	-			274	-	12	-	185	-	-2	-	-1							
8060102	119.00	120.00	-0.01	-			139	-	-5	-	229	-	-2	-	-1							
8060103	120.00	121.00	-0.01	-			133	-	-5	-	184	-	-2	-	-1							
8060104	121.00	122.00	-0.01	-			170	-	6	-	205	-	-2	-	26							
8060105	122.00	122.70	-0.01	-			60	55	6	-3	112	84	-2	-1	1							
8060106	122.70	123.00	-0.01	-0.01			887	-	6	-	84	-	-2	-	-1							
8060107	123.00	124.00	0.04	0.04			39	-	-5	-	100	-	-2	-	-1							
8060108	124.00	125.00	-0.01	-			330	-	-5	-	121	-	-2	-	5							
8060109	125.00	126.00	-0.01	-			205	-	19	-	217	-	-2	-	17							
8060110	126.00	126.50	-0.01	-			159	-	9	-	183	-	-2	-	5							
8060111	126.50	127.00	-0.01	-			207	-	16	-	156	-	-2	-	5							
8060112	127.00	128.00	-0.01	-			138	-	-5	-	182	-	-2	-	4							
8060113	128.00	129.00	-0.01	-			126	-	6	-	173	-	-2	-	5							
8060114	129.00	130.00	-0.01	-0.01			137	-	11	-	198	-	-2	-	1							
8060115	130.00	131.00	-0.01	-			711	681	6	-3	202	191	-2	-1	4							
8060116	131.00	133.00	-0.01	-			272	-	10	-	191	-	-2	-	2							
8060117	133.00	134.00	-0.01	-			758	-	13	-	199	-	-2	-	3							
8060118	134.00	134.80	-0.01	-			37	-	15	-	137	-	-2	-	3							
8060119	134.80	135.40	-0.01	-			114	-	11	-	212	-	-2	-	5							
8060120	135.40	136.00	-0.01	-			559	-	13	-	325	-	-2	-	-1							
8060121	136.00	136.50	-0.01	-			299	-	14	-	557	-	-2	-	7							
8060122	136.50	137.00	-0.01	-0.01			413	-	5	-	496	-	-2	-	9							
8060123	137.00	137.50	-0.01	-			102	-	-5	-	343	-	-2	-	3							

614203

		Units	ppm	ppm			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm						
		Detection Limit	0.01	0.01			4	2	5	3	4	2	2	1	1						
		Method	F630	F630			A104	A102	A104	A102	A104	A102	A104	A102	H104						
Sample Number	**From**	**To**	**Au**	**Au(R1)**	**Au(R2)**	**Au(R3)**	**Cu**	**Cu(R1)**	**Pb**	**Pb(R1)**	**Zn**	**Zn(R1)**	**Ag**	**Ag(R1)**	**As**	**As(R1)**	**Sn**	**Pt**	**Pd**	**Ni**	**Fe**	**Bi**
8060124	137.50	138.00	-0.01	-			237	-	7	-	229	-	-2	-	8						
8060125	138.00	138.50	-0.01	-			185	184	16	5	218	216	-2	-1	4						
8060126	138.50	139.00	-0.01	-			308	-	10	-	216	-	-2	-	3						
8060127	139.00	140.00	-0.01	-			54	-	11	-	143	-	-2	-	3						
8060128	140.00	140.50	-0.01	-			76	-	7	-	179	-	-2	-	7						
8060129	140.50	141.00	-0.01	-			85	-	10	-	149	-	-2	-	6						
8060130	141.00	142.00	-0.01	-			42	-	8	-	155	-	-2	-	12						
8060131	142.00	143.00	-0.01	-			79	-	8	-	204	-	-2	-	12						
8060132	143.00	143.60	-0.01	-			13	-	8	-	138	-	-2	-	-1						
8060133	143.60	144.00	-0.01	-			28	-	7	-	181	-	-2	-	3						
8060134	144.00	145.00	-0.01	-			48	-	6	-	305	-	-2	-	-1						
8060135	145.00	145.60	-0.01	-			269	263	5	-3	211	188	-2	-1	-1						
8060136	145.60	146.00	-0.01	-			1150	-	11	-	781	-	-2	-	16						
8060137	146.00	146.50	-0.01	-			266	-	-5	-	396	-	-2	-	1						
8060138	146.50	147.00	-0.01	-0.01			119	-	-5	-	435	-	-2	-	-1						
8060139	147.00	147.50	-0.01	-0.01			230	-	5	-	357	-	-2	-	-1						
8060140	147.50	148.50	-0.01	-			166	-	-5	-	407	-	-2	-	12						
8060141	148.50	149.50	-0.01	-			216	-	-5	-	271	-	-2	-	5						
8060142	149.50	150.50	-0.01	-			31	-	-5	-	368	-	-2	-	5						
8060143	150.50	151.00	-0.01	-			85	-	7	-	247	-	-2	-	-1						
8060144	151.00	152.10	-0.01	-			83	-	18	-	146	-	-2	-	-1						
8060145	152.10	152.55	-0.01	-			60	-	-5	-	310	-	-2	-	7						
8060146	152.55	153.50	-0.01	-			72	-	17	-	105	-	-2	-	7						
8060147	153.50	154.05	-0.01	-0.01			47	-	18	-	115	-	-2	-	3						
8060148	154.05	154.37	-0.01	-			7	-	-5	-	255	-	-2	-	3						
8060149	154.37	154.60	-0.01	-0.01			48	38	24	19	117	93	-2	-1	12						
8060150	154.60	155.25	-0.01	-			10	-	10	-	85	-	-2	-	1						
8060151	155.25	155.80	-0.01	-			85	-	33	-	67	-	-2	-	11						
8060152	155.80	156.10	-0.01	-			203	-	13	-	130	-	-2	-	5						
8060153	156.10	157.00	-0.01	-			96	-	-5	-	217	-	-2	-	4						
8060154	157.00	157.70	-0.01	-			103	-	7	-	247	-	-2	-	-1						
8060155	157.70	158.60	-0.01	-			25	-	7	-	136	-	-2	-	6						

Sample Number	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
Units			ppm	ppm			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm							
Detection Limit			0.01	0.01			4	2	5	3	4	2	2	1	1							
Method			F630	F630			A104	A102	A104	A102	A104	A102	A104	A102	H104							
8060156	158.60	159.50	-0.01	-			21	-	10	-	128	-	-2	-	2							
8060157	159.50	160.50	-0.01	-			61	-	10	-	243	-	-2	-	3							
8060158	160.50	161.00	-0.01	-			155	-	44	-	404	-	-2	-	8							
8060159	161.00	162.00	-0.01	-			134	116	32	24	243	223	-2	-1	7							
8060160	162.00	163.00	-0.01	-			94	-	8	-	163	-	-2	-	2							
8060161	163.00	163.20	-0.01	-			63	-	12	-	219	-	-2	-	15							
8060162	163.20	164.00	-0.01	-			93	-	-5	-	318	-	-2	-	16							
8060163	164.00	165.50	-0.01	-			75	-	10	-	401	-	-2	-	9							
8060164	165.50	166.00	-0.01	-			9	-	-5	-	43	-	-2	-	8							
8060165	166.00	166.50	-0.01	-			31	-	10	-	91	-	-2	-	2							
8060166	166.50	167.40	-0.01	-			10	-	6	-	94	-	-2	-	6							
8060167	167.40	168.00	-0.01	-0.01			38	-	7	-	114	-	-2	-	5							
8060168	168.00	168.50	-0.01	-			10	-	11	-	67	-	-2	-	10							
8060169	168.50	169.75	-0.01	-			42	36	12	8	104	94	-2	-1	2							
8060170	169.75	170.25	0.06	0.05			857	-	38	-	259	-	-2	-	3							
8060171	170.25	171.00	-0.01	-			48	-	17	-	168	-	-2	-	5							
8060172	171.00	172.00	-0.01	-			38	-	7	-	124	-	-2	-	8							
8060173	172.00	173.00	-0.01	-			38	-	11	-	152	-	-2	-	16							
8060174	173.00	174.00	-0.01	-0.01			25	-	-5	-	138	-	-2	-	1							
8060175	174.00	175.00	-0.01	-			30	-	23	-	127	-	-2	-	4							
8060176	175.00	176.00	-0.01	-			12	-	-5	-	126	-	-2	-	6							
8060177	176.00	177.00	-0.01	-			40	-	-5	-	117	-	-2	-	5							
8060178	177.00	178.00	-0.01	-			40	-	-5	-	109	-	-2	-	1							
8060179	178.00	179.00	-0.01	-			79	66	-5	-3	115	109	-2	-1	8							
8060180	179.00	180.00	-0.01	-			45	-	8	-	130	-	-2	-	2							
8060181	180.00	181.00	-0.01	-			55	-	5	-	114	-	-2	-	-1							
8060182	181.00	182.00	-0.01	-			33	-	-5	-	113	-	-2	-	4							
8060183	182.00	183.00	-0.01	-			13	-	-5	-	115	-	-2	-	3							
8060184	183.00	184.00	-0.01	-			24	-	14	-	107	-	-2	-	5							
8060185	184.00	185.00	-0.01	-			37	-	-5	-	192	-	-2	-	1							
8060186	185.00	186.00	-0.01	-			306	-	-5	-	95	-	-2	-	5							
8060187	186.00	187.00	-0.01	-			33	-	37	-	119	-	-2	-	12							

		Units	ppm	ppm			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm							
		Detection Limit	0.01	0.01			4	2	5	3	4	2	2	1	1							
		Method	F630	F630			A104	A102	A104	A102	A104	A102	A104	A102	H104							
Sample Number	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
8060188	187.00	188.00	-0.01	-			45	-	52	-	204	-	-2	-	10							
8060189	188.00	189.00	-0.01	-			46	39	35	31	163	155	-2	-1	3							
8060190	189.00	190.00	-0.01	-0.01			37	-	19	-	90	-	-2	-	-1							
8060191	190.00	191.00	-0.01	-			21	-	50	-	388	-	-2	-	10							
8060192	191.00	192.00	-0.01	-			23	-	21	-	94	-	-2	-	10							
8060193	192.00	193.00	-0.01	-			36	-	5	-	57	-	-2	-	17							
8060194	193.00	194.00	-0.01	-			44	-	-5	-	59	-	-2	-	7							
8060195	194.00	195.00	-0.01	-			24	-	9	-	142	-	-2	-	12							
8060196	195.00	196.00	-0.01	-			45	-	-5	-	75	-	-2	-	6							
8060197	196.00	197.00	-0.01	-			72	-	-5	-	87	-	-2	-	5							
8060198	197.00	198.00	-0.01	-			37	-	-5	-	115	-	-2	-	10							
8060199	198.00	199.00	-0.01	-0.01			506	436	22	12	170	161	-2	-1	5							
8060200	199.00	199.80	-0.01	-			130	-	29	-	221	-	-2	-	11							
8060201	199.80	200.00	-0.01	-			2550	-	38	-	147	-	-2	-	18							
8060202	200.00	201.00	-0.01	-			46	-	23	-	158	-	-2	-	13							
8060203	201.00	201.60	-0.01	-			50	-	14	-	126	-	-2	-	51							
8060204	201.60	202.00	0.03	0.04			640	-	52	-	293	-	-2	-	11							
8060205	202.00	203.00	-0.01	-0.01			89	-	12	-	135	-	-2	-	16							
8060206	203.00	203.70	-0.01	-			62	-	30	-	146	-	-2	-	17							
8060207	203.70	204.50	-0.01	-			40	-	59	-	181	-	-2	-	19							
8060208	204.50	205.00	-0.01	-0.01			8	-	11	-	49	-	-2	-	-1							
8060209	205.00	206.00	-0.01	-			31	20	19	10	49	46	-2	-1	-1							
8060210	206.00	207.00	-0.01	-			6	-	11	-	49	-	-2	-	-1							
8060211	207.00	208.00	-0.01	-			13	-	17	-	56	-	-2	-	5							
8060212	208.00	209.00	-0.01	-			7	-	13	-	69	-	-2	-	6							
8060213	209.00	210.40	-0.01	-			12	-	8	-	53	-	-2	-	-1							
8060214	210.40	211.50	-0.01	-			41	-	59	-	169	-	-2	-	8							
8060215	211.50	212.50	-0.01	-			45	-	49	-	236	-	-2	-	21							
8060216	212.50	213.50	-0.01	-			71	-	48	-	135	-	-2	-	27							
8060217	213.50	214.00	-0.01	-			126	-	49	-	184	-	-2	-	-1							
8060218	214.00	215.00	-0.01	-			135	-	62	-	321	-	-2	-	7							
8060219	215.00	216.00	-0.01	-			13	5	28	19	61	53	-2	-1	-1							

	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
		Units	ppm	ppm			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm							
		Detection Limit	0.01	0.01			4	2	5	3	4	2	2	1	1							
		Method	F630	F630			A104	A102	A104	A102	A104	A102	A104	A102	H104							
Sample Number	**From**	**To**	**Au**	**Au(R1)**	**Au(R2)**	**Au(R3)**	**Cu**	**Cu(R1)**	**Pb**	**Pb(R1)**	**Zn**	**Zn(R1)**	**Ag**	**Ag(R1)**	**As**	**As(R1)**	**Sn**	**Pt**	**Pd**	**Ni**	**Fe**	**Bi**
8060220	216.00	217.00	-0.01	-			9	-	21	-	58	-	-2	-	-1							
8060221	217.00	218.00	-0.01	-0.01			8	-	36	-	46	-	-2	-	-1							
8060222	218.00	219.00	-0.01	-			46	-	32	-	62	-	-2	-	1							
8060223	219.00	220.00	-0.01	-			49	-	58	-	219	-	-2	-	23							
8060224	220.00	220.60	-0.01	-0.01			48	-	84	-	282	-	-2	-	4							
8060225	220.60	222.00	-0.01	-			20	-	35	-	107	-	-2	-	-1							
8060226	222.00	223.00	-0.01	-			49	-	126	-	127	-	-2	-	3							
8060227	223.00	224.00	-0.01	-			22	10	39	27	85	73	-2	-1	13							
8060228	224.00	225.00	-0.01	-0.01			13	-	24	-	107	-	-2	-	4							
8060229	225.00	226.00	-0.01	-			23	20	13	12	122	102	-2	-1	-100	4						
8060230	226.00	227.00	-0.01	-			12	-	14	-	94	-	-2	-	-100	2						
8060231	227.00	228.00	-0.01	-			14	-	10	-	73	-	-2	-	-100	-1						
8060232	228.00	229.00	-0.01	-			21	-	22	-	90	-	-2	-	-100	6						
8060233	229.00	230.00	-0.01	-			52	-	43	-	105	-	-2	-	-100	7						
8060234	230.00	231.00	-0.01	-0.01			48	-	39	-	147	-	-2	-	-100	11						
8060235	231.00	232.00	-0.01	-			9	-	21	-	227	-	-2	-	-100	-1						
8060236	232.00	232.90	-0.01	-			8	-	92	-	242	-	-2	-	-100	-1						
8060237	232.90	233.10	-0.01	-0.01			25	-	531	-	205	-	-2	-	-100	10						
8060238	233.10	234.00	-0.01	-			12	-	55	-	231	-	-2	-	-100	-1						
8060239	234.00	235.00	-0.01	-			24	23	27	21	108	95	-2	-1	-100	-1						
8060240	235.00	236.00	-0.01	-			15	-	23	-	79	-	-2	-	-100	-1						
8060241	236.00	237.00	-0.01	-			24	-	17	-	76	-	-2	-	-100	6						
8060242	237.00	238.00	-0.01	-			11	-	10	-	54	-	-2	-	-100	-1						
8060243	238.00	239.00	-0.01	-0.01			9	-	9	-	85	-	-2	-	-100	4						
8060244	239.00	240.00	-0.01	-			12	-	17	-	64	-	-2	-	-100	-1						
8060245	240.00	241.00	-0.01	-			15	-	19	-	57	-	-2	-	-100	-1						
8060246	241.00	242.00	-0.01	-			17	-	25	-	59	-	-2	-	-100	1						
8060247	242.00	243.00	-0.01	-			17	-	19	-	71	-	-2	-	-100	-1						
8060248	243.00	244.00	-0.01	-			21	-	22	-	62	-	-2	-	-100	2						
8060249	244.00	245.00	-0.01	-			25	22	42	34	108	91	-2	-1	-100	2						
8060250	245.00	246.00	-0.01	-			10	-	11	-	102	-	-2	-	-100	3						
8060251	246.00	247.00	-0.01	-			12	-	-5	-	79	-	-2	-	-100	3						

		Units	ppm	ppm			A104	A102	A104	A102	A104	A102	A104	A102	A104	H104						
		Detection Limit	0.01	0.01		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm							
		Method	F630	F630		4	2	5	3	4	2	2	1	100	1							
Sample Number	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
8060252	247.00	248.00	-0.01	-			13	-	12	-	65	-	-2	-	-100	-1						
8060253	248.00	249.00	-0.01	-			13	-	14	-	67	-	-2	-	-100	3						
8060254	249.00	250.00	-0.01	-			17	-	23	-	67	-	-2	-	-100	-1						
8060255	250.00	251.00	-0.01	-			17	-	13	-	93	-	-2	-	-100	-1						
8060256	251.00	252.00	-0.01	-			18	-	38	-	119	-	-2	-	-100	3						
8060257	252.00	253.00	-0.01	-			10	-	5	-	146	-	-2	-	-100	-1						
8060258	253.00	253.60	-0.01	-			14	-	21	-	88	-	-2	-	-100	13						
8060259	253.60	255.00	-0.01	-			57	54	35	32	86	86	-2	-1	-100	47						
8060260	255.00	255.75	-0.01	-			10	-	32	-	49	-	-2	-	-100	4						
8060261	255.75	257.00	-0.01	-			11	-	30	-	79	-	-2	-	-100	2						
8060262	257.00	258.00	-0.01	-0.01			5	-	9	-	60	-	-2	-	-100	-1						
8060263	258.00	260.00	-0.01	-			5	-	19	-	61	-	-2	-	-100	2						
8060264	260.00	262.00	-0.01	-			-4	-	7	-	62	-	-2	-	-100	-1						
8060265	262.00	264.00	-0.01	-			5	-	-5	-	53	-	-2	-	-100	7						
8060266	264.00	266.00	-0.01	-			5	-	6	-	61	-	-2	-	-100	-1						
8060267	266.00	268.00	-0.01	-0.01			5	-	9	-	41	-	-2	-	-100	1						
8060268	268.00	270.00	-0.01	-			5	-	7	-	56	-	-2	-	-100	3						
8060269	270.00	271.00	-0.01	-			5	4	5	5	57	49	-2	-1	-100	-1						
8060270	271.00	272.00	-0.01	-			10	-	78	-	44	-	-2	-	-100	-1						
8060271	272.00	273.00	-0.01	-			14	-	12	-	59	-	-2	-	-100	-1						
8060272	273.00	275.00	-0.01	-			9	-	6	-	77	-	-2	-	-100	-1						
8060273	275.00	277.00	-0.01	-			7	-	8	-	63	-	-2	-	-100	-1						
8060274	277.00	279.00	-0.01	-			14	-	41	-	60	-	-2	-	-100	-1						
8060275	279.00	281.00	-0.01	-			10	-	11	-	61	-	-2	-	-100	4						
8060276	281.00	283.00	-0.01	-0.01			5	-	7	-	70	-	-2	-	-100	5						
8060277	283.00	285.00	-0.01	-			4	-	5	-	63	-	-2	-	-100	6						
8060278	285.00	287.00	-0.01	-			-4	-	8	-	52	-	-2	-	-100	8						
8060279	287.00	289.00	-0.01	-			-4	-	9	-	61	-	-2	-	-100	2						
8060280	289.00	291.00	-0.01	-			-4	-	7	-	48	-	-2	-	-100	5						
8060281	291.00	293.00	-0.01	-			4	-	14	-	76	-	-2	-	-100	1						
8060282	293.00	295.00	-0.01	-			4	-	12	-	61	-	-2	-	-100	7						
8060283	295.00	296.00	-0.01	-			5	-	-5	-	67	-	-2	-	-100	3						

ASSAYS

Project: Cape Sorell **Prospect:** Hill 99 **Exploration Licence:** EL09/98 **Hole Number:** H99-2

		Units	ppm	ppm			ppm		ppm		ppm		ppm		ppm							
		Detection Limit	0.01	0.01			2		3		2		1		1							
		Method	F630	F630			A102		A102		A102		A102		H102							
Sample Number	**From**	**To**	**Au**	**Au(R1)**	**Au(R2)**	**Au(R3)**	**Cu**	**Cu(R1)**	**Pb**	**Pb(R1)**	**Zn**	**Zn(R1)**	**Ag**	**Ag(R1)**	**As**	**As(R1)**	**Sn**	**Pt**	**Pd**	**Ni**	**Fe**	**Bi**
8060284	28.85	30.00	-0.01	-			155		4		83		-1		3							
8060285	30.00	31.00	-0.01	-			26		5		72		-1		3							
8060286	31.00	32.60	-0.01	-			50		4		57		-1		1							
8060287	32.60	34.00	-0.01	-			90		-3		97		-1		-1							
8060288	34.00	35.00	-0.01	-			66		5		94		-1		3							
8060289	35.00	36.00	-0.01	-			21		3		68		-1		3							
8060290	36.00	37.00	-0.01	-			31		-3		68		-1		3							
8060291	37.00	38.00	-0.01	-			126		3		78		-1		6							
8060292	38.00	39.00	-0.01	-			19		-3		68		-1		-1							
8060293	39.00	40.00	-0.01	-0.01			20		4		80		-1		2							
8060294	40.00	41.00	-0.01	-			47		-3		73		-1		5	5						
8060295	41.00	42.00	-0.01	-			11		-3		87		-1		1	1						
8060296	42.00	43.00	-0.01	-			27		4		79		-1		2	2						
8060297	43.00	44.00	-0.01	-			51		5		94		-1		2	2						
8060298	44.00	45.00	-0.01	-			20		5		74		-1		4	4						
8060299	45.00	46.00	-0.01	-			74		16		76		-1		4	4						
8060300	46.00	47.00	-0.01	-0.01			40		61		74		-1		3	3						
8060301	47.00	48.00	-0.01	-			10		3		114		-1		3	3						
8060302	48.00	49.00	-0.01	-			10		5		105		-1		2	2						
8060303	49.00	50.00	-0.01	-			8		-3		110		-1		5	5						
8060304	50.00	51.00	-0.01	-			7		10		98		-1		1	1						
8060305	51.00	52.00	-0.01	-			9		7		121		-1		2	2						
8060306	52.00	53.00	-0.01	-			7		-3		130		-1		3	3						
8060307	53.00	54.00	-0.01	-			20		4		113		-1		3	3						
8060308	54.00	55.00	-0.01	-			30		4		120		-1		4	4						
8060309	55.00	56.00	-0.01	-			6		6		136		-1		3	3						
8060310	56.00	57.00	-0.01	-			9		4		100		-1		3	3						

614209

		Units	ppm	ppm			ppm		ppm		ppm		ppm		ppm							
		Detection Limit	0.01	0.01			2		3		2		1		1							
		Method	F630	F630			A102		A102		A102		A102		H102							
Sample Number	**From**	**To**	**Au**	**Au(R1)**	**Au(R2)**	**Au(R3)**	**Cu**	**Cu(R1)**	**Pb**	**Pb(R1)**	**Zn**	**Zn(R1)**	**Ag**	**Ag(R1)**	**As**	**As(R1)**	**Sn**	**Pt**	**Pd**	**Ni**	**Fe**	**Bi**
8060311	57.00	58.00	-0.01	-			7		5		129		-1		4	4						
8060312	58.00	59.00	-0.01	-			10		3		161		-1		4	4						
8060313	59.00	60.00	-0.01	-			55		5		205		-1		3	3						
8060314	60.00	61.00	-0.01	-			291		10		173		-1		2	2						
8060315	61.00	62.00	-0.01	-			128		6		212		-1		2	2						
8060316	62.00	63.00	-0.01	-			222		5		186		-1		3	3						
8060317	63.00	64.00	-0.01	-0.01			287		3		167		-1		-1	-1						
8060318	64.00	65.00	-0.01	-0.01			513		8		162		-1		1	1						
8060319	65.00	66.00	-0.01	-			418		5		180		-1		2	2						
8060320	66.00	67.00	-0.01	-			179		5		153		-1		3	3						
8060321	67.00	68.00	-0.01	-			127		8		159		-1		4	4						
8060322	68.00	69.00	-0.01	-			27		8		126		-1		1	1						
8060323	69.00	70.00	-0.01	-			45		6		133		-1		5	5						
8060324	70.00	71.00	-0.01	-			68		4		150		-1		2	2						
8060325	71.00	72.00	-0.01	-			58		4		121		-1		2	2						
8060326	72.00	73.00	-0.01	-			192		9		90		-1		4	4						
8060327	73.00	74.00	-0.01	-			214		-3		110		-1		1	1						
8060328	74.00	75.00	-0.01	-			51		5		100		-1		4	4						
8060329	75.00	76.00	-0.01	-			7		6		80		-1		2	2						
8060330	76.00	76.90	-0.01	-			26		8		83		-1		4	4						
8060331	76.90	78.00	-0.01	-			52		3		134		-1		9	9						
8060332	78.00	79.00	-0.01	-			48		-3		133		-1		2	2						
8060333	79.00	80.00	-0.01	-			76		-3		116		-1		4	4						
8060334	80.00	81.00	-0.01	-0.01			467		-3		97		-1		3	3						
8060335	81.00	82.38	-0.01	-			119		4		67		-1		3	3						
8060336	82.38	82.50	-0.01	-			25		4		81		-1		6	6						
8060337	82.50	84.00	-0.01	-			183		-3		102		-1		3	3						
8060338	84.00	85.00	-0.01	-			210		-3		140		-1		3	3						
8060339	85.00	86.00	-0.01	-			148		-3		149		-1		-50	-1						
8060340	86.00	87.00	-0.01	-			156		-3		187		-1		-50	-1						
8060341	87.00	88.00	-0.01	-			332		8		162		-1		-50	1						
8060342	88.00	89.00	-0.01	-			516		14		180		-1		-50	1						

		Units	ppm	ppm			ppm		ppm		ppm		ppm		ppm	ppm					
		Detection Limit	0.01	0.01			2		3		2		1		50	1					
		Method	F630	F630			A102		A102		A102		A102		A102	H102					
Sample Number	**From**	**To**	**Au**	**Au(R1)**	**Au(R2)**	**Au(R3)**	**Cu**	**Cu(R1)**	**Pb**	**Pb(R1)**	**Zn**	**Zn(R1)**	**Ag**	**Ag(R1)**	**As**	**As(R1)**	**Sn**	**Pt**	**Pd**	**Ni**	**Fe**	**Bi**
8060343	89.00	90.00	-0.01	-			270		13		193		-1		-50	-1						
8060344	90.00	91.00	-0.01	-			507		24		174		-1		-50	-1						
8060345	91.00	92.00	-0.01	-			110		25		186		-1		-50	-1						
8060346	92.00	93.00	-0.01	-			510		10		178		-1		-50	-1						
8060347	93.00	94.00	-0.01	-			205		5		124		-1		-50	-1						
8060348	94.00	95.35	-0.01	-0.01			197		3		132		-1		-50	-1						
8060349	95.35	96.50	-0.01	-			131		9		112		-1		-50	-1						
8060350	96.50	98.00	-0.01	-			68		-3		151		-1		-50	-1						
8060351	98.00	99.00	-0.01	-			207		-3		133		-1		-50	-1						
8060352	99.00	100.00	-0.01	-			400		-3		92		-1		-50	-1						
8060353	100.00	101.00	-0.01	-			141		3		101		-1		-50	-1						
8060354	101.00	102.00	-0.01	-			203		-3		105		-1		-50	-1						
8060355	102.00	103.00	-0.01	-			156		-3		114		-1		-50	7						
8060356	103.00	104.00	-0.01	-0.01			48		6		103		-1		-50	3						
8060357	104.00	105.00	-0.01	-			161		4		103		-1		-50	2						
8060358	105.00	106.00	-0.01	-			212		3		108		-1		-50	-1						
8060359	106.00	107.00	-0.01	-			88		-3		133		-1		-50	1						
8060360	107.00	108.00	-0.01	-			149		5		115		-1		-50	1						
8060361	108.00	109.00	-0.01	-			220		3		127		-1		-50	-1						
8060362	109.00	110.00	-0.01	-			239		-3		122		-1		-50	1						
8060363	110.00	111.00	-0.01	-			147		8		133		-1		-50	-1						
8060364	111.00	111.50	-0.01	-			78		15		94		-1		-50	2						
8060365	111.50	113.00	-0.01	-			101		6		150		-1		-50	1						
8060366	113.00	114.00	-0.01	-			291		3		172		-1		-50	-1						
8060367	114.00	115.00	-0.01	-			203		3		110		-1		-50	-1						
8060368	115.00	116.00	-0.01	-			248		3		173		-1		-50	7						
8060369	116.00	117.00	-0.01	-			199		20		162		-1		-50	2						
8060370	117.00	117.60	-0.01	-			210		-3		134		-1		-50	1						
8060371	117.60	117.80	-0.01	-			90		4		123		-1		-50	1						
8060372	117.80	119.00	-0.01	-			155		4		97		-1		-50	1						
8060373	119.00	120.00	-0.01	-0.01			143		5		143		-1		-50	-1						
8060374	120.00	121.00	-0.01	-			131		3		143		-1		-50	-1						

614211

Sample Number	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
		Units	ppm	ppm			ppm		ppm		ppm		ppm		ppm	ppm						
		Detection Limit	0.01	0.01			2		3		2		1		50	1						
		Method	F630	F630			A102		A102		A102		A102		A102	H102						
8060375	121.00	121.90	-0.01	-			95		3		133		-1		-50	-1						
8060376	121.90	122.10	-0.01	-			312		6		88		-1		-50	-1						
8060377	122.10	123.00	-0.01	-			310		-3		130		-1		-50	4						
8060378	123.00	124.50	-0.01	-			145		4		104		-1		-50	-1						
8060379	124.50	125.70	-0.01	-			248		7		88		-1		-50	2						
8060380	125.70	126.50	-0.01	-			38		4		91		-1		-50	-1						
8060381	126.50	128.00	-0.01	-			317		3		123		-1		-50	1						
8060382	128.00	129.00	-0.01	-			254		-3		60		-1		-50	2						
8060383	129.00	130.00	-0.01	-			62		-3		115		-1		-50	-1						
8060384	130.00	131.00	-0.01	-0.01			118		4		107		-1		-50	-1						
8060385	131.00	132.00	-0.01	-			190		4		95		-1		-50	-1						
8060386	132.00	133.00	-0.01	-			113		-3		109		-1		-50	-1						
8060387	133.00	134.00	-0.01	-			140		12		146		-1		-50	-1						
8060388	134.00	135.00	-0.01	-			173		8		199		-1		-50	-1						
8060389	135.00	136.00	-0.01	-			109		-3		205		-1		-50	-1						
8060390	136.00	137.00	-0.01	-			139		-3		120		-1		-50	3						
8060391	137.00	138.00	-0.01	-			134		4		90		-1		-50	-1						
8060392	138.00	139.40	-0.01	-			135		-3		133		-1		-50	-1						
8060393	139.40	140.00	-0.01	-			117		-3		100		-1		-50	1						
8060394	140.00	141.00	-0.01	-			149		-3		76		-1		-50	-1						
8060395	141.00	142.00	-0.01	-			126		-3		84		-1		-50	-1						
8060396	142.00	143.00	-0.01	-			113		-3		85		-1		-50	-1						
8060397	143.00	144.00	-0.01	-			152		-3		90		-1		-50	-1						
8060398	144.00	145.00	-0.01	-0.01			154		-3		93		-1		-50	6						
8060399	145.00	146.00	-0.01	-			164		-3		88		-1		-50	-1						
8060400	146.00	147.00	-0.01	-			140		-3		83		-1		-50	-1						
8060401	147.00	148.00	-0.01	-			155		4		90		-1		-50	-1						
8060402	148.00	149.00	-0.01	-			138		-3		100		-1		-50	-1						
8060403	149.00	150.00	-0.01	-			157		-3		102		-1		-50	-1						
8060404	150.00	151.00	-0.01	-			147		7		91		-1		-50	2						
8060405	151.00	152.00	-0.01	-			141		-3		80		-1		-50	2						
8060406	152.00	153.00	-0.01	-			139		-3		108		-1		-50	-1						

		Units	ppm	ppm			ppm		ppm		ppm		ppm		ppm	ppm						
		Detection Limit	0.01	0.01			2		3		2		1		50	1						
		Method	F630	F630			A102		A102		A102		A102		A102	H102						
Sample Number	**From**	**To**	**Au**	**Au(R1)**	**Au(R2)**	**Au(R3)**	**Cu**	**Cu(R1)**	**Pb**	**Pb(R1)**	**Zn**	**Zn(R1)**	**Ag**	**Ag(R1)**	**As**	**As(R1)**	**Sn**	**Pt**	**Pd**	**Ni**	**Fe**	**Bi**
8060407	153.00	154.00	-0.01	-			81		-3		108		-1		-50	-1						
8060408	154.00	155.00	-0.01	-0.01			129		-3		111		-1		-50	-1						
8060409	155.00	156.00	-0.01	-			137		-3		98		-1		-50	-1						
8060410	156.00	157.00	-0.01	-			133		-3		135		-1		-50	-1						
8060411	157.00	158.00	-0.01	-			116	-	-3		130		-1		-50	-1						
8060412	158.00	159.00	-0.01	-			141	-	-3		152		-1		-50	1						
8060413	159.00	160.00	-0.01	-			114	-	-3		120		-1		-50	-1						
8060414	160.00	161.00	-0.01	-			140	-	-3		135		-1		-50	-1						
8060415	161.00	162.00	-0.01	-			44	-	-3		137		-1		-50	-1						
8060416	162.00	162.50	-0.01	-0.01			13	-	6		91		-1		-50	2						
8060417	162.50	164.40	-0.01	-			184	-	-3		124		-1		-50	-1						
8060418	164.40	166.00	-0.01	-			303	-	3		151		-1		-50	-1						
8060419	166.00	167.00	-0.01	-			267	-	-3		100		-1		-50	-1						
8060420	167.00	168.00	-0.01	-0.01			77	-	-3		95		-1		-50	-1						
8060421	168.00	169.00	-0.01	-			53	-	-3		101		-1		-50	1						
8060422	169.00	170.00	-0.01	-			18	-	-3		89		-1		-50	6						
8060423	170.00	171.00	-0.01	-			6	-	-3		91		-1		-50	-1						
8060424	171.00	172.00	-0.01	-			9	-	3		92		-1		-50	-1						
8060425	172.00	173.00	-0.01	-			714	-	-3		101		-1		-50	-1						
8060426	173.00	174.00	-0.01	-			1015	-	11		117		-1		-50	-1						
8060427	174.00	175.00	-0.01	-			278	-	-3		108		-1		-50	1						
8060428	175.00	176.00	-0.01	-			332	-	9		107		-1		-50	-1						
8060429	176.00	177.00	-0.01	-			749	-	4		97		-1		-50	-1						
8060430	177.00	178.00	-0.01	-			12	-	-3		83		-1		-50	-1						
8060431	178.00	179.00	-0.01	-			16	-	5		86		-1		-50	-1						
8060432	179.00	180.00	-0.01	-			107	-	9		149		-1		-50	-1						
8060433	180.00	181.00	-0.01	-			8	-	3		90		-1		-50	2						
8060434	181.00	182.00	-0.01	-			6	-	-3		127		-1		-50	9						
8060435	182.00	183.00	-0.01	-			45	-	-3		101		-1		-50	6						
8060436	183.00	184.00	-0.01	-			83	-	-3		78		-1		-50	2						
8060437	184.00	185.00	-0.01	-0.01			83	-	7		118		-1		-50	2						
8060438	185.00	186.00	-0.01	-			58	-	3		158		-1		-50	5						

		Units	ppm	ppm			ppm	%	ppm		ppm		ppm		ppm	ppm						
		Detection Limit	0.01	0.01			2	0.01	3		2		1		50	1						
		Method	F630	F630			A102	A103	A102		A102		A102		A102	H102						
Sample Number	**From**	**To**	**Au**	**Au(R1)**	**Au(R2)**	**Au(R3)**	**Cu**	**Cu(R1)**	**Pb**	**Pb(R1)**	**Zn**	**Zn(R1)**	**Ag**	**Ag(R1)**	**As**	**As(R1)**	**Sn**	**Pt**	**Pd**	**Ni**	**Fe**	**Bi**
8060439	186.00	187.00	-0.01	-			48	-	-3		169		-1		-50	3						
8060440	187.00	188.00	-0.01	-			102	-	-3		197		-1		-50	2						
8060441	188.00	189.00	-0.01	-			85	-	-3		193		-1		-50	4						
8060442	189.00	190.00	-0.01	-			498	-	4		199		-1		-50	3						
8060443	190.00	191.00	-0.01	-			139	-	6		197		-1		-50	-1						
8060444	191.00	192.00	-0.01	-			162	-	5		169		-1		-50	3						
8060445	192.00	193.00	-0.01	-0.01			181	-	7		154		-1		-50	6						
8060446	193.00	194.00	-0.01	-			97	-	5		137		-1		-50	-1						
8060447	194.00	195.00	-0.01	-0.01			122	-	-3		300		-1		-50	3						
8060448	195.00	196.00	-0.01	-			39	-	-3		246		-1		-50	2						
8060449	196.00	197.00	-0.01	-			57	-	5		218		-1		-50	2						
8060450	197.00	198.00	-0.01	-			69	-	3		222		-1		-50	1						
8060451	198.00	199.00	-0.01	-0.01			12	-	3		224		-1		-50	-1						
8060452	199.00	200.00	-0.01	-			41	-	-3		134		-1		-50	6						
8060453	200.00	201.00	-0.01	-			51	-	-3		193		-1		-50	1						
8060454	201.00	202.00	-0.01	-			231	-	3		172		-1		-50	2						
8060455	202.00	203.00	-0.01	-			30	-	4		183		-1		-50	4						
8060456	203.00	204.00	-0.01	-			39	-	4		202		-1		-50	3						
8060457	204.00	205.00	-0.01	-			61	-	5		178		-1		-50	1						
8060458	205.00	205.80	-0.01	-			67	-	-3		134		-1		-50	-1						
8060459	205.80	207.00	0.05	0.03			67	-	-3		118		-1		-50	4						
8060460	207.00	207.70	-0.01	-			89	-	-3		156		-1		-50	5						
8060461	207.70	208.15	0.23	0.2			137	-	10		93		-1		-50	9						
8060462	208.15	209.00	0.02	-			28	-	6		59		-1		-50	5						
8060463	209.00	210.30	-0.01	-			78	-	15		312		-1		-50	5						
8060464	210.30	212.00	-0.01	-			96	-	3		153		-1		-50	5						
8060465	212.00	213.00	-0.01	-			181	-	13		170		-1		-50	-1						
8060466	213.00	214.00	0.04	-0.01			198	-	4		169		-1		-50	-1						
8060467	214.00	215.00	-0.01	-			85	-	-3		231		-1		-50	1						
8060468	215.00	216.00	-0.01	-			175	-	-3		162		-1		-50	3						
8060469	216.00	217.00	-0.01	-			119	-	-3		223		-1		-50	-1						
8060470	217.00	218.00	-0.01	-0.01			90	-	3		142		-1		-50	2						

Sample Number	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
		Units	ppm	ppm			ppm	%	ppm		ppm		ppm		ppm	ppm						
		Detection Limit	0.01	0.01			2	0.01	3		2		1		50	1						
		Method	F630	F630			A102	A103	A102		A102		A102		A102	H102						
8060471	218.00	218.50	-0.01	-			712	-	9		248		-1		-50	4						
8060472	218.50	218.85	0.03	-0.01			>5000	0.59	11		430		2		-50	6						
8060473	218.85	220.00	-0.01	-			436	-	-3		288		-1		-50	5						
8060474	220.00	221.00	-0.01	-			187	-	3		159		-1		-50	1						
8060475	221.00	222.00	-0.01	-0.01			613	-	7		153		-1		-50	4						
8060476	222.00	223.00	-0.01	-			306	-	8		218		-1		-50	1						
8060477	223.00	224.00	-0.01	-			240	-	18		176		-1		-50	6						
8060478	224.00	225.00	-0.01	-			264	-	4		189		-1		-50	3						
8060479	225.00	226.20	-0.01	-			268	-	-3		292		-1		-50	1						
8060480	226.20	226.40	-0.01	-			197	-	7		128		-1		-50	1						
8060481	226.40	226.85	-0.01	-			27	-	3		152		-1		-50	4						
8060482	226.85	227.15	-0.01	-			263	-	5		80		-1		-50	4						
8060483	227.15	228.00	-0.01	-			168	-	3		164		-1		-50	2						
8060484	228.00	229.00	-0.01	-			102	-	18		144		-1		-50	4						
8060485	229.00	230.00	-0.01	-			54		63		117		-1		4							
8060486	230.00	231.75	-0.01	-			57		37		169		-1		1							
8060487	231.75	232.00	-0.01	-			46		110		152		-1		3							
8060488	232.00	233.00	-0.01	-			50		10		154		-1		4							
8060489	233.00	234.00	-0.01	-			28		28		165		-1		-1							
8060490	234.00	235.00	-0.01	-			120		11		95		-1		4							
8060491	235.00	236.00	-0.01	-			19		3		63		-1		-1							
8060492	236.00	237.00	-0.01	-			21		3		89		-1		-1							
8060493	237.00	238.00	-0.01	-			36		-3		106		-1		-1							
8060494	238.00	239.00	-0.01	-0.01			17		-3		119		-1		-1							
8060495	239.00	240.00	-0.01	-			12		-3		149		-1		3							
8060496	240.00	241.00	-0.01	-			89		3		168		-1		-1							
8060497	241.00	242.00	-0.01	-			161		3		148		-1		-1							
8060498	242.00	243.00	-0.01	-			24		-3		145		-1		2							
8060499	243.00	244.00	-0.01	-			199		6		119		-1		-1							
8060500	244.00	245.00	-0.01	-			25		3		114		-1		-1							
8060501	245.00	246.45	-0.01	-			28		6		105		-1		-1							
8060502	246.45	247.55	-0.01	-			92		22		70		-1		-1							

Sample Number	From	To	Au	Au(R1)	Au(R2)	Au(R3)	Cu	Cu(R1)	Pb	Pb(R1)	Zn	Zn(R1)	Ag	Ag(R1)	As	As(R1)	Sn	Pt	Pd	Ni	Fe	Bi
		Units	ppm	ppm			ppm		ppm		ppm		ppm		ppm							
		Detection Limit	0.01	0.01			2		3		2		1		1							
		Method	F630	F630			A102		A102		A102		A102		H102							
8060503	247.55	249.00	-0.01	-0.01			197		30		132		-1		-1							
8060504	249.00	250.00	0.15	0.15			16		53		351		-1		4							
8060505	250.00	251.00	-0.01	-			24		5		125		-1		-1							
8060506	251.00	252.00	-0.01	-0.01			23		4		97		-1		-1							
8060507	252.00	253.00	-0.01	-			35		61		349		-1		1							
8060508	253.00	254.00	-0.01	-			19		48		284		-1		-1							
8060509	254.00	255.50	-0.01	-			79		13		116		-1		-1							

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ASSAYS

Project: Cape Sorell **Prospect:** Hill 99 **Exploration Licence:** EL09/98 **Hole Number:** H99-3

		Units	ppm	ppm			ppm		ppm		ppm		ppm		ppm	ppm						
		Detection Limit	0.01	0.01			2		3		2		1		50	1						
		Method	F630	F630			A102		A102		A102		A102		A102	H102						
Sample Number	**From**	**To**	**Au**	**Au(R1)**	**Au(R2)**	**Au(R3)**	**Cu**	**Cu(R1)**	**Pb**	**Pb(R1)**	**Zn**	**Zn(R1)**	**Ag**	**Ag(R1)**	**As**	**As(R1)**	**Sn**	**Pt**	**Pd**	**Ni**	**Fe**	**Bi**
8060510	0	5.5	-0.01	-			58		-3		78		-1		-50	3						
8060511	5.5	7.0	-0.01	-			55		-3		89		-1		-50	-1						
8060512	7.0	9.0	-0.01	-			73		-3		96		-1		-50	2						
8060513	9.0	10.0	-0.01	-0.01			121		-3		72		-1		-50	4						
8060514	10.0	11.0	-0.01	-			82		-3		85		-1		-50	-1						
8060515	11.0	12.0	-0.01	-			97		-3		80		-1		-50	-1						
8060516	12.0	13.0	-0.01	-			77		-3		71		-1		-50	1						
8060517	13.0	14.0	-0.01	-			100		-3		90		-1		-50	2						
8060518	14.0	15.0	-0.01	-			91		-3		77		-1		-50	-1						
8060519	15.0	16.0	-0.01	-0.01			122		-3		88		-1		-50	1						
8060520	16.0	17.0	-0.01	-			111		-3		87		-1		-50	-1						
8060521	17.0	18.0	-0.01	-			59		-3		77		-1		-50	2						
8060522	18.0	19.0	-0.01	-			42		-3		75		-1		-50	2						
8060523	19.0	20.0	-0.01	-			31		-3		64		-1		-50	2						
8060524	20.0	21.0	-0.01	-			4		-3		52		-1		-50	-1						
8060525	21.0	22.0	-0.01	-			5		-3		81		-1		-50	1						
8060526	22.0	23.0	-0.01	-			10		-3		55		-1		-50	-1						
8060527	23.0	24.0	-0.01	-			11		-3		42		-1		-50	-1						
8060528	24.0	25.0	-0.01	-			15		-3		36		-1		-50	2						
8060529	25.0	26.0	-0.01	-			16		-3		39		-1		-50	1						
8060530	26.0	27.0	-0.01	-			32		5		55		-1		-50	7						
8060531	27.0	28.0	-0.01	-			26		4		65		-1		-50	1						
8060532	28.0	29.0	-0.01	-			40		4		64		-1		-50	-1						
8060533	29.0	30.0	-0.01	-			47		8		53		-1		-50	-1						
8060534	30.0	31.0	-0.01	-			45		-3		37		-1		-50	2						
8060535	31.0	32.0	-0.01	-0.01			51		-3		44		-1		-50	-1						
8060536	32.0	33.0	-0.01	-			42		-3		59		-1		-50	3						

614217

		Units	ppm	ppm			ppm		ppm		ppm		ppm		ppm	ppm						
		Detection Limit	0.01	0.01			2		3		2		1		50	1						
		Method	F630	F630			A102		A102		A102		A102		A102	H102						
Sample Number	**From**	**To**	**Au**	**Au(R1)**	**Au(R2)**	**Au(R3)**	**Cu**	**Cu(R1)**	**Pb**	**Pb(R1)**	**Zn**	**Zn(R1)**	**Ag**	**Ag(R1)**	**As**	**As(R1)**	**Sn**	**Pt**	**Pd**	**Ni**	**Fe**	**Bi**
8060537	33.0	34.0	-0.01	-			39		-3		48		-1		-50	6						
8060538	34.0	35.0	-0.01	-			41		-3		38		-1		-50	-1						
8060539	35.0	36.0	-0.01	-			32		-3		140		-1		-50	2						
8060540	36.0	37.0	-0.01	-			19		6		155		-1		-50	-1						
8060541	37.0	38.0	-0.01	-			40		-3		140		-1		-50	-1						
8060542	38.0	39.0	-0.01	-			37		-3		89		-1		-50	-1						
8060543	39.0	40.0	-0.01	-			38		7		86		-1		-50	-1						
8060544	40.0	41.0	-0.01	-0.01			40		5		70		-1		-50	-1						
8060545	41.0	42.0	-0.01	-			30		-3		79		-1		-50	-1						
8060546	42.0	43.0	-0.01	-			16		-3		42		-1		-50	-1						
8060547	43.0	44.0	-0.01	-			11		-3		56		-1		-50	1						
8060548	44.0	45.0	-0.01	-			12		3		63		-1		-50	-1						
8060549	45.0	46.0	-0.01	-			12		7		67		-1		-50	-1						
8060550	46.0	47.0	-0.01	-0.01			17		3		77		-1		-50	-1						
8060551	47.0	48.0	-0.01	-			200	-	3		71		-1		-50	-1						
8060552	48.0	49.0	-0.01	-			24	-	-3		65		-1		-50	-1						
8060553	49.0	50.0	-0.01	-			9	-	9		66		-1		-50	-1						
8060554	50.0	51.0	-0.01	-			8	-	6		77		-1		-50	-1						
8060555	51.0	52.0	-0.01	-			11	-	-3		68		-1		-50	-1						
8060556	52.0	53.0	-0.01	-			14	-	-3		83		-1		-50	-1						
8060557	53.0	54.0	-0.01	-			8	-	-3		88		-1		-50	3						
8060558	54.0	55.0	-0.01	-			16	-	-3		121		-1		-50	2						
8060559	55.0	56.0	-0.01	-			36	-	6		143		-1		-50	2						
8060560	56.0	57.0	-0.01	-0.01			16	-	-3		96		-1		-50	3						
8060561	57.0	58.0	-0.01	-			14	-	-3		59		-1		-50	-1						
8060562	58.0	59.0	-0.01	-			37	-	-3		68		-1		-50	-1						
8060563	59.0	60.0	-0.01	-			20	-	3		73		-1		-50	-1						
8060564	60.0	61.0	-0.01	-			10	-	5		91		-1		-50	5						
8060565	61.0	62.0	-0.01	-			5	-	4		111		-1		-50	3						
8060566	62.0	63.0	-0.01	-			8	-	-3		132		-1		-50	7						
8060567	63.0	64.0	-0.01	-			6	-	-3		124		-1		-50	-1						
8060568	64.0	65.0	-0.01	-			4	-	-3		117		-1		-50	-1						

614215

		Units	ppm	ppm			ppm	%	ppm		ppm		ppm		ppm	ppm						
		Detection Limit	0.01	0.01			2	0.01	3		2		1		50	1						
		Method	F630	F630			A102	A103	A102		A102		A102		A102	H102						
Sample Number	**From**	**To**	**Au**	**Au(R1)**	**Au(R2)**	**Au(R3)**	**Cu**	**Cu(R1)**	**Pb**	**Pb(R1)**	**Zn**	**Zn(R1)**	**Ag**	**Ag(R1)**	**As**	**As(R1)**	**Sn**	**Pt**	**Pd**	**Ni**	**Fe**	**Bi**
8060569	65.0	66.0	-0.01	-0.01			4	-	5		36		-1		-50	-1						
8060570	66.0	67.0	-0.01	-			9	-	5		60		-1		-50	1						
8060571	67.0	68.0	-0.01	-			10	-	4		68		-1		-50	4						
8060572	68.0	69.0	-0.01	-			7	-	-3		95		-1		-50	1						
8060573	69.0	70.0	-0.01	-			32	-	-3		95		-1		-50	-1						
8060574	70.0	71.0	-0.01	-			7	-	-3		57		-1		-50	-1						
8060575	71.0	72.0	-0.01	-			12	-	-3		28		-1		-50	3						
8060576	72.0	73.0	-0.01	-			5	-	-3		36		-1		-50	4						
8060577	73.0	74.0	-0.01	-			11	-	-3		37		-1		-50	2						
8060578	74.0	75.0	-0.01	-			4	-	-3		26		-1		-50	-1						
8060579	75.0	76.0	-0.01	-			5	-	59		53		-1		-50	7						
8060580	76.0	77.0	-0.01	-			4	-	6		22		-1		-50	1						
8060581	77.0	78.0	-0.01	-			6	-	4		27		-1		-50	3						
8060582	78.0	79.0	-0.01	-			5	-	-3		39		-1		-50	2						
8060583	79.0	80.0	-0.01	-			5	-	84		72		-1		-50	3						
8060584	80.0	81.0	-0.01	-			5	-	31		67		-1		-50	4						
8060585	81.0	82.0	-0.01	-0.01			7	-	-3		78		-1		-50	2						
8060586	82.0	83.0	-0.01	-			3	-	-3		65		-1		-50	-1						
8060587	83.0	84.0	-0.01	-			4	-	-3		53		-1		-50	-1						
8060588	84.0	85.0	-0.01	-			4	-	-3		96		-1		-50	1						
8060589	85.0	86.0	-0.01	-			4	-	-3		74		-1		-50	5						
8060590	86.0	87.0	-0.01	-			3	-	-3		78		-1		-50	2						
8060591	87.0	88.0	-0.01	-			9	-	9		126		-1		-50	2						
8060592	88.0	88.36	-0.01	-			>5000	1.05	47		97		3		85	>50						
8060593	88.36	88.55	-0.01	-			351	-	6		100		1		-50	11						
8060594	88.55	89.0	-0.01	-			22	-	18		85		-1		-50	9						
8060595	89.0	90.0	-0.01	-0.01			6	-	-3		96		-1		-50	2						
8060596	90.0	90.9	-0.01	-			11	-	-3		135		-1		-50	13						
8060597	90.9	91.10	-0.01	-			178	-	-3		33		-1		115	>50						
8060598	91.10	92.0	-0.01	-			14	-	7		23		-1		-50	29						
8060599	92.0	92.4	-0.01	-			10	-	16		47		-1		55	>50						
8060600	92.4	93.0	-0.01	-			7	-	-3		85		-1		-50	9						

		Units	ppm	ppm			ppm	%	ppm		ppm		ppm		ppm	ppm						
		Detection Limit	0.01	0.01			2	0.01	3		2		1		50	1						
		Method	F630	F630			A102	A103	A102		A102		A102		A102	H102						
Sample Number	**From**	**To**	**Au**	**Au(R1)**	**Au(R2)**	**Au(R3)**	**Cu**	**Cu(R1)**	**Pb**	**Pb(R1)**	**Zn**	**Zn(R1)**	**Ag**	**Ag(R1)**	**As**	**As(R1)**	**Sn**	**Pt**	**Pd**	**Ni**	**Fe**	**Bi**
8060601	93.0	94.0	-0.01	-			8	-	3		81		-1		-50	4						
8060602	94.0	95.0	-0.01	-			6	-	-3		71		-1		-50	4						
8060603	95.0	96.0	-0.01	-			6	-	-3		61		-1		-50	7						
8060604	96.0	96.35	-0.01	-			5	-	4		63		-1		-50	11						
8060605	96.35	96.65	-0.01	-			48	-	1710		2510		-1		-50	3						
8060606	96.65	97.0	-0.01	-			8	-	5		82		-1		-50	5						
8060607	97.0	97.3	-0.01	-			8	-	-3		96		-1		-50	7						
8060608	97.3	98.0	-0.01	-			16	-	-3		16		-1		-50	48						
8060609	98.0	98.4	-0.01	-			38	-	13		32		-1		-50	38						
8060610	98.4	98.9	-0.01	-0.01			60	-	98		409		-1		-50	15						
8060611	98.9	100.0	-0.01	-0.01			60	-	119		1035		-1		-50	13						
8060612	100.0	101.1	-0.01	-			64	-	81		429		-1		-50	17						
8060613	101.1	102.0	-0.01	-			29		-3		48		-1		-50	7						
8060614	102.0	103.0	-0.01	-			39		-3		46		-1		-50	-1						
8060615	103.0	104.0	-0.01	-			25		-3		42		-1		-50	-1						
8060616	104.0	105.0	-0.01	-			27		-3		38		-1		-50	3						
8060617	105.0	106.0	-0.01	-0.01			20		-3		34		-1		-50	-1						
8060618	106.0	107.0	-0.01	-			31		-3		35		-1		-50	12						
8060619	107.0	108.0	-0.01	-			32		3		34		-1		-50	3						
8060620	108.0	109.0	-0.01	-			44		-3		38		-1		-50	11						
8060621	109.0	110.0	-0.01	-			21		-3		22		-1		-50	8						
8060622	110.0	111.0	-0.01	-0.01			28		3		25		-1		-50	-1						
8060623	111.0	112.0	-0.01	-			73		-3		23		-1		-50	7						
8060624	112.0	113.0	-0.01	-			21		-3		30		-1		-50	8						
8060625	113.0	114.0	-0.01	-			25		-3		35		-1		-50	9						
8060626	114.0	115.0	-0.01	-			31		-3		30		-1		-50	-1						
8060627	115.0	116.5	-0.01	-			34		-3		34		6		-50	3						
8060628	116.5	117.3	-0.01	-			37		-3		41		-1		-50	-1						
8060629	>117.3		-0.01	-			39		-3		30		-1		-50	4						
8060630	>117.3		-0.01	-			36		-3		24		-1		-50	9						
8060631	>117.3		-0.01	-			36		-3		27		-1		-50	4						
8060632	>117.3		-0.01	-			78		-3		55		-1		-50	-1						

Appendix 9

Rock Chip Analysis

EL10/97 CAPE SORELL
ROCK CHIP ANALYSIS

Rock Chip	Easting (AMG)	Northing (AMG)	Au	Cu	Pb	Zn	Ag	As	Ba	Co	Fe(ppm)	Ca	K	Mg	Mn	Na	P	Ti	Zr	Ni	Bi
6242561	364245	5307790	496	225	-50	7	-5	37	66	99	294000	200	12400	3240	57	250	200	695	55	235	
6242581	364450	5307710	-1	13	-50	17	-5	30	10	8	346000	140	7300	2050	125	415	4110	210	13	25	-20
6241583	365275	5308105	-1	7	-10	5	0.9	-5	48	11	12700	100	5400	790	398	100	50	330	25	-10	
6241584	365158	5307925	10	30	14	33	-0.5	5	187	20	31700	10200	31200	9990	280	400	250	1920	116	44	
6241585	365050	5307880	18	13	-10	10	-0.5	12	133	33	27200	350	26800	3240	128	400	200	1490	96	34	
6241586	365035	5307875	-1	-5	13	12	-0.5	-5	132	-5	7300	300	20900	2470	32	350	250	1980	108	11	
6241587	364790	5307885	32	37	14	12	-0.5	23	138	47	47600	600	53000	10200	369	650	450	3340	160	59	

Appendix 10

Rock Chip Attributes

614224

EL10/97 CAPE SORELL
ROCK CHIP ATTRIBUTES

Rock Chip	Description	Prospect
6242561	pyritic, graphitic bk shale	North Butler
6242581	gossan	North Butler
6241583	grey strongly silicifed float, py(0.5%)	North Butler
6241584	grey weakly silicified pyritic shale, py(dss and vnd 2-3%)	North Butler
6241585	d grey shale/schist, py(4%, banded)	North Butler
6241586	strongly silicified pyritic (3%) sst	North Butler
6241587	semi massive pyrite(30%), qtz-veinlets(0.5%)	North Butler

Appendix 11

Soil Analysis

EL10/97 CAPE SORELL
SOIL ANALYSES

Soil	Easting (AMG)	Northing (AMG)	Au	Cu	Pb	Zn	Ag	As	Ba	Co	Fe(ppm)	Ca	K	Mg	Mn	Na	P	Ti	Zr	Ni
6252000	363500	5310300	-1	35	-50	28	-5	25	163	15	36000	50	19600	4970	190	300	450	1160	121	45
6252001	363500	5310312	10	135	-50	89	-5	53	450	84	219000	100	12800	2550	430	500	750	13200	97	165
6252002	363500	5310325	-1	103	-50	150	-5	54	241	62	146000	150	9200	2330	340	450	550	15000	78	345
6252003	363500	5310338	-1	486	-50	113	-5	56	183	147	195000	100	7600	1800	2200	450	950	14900	74	290
6252004	363500	5310350	-1	357	-50	135	-5	58	116	90	233000	100	6500	1420	2720	450	1050	15200	73	340
6252005	363500	5310362	-1	226	-50	122	-5	40	225	88	191000	100	10800	2260	1620	350	1000	18100	107	340
6252006	363500	5310375	-1	194	-50	114	-5	46	374	66	195000	150	6400	1700	580	400	1800	34000	174	255
6252007	363500	5310388	-1	133	-50	110	-5	45	264	90	199000	100	9800	2020	1590	400	800	14500	82	295
6252008	363500	5310400	-1	586	-50	94	-5	40	771	69	163000	100	17800	3400	3140	500	1150	7780	83	235
6252009	363612	5310400	2	74	-50	142	-5	50	155	38	225000	150	5150	1550	210	450	600	13600	70	235
6252010	363588	5310400	2	125	-50	161	-5	56	497	54	143000	100	25000	4720	365	450	950	19700	101	215
6252011	363538	5310400	-1	181	-50	180	-5	47	334	88	155000	3350	9150	2070	950	400	2700	16400	105	330
6252012	363512	5310400	-1	272	-50	147	-5	50	185	103	210000	150	6450	1770	930	350	950	19400	93	310
6252013	363488	5310400	27	129	-50	113	-5	56	367	52	129000	150	14700	3330	530	400	750	9670	65	300
6252014	363462	5310400	-1	40	-50	16	-5	11	10	-5	450	100	-500	158000	34	950	-30	360	16	12
6252015	363500	5310412	9	169	-50	119	-5	49	207	56	213000	100	6250	3420	440	300	700	13000	72	270
6252016	363500	5310425	-1	15	-50	32	-5	-10	-5	-5	850	150	-500	83500	-10	450	-30	155	8	-10
6252017	363500	5310438	-1	53	-50	86	-5	-10	21	11	34000	450	-500	21000	230	250	400	370	33	30
6252018	363500	5310450	-1	27	-50	30	-5	19	-5	-5	500	-50	-500	202000	-10	400	-30	105	6	-10
6252019	363500	5310462	-1	10	-50	20	-5	-10	7	-5	650	150	-500	150000	-10	550	-30	195	13	-10
6252020	363500	5310475	-1	90	-50	121	-5	18	-5	14	30000	-50	-500	197000	230	450	200	78	8	25
6252021	363500	5310488	7	31	-50	93	-5	24	18	14	38000	-50	1150	160000	110	400	100	1130	37	53
6252022	363500	5310512	8	169	-50	59	-5	51	230	29	207000	-50	10200	3300	240	350	300	10300	87	220
6252023	363512	5310500	-1	142	-50	69	-5	65	251	32	199000	-50	10100	2460	370	300	400	9650	74	260
6252024	363538	5310500	-1	84	-50	84	-5	47	205	25	51500	150	8900	4470	220	450	350	14100	70	260
6252025	363562	5310500	-1	300	-50	115	-5	54	96	87	237000	100	4850	1420	3390	250	1150	21000	95	385
6252026	363588	5310500	-1	30	-50	42	-5	-10	109	6	8150	200	6050	1950	58	350	100	4360	39	61
6252027	363612	5310500	-1	46	-50	53	-5	17	99	12	34500	200	4650	1440	92	350	150	4280	40	82
6252028	363638	5310500	-1	16	-50	26	-5	-10	138	7	4500	200	8200	2310	36	400	50	2100	48	23
6252029	363612	5310600	-1	38	-50	35	-5	-10	110	-5	6250	150	6600	13300	39	400	100	3590	52	45
6252030	363638	5310600	-1	18	-50	18	-5	-10	58	6	3150	150	4500	27000	28	400	50	2180	45	25
6252031	363662	5310600	4	61	-50	13	-5	18	146	5	3200	100	30000	7300	25	350	50	2260	95	12
6252032	363688	5310600	-1	16	-50	17	-5	22	54	-5	2350	150	3600	1140	38	250	-30	1120	24	12
6252033	363488	5310350	5	100	-50	122	-5	38	145	35	59000	100	6500	1760	185	400	200	12200	69	272
6252034	363462	5310350	-1	185	-50	102	-5	33	89	70	181000	100	4000	1460	643	300	950	12600	64	343

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EL10/97 CAPE SORELL
SOIL ANALYSES

Soil	Easting (AMG)	Northing (AMG)	Au	Cu	Pb	Zn	Ag	As	Ba	Co	Fe(ppm)	Ca	K	Mg	Mn	Na	P	Ti	Zr	Ni
6252035	363438	5310350	-1	238	-50	62	-5	36	336	29	110000	100	18500	3790	831	350	500	18100	92	240
6252036	363412	5310350	-1	303	-50	64	-5	50	113	45	166000	100	6000	1580	1050	250	700	12800	73	318
6252037	363388	5310350	-1	193	-50	25	-5	28	58	15	111000	50	4600	3570	374	300	350	6510	66	88
6252038	363362	5310350	-1	-5	-50	84	-5	-10	10	-5	650	250	1200	194500	10	650	50	65	-5	21
6252039	363338	5310350	-1	-5	-50	9	-5	-10	-5	-5	700	-50	-500	189800	-10	600	-30	213	8	-10
6252040	363312	5310350	-1	-5	-50	22	-5	-10	6	-5	800	150	-500	189400	19	550	-30	366	14	-10
6252041	363512	5310350	-1	145	-50	117	-5	38	137	68	186000	150	5800	1880	456	400	800	15600	73	244
6252042	363525	5310350	14	88	-50	116	-5	43	168	50	83400	250	6700	2420	209	500	250	14900	84	153
6252043	363538	5310350	-1	85	-50	138	-5	45	137	47	68700	250	7400	2310	369	400	600	14100	74	183
6252044	363550	5310350	-1	186	-50	96	-5	27	236	56	135000	150	9700	2000	912	400	850	14500	74	168
6252045	363562	5310350	19	108	-50	90	-5	50	188	41	113000	150	9600	2160	454	400	400	13400	70	169
6252046	363575	5310350	15	85	-50	114	-5	56	186	203	135000	250	7100	2670	306	550	450	15400	91	311
6252047	363588	5310350	8	85	-50	88	-5	46	109	34	164000	200	5000	1900	177	550	700	18200	88	163
6252048	363600	5310350	4	102	-50	100	-5	41	154	33	109000	100	6600	1960	194	450	600	22800	112	224
6252049	363488	5310450	2	5	-50	29	-5	-10	18	-5	2450	50	-500	167300	11	600	-30	554	19	16
6252050	363475	5310450	-1	-5	-50	11	-5	-10	-5	-5	1250	150	-500	146300	-10	500	-30	546	23	-10
6252051	363462	5310450	-1	-5	-50	23	-5	-10	8	-5	1950	100	-500	148200	29	450	-30	431	28	17
6252052	363450	5310450	-1	-5	-50	6	-5	-10	6	-5	1200	250	-500	108900	11	400	-30	377	17	-10
6252053	363438	5310450	-1	135	-50	55	-5	31	93	17	124000	100	9000	11400	868	400	300	7140	63	95
6252054	363425	5310450	-1	79	-50	15	-5	-10	9	-5	1900	250	-500	28600	18	150	50	373	22	23
6252055	363512	5310450	-1	116	-50	86	-5	43	111	34	136000	150	7400	3800	279	300	1000	15400	64	353
6252056	363525	5310450	-1	131	-50	91	-5	40	192	60	186000	150	6800	2730	1360	350	1150	14300	71	283
6252057	363538	5310450	-1	87	-50	77	-5	40	230	32	154000	100	10000	2340	301	400	600	18000	96	323
6252058	363550	5310450	-1	62	-50	57	-5	31	64	27	140000	100	4500	1210	186	350	250	9570	54	198
6252059	363562	5310450	-1	63	-50	103	-5	29	158	43	158000	150	7500	2000	335	350	500	9810	57	232
6252060	363575	5310450	-1	110	-50	219	-5	32	201	67	109000	250	7800	1930	830	400	850	12100	66	298
6252061	363588	5310450	-1	80	-50	93	-5	59	123	26	75200	200	4300	1890	177	500	350	31400	108	322
6252062	363600	5310450	2	95	-50	101	-5	29	274	43	187000	50	9100	1790	267	300	550	13900	71	221
6252063	363612	5310450	4	105	-50	181	-5	41	201	39	109000	200	9200	2550	253	350	700	13100	70	293
6252064	363625	5310450	4	115	-50	165	-5	33	216	53	186000	200	8600	2090	434	350	1100	12700	69	275
6252065	363638	5310450	-1	141	-50	1050	-5	286	205	916	12600	100	25800	6380	23	300	100	2040	106	1710
6252066	363650	5310450	8	24	-50	16	-5	14	380	10	11500	100	36900	9860	30	400	50	2860	118	17
6252067	363500	5310550	-1	297	-50	63	-5	68	274	76	108000	200	13600	4490	318	450	1150	13800	80	299
6252068	363512	5310550	5	164	-50	81	-5	68	130	65	135000	150	9000	4830	362	300	1100	10800	51	297
6252069	363525	5310550	-1	190	-50	65	-5	58	317	66	79800	200	17500	4940	415	450	600	17700	101	305

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EL10/97 CAPE SORELL
SOIL ANALYSES

Soil	Easting (AMG)	Northing (AMG)	Au	Cu	Pb	Zn	Ag	As	Ba	Co	Fe(ppm)	Ca	K	Mg	Mn	Na	P	Ti	Zr	Ni
6252070	363538	5310550	-1	19	-50	23	-5	-10	26	6	1500	100	-500	177200	38	350	-30	821	10	22
6252071	363550	5310550	-1	7	-50	12	-5	-10	16	-5	1300	-50	-500	199300	-10	450	-30	210	-5	-10
6252072	363562	5310550	-1	36	-50	20	-5	-10	101	10	10300	100	3200	45200	56	350	150	2640	22	76
6252073	363575	5310550	-1	49	-50	18	-5	-10	71	11	11400	100	4100	13900	54	250	150	2760	25	86
6252074	363588	5310550	-1	55	-50	26	-5	-10	94	6	7700	150	3900	5160	51	300	100	4020	29	93
6252075	363600	5310550	1	39	-50	34	-5	-10	97	6	6200	150	5200	2930	47	300	100	5200	39	77
6252076	363612	5310550	-1	29	-50	28	-5	-10	110	6	7450	150	7300	2140	50	350	100	5420	50	67
6252077	363625	5310550	-1	27	-50	33	-5	12	81	-5	7150	200	6200	1880	55	350	50	4220	43	51
6252078	363638	5310550	-1	33	-50	28	-5	21	157	6	10400	250	13400	4120	52	600	150	6720	87	64
6252079	363650	5310550	-1	68	-50	40	-5	28	74	36	8200	200	9000	4270	37	300	200	2100	45	61
6252080	363662	5310550	-1	182	-50	64	-5	54	145	21	5700	100	29400	8240	46	350	150	2860	108	31
6252081	363675	5310550	-1	38	-50	47	-5	19	94	17	12000	100	17800	4970	44	300	600	2210	74	36
6252082	363688	5310550	-1	35	-50	34	-5	14	81	9	11800	250	6900	3070	60	250	150	1140	36	49
6252083	363700	5310550	-1	23	-50	55	-5	-10	123	21	7350	150	16700	4980	50	200	100	1890	92	71
6252084	363500	5310650	-1	23	-50	83	-5	-10	8	11	1650	200	-500	160700	11	250	-30	165	8	25
6252085	363512	5310650	-1	44	-50	11	-5	-10	18	10	2700	200	1000	89400	16	450	-30	645	38	36
6252086	363525	5310650	-1	94	-50	77	-5	49	85	9	18900	400	4700	13800	46	1900	250	5860	249	113
6252087	363538	5310650	-1	71	-50	194	-5	21	51	23	5450	350	3000	18600	33	750	100	3020	120	107
6252088	363550	5310650	-1	68	-50	124	-5	21	-5	6	850	100	-500	197900	29	300	-30	446	24	18
6252090	363575	5310650	-1	46	-50	90	-5	-10	12	12	10000	250	-500	128500	28	300	100	364	20	53
6252091	363588	5310650	-1	257	-50	104	-5	-10	10	25	9500	150	-500	148000	56	600	100	309	6	36
6252092	363600	5310650	-1	11	-50	14	-5	-10	6	-5	850	-50	600	192900	12	550	-30	237	-5	13
6252093	363612	5310650	-1	17	-50	20	-5	-10	48	-5	2200	100	2700	141000	29	450	-30	1630	23	23
6252094	363625	5310650	-1	7	-50	20	-5	14	33	-5	1750	50	2400	161800	19	500	-30	1390	19	17
6252095	363638	5310650	-1	7	-50	14	-5	-10	41	-5	2500	200	2400	97000	27	300	-30	1320	18	24
6252096	363650	5310650	-1	19	-50	36	-5	-10	8	-5	27000	100	600	182400	63	600	-30	318	16	15
6252097	363662	5310650	-1	25	-50	6	-5	-10	42	-5	3750	100	20600	7360	35	350	50	1240	69	17
6252098	363675	5310650	-1	49	-50	69	-5	15	35	20	7350	150	25500	8910	18	450	550	1810	93	34
6252099	363688	5310650	-1	5	-50	16	-5	13	9	5	1000	50	1300	194000	-10	300	-30	571	12	11
6252100	363700	5310650	-1	22	-50	12	-5	-10	23	8	2100	200	1300	62600	13	250	-30	1730	67	24
6252303	364000	5307550	-1	244	55	273	-5	28	89	85	139000	4960	1700	47500	1390	260	1730	13000	196	325
6252304	364000	5307525	-1	98	-50	75	-5	56	173	26	128000	125	7300	33500	740	300	355	7110	69	105
6252307	364000	5307450	-1	7	-50	11	-5	12	439	5	4760	175	27000	5420	31	455	80	2960	104	-10
6252310	363900	5307575	-1	151	70	151	-5	18	112	67	114000	6310	3300	34000	1200	315	890	8090	171	410
6252311	363900	5307550	-1	102	-50	181	-5	34	97	41	129000	7000	2550	14300	440	1110	535	10200	161	100

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EL10/97 CAPE SORELL
SOIL ANALYSES

Soil	Easting (AMG)	Northing (AMG)	Au	Cu	Pb	Zn	Ag	As	Ba	Co	Fe(ppm)	Ca	K	Mg	Mn	Na	P	Ti	Zr	Ni
6252317	363675	5307600	-1	166	55	239	-5	28	44	43	133000	2180	1150	15600	410	250	670	9020	244	235
6252318	363650	5307600	-1	114	80	256	-5	32	104	41	123000	11900	2550	11500	330	915	265	13100	205	97
6252319	363625	5307600	-1	92	-50	161	-5	27	80	66	68000	16700	5950	12800	645	4920	420	10400	158	95
6252320	363600	5307600	-1	322	-50	126	-5	30	55	59	101000	15100	7000	11800	700	4820	1740	8390	132	125
6252321	363575	5307600	-1	132	-50	144	-5	13	146	49	84500	6880	4350	37500	780	1550	145	7620	68	115
6252322	363550	5307600	-1	73	-50	88	-5	18	226	50	83500	21500	7450	17800	675	5110	295	6910	57	85
6252323	363525	5307600	-1	117	-50	81	-5	23	431	53	112000	26500	13400	17000	880	4440	990	7000	68	61
6252324	363500	5307600	-1	104	-50	54	-5	39	1555	19	40000	330	18600	11700	260	605	240	5880	81	69
6252325	363475	5307600	-1	98	-50	103	-5	22	2980	39	48500	195	5400	21500	410	365	70	6060	52	125
6252348	363200	5307400	-1	155	-50	360	-5	42	38	39	123000	280	650	14400	540	270	1030	8100	158	180
6252349	363200	5307375	-1	117	-50	133	-5	34	41	42	131000	850	1000	15000	485	250	975	10500	172	145
6252350	363200	5307350	-1	116	-50	121	-5	28	132	60	122000	885	6150	10900	610	675	1200	10000	112	140
6252351	363200	5307325	-1	75	-50	61	-5	18	66	23	121000	805	3350	9010	250	535	390	10100	57	43
6252352	363200	5307300	-1	96	-50	123	-5	18	135	23	148000	780	6250	24000	760	395	265	10700	65	115
6252353	363175	5307300	-1	94	-50	67	-5	28	125	23	148000	435	5500	9710	305	600	400	10900	64	67
6252354	363150	5307300	-1	137	-50	128	-5	34	168	31	119000	290	8050	13300	675	350	590	9810	142	89
6252355	363125	5307300	-1	58	-50	87	-5	29	22	41	174000	185	600	2610	725	270	1560	10300	156	170
6252356	363100	5307300	-1	94	-50	46	-5	33	13	21	154000	100	550	2430	70	190	815	10100	164	120
6252357	363225	5307300	-1	94	-50	85	-5	36	109	23	138000	670	5600	12400	455	605	400	10900	66	85
6252358	363250	5307300	-1	169	-50	144	-5	23	153	34	144000	85	6800	23500	730	350	470	10400	73	130
6252359	363275	5307300	-1	35	-50	44	-5	24	146	17	99000	230	7150	7530	175	525	160	8420	67	39
6252360	363300	5307300	-1	39	-50	61	-5	58	221	23	130000	110	14200	18200	500	775	380	5020	68	78
6252361	363325	5307300	-1	-5	-50	8	-5	17	379	-5	4380	85	25000	4380	20	505	-30	2150	73	-10
6252362	363350	5307300	-1	-5	-50	8	-5	-10	22	-5	3440	140	800	445	20	215	-30	715	22	-10
6252364	363400	5307300	-1	6	-50	7	-5	-10	59	-5	3930	240	2200	580	24	225	56	1100	20	12
6252369	363325	5307400	-1	7	-50	10	-5	-10	580	-5	3560	225	13100	2920	15	335	240	2060	56	19
6252370	363350	5307400	-1	74	-50	18	-5	-10	7790	9	9250	290	18600	4230	21	300	2040	5010	53	21
6252371	363375	5307400	-1	13	-50	18	-5	18	8360	9	8940	665	25000	6180	24	375	2620	5680	77	16
6252372	363400	5307400	-1	55	-50	43	-5	24	433	30	121000	4470	2900	8660	250	495	205	10100	101	53
6252377	363900	5307625	-1	278	-50	160	-5	19	103	114	140000	1100	1000	29500	1940	3790	1410	8780	118	145
6252378	363900	5307650	-1	288	-50	186	-5	56	372	75	130000	4390	2600	23000	2620	5010	780	7260	125	74
6252379	363900	5307675	-1	157	-50	107	-5	32	102	49	142000	1530	1650	21500	840	460	745	12400	145	160
6252380	363900	5307700	-1	162	55	163	-5	23	727	54	152000	10500	2900	19500	1490	3090	1030	8920	138	64
6252381	363900	5307725	-1	22	-50	25	-5	18	6010	12	55500	310	18600	6000	255	2840	830	3750	69	80
6252382	363900	5307750	-1	10	-50	13	-5	-10	120	-5	12700	290	1350	685	59	295	86	705	18	12

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EL10/97 CAPE SORELL
SOIL ANALYSES

Soil	Easting (AMG)	Northing (AMG)	Au	Cu	Pb	Zn	Ag	As	Ba	Co	Fe(ppm)	Ca	K	Mg	Mn	Na	P	Ti	Zr	Ni
6252383	363900	5307775	-1	7	-50	6	-5	-10	178	-5	1840	305	-500	330	21	230	-30	900	17	-10
6252384	363900	5307800	-1	7	-50	8	-5	-10	30	-5	3200	105	800	225	21	235	-30	800	28	-10
6252385	363900	5307825	-1	-5	-50	8	-5	-10	76	-5	1970	60	2450	425	16	255	-30	470	19	-10
6252386	363900	5307850	-1	24	-50	31	-5	21	446	9	10700	75	35500	5170	64	575	56	2020	111	290
6252387	363900	5307875	4	60	-50	12	-5	31	310	-5	14600	50	35500	4580	26	480	70	1650	142	18
6252388	363900	5307900	-1	10	-50	9	-5	18	340	5	4070	90	28500	4110	22	565	50	3080	136	-10
6252389	363800	5307625	-1	41	-50	106	-5	20	51	75	156000	465	1500	36500	1040	750	670	26000	179	84
6252390	363800	5307650	-1	151	60	263	-5	10	64	50	174000	14400	1300	39000	1550	3530	585	8040	168	84
6252391	363800	5307675	-1	201	100	317	-5	18	121	43	159000	6330	1300	32500	1330	375	795	7170	135	84
6252392	363800	5307700	-1	134	-50	116	-5	23	30	28	144000	665	1150	24000	430	385	440	9110	157	64
6252393	363800	5307725	15	93	75	52	-5	48	1485	11	87500	215	25500	6930	49	365	380	6150	158	20
6252394	363800	5307750	8	115	65	28	-5	43	435	7	49500	140	12600	4010	23	285	640	3170	150	59
6252397	363800	5307825	15	314	-50	17	-5	56	80	33	30000	825	9100	2720	56	235	245	1260	66	200
6252399	363800	5307875	-1	7	-50	8	-5	-10	53	-5	3590	155	2050	555	27	280	86	1180	29	10
6252400	363800	5307900	-1	6	-50	9	-5	-10	52	-5	1640	185	2800	750	17	285	76	1520	32	-10
6252401	363800	5307575	-1	80	-50	213	-5	14	174	57	121000	16500	3000	28500	1530	4300	1070	8020	144	160
6252402	363800	5307550	-1	76	-50	86	-5	22	332	21	115000	1250	7650	21500	655	2840	1060	9370	66	80
6252403	363800	5307525	-1	60	-50	79	-5	30	282	20	135000	390	10400	21500	575	625	690	10500	78	82
6252404	363800	5307500	-1	184	-50	125	-5	48	706	53	113000	205	16300	14200	460	965	405	10200	73	180
6252405	363800	5307475	-1	17	-50	57	-5	36	442	22	109000	220	14100	15000	435	830	-30	11600	118	88
6252406	363800	5307450	16	139	-50	19	-5	38	634	7	106000	145	21500	4270	-10	495	255	3100	114	21
6252407	363800	5307425	6	39	-50	9	-5	11	414	5	1910	175	20000	4850	13	420	180	3700	182	-10
6252408	363800	5307400	-1	10	-50	8	-5	-10	22	-5	2980	105	900	260	24	240	-30	495	18	15
6252409	364025	5307600	19	143	-50	206	-5	24	22	57	119000	4680	1150	41000	845	480	360	8340	213	245
6252410	364050	5307600	5	109	-50	177	-5	12	16	82	159000	345	1000	58500	930	325	250	7920	210	355
6252411	364075	5307600	5	124	-50	99	-5	22	27	25	158000	33500	1200	33500	960	915	600	6090	150	140
6252412	364125	5307600	-1	113	-50	66	-5	30	45	67	138000	295	2200	19500	1650	2150	1690	6440	96	155
6252413	364150	5307600	2	161	-50	93	-5	40	48	46	128000	440	2350	17800	1480	295	665	6200	141	98
6252414	364175	5307600	-1	100	-50	63	-5	35	225	42	101000	130	19500	10700	325	435	540	9090	84	145
6252415	364225	5307600	-1	80	-50	336	-5	-10	31	60	145000	9550	1400	29500	1300	325	985	9320	156	180
6252416	364250	5307600	-1	128	-50	221	-5	20	208	69	115000	12900	3750	27000	1320	840	660	8990	199	260
6252417	364275	5307600	4	148	-50	153	-5	32	62	36	111000	2140	1850	20500	535	2680	540	7420	138	125
6252418	364325	5307600	3	97	-50	83	-5	22	66	37	73500	630	7950	26500	255	24500	455	7880	154	150
6252419	364350	5307600	-1	54	-50	224	-5	-10	169	31	62000	2410	4800	37500	655	3970	210	5940	103	125
6252420	364375	5307600	-1	56	-50	43	-5	55	220	22	106000	275	13600	9980	145	1260	850	9050	87	65

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EL10/97 CAPE SORELL
SOIL ANALYSES

Soil	Easting (AMG)	Northing (AMG)	Au	Cu	Pb	Zn	Ag	As	Ba	Co	Fe(ppm)	Ca	K	Mg	Mn	Na	P	Ti	Zr	Ni
6252421	364400	5307600	11	25	-50	132	-5	13	16	54	99500	260	950	76500	915	2870	410	8200	126	375
6252422	364425	5307600	3	139	-50	50	-5	20	35	33	87500	240	1500	25000	215	810	760	4620	136	210
6252423	364450	5307600	8	-5	-50	11	-5	26	56	8	27000	135	27000	5780	13	840	110	2660	192	20
6252424	364475	5307600	-1	7	-50	6	-5	-10	16	-5	5520	170	1450	2700	26	1000	-30	1270	42	13
6252425	364500	5307600	5	-5	-50	7	-5	22	109	5	6740	70	28500	6160	12	565	56	3070	153	15
6252426	364525	5307600	-1	12	-50	6	-5	-10	21	-5	3700	180	-500	350	56	215	-30	765	16	-10
6252428	364575	5307600	-1	-5	-50	10	-5	24	148	9	7450	50	48500	12100	14	680	-30	6130	173	12
6252432A	364300	5307612	3	17	22	27	-0.5	-5	126	11	24000	1750	18000	9260	57	42500	510	8390	148	21
6252433A	364300	5307625	1	70	12	86	-0.5	-5	137	87	70000	1250	9700	24500	320	26500	800	7470	140	130
6252434A	364300	5307638	-1	125	22	361	-0.5	-5	481	53	95500	13700	6220	39000	1800	11600	1170	7220	97	225
6252435	364600	5307450	14	-5	-50	9	-5	13	100	-5	4050	80	27500	4700	16	510	56	2380	117	-10
6252435A	364300	5307650	5	440	22	108	-0.5	-5	755	59	93500	800	4660	38500	5680	11800	1080	7200	104	150
6252436	364600	5307425	87	6	-50	7	-5	24	147	5	3160	-50	41000	7040	12	510	56	3640	133	-10
6252436A	364300	5307662	2	118	12	74	-0.5	-5	78	84	100000	170	1640	23500	585	2300	975	10200	254	200
6252437	364600	5307400	11	-5	-50	7	-5	13	147	-5	3480	120	23500	3560	12	400	320	2810	133	-10
6252437A	364300	5307675	2	317	18	56	-0.5	-5	90	35	110000	540	1150	19400	330	23000	1170	8120	137	120
6252438	364300	5307688	2	233	15	83	-0.5	-5	44	55	122000	335	360	31500	725	1490	1650	8570	174	130
6252439	364300	5307700	2	241	14	47	-0.5	-5	136	39	114000	280	2620	27000	390	6280	860	6110	120	110
6252440	364300	5307712	3	42	18	25	-0.5	-5	369	40	61000	150	15800	6980	110	12500	1580	6250	131	88
6252441	364300	5307725	23	84	26	24	-0.5	-5	261	40	119000	2530	17900	6060	1240	1040	555	2800	103	81
6252442	364300	5307738	66	127	26	14	0.8	31	165	11	174000	450	18300	4260	110	1330	325	2680	125	19
6252443	364300	5307750	16	29	14	16	-0.5	-5	92	9	50000	485	11600	2970	105	390	380	2380	76	11
6252444	364300	5307762	26	25	16	22	-0.5	-5	83	15	53500	1810	14100	5010	71	410	310	3330	120	15
6252450	364300	5307838	4	-5	-10	6	-0.5	-5	187	-5	2450	85	19400	3170	17	500	55	2870	103	-10
6252452	364300	5307862	32	-5	-10	7	-0.5	-5	314	-5	3750	110	33500	5310	19	600	90	3230	162	-10
6252453	364300	5307875	42	-5	-10	7	-0.5	-5	331	-5	3040	115	39500	5870	18	650	80	3500	181	-10
6252454	364300	5307888	5	-5	-10	6	-0.5	-5	113	9	1760	240	13500	2250	14	420	65	2610	93	-10
6252455	364300	5307900	2	-5	14	8	-0.5	-5	202	-5	1840	820	21000	3540	18	455	970	2780	114	-10
6252456	364300	5307912	2	-5	-10	5	-0.5	-5	124	12	1420	280	12300	2170	12	370	70	2210	76	-10
6252457	364300	5307925	4	-5	-10	8	-0.5	-5	120	-5	2370	235	12400	2070	16	390	70	1780	73	-10
6252458	364300	5307938	4	-5	-10	6	-0.5	-5	115	-5	1690	420	17200	3380	15	385	85	3950	128	-10
6252460	364300	5307975	50	-5	-10	10	-0.5	-5	218	-5	4560	155	24500	3420	20	515	55	2230	101	-10
6252461	364300	5308000	5	-5	-10	7	-0.5	-5	109	-5	2550	150	12600	1730	14	375	-50	1530	63	-10
6252462	364300	5308025	5	-5	-10	7	-0.5	-5	102	-5	2740	175	12200	1850	14	350	-50	1240	56	-10
6252463	364300	5308050	24	-5	-10	6	-0.5	-5	184	-5	2790	105	20500	2860	15	485	-50	2370	97	-10

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EL10/97 CAPE SORELL
SOIL ANALYSES

Soil	Easting (AMG)	Northing (AMG)	Au	Cu	Pb	Zn	Ag	As	Ba	Co	Fe(ppm)	Ca	K	Mg	Mn	Na	P	Ti	Zr	Ni
6252464	364400	5307688	6	6	12	8	-0.5	-5	32	-5	27500	195	12600	4030	<	630	70	1590	104	-10
6252465	364400	5307700	53	14	-10	9	-0.5	46	77	-5	51500	180	22000	4610	<	610	310	2350	127	-10
6252466	364400	5307712	10	5	-10	8	0.6	8	25	-5	12200	150	5520	1560	15	485	75	2170	63	-10
6252467	364400	5307725	7	6	-10	7	-0.5	-5	37	-5	5420	285	5770	1580	26	525	105	3880	79	11
6252468	364400	5307738	3	-5	-10	7	-0.5	-5	29	-5	3760	90	3870	1240	17	470	-50	1520	47	-10
6252469	364400	5307750	8	12	-10	7	-0.5	9	32	-5	15900	100	4890	1270	30	440	50	1150	48	14
6252470	364400	5307762	2	-5	-10	7	-0.5	-5	24	-5	3480	150	3010	1010	17	450	-50	1410	40	-10
6252471	364400	5307775	6	6	-10	7	-0.5	-5	66	-5	5410	210	9100	1900	26	470	95	2370	72	14
6252473	364400	5307800	8	19	11	11	-0.5	-5	54	-5	50000	125	5110	8220	11	430	290	3330	149	23
6252474	364400	5307812	18	15	-10	45	-0.5	-5	30	-5	76500	145	2620	11000	20	305	325	2730	117	15
6252475	364400	5307825	6	-5	-10	6	-0.5	-5	63	-5	10200	130	10200	2880	20	660	105	2350	83	-10
6252476	364400	5307838	4	14	-10	15	-0.5	-5	18	-5	43500	155	13400	10400	14	2750	220	1750	117	16
6252479	364400	5307875	7	-5	-10	10	-0.5	-5	45	-5	19500	105	10700	6900	<	1950	95	3560	166	13
6252480	364400	5307888	15	9	-10	6	-0.5	-5	106	-5	8650	105	14800	3290	26	745	75	2270	97	11
6252481	364400	5307900	4	7	-10	12	-0.5	-5	42	-5	30500	110	11400	7060	12	1900	90	2730	119	-10
6252482	364400	5307912	17	17	12	8	-0.5	-5	173	-5	33000	70	22000	3310	22	465	85	2760	108	-10
6252483	364400	5307925	4	-5	-10	6	-0.5	-5	68	-5	3980	215	9200	1670	20	360	-50	1520	50	-10
6252484	364400	5307938	4	-5	-10	9	-0.5	-5	165	-5	5880	175	28000	4760	24	475	50	3500	132	11
6252485	364400	5307950	26	-5	-10	7	-0.5	-5	268	-5	6580	275	32000	4420	19	580	75	3450	130	-10
6252488	364400	5307675	12	-5	12	10	-0.5	5	15	9	28500	225	690	2350	<	29000	3240	2830	189	74
6252489	364500	5308000	2	7	-10	8	-0.5	-5	23	-5	4570	140	2890	2350	22	855	60	1850	61	10
6252490	364500	5307975	2	8	-10	7	0.6	-5	62	-5	5690	185	6340	1770	32	570	65	2210	77	14
6252491	364500	5307950	4	-5	-10	6	-0.5	-5	135	-5	3240	130	23500	5020	13	665	50	2990	113	-10
6252492	364500	5307925	2	-5	-10	6	-0.5	-5	87	-5	4770	140	23500	4980	16	475	-50	1760	84	-10
6252493	364500	5307900	1	-5	10	5	-0.5	-5	53	-5	3370	485	25500	5870	<	585	125	3100	115	-10
6252494	364500	5307888	8	10	-10	11	-0.5	-5	111	9	9940	155	19000	4470	25	750	75	2440	101	18
6252495	364500	5307875	9	-5	-10	7	-0.5	-5	110	-5	14500	75	31000	6970	12	635	70	2780	118	-10
6252496	364500	5307862	15	22	-10	7	-0.5	-5	13	-5	156000	110	3680	3140	<	810	85	1300	96	10
6252497	364500	5307850	17	26	-10	10	-0.5	-5	88	-5	74500	95	18600	6450	<	1060	95	1630	129	-10
6252498	364500	5307838	4	11	-10	9	-0.5	-5	179	-5	30500	80	27500	5770	13	705	75	2800	143	-10
6252499	364500	5307825	7	10	-10	7	-0.5	-5	139	-5	12700	95	21500	4090	13	620	65	2510	106	-10
6252500	364500	5307812	5	21	-10	14	-0.5	-5	26	-5	49000	90	6930	6530	12	2210	160	2060	123	-10
6252501	364000	5307575	6	216	-50	214	-5	27	34	41	89500	5210	500	23500	665	265	755	5190	110	190
6252502	364000	5307600	81	135	-50	99	-5	34	38	44	112000	500	1900	20500	645	320	930	8490	175	125
6252503	364000	5307625	19	207	-50	75	-5	32	32	36	121000	280	3400	17600	425	495	785	7040	126	82

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SOIL ANALYSES

Soil	Easting (AMG)	Northing (AMG)	Au	Cu	Pb	Zn	Ag	As	Ba	Co	Fe(ppm)	Ca	K	Mg	Mn	Na	P	Ti	Zr	Ni
6252504	364000	5307650	5	103	-50	28	-5	37	70	44	33500	975	6600	9330	980	33500	1240	8240	119	65
6252505	364000	5307675	33	57	-50	54	-5	39	57	33	78500	950	3050	16600	630	22500	540	7210	101	78
6252506	364000	5307700	7	46	-50	80	-5	35	104	39	83500	585	3950	13400	1160	7190	550	4900	72	59
6252507	364000	5307725	4	63	-50	74	-5	34	55	26	77000	335	1150	14800	290	4260	620	4210	125	77
6252508	364000	5307750	2	153	-50	190	-5	19	109	56	121000	1000	1600	36500	1310	945	1070	7830	151	69
6252509	364000	5307775	18	91	-50	102	-5	37	191	24	113000	1310	2000	22000	355	5090	625	4710	137	40
6252510	364000	5307800	6	189	-50	83	-5	23	138	31	73500	185	4650	18000	480	2090	435	9610	116	66
6252511	364000	5307825	5	-5	-50	24	-5	25	1525	11	10200	120	24000	4690	20	435	405	6540	106	54
6252512	364000	5307850	2	-5	-50	14	-5	-10	45	-5	1860	135	2000	415	13	245	-30	990	25	-10
6252513	364000	5307875	2	-5	-50	27	-5	14	214	-5	3450	105	26500	3560	17	485	-30	2010	93	-10
6252514	364000	5307900	-1	-5	-50	16	-5	19	187	-5	3070	105	26500	4030	12	420	-30	1830	81	-10
6252515	364000	5307925	-1	-5	-50	16	-5	-10	16	-5	2370	60	1200	225	16	235	-30	480	16	-10
6252516	364000	5307950	5	-5	-50	26	-5	-10	7	-5	2150	135	-500	175	17	230	-30	480	17	-10
6252519	364100	5307600	7	38	-50	64	-5	24	116	109	96000	1470	1300	21500	10100	7530	1210	4750	111	185
6252520	364100	5307612	194	82	-50	60	-5	24	57	32	132000	610	1550	12200	635	720	560	7040	151	140
6252521	364100	5307625	12	125	-50	147	-5	21	69	50	127000	6410	1400	22000	1040	470	460	8600	144	170
6252522	364100	5307638	3	79	-50	81	-5	28	171	39	75000	270	2250	22500	670	405	650	10200	224	96
6252523	364100	5307650	-1	49	-50	61	-5	24	234	28	102000	455	5850	12200	470	450	340	9310	162	56
6252524	364100	5307662	2	134	-50	78	-5	19	130	44	132000	500	3300	8730	835	425	435	9020	144	67
6252525	364100	5307675	-1	112	-50	66	-5	22	241	32	135000	375	1700	9270	670	395	430	7720	138	55
6252526	364100	5307688	-1	126	-50	77	-5	23	73	39	143000	2460	2150	11200	725	580	470	7500	121	72
6252527	364100	5307700	-1	93	-50	62	-5	26	99	32	134000	2360	1850	7370	460	840	295	10300	130	55
6252528	364100	5307712	-1	85	-50	86	-5	13	139	33	115000	7310	2700	11800	435	960	355	9280	111	60
6252529	364100	5307725	2	114	-50	75	-5	20	81	37	134000	3190	2350	11500	465	1060	340	9290	118	77
6252530	364100	5307738	-1	77	-50	82	-5	17	149	35	107000	2730	4500	12600	700	10300	880	6500	94	53
6252531	364100	5307750	-1	75	-50	58	-5	13	145	27	101000	6370	4550	9930	480	4260	785	5900	79	40
6252532	364100	5307762	285	62	-50	46	-5	24	59	30	120000	620	2700	12200	475	9630	750	7340	81	36
6252533	364100	5307775	80	6	-50	10	-5	-10	24	8	9830	250	-500	530	71	980	-30	4180	42	-10
6252534	364100	5307788	4	6	-50	11	-5	-10	32	-5	2580	210	1150	430	37	590	-30	1170	20	-10
6252535	364100	5307800	-1	7	-50	12	-5	-10	41	-5	2490	235	2750	780	18	305	-30	755	19	-10
6252536	364100	5307812	7	6	-50	9	-5	-10	67	-5	2960	145	3300	765	20	235	-30	1060	23	-10
6252537	364100	5307825	2	7	-50	16	-5	-10	216	5	8980	255	5400	5440	53	280	215	1900	43	16
6252538	364100	5307838	89	25	-50	11	-5	17	390	6	1790	75	35500	8940	-10	455	200	4480	107	-10
6252539	364100	5307850	4	8	-50	8	-5	-10	71	-5	1640	600	11900	2800	37	295	-30	2330	51	-10
6252540	364100	5307862	-1	-5	-50	10	-5	-10	50	-5	2520	155	3600	665	18	285	-30	1290	37	-10

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SOIL ANALYSES

Soil	Easting (AMG)	Northing (AMG)	Au	Cu	Pb	Zn	Ag	As	Ba	Co	Fe(ppm)	Ca	K	Mg	Mn	Na	P	Ti	Zr	Ni
6252541	364100	5307875	-1	-5	-50	7	-5	-10	27	-5	1600	115	1900	380	13	255	-30	1030	28	-10
6252542	364100	5307888	2	-5	-50	7	-5	-10	12	-5	2640	280	650	205	21	220	-30	565	20	-10
6252543	364100	5307900	-1	-5	-50	8	-5	-10	54	-5	1660	120	5400	860	12	265	-30	945	32	-10
6252544	364100	5307925	-1	-5	-50	9	-5	-10	25	-5	3100	100	2350	460	19	220	-30	965	32	-10
6252545	364100	5307950	2	-5	-50	10	-5	-10	106	-5	2370	105	14900	2230	12	320	-30	1440	58	-10
6252546	364100	5307975	-1	11	-50	10	-5	-10	77	-5	10100	95	11900	1870	23	285	-30	550	47	21
6252548	364100	5307588	-1	70	-50	63	-5	-10	203	44	122000	6490	3850	38500	3110	18700	2630	6000	92	110
6252549	364100	5307575	4	98	-50	58	-5	64	67	43	311000	835	3900	4870	1780	2560	9430	1260	37	40
6252550	364100	5307562	4	9	-50	53	-5	-10	91	22	59500	3000	2650	34500	360	9840	795	4070	62	115
6252552	364100	5307538	5	113	-50	80	-5	12	194	44	57000	1100	5800	21500	410	4030	280	4300	67	180
6252553	364100	5307525	-1	219	-50	69	-5	43	260	47	92500	880	19700	24500	590	1770	150	6050	66	90
6252554	364100	5307512	4	100	-50	59	-5	39	311	15	101000	530	25000	19200	460	835	670	4280	66	97
6252555	364100	5307500	2	7	-50	11	-5	-10	23	-5	2790	220	600	385	25	300	-30	580	16	-10
6252556	364100	5307488	2	-5	-50	8	-5	-10	31	-5	3130	110	1250	315	19	230	-30	340	14	-10
6252558	364100	5307462	17	10	-50	11	-5	26	839	24	15800	165	28500	6250	18	480	260	2540	90	64
6252559	364100	5307450	2	5	-50	7	-5	-10	33	-5	3040	150	2000	425	21	270	-30	435	19	-10
6252562	364200	5307600	15	130	-50	71	-5	24	43	35	151000	3240	1700	7170	455	430	445	7870	147	125
6252563	364200	5307612	8	78	-50	52	-5	28	54	24	150000	780	1650	4450	245	505	245	9220	158	49
6252564	364200	5307625	4	50	-50	42	-5	22	76	22	113000	1140	2050	3240	175	860	190	10300	145	32
6252565	364200	5307638	4	46	-50	58	-5	22	83	21	91000	2280	2450	7230	240	625	170	6260	105	56
6252566	364200	5307650	6	84	-50	137	-5	19	149	48	125000	2580	2200	19300	765	440	380	8840	149	160
6252567	364200	5307662	3	108	-50	204	-5	29	161	61	144000	2000	1550	20000	1050	485	575	10400	179	230
6252568	364200	5307675	46	93	-50	135	-5	25	126	45	129000	1360	2500	16400	685	575	410	8380	162	165
6252569	364200	5307688	70	75	-50	118	-5	19	159	41	122000	3100	1850	14700	620	1050	515	8680	136	120
6252570	364200	5307700	-1	101	-50	96	-5	11	199	41	51000	2820	3750	25000	750	25500	465	3320	59	69
6252571	364200	5307712	16	134	-50	289	-5	26	129	38	103000	830	2450	21000	670	10100	470	7770	107	82
6252572	364200	5307725	9	100	-50	127	-5	27	173	42	99500	675	3300	25500	535	9500	540	7780	107	94
6252573	364200	5307738	2	164	-50	135	-5	22	520	46	151000	3640	5550	26500	1090	7780	945	6820	121	50
6252574	364200	5307750	4	78	-50	85	-5	23	107	22	145000	1530	2100	8680	370	1370	200	7050	107	29
6252575	364200	5307762	2	56	-50	43	-5	21	74	18	104000	3890	1550	3150	200	1580	260	8270	110	22
6252576	364200	5307775	4	94	-50	71	-5	31	61	19	161000	1370	1550	5450	220	1240	385	7490	126	31
6252577	364200	5307788	6	58	-50	43	-5	27	76	18	134000	1110	1800	3100	115	1180	355	8830	131	19
6252578	364200	5307800	24	26	-50	13	-5	78	427	-5	72000	620	12200	3650	13	400	235	1590	97	13
6252579	364200	5307812	2	7	-50	6	-5	-10	33	-5	7690	105	-500	245	34	250	-30	830	22	17
6252580	364200	5307825	12	116	-50	20	-5	335	93	-5	114000	95	5250	1830	28	505	3170	635	135	84

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SOIL ANALYSES

Soil	Easting (AMG)	Northing (AMG)	Au	Cu	Pb	Zn	Ag	As	Ba	Co	Fe(ppm)	Ca	K	Mg	Mn	Na	P	Ti	Zr	Ni
6252581	364200	5307838	65	41	50	20	-5	80	350	-5	111000	110	21500	5800	70	415	790	1260	165	25
6252582	364200	5307850	9	19	-50	9	-5	38	182	-5	37000	200	11000	3100	22	390	210	2160	74	-10
6252583	364200	5307862	36	23	-50	7	-5	14	345	5	7460	120	28000	5480	29	520	86	2610	118	10
6252584	364200	5307875	51	27	-50	10	-5	15	407	6	14700	115	34500	7160	48	565	120	2670	140	11
6252585	364200	5307888	170	16	-50	10	-5	26	321	-5	13400	110	26500	5570	27	495	86	1900	113	11
6252586	364200	5307900	16	-5	-50	7	-5	-10	69	-5	4420	175	5050	1190	22	280	56	1140	37	-10
6252587	364200	5307925	32	348	55	23	-5	27	103	18	122000	125	10300	2040	81	325	70	575	62	67
6252591	364200	5307588	3	142	-50	70	-5	38	38	23	155000	260	1800	5380	165	865	490	8570	164	47
6252592	364200	5307575	-1	102	-50	37	-5	40	30	18	144000	665	1550	4420	105	1070	390	7680	127	36
6252593	364200	5307562	3	86	-50	36	-5	35	27	14	148000	190	1500	4360	83	875	280	5610	105	38
6252594	364200	5307550	3	75	-50	38	-5	26	28	17	120000	315	1250	4360	110	715	355	5940	84	42
6252595	364200	5307538	3	17	-50	23	-5	26	62	19	31000	255	2000	5070	57	735	125	8430	119	62
6252596	364200	5307525	2	101	-50	55	-5	25	339	30	60000	575	12600	15500	280	3540	680	5220	53	78
6252597	364200	5307512	5	-5	-50	9	-5	-10	10	-5	4480	95	-500	240	25	270	-30	535	13	-10
6252598	364200	5307500	5	58	-50	66	-5	12	51	22	77500	215	3450	35500	340	240	195	4640	129	92
6252599	364200	5307488	3	-5	-50	51	-5	27	7	17	50000	100	-500	29000	300	200	-30	4620	82	87
6252600	364200	5307475	5	14	-50	11	-5	-10	100	6	7930	200	13900	2510	43	365	-30	3120	70	23
6252601	364200	5307462	-1	5	-50	8	-5	-10	7	-5	5880	110	-500	280	38	270	-30	495	12	15
6252603	364200	5307425	-1	6	-50	7	-5	13	279	-5	5930	125	24500	3990	29	465	-30	2000	91	-10
6252604	364200	5307400	4	-5	-50	7	-5	13	247	-5	3820	100	26500	4120	17	445	-30	1690	85	-10
6252605	364300	5307600	17	58	-50	44	-5	27	303	69	116000	1620	28500	9110	3520	15800	1810	1590	95	110
6252606	364300	5307588	10	35	-50	179	-5	18	143	25	86500	2830	20500	33500	440	890	1780	1500	70	260
6252607	364300	5307575	36	310	60	664	-5	33	540	110	151000	2380	3900	40500	3470	1130	1920	8520	133	290
6252608	364300	5307562	66	396	-50	231	-5	37	56	87	196000	320	1600	53000	1470	5210	1490	8690	184	225
6252609	364300	5307550	3280	193	-50	78	-5	54	127	19	125000	150	9900	17200	220	510	560	6420	143	91
6252610	364300	5307538	17	76	-50	58	-5	34	307	21	130000	105	23000	10400	160	370	260	6560	69	58
6252611	364300	5307525	26	152	-50	195	-5	25	56	33	162000	925	1350	11400	205	360	1190	5640	129	130
6252612	364300	5307512	1420	318	-50	64	-5	43	88	24	116000	195	5900	22000	245	860	1900	3980	110	140
6252613	364300	5307500	24	32	-50	68	-5	-10	162	24	85500	475	3000	30500	755	1790	440	7100	99	47
6252614	364300	5307488	9	47	-50	91	-5	22	172	48	145000	380	2400	26500	1220	1850	485	7790	87	67
6252615	364300	5307475	3	61	-50	58	-5	27	387	38	120000	355	6300	19200	915	275	470	7330	69	46
6252616	364300	5307462	3	13	-50	46	-5	19	26	28	41500	205	-500	30500	530	165	135	5190	98	110
6252617	364300	5307450	3	-5	-50	9	-5	36	211	43	20500	95	7850	1860	12	370	110	5130	156	31
6252618	364300	5307425	22	7	-50	8	-5	12	271	5	5660	85	26000	4920	32	465	-30	2650	120	10
6252619	364300	5307400	6	5	-50	9	-5	-10	30	-5	4770	145	1900	490	31	295	-30	695	22	13

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SOIL ANALYSES

Soil	Easting (AMG)	Northing (AMG)	Au	Cu	Pb	Zn	Ag	As	Ba	Co	Fe(ppm)	Ca	K	Mg	Mn	Na	P	Ti	Zr	Ni
6252620	364300	5307375	21	22	-50	8	-5	17	535	17	16400	95	19700	3190	27	435	-30	2770	75	27
6252622	364300	5307325	5	-5	-50	9	-5	16	335	6	4670	160	33500	5310	26	570	50	3410	147	10
6252624	364300	5307275	3	-5	-50	-5	-5	10	99	-5	5070	90	13500	1830	28	330	-30	1240	56	12
6252625	364300	5307250	6	-5	-50	5	-5	-10	13	-5	2890	70	1150	175	21	210	-30	365	19	-10
6252626	364300	5307225	4	8	-50	8	-5	-10	12	-5	5810	95	600	140	38	330	-30	440	18	17
6252628	364300	5307175	5	-5	-50	13	-5	12	238	-5	3650	115	25500	3770	23	550	-30	2290	97	-10
6252629	364300	5307150	6	8	-50	9	-5	-10	173	-5	4480	90	20500	3130	26	415	-30	2070	86	-10
6252630	364300	5307125	8	-5	-50	5	-5	10	142	-5	3010	105	18200	3120	15	350	70	1560	98	-10
6252631	364300	5307100	13	5	-50	7	-5	18	283	-5	5140	70	30000	4280	25	545	-30	2430	109	-10
6252632	364300	5307075	6	-5	-50	6	-5	21	235	-5	3530	90	31000	5190	15	620	60	2680	142	13
6252634	364300	5307025	2	5	-50	5	-5	-10	102	-5	4640	85	11600	1760	26	400	-30	1400	50	11
6252635	364300	5307000	3	-5	-50	6	-5	-10	24	-5	3880	105	2450	415	27	350	-30	685	24	10
6252641	364250	5307050	7	48	-50	8	-5	28	150	12	6950	75	9650	2090	20	250	-30	7450	82	29
6252643	364200	5307050	126	22	-50	11	-5	39	525	17	9370	130	27500	4790	26	465	-30	10700	134	50
6252644	364175	5307050	3	114	-50	82	-5	87	104	62	33500	410	1350	1080	40	280	410	9550	112	220
6252645	364150	5307050	6	279	-50	27	-5	135	368	29	97500	525	25000	4930	90	515	86	8660	94	115
6252650	364025	5307050	2	8	-50	6	-5	-10	13	-5	5900	85	-500	76	35	230	-30	640	13	18
6252651	364000	5307050	4	5	-50	10	-5	-10	17	-5	3680	230	1250	420	23	335	-30	520	10	11
6252652	363975	5307050	1	8	-50	11	-5	-10	20	-5	7280	215	1350	295	51	670	50	735	22	24
6252653	363950	5307050	9	-5	-50	5	-5	-10	8	-5	2740	315	-500	365	20	200	-30	245	12	11
6252657	363850	5307050	3	6	-50	-5	-5	-10	7	-5	4700	270	-500	310	28	180	-30	650	10	14
6252658	363825	5307050	2	5	-50	-5	-5	-10	-5	-5	4070	195	-500	235	28	250	-30	360	9	11
6252674	364100	5307088	1	11	-50	7	-5	-10	29	-5	7640	180	-500	145	46	265	-30	325	11	22
6252675	364100	5307100	2	28	-50	11	-5	29	430	15	10100	130	17400	2460	25	435	105	9410	106	84
6252678	364100	5307138	2	-5	-50	8	-5	20	278	7	11700	90	15600	2850	35	500	-30	3920	58	23
6252679	364100	5307150	32	35	-50	12	-5	23	543	12	12200	190	27500	5630	18	510	66	4540	119	38
6252680	364100	5307162	3	7	-50	6	-5	-10	128	-5	7520	130	12600	1920	37	395	-30	1030	48	18
6252681	364100	5307175	27	10	-50	8	-5	36	200	61	30000	100	25500	4200	17	470	76	1340	119	83
6252682	364100	5307188	20	22	-50	11	-5	-10	99	29	13400	180	10100	1760	39	340	-30	875	51	49
6252683	364100	5307200	8	8	-50	8	-5	-10	128	-5	4490	250	9550	1740	30	355	50	1210	50	12
6252684	364400	5307662	44	87	15	22	-0.5	14	156	239	131000	625	12900	7790	2090	11000	1210	3490	120	145
6252685	364400	5307638	71	35	14	29	-0.5	-5	177	41	40500	170	30500	10300	180	2410	505	8380	132	93
6252686	364400	5307612	2	127	21	113	-0.5	-5	47	60	99000	405	2010	43500	750	300	1700	8570	120	200
6252687	364400	5307588	4	48	-10	60	-0.5	-5	108	16	134000	130	11100	30000	410	2960	1690	10800	103	160
6252690	364400	5307512	-1	22	18	17	-0.5	-5	3690	-5	39500	245	24000	6170	35	605	565	5960	111	32

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SOIL ANALYSES

Soil	Easting (AMG)	Northing (AMG)	Au	Cu	Pb	Zn	Ag	As	Ba	Co	Fe(ppm)	Ca	K	Mg	Mn	Na	P	Ti	Zr	Ni
6252692	364400	5307475	-1	7	-10	7	-0.5	-5	70	-5	5360	110	2150	595	31	280	-50	1390	30	14
6252693	364400	5307462	-1	5	-10	6	-0.5	-5	47	-5	2570	90	1810	420	19	255	-50	1190	31	-10
6252694	364400	5307450	-1	6	-10	6	-0.5	-5	53	-5	5100	80	2370	465	33	280	-50	1110	30	16
6252695	364400	5307425	-1	-5	-10	5	-0.5	-5	52	-5	2090	80	2620	515	14	250	-50	1440	33	-10
6252696	364400	5307400	-1	7	-10	6	-0.5	-5	30	-5	5450	95	1750	360	35	295	-50	1040	29	15
6252697	364500	5307588	8	58	-10	6	0.5	-5	64	-5	16700	215	8290	2700	11	410	-50	770	38	-10
6252698	364500	5307575	8	22	-10	6	-0.5	-5	73	-5	15600	110	7990	3270	19	370	70	3120	118	-10
6252699	364500	5307562	-1	22	10	9	-0.5	-5	87	-5	60500	60	15000	4210	<	490	70	2590	128	13
6252700	364500	5307550	3	11	-10	8	-0.5	-5	38	-5	15900	95	4360	985	28	295	60	650	45	23
6252701	364500	5307538	18	-5	10	6	-0.5	-5	136	-5	9860	65	44000	9670	<	565	330	4060	196	16
6252702	364500	5307525	5	14	11	11	-0.5	-5	119	-5	39500	80	54000	14200	<	725	115	5650	175	-10
6252703	364500	5307512	2	-5	-10	6	-0.5	-5	41	-5	23500	105	18400	5040	<	715	65	3030	140	-10
6252704	364500	5307500	-1	5	-10	10	-0.5	-5	68	-5	8350	75	17300	5640	15	1090	170	2160	119	34
6252705	364500	5307488	-1	14	-10	9	-0.5	-5	95	-5	12700	120	28000	7240	12	400	85	2220	93	43
6252706	364500	5307475	-1	40	-10	8	-0.5	-5	114	-5	11400	95	35500	7840	26	480	50	3410	113	-10
6252707	364500	5307462	4	9	-10	6	-0.5	-5	78	-5	3270	95	41500	10500	<	755	-50	4640	130	-10
6252708	364500	5307450	12	22	-10	7	-0.5	-5	59	-5	8190	120	16100	4050	28	375	-50	1480	58	20
6252709	364500	5307425	1	20	-10	36	-0.5	-5	9	50	17900	485	1120	835	150	225	165	180	12	75
6252710	364500	5307400	3	83	-10	8	-0.5	-5	18	48	43000	100	10100	1810	15	475	60	2240	141	47
6252711	364500	5307612	3	-5	-10	10	-0.5	20	67	-5	20500	110	10700	2970	11	530	120	2220	142	31
6252712	364500	5307625	6	6	-10	6	-0.5	-5	49	-5	10100	70	15900	3360	<	530	110	2970	150	42
6252714	364500	5307650	-1	13	-10	6	-0.5	-5	21	-5	4710	260	380	560	37	310	-50	1140	34	-10
6252715	364500	5307662	57	-5	14	8	-0.5	-5	128	-5	5900	75	48000	10500	10	630	140	4700	151	-10
6252716	364500	5307675	1	-5	-10	28	-0.5	-5	125	9	7530	70	31000	7410	23	420	140	3400	135	24
6252717	364500	5307688	-1	6	-10	8	-0.5	-5	46	-5	5850	105	9270	2070	38	420	-50	1420	61	14
6252718	364500	5307700	2	10	-10	26	-0.5	-5	25	10	17300	120	3910	1260	49	590	-50	630	31	27
6252719	364500	5307712	1	6	-10	8	-0.5	-5	17	-5	11200	140	1770	3690	37	13200	105	1500	90	19
6252720	364500	5307725	2	5	-10	8	-0.5	-5	27	-5	7690	130	12400	8960	16	11200	100	3740	151	11
6252721	364500	5307738	2	16	11	11	-0.5	28	25	-5	45000	255	10000	3380	20	15500	1530	650	94	18
6252722	364500	5307750	1	26	11	12	-0.5	-5	35	-5	49000	145	20000	7150	12	4460	205	1100	100	13
6252723	364500	5307762	1	52	-10	12	-0.5	-5	37	-5	26500	160	12900	4240	15	17800	260	865	94	28
6252724	364500	5307775	4	19	-10	16	-0.5	17	82	8	76500	1010	24000	5600	175	5390	630	1130	87	16
6252726	364500	5307800	3	9	-10	10	-0.5	-5	82	-5	26500	115	25500	7640	11	885	80	1610	126	-10
6252727	364600	5307625	2	-5	13	5	-0.5	-5	158	-5	8470	95	28000	4620	<	2220	245	3200	245	15
6252730	364600	5307700	-1	-5	-10	-5	-0.5	-5	41	-5	2840	170	5930	950	17	335	-50	630	28	-10

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SOIL ANALYSES

Soil	Easting (AMG)	Northing (AMG)	Au	Cu	Pb	Zn	Ag	As	Ba	Co	Fe(ppm)	Ca	K	Mg	Mn	Na	P	Ti	Zr	Ni
6252731	364600	5307725	5	5	12	7	-0.5	62	185	-5	32500	80	32500	5020	13	515	125	1760	129	-10
6252733	364600	5307775	98	8	-10	5	-0.5	-5	60	-5	7250	95	14300	4360	11	765	75	1660	99	-10
6252735	364600	5307825	-1	-5	-10	26	-0.5	-5	39	-5	10000	215	31000	9370	10	2080	320	1740	119	18
6252736	364600	5307850	-1	7	-10	6	0.5	-5	25	-5	4660	145	2910	510	29	285	-50	720	33	12
6252737	364600	5307875	-1	-5	-10	-5	-0.5	-5	150	-5	2580	55	27500	4180	10	465	95	1750	105	-10
6252739	365350	5308300	-1	-5	-10	6	-0.5	-5	124	-5	4750	70	28500	4930	13	585	75	2100	91	-10
6252740	365375	5308300	-1	-5	-10	8	-0.5	-5	138	-5	31500	60	37500	6290	10	580	125	2060	117	-10
6252741	365400	5308300	-1	-5	-10	11	-0.5	-5	245	-5	32000	85	35500	8080	19	480	-50	4060	100	19
6252742	365300	5308300	-1	20	-10	11	-0.5	-5	119	-5	22000	130	14600	4520	34	625	150	2200	74	25
6252743	365275	5308300	2	23	12	13	-0.5	-5	180	-5	38000	105	27000	5390	84	470	405	2300	100	30
6252744	365250	5308300	2	31	18	39	-0.5	-5	42	7	53000	250	5220	31500	62	210	620	4550	130	175
6252745	365225	5308300	-1	6	-10	-5	-0.5	-5	-5	-5	5070	80	120	76	31	140	-50	180	11	14
6252746	365200	5308300	-1	-5	-10	-5	-0.5	-5	47	-5	2660	60	5140	875	14	310	65	1490	32	-10
6252747	365175	5308300	-1	6	-10	-5	-0.5	-5	8	-5	4060	180	770	320	27	215	-50	280	18	12
6252748	365150	5308300	-1	-5	-10	-5	-0.5	-5	-5	-5	2830	135	150	145	25	195	-50	345	15	-10
6252750	365100	5308300	-1	115	18	105	-0.5	27	68	52	14000	885	6640	3700	54	300	-50	1250	65	85
6252752	365100	5308250	-1	-5	19	13	-0.5	-5	141	-5	8340	105	38000	11100	19	700	110	5090	131	-10
6252753	365100	5308225	-1	-5	-10	-5	-0.5	-5	21	-5	2720	270	19300	2980	<	255	-50	2110	95	-10
6252754	365100	5308200	-1	-5	-10	-5	-0.5	-5	-5	-5	1310	410	130	295	<	150	-50	120	6	-10
6252755	365125	5308200	-1	-5	-10	-5	-0.5	-5	14	-5	1140	220	470	220	<	200	-50	515	16	-10
6252756	365150	5308200	-1	-5	-10	-5	-0.5	-5	-5	-5	780	260	-100	205	<	170	-50	310	17	-10
6252757	365175	5308200	-1	-5	-10	-5	-0.5	-5	23	-5	1090	215	4170	625	<	235	55	840	31	-10
6252758	365200	5308200	-1	-5	-10	5	-0.5	-5	158	-5	2580	95	13800	2110	11	415	80	1670	66	-10
6252759	365225	5308200	-1	-5	-10	5	-0.5	-5	62	-5	2080	315	6970	1200	14	340	65	1370	39	-10
6252760	365250	5308200	-1	6	-10	5	-0.5	-5	83	-5	3340	185	9510	1880	23	495	65	1120	42	-10
6252761	365275	5308200	-1	19	-10	7	-0.5	-5	68	-5	8340	165	7770	1840	11	9640	110	1730	83	11
6252762	365300	5308200	-1	6	-10	13	-0.5	-5	267	-5	32500	75	34000	9490	14	455	85	4020	91	12
6252763	365325	5308200	-1	-5	-10	6	-0.5	-5	128	-5	8310	75	15800	3940	<	415	-50	3050	59	-10
6252764	365350	5308200	-1	-5	-10	5	-0.5	-5	37	-5	2230	180	3120	940	<	335	-50	1620	28	-10
6252765	365375	5308200	-1	-5	-10	5	-0.5	-5	59	-5	4680	175	11400	2730	15	505	-50	2150	51	-10
6252766	365400	5308200	-1	-5	-10	-5	-0.5	-5	41	-5	2430	80	4330	750	<	295	-50	1550	34	-10
6252767	365175	5308000	2	48	12	12	-0.5	-5	72	-5	6750	100	15100	4110	<	1230	220	3050	97	16
6252769	365125	5308000	-1	-5	-10	12	-0.5	-5	242	-5	3800	70	29000	3970	12	580	105	2900	112	-10
6252770	365200	5308000	-1	-5	-10	6	-0.5	-5	133	-5	6320	85	17100	3490	12	400	50	2040	63	-10
6252771	365225	5308000	-1	-5	-10	9	-0.5	-5	278	-5	24000	65	40500	8480	18	485	85	3440	84	11

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SOIL ANALYSES

Soil	Easting (AMG)	Northing (AMG)	Au	Cu	Pb	Zn	Ag	As	Ba	Co	Fe(ppm)	Ca	K	Mg	Mn	Na	P	Ti	Zr	Ni
6252772	365250	5308000	-1	-5	-10	9	-0.5	-5	276	-5	14100	-50	39500	9480	14	460	55	4900	120	11
6252773	364700	5307925	-1	10	-10	20	-0.5	-5	108	6	17500	1610	4750	3950	175	2200	235	1280	34	14
6252774	364700	5307875	-1	-5	-10	-5	-0.5	-5	78	-5	2030	75	18300	2910	<	380	-50	1860	80	-10
6252776	364700	5307825	-1	7	-10	15	-0.5	-5	28	7	2100	165	6110	1060	13	390	-50	1020	36	12
6252777	364700	5307800	-1	-5	-10	12	-0.5	-5	179	-5	2890	115	34000	6780	14	585	65	2620	115	-10
6252779	364700	5307750	-1	-5	-10	11	-0.5	-5	38	-5	3090	115	8230	1660	17	410	-50	945	39	-10
6252780	364700	5307725	-1	-5	-10	7	-0.5	-5	31	-5	2030	85	5090	945	11	350	-50	535	37	11
6252781	364700	5307700	-1	-5	-10	9	-0.5	-5	89	-5	3670	100	22000	3900	20	470	55	1770	71	-10
6252782	364700	5307950	-1	13	-10	23	-0.5	-5	118	-5	12000	1040	7370	3690	150	375	255	2150	115	10
6252783	364700	5307975	-1	15	-10	11	-0.5	-5	143	-5	8520	190	27000	7810	16	440	65	2520	102	12
6252784	364700	5308000	-1	21	-10	12	-0.5	-5	105	23	26000	125	18400	5820	62	440	105	2520	150	28
6252785	364800	5307875	-1	7	-10	9	-0.5	-5	38	-5	21500	325	26500	6010	25	4350	105	1220	86	-10
6252789	364800	5307775	-1	26	-10	7	-0.5	-5	26	-5	9830	170	9680	4780	15	1530	-50	1300	53	-10
6252790	364800	5307750	-1	47	-10	6	-0.5	-5	50	-5	10700	275	24000	11700	<	2980	75	2640	105	-10
6252792	364800	5307700	-1	-5	-10	8	-0.5	-5	21	-5	3350	150	4080	975	17	420	-50	845	36	11
6252793	364800	5307925	-1	9	-10	5	-0.5	-5	42	-5	1970	210	2940	1440	11	415	60	1920	21	-10
6252795	364800	5307975	-1	8	-10	6	-0.5	-5	36	-5	1830	160	5640	1500	17	365	-50	900	35	-10
6252796	364800	5308000	-1	10	-10	13	-0.5	-5	45	-5	29000	180	6740	25500	<	515	60	1380	88	-10
6252797	364600	5307925	-1	-5	-10	17	-0.5	-5	58	-5	53000	125	19200	6790	19	545	200	1160	114	-10
6252799	364600	5307975	-1	-5	-10	9	-0.5	-5	105	-5	15600	145	22000	6260	12	470	70	1840	95	-10
6252800	364600	5308000	-1	-5	-10	7	-0.5	-5	102	-5	12200	105	27500	8290	<	700	65	2080	107	-10
6252801	364600	5307900	-1	-5	-10	8	-0.5	-5	61	-5	4110	135	23500	5410	<	2510	80	2630	118	-10
6252803	364650	5307900	5	-5	-10	10	-0.5	-5	59	-5	6040	140	17800	4270	12	510	115	1860	100	-10
6252804	364675	5307900	6	6	-10	10	-0.5	-5	102	-5	8260	390	22500	4570	36	765	85	1820	93	-10
6252805	364700	5307900	-1	-5	-10	6	-0.5	-5	21	-5	1960	75	8210	1230	<	405	-50	690	29	-10
6252806	364725	5307900	34	20	-10	10	-0.5	-5	70	8	31000	125	25500	4540	205	395	85	1020	87	12
6252807	364750	5307900	-1	-5	-10	9	-0.5	-5	37	-5	1940	75	5460	980	13	275	-50	1590	50	-10
6252808	364775	5307900	-1	-5	-10	16	0.7	-5	51	13	56500	28000	11700	19200	860	1180	280	510	59	10
6252809	364800	5307900	-1	11	-10	18	-0.5	8	93	7	20500	810	12700	5730	65	1130	120	990	62	15
6252810	364825	5307900	5	11	-10	23	-0.5	-5	86	6	18300	680	13600	6220	64	1110	125	1430	77	15
6252811	364850	5307900	2	16	-10	104	-0.5	-5	38	33	51000	735	28500	6580	73	11900	595	580	100	80
6252812	364875	5307900	-1	16	-10	107	-0.5	-5	56	27	63500	2740	47500	9620	68	10900	585	780	120	57
6252813	364900	5307900	15	5	-10	11	-0.5	-5	183	-5	14700	210	28500	4180	21	910	135	2020	101	-10
6252814	364925	5307900	-1	-5	-10	8	-0.5	-5	127	-5	5970	155	25500	3580	10	545	95	1930	85	-10
6252815	364950	5307900	-1	-5	-10	7	-0.5	-5	143	-5	3870	85	25000	3110	12	465	85	2250	89	-10

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Soil	Easting (AMG)	Northing (AMG)	Au	Cu	Pb	Zn	Ag	As	Ba	Co	Fe(ppm)	Ca	K	Mg	Mn	Na	P	Ti	Zr	Ni
6252816	364975	5307900	-1	-5	-10	9	-0.5	-5	298	-5	4650	135	34000	4220	19	675	150	2770	125	-10
6252817	365000	5307900	-1	-5	-10	8	-0.5	-5	100	-5	2550	140	18800	3090	<	330	75	2050	81	-10
6252818	365025	5307900	-1	-5	-10	10	-0.5	-5	239	-5	5200	60	41500	6930	17	445	90	3460	138	-10
6252819	365050	5307900	-1	-5	-10	6	-0.5	-5	62	-5	3680	130	8060	1320	16	310	55	845	34	-10
6252820	365075	5307900	17	7	-10	8	-0.5	-5	307	-5	4170	190	37500	5260	23	610	90	2460	145	-10
6252821	365100	5307900	-1	-5	-10	14	-0.5	-5	58	-5	20500	75	26000	7470	64	865	145	1380	128	18
6252822	365100	5307925	2	14	-10	17	-0.5	-5	96	-5	13000	170	52500	7110	28	3460	275	2200	100	15
6252823	365100	5307950	1	11	10	16	-0.5	-5	110	-5	35500	365	16700	6510	56	2890	225	2450	101	12
6252824	365100	5307975	4	-5	-10	10	-0.5	-5	251	-5	5060	75	34500	4860	11	635	120	3470	120	-10
6252825	365100	5308000	-1	40	-10	9	-0.5	-5	254	-5	4900	85	31500	3850	13	650	95	3040	116	-10
6252826	365100	5308025	-1	-5	-10	8	-0.5	-5	136	-5	3460	85	29000	4410	<	375	75	2510	101	-10
6252827	365100	5308050	-1	-5	-10	9	-0.5	-5	98	-5	5380	115	26000	6550	<	1190	120	2250	120	-10
6252828	365100	5308075	-1	-5	-10	11	-0.5	-5	18	-5	11800	255	9140	6720	<	4520	110	1830	103	17
6252830	365100	5308125	51	7	14	11	-0.5	-5	165	-5	5280	145	34500	6150	14	660	140	4260	131	-10
6252832	365100	5308175	-1	5	-10	6	-0.5	-5	8	-5	2060	290	820	360	12	225	-50	765	28	-10
6252833	365125	5308100	-1	254	-10	38	-0.5	15	44	41	41000	130	30000	5150	47	12100	590	750	100	75
6252834	365150	5308100	26	11	-10	8	-0.5	-5	220	-5	13200	90	31000	5450	21	475	110	2140	131	-10
6252835	365175	5308100	-1	37	40	17	0.9	-5	135	8	73000	1500	12600	9600	57	24000	2570	4480	81	33
6252836	365200	5308100	-1	-5	-10	-5	-0.5	-5	50	-5	3570	110	5100	655	14	280	65	1230	40	-10
6252837	365225	5308100	-1	7	-10	9	-0.5	-5	40	-5	12300	110	19600	2570	11	1170	175	905	57	11
6252840	365300	5308100	-1	-5	-10	9	-0.5	-5	156	-5	72000	75	28000	7960	13	360	175	3100	85	13
6252841	365325	5308100	2	-5	-10	7	-0.5	-5	136	-5	8200	105	17100	3380	11	415	-50	2580	62	-10
6252842	365350	5308100	-1	-5	-10	6	-0.5	-5	139	-5	7800	150	21000	3980	13	460	55	2620	84	-10
6252845	365400	5308000	-1	-5	-10	8	-0.5	-5	77	-5	12100	95	22500	6760	<	510	-50	2880	102	-10
6252846	365375	5308000	-1	-5	-10	30	-0.5	-5	93	-5	12500	155	25500	6410	13	500	65	2680	98	14
6252847	365350	5308000	-1	-5	-10	6	-0.5	-5	159	-5	8690	80	19200	3310	12	340	-50	2350	70	12
6252848	365325	5308000	-1	-5	-10	5	-0.5	-5	117	-5	7940	60	16900	3320	10	295	-50	2430	64	-10
6252849	365300	5308000	-1	-5	-10	-5	-0.5	-5	17	-5	2210	-50	800	195	10	155	-50	905	20	-10
6252850	365275	5308000	-1	9	-10	7	-0.5	-5	39	-5	5510	115	6280	1740	12	220	85	2300	136	13
6252851	365125	5307900	-1	-5	-10	12	-0.5	-5	184	-5	10500	115	34500	7160	12	415	65	3670	124	12
6252852	365150	5307900	-1	-5	-10	9	-0.5	-5	129	-5	7170	70	27000	5490	16	370	-50	2740	88	10
6252853	365175	5307900	-1	-5	-10	9	-0.5	-5	176	-5	9760	130	24000	5760	10	400	50	3410	101	-10
6252854	365200	5307900	-1	-5	-10	14	-0.5	-5	160	-5	11100	85	26500	6350	15	345	-50	3430	72	11
6252855	365225	5307900	-1	-5	-10	10	-0.5	-5	220	-5	13900	75	31000	6540	12	410	55	3880	90	14
6252856	365250	5307900	-1	-5	-10	11	-0.5	-5	348	-5	18300	-50	48000	8480	11	610	75	4420	112	19

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EL10/97 CAPE SORELL
SOIL ANALYSES

Soil	Easting (AMG)	Northing (AMG)	Au	Cu	Pb	Zn	Ag	As	Ba	Co	Fe(ppm)	Ca	K	Mg	Mn	Na	P	Ti	Zr	Ni
6252858	365300	5307900	-1	-5	-10	8	-0.5	-5	120	-5	9130	115	19700	3450	14	335	-50	2300	53	-10
6252859	365325	5307900	-1	-5	-10	13	-0.5	-5	124	-5	20000	85	38500	10500	16	1010	60	3410	108	20
6252860	365350	5307900	-1	-5	-10	6	-0.5	-5	52	-5	4190	90	6120	1910	18	340	-50	1190	32	-10
6252861	365375	5307900	-1	-5	-10	10	-0.5	-5	48	-5	9600	125	11000	3940	19	755	-50	1790	55	-10
6252862	365400	5307900	-1	-5	-10	15	-0.5	-5	139	-5	27500	95	34500	11100	19	1100	70	4030	123	12
6252863	365000	5307888	-1	-5	-10	5	-0.5	-5	30	-5	3510	170	3370	650	19	245	-50	890	28	-10
6252864	365000	5307875	-1	-5	-10	-5	-0.5	-5	47	-5	2800	395	6000	1010	13	245	-50	745	31	-10
6252866	365000	5307850	-1	-5	-10	5	-0.5	-5	101	-5	2990	165	11500	1670	17	365	50	1430	54	-10
6252867	365000	5307838	-1	-5	-10	5	-0.5	-5	104	-5	2990	135	21000	2900	10	365	65	2110	81	-10
6252868	365000	5307825	-1	-5	-10	6	-0.5	-5	134	-5	4210	195	24500	3480	13	360	85	2460	90	-10
6252869	365000	5307812	3	6	-10	10	-0.5	-5	153	-5	5420	305	21000	2800	19	480	85	2360	73	-10
6252870	365000	5307800	2	-5	-10	7	-0.5	-5	320	-5	11600	125	31000	4280	16	705	100	2270	106	-10
6252871	365000	5307788	9	-5	-10	6	-0.5	-5	199	-5	4760	90	22500	3070	15	475	100	2260	101	-10
6252872	365000	5307775	-1	-5	-10	-5	-0.5	-5	8	-5	3680	-50	200	44	21	155	-50	465	23	-10
6252874	365000	5307750	6	-5	-10	6	-0.5	-5	60	-5	3160	395	4730	680	21	330	-50	930	26	-10
6252875	365000	5307738	4	-5	-10	-5	-0.5	-5	42	-5	2310	440	3890	790	15	365	-50	1320	21	-10
6252876	365000	5307725	2	-5	-10	9	-0.5	-5	17	-5	2150	300	720	205	15	225	-50	905	15	-10
6252877	365000	5307712	10	-5	-10	6	-0.5	-5	153	-5	2860	320	14700	2260	17	405	105	3020	60	-10

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Appendix 12

Soil Attributes

EL10/97 CAPE SORELL
SOIL ATTRIBUTES

Soil	Sample Type	Description	Prospect
6252000	C	soil	Pelias Cove
6252001	C	soil	Pelias Cove
6252002	C	soil	Pelias Cove
6252003	C	soil	Pelias Cove
6252004	C	soil	Pelias Cove
6252005	C	soil	Pelias Cove
6252006	C	soil	Pelias Cove
6252007	C	soil	Pelias Cove
6252008	C	soil	Pelias Cove
6252009	C	soil	Pelias Cove
6252010	C	soil	Pelias Cove
6252011	C	soil	Pelias Cove
6252012	C	soil	Pelias Cove
6252013	C	soil	Pelias Cove
6252014	C	soil	Pelias Cove
6252015	C	soil	Pelias Cove
6252016	C	soil	Pelias Cove
6252017	C	soil	Pelias Cove
6252018	C	soil	Pelias Cove
6252019	C	soil	Pelias Cove
6252020	C	soil	Pelias Cove
6252021	C	soil	Pelias Cove
6252022	C	soil	Pelias Cove
6252023	C	soil	Pelias Cove
6252024	C	soil	Pelias Cove
6252025	C	soil	Pelias Cove
6252026	C	soil	Pelias Cove
6252027	C	soil	Pelias Cove
6252028	C	soil	Pelias Cove
6252029	C	soil	Pelias Cove
6252030	C	soil	Pelias Cove
6252031	C	soil	Pelias Cove
6252032	C	soil	Pelias Cove
6252033	C	mott tan talcose cy	Peilas Cove
6252034	C	tan cy with pple hem chips	Peilas Cove
6252035	C	tan cy with pple hem chips	Peilas Cove
6252036	C	rk chips of hem sltst	Peilas Cove
6252037	C	rk chips of hem sltst	Peilas Cove
6252038	C	wte talcose cy	Peilas Cove
6252039	C	wte talcose cy	Peilas Cove
6252040	C	wte talcose cy	Peilas Cove
6252041	C	rk chips of hem sltst	Peilas Cove
6252042	C	red-bn cy	Peilas Cove
6252043	C	mott variable coloured red cy	Peilas Cove
6252044	C	crmy-yellow cy	Peilas Cove
6252045	C	crmy-yellow cy	Peilas Cove
6252046	C	crmy-yellow cy	Peilas Cove
6252047	C	red-bn hem cy	Peilas Cove
6252048	C	red-bn hem cy	Peilas Cove
6252049	C	talcose wte cy	Peilas Cove
6252050	C	talcose wte cy	Peilas Cove
6252051	C	talcose wte cy	Peilas Cove
6252052	C	talcose wte cy	Peilas Cove
6252053	C	tan cy	Peilas Cove
6252054	C	sid pelite chips, qtzite	Peilas Cove
6252055	C	tan-hem cy	Peilas Cove
6252056	C	red-bn hem cy	Peilas Cove
6252057	C	tan cy	Peilas Cove
6252058	C	tan sandy cy	Peilas Cove
6252059	C	red bn hem cy with chips	Peilas Cove
6252060	C	dk mustard bn cy	Peilas Cove
6252061	C	pale mustard bn cy	Peilas Cove

EL10/97 CAPE SORELL
SOIL ATTRIBUTES

Soil	Sample Type	Description	Prospect
6252062	C	pale mustard bn cy with hem chip	Peilas Cove
6252063	C	pale mustard bn cy with hem chip	Peilas Cove
6252064	C	pale mustard bn cy with hem chip	Peilas Cove
6252065	C	crm & gy cy, pelite chips	Peilas Cove
6252066	C	p blue gy sltst chips/cy	Peilas Cove
6252067	C	p tan cy-sltst +/-MnOx	Peilas Cove
6252068	C	p tan cy-wed rk frags	Peilas Cove
6252069	C	p tan-hem pple cy	Peilas Cove
6252070	C	crm micaceous cy	Peilas Cove
6252071	C	crm micaceous cy	Peilas Cove
6252072	C	crm micaceous cy with q gravel	Peilas Cove
6252073	B	sandy q gravel	Peilas Cove
6252074	B	sandy q gravel	Peilas Cove
6252075	B	sandy q gravel	Peilas Cove
6252076	B	sandy q gravel	Peilas Cove
6252077	B	sandy q gravel	Peilas Cove
6252078	B	gy mud-sand (q-rich)	Peilas Cove
6252079	B	gy mud-sand-gravel (q-rich)	Peilas Cove
6252080	C	p yellow-tan cy	Peilas Cove
6252081	B	sand-silt gravel	Peilas Cove
6252082	B	gy mud-sand-gravel (q-rich)	Peilas Cove
6252083	B	p tan q sand	Peilas Cove
6252084	C	tan talcose cy	Peilas Cove
6252085	C	tan talcose cy with q frags	Peilas Cove
6252086	C	tan talcose cy	Peilas Cove
6252087	C	tan talcose cy	Peilas Cove
6252088	C	tan talcose cy	Peilas Cove
6252089		NO SAMPLE	Peilas Cove
6252090	C	tan talcose cy	Peilas Cove
6252091	C	tan talcose cy	Peilas Cove
6252092	C	tan talcose cy	Peilas Cove
6252093	C	tan talcose cy	Peilas Cove
6252094	C	tan talcose cy	Peilas Cove
6252095	C	tan-yellow talcose cy	Peilas Cove
6252096	C	tan talcose cy	Peilas Cove
6252097	B	tan q sand	Peilas Cove
6252098	B	bn-tan sand, subangular rk chips	Peilas Cove
6252099	C	cram talcose silt-cy	Peilas Cove
6252100	C	crm sand with talcose cy	Peilas Cove
6252303	C	mid bn clays with gn grey silicified sltst chips	North Butler
6252304	C	mid bn clays with mid grey sltst chips	North Butler
6252305			North Butler
6252306			North Butler
6252307	B	dk grey sltst chips in transported clays	North Butler
6252308			North Butler
6252309			North Butler
6252310	C	greenish mid brown clay with gn coarse silts / fine sandstone frags	North Butler
6252311	B	mott clays with hem volc chips	North Butler
6252312			North Butler
6252313			North Butler
6252314			North Butler
6252315			North Butler
6252316			North Butler
6252317	B	red bn soils with weathered volc frags	North Butler
6252318	B	tan clays with gn siltst transported chips	North Butler
6252319	C	pale greenish bn clays with gn sltst chips	North Butler
6252320	C	yellow bn clays & sltst	North Butler
6252321	C	gn bn clays & lithic wacke frags	North Butler
6252322	B/C	mott greenish bn & or bn clays	North Butler
6252323	B/C	mott greenish bn & or bn clays	North Butler
6252324	B/C	pale grey clays	North Butler
6252325	B/C	pale grey clays	North Butler

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Soil	Sample Type	Description	Prospect
6252326			North Butler
6252327			North Butler
6252328			North Butler
6252329			North Butler
6252330			North Butler
6252331			North Butler
6252332			North Butler
6252333			North Butler
6252334			North Butler
6252335			North Butler
6252336			North Butler
6252337			North Butler
6252338			North Butler
6252339			North Butler
6252340			North Butler
6252341			North Butler
6252342			North Butler
6252343			North Butler
6252344			North Butler
6252345			North Butler
6252346			North Butler
6252347			North Butler
6252348	C	red bn clays with weathered volc	North Butler
6252349	C	red bn clays with weathered volc	North Butler
6252350	B/C	tan clays with tan siltst chips	North Butler
6252351	B	red bn clays with gn transported sltst	North Butler
6252352	C	greenish bn clays with gn sltst	North Butler
6252353	B	red bn clays with gn transported silicified sltst	North Butler
6252354	C	gn bn clays & gn sltst chips	North Butler
6252355	B/C	tan clays	North Butler
6252356	B	tan clays	North Butler
6252357	B	mid bn clays with gn transported sltst	North Butler
6252358	C	mid gn sltst	North Butler
6252359	C	mid bn clays with crm bleached sediment chips	North Butler
6252360	C	mid bn clays with greenish grey chips	North Butler
6252361	C	graphitic black shale chips	North Butler
6252362	C?	white quarzite with fine sandstone chips	North Butler
6252363			North Butler
6252364	C?	white quarzite with fine sandstone chips	North Butler
6252365			North Butler
6252366			North Butler
6252367			North Butler
6252368			North Butler
6252369	C	off white clays after sltst	North Butler
6252370	B	mid bn clays with off white sltst	North Butler
6252371	C	off white clays after sltst	North Butler
6252372	B/C	mott tan & mid bn clays	North Butler
6252373			North Butler
6252374			North Butler
6252375			North Butler
6252376			North Butler
6252377	C	tan & black mn clays with mn coated volc chips	North Butler
6252378	C	red bn clays with dolerite clasts	North Butler
6252379	C	red bn clays with gn cherty sltst	North Butler
6252380	C	red bn clays with weathered dolerite frags	North Butler
6252381	C	pale greenish bn clay with pale gn grey sltst	North Butler
6252382	C	white fine sandstone / qtzite	North Butler
6252383	C	white fine sandstone / qtzite	North Butler
6252384	C	white fine sandstone / qtzite	North Butler
6252385	C	white fine sandstone / qtzite	North Butler
6252386	C	black shale clays & chips	North Butler
6252387	C	black shale clays & chips	North Butler

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Soil	Sample Type	Description	Prospect
6252388	C	black shale clays & chips	North Butler
6252389	C	grey & bn clays with mid grey sltst chips	North Butler
6252390	C	or bn clays with weathered dolerite frags	North Butler
6252391	C?	mid bn clays with gn sltst chips	North Butler
6252392	C	weathered dolerite	North Butler
6252393	C	mott off white & yell bn clays with bleached white sediment	North Butler
6252394	C	mid bn clays with dk grey silicified sltst frags	North Butler
6252395			North Butler
6252396			North Butler
6252397	A	black organic soil with fine pyrite	North Butler
6252398			North Butler
6252399	C	white fine sandstone/quartzite	North Butler
6252400	C	white fine sandstone/quartzite	North Butler
6252401	B	mid bn clays with transported siltst chips	North Butler
6252402	A/B	gn sltst frags in mid bn clays & organics	North Butler
6252403	B	mid bn clays with transported gn sltst chips	North Butler
6252404	C	pale gn sltst frags	North Butler
6252405	C	pale gn sltst frags	North Butler
6252406	C	yellow bn & crm clays with crm sltst frags	North Butler
6252407	C	pale grey clays & pale grey sltst	North Butler
6252408	C	pale grey to white fine sandstone course sltst chips	North Butler
6252409	C	greenish bn clays with mid green sltst chips	North Butler
6252410	C	or bn clays with weathered dolerite chips	North Butler
6252411	C	yellowish bn & crm clays with cleaved grey sltst	North Butler
6252412	C	mid bn clays with mn coated grey sltst	North Butler
6252413	C	mid bn clays with mn coated grey sltst	North Butler
6252414	C	mid bn clays with greenish grey sltst frags	North Butler
6252415	C	dk bn clays with weathered volc chips	North Butler
6252416	C	red bn clays with weathered dolerite frags	North Butler
6252417	B	mid bn clays with transported gn sltst chips	North Butler
6252418	C	grey sltst frags	North Butler
6252419	B	transported clays & grey sltst chips	North Butler
6252420	B	mid bn clays & transported gn sltst frags	North Butler
6252421	B	mid bn clays with transported weathered volc frags	North Butler
6252422	B	mid bn clays with transported weathered volc frags	North Butler
6252423	C	crm & yellow bn clays with crm sltst frags	North Butler
6252424	C	white fine sandstone/quartzite	North Butler
6252425	C	friable chips of bleached white sltst	North Butler
6252426	C	fine white sandstone/quartzite	North Butler
6252427			North Butler
6252428	C?	white clays after grey sltst	North Butler
6252429			North Butler
6252430			North Butler
6252431			North Butler
6252432			North Butler
6252432A	B	mid bn organic clays with transported green siltst chips	North Butler
6252433			North Butler
6252433A	C	Gn clay & sltst chips	North Butler
6252434			North Butler
6252434A	B	mid bn clays	North Butler
6252435	C	white fine sandstone/quartzite	North Butler
6252435A	B	mid bn clays with transported gn sltst chips	North Butler
6252436	C	dk grey clay & shale chips	North Butler
6252436A	C	greenish mid bn clays with gn sltst chips	North Butler
6252437	B	dk organic rich clays with transported pale grey & dk grey sltst/shale chips	North Butler
6252437A	C	greenish mid bn clays with gn sltst chips	North Butler
6252438	C	or bn clays with gn sltst chips & frags	North Butler
6252439	C	or bn clays with gn sltst chips & frags	North Butler
6252440	C	or bn clays with gn sltst chips & frags	North Butler
6252441	C	black clays after black shales	North Butler
6252442	B	yellow bn clays	North Butler
6252443	A/B	organic bn clays with black clay after shale plus angular qtz frags	North Butler

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Soil	Sample Type	Description	Prospect
6252444	B	mid brown clays	North Butler
6252445			North Butler
6252446			North Butler
6252447			North Butler
6252448			North Butler
6252449			North Butler
6252450	C	white-pale grey clay with pale grey siltst frags	North Butler
6252451			North Butler
6252452	C	mid to dk grey clays with dk grey siltst - black shale frags	North Butler
6252453	C	mid to dk grey clays with dk grey siltst - black shale frags	North Butler
6252454	B	dk brown organic clays with black shale frags	North Butler
6252455	C	mid grey clays with grey siltst & qtzite frags	North Butler
6252456	C	mid grey clays with grey siltst chips	North Butler
6252457	C	mid grey clays with grey siltst chips	North Butler
6252458	C	mid grey clays with black shale chips	North Butler
6252459			North Butler
6252460	C	black clays with black shale chips	North Butler
6252461	B	transported organic clays with chips of black shale & angular white qtz	North Butler
6252462	B	transported organic clays with chips of black shale & angular white qtz	North Butler
6252463	B	transported organic clays with chips of black shale & angular white qtz	North Butler
6252464	C	Greenish pale bn clays with gn sltst chips	North Butler
6252465	C	pale grey bn clay with oxidised sltst chips	North Butler
6252466	B	grey bn clay with transported sltst chips + angular white qtz	North Butler
6252467	B	grey bn clay with transported sltst chips + angular white qtz	North Butler
6252468		residual lag gravels sands and clays over qtzite	North Butler
6252469		residual lag sands clay and gravels over qtzite	North Butler
6252470		residual lag sands clay and gravels over qtzite	North Butler
6252471		residual lag sands clay and gravels over qtzite	North Butler
6252472			North Butler
6252473	C	yellow brown clays with white bleached sltst frags	North Butler
6252474	B	or bn clays	North Butler
6252475	B	organic bn clays with black shale & white qtz frags & chips	North Butler
6252476	B	yellow bn clays	North Butler
6252477			North Butler
6252478			North Butler
6252479	C	mott pale bn and grey clays with grey sltst chips	North Butler
6252480	C	mott pale bn and grey clays with grey sltst chips	North Butler
6252481	C	mott pale bn and grey clays with grey sltst chips	North Butler
6252482	C	mott pale bn and grey clays with grey sltst chips	North Butler
6252483	C	mott pale bn and grey clays with grey sltst chips	North Butler
6252484	A/B	pale grey and organic bn clays (after siltst?)	North Butler
6252485	C	dk grey clay after black shales?	North Butler
6252486			North Butler
6252487			North Butler
6252488	C	mid orange bn clays with frags of oxidised fe sandstone	North Butler
6252489		residual sands & clays over qtzite (black shale chips)	North Butler
6252490		residual sands & clays over qtzite (black shale chips)	North Butler
6252491	B	pale bn and pale grey mott clays	North Butler
6252492	B	pale bn and pale grey mott clays	North Butler
6252493	B	pale bn and pale grey mott clays	North Butler
6252494	B	pale bn and pale grey mott clays	North Butler
6252495	B	yellow bn clays	North Butler
6252496	B	or bn clays	North Butler
6252497	B	or bn clays	North Butler
6252498	B	yellow bn clays	North Butler
6252499	C	pale bn & pale grey clays with grey sltst chips	North Butler
6252500	B	or bn clays with transported grey sltst frags	North Butler
6252501	C	pale yellowish bn clays after leathered volc?	North Butler
6252502	C	greenish bn clays with green grey sltst chips	North Butler
6252503	B	dk bn clays with transported grey siltst chips	North Butler
6252504	C	pale bn clays with gn siltst chips	North Butler
6252505	B	tan clays with transported cleaved grey sltst chips	North Butler

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SOIL ATTRIBUTES

Soil	Sample Type	Description	Prospect
6252506	C?	mott mid bn & yellow bn clays with translucent angular qtz & specular hem floats	North Butler
6252507	B	pale yellow bn clays	North Butler
6252508	B	mott red bn clays (after dolerite?)	North Butler
6252509	B	mott yellow & red bn clays	North Butler
6252510	C	greenish light bn clays with gn siltst chips	North Butler
6252511	C?	pale bn & cream clays	North Butler
6252512	B	mid bn sandy clays overlying qtzite	North Butler
6252513	B	pale bn sandy/gritty clays with coarse qtz angular grains overlying qtzite?	North Butler
6252514	B	pale bn sandy/gritty clays with coarse qtz angular grains overlying qtzite?	North Butler
6252515	C	white coarse sandstone/qtzite	North Butler
6252516	A/B	dk bn organic sandy clays with chips of white sandst/qtzite	North Butler
6252517			North Butler
6252518			North Butler
6252519	B	dk bn clays with transported chips of sediment??	North Butler
6252520	B	tan clays with transported cleaved gn sltst chips	North Butler
6252521	B	tan clays with transported cleaved gn sltst chips	North Butler
6252522	B	greenish bn clays with transported sediment chps	North Butler
6252523	B	tan clays	North Butler
6252524	B	tan clays	North Butler
6252525	B	tan clays	North Butler
6252526	B	tan clays with tan sltst chips	North Butler
6252527	B	tan clays	North Butler
6252528	B	tan clays	North Butler
6252529	B	tan clays with sltst chips	North Butler
6252530	B	tan clays with transported gn sltst chips	North Butler
6252531	A/B	dk brown clays with transported gn sltst chips	North Butler
6252532	B	tan clays	North Butler
6252533	B	pale bn sandy gritty clays with coarse angular qtz grains over qtzite?	North Butler
6252534	B	pale bn sandy gritty clays with coarse angular qtz grains over qtzite?	North Butler
6252535	B	pale bn sandy gritty clays with coarse angular qtz grains over qtzite?	North Butler
6252536	A/B	dk bn organic rich sandy clays with coarse angular qtz grains with black shale chips	North Butler
6252537	A/B	dk bn organic rich sandy clays	North Butler
6252538	B	dk bn organic rich clays with black shale chips	North Butler
6252539	C	dk grey clays after black shale	North Butler
6252540	B	dk bn organic rich clays with gritty angular qtz chips & minor black shale chips	North Butler
6252541	B	pale grey sandy clays with white sandstone/qtzite frags	North Butler
6252542	B	CF 6252540	North Butler
6252543	B	CF 6252540	North Butler
6252544	B	pale bn sandy clays with residual white sandst & black shale chips	North Butler
6252545	B	CF 6252544	North Butler
6252546	B	CF6252540	North Butler
6252547			North Butler
6252548	B	tan clays with transported dolerite frags	North Butler
6252549	B	mott mid to dk bn clays with vole and sediment chips	North Butler
6252550	B	CF6252540	North Butler
6252551			North Butler
6252552	C	(dk turquoise) blue green clays	North Butler
6252553	C?	pale to mid grey clay after siltst	North Butler
6252554	C	mott cream & grey clay with grey sltst chips	North Butler
6252555	C	whitish grey fine to med sandst & qtzite chips	North Butler
6252556	C	whitish grey fine to med sandst & qtzite chips	North Butler
6252557			North Butler
6252558	B	CF 6252540	North Butler
6252559	B	CF 6252540	North Butler
6252560			North Butler
6252561			North Butler
6252562	B	tan clays	North Butler
6252563	B	tan clays	North Butler
6252564	B	tan clays	North Butler
6252565	B	tan clays	North Butler
6252566	B	tan clays	North Butler
6252567	B	mid bn clays	North Butler

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Soil	Sample Type	Description	Prospect
6252568	B	tan clays	North Butler
6252569	B	tan clays	North Butler
6252570	C	grey gn clays and grey gn sltst chips	North Butler
6252571	B	tan clays with transported frags of grey green fine sandst	North Butler
6252572	B	tan clays with transported frags of grey green fine sandst	North Butler
6252573	B	tan clays with transported frags of grey green fine sandst	North Butler
6252574	B	tan clays	North Butler
6252575	B	dk yellowish bn sandy clays with angular qtz grit	North Butler
6252576	B	or bn clays after dolerite??	North Butler
6252577	B	or bn clays after dolerite??	North Butler
6252578	B	pale yellow bn clays with transported sedimentary chips	North Butler
6252579	B	off white sands & silts with dk grey shale & s/s chips	North Butler
6252580	B	CF 6252578	North Butler
6252581	B	mid bn clays with transported ssedimentary chips	North Butler
6252582	B	mid bn clays with transported ssedimentary chips	North Butler
6252583	C	graphitic black shales	North Butler
6252584	C	graphitic black shales	North Butler
6252585	C	dk grey clays after black shales	North Butler
6252586	B	pale grey clays after sltst	North Butler
6252587	B	dk bn organic clays with qtzite chips	North Butler
6252588			North Butler
6252589			North Butler
6252590			North Butler
6252591	B	red bn clays (after dolerite) with transported chips rare pyriteic chips	North Butler
6252592	B	red brown clays with transported chips	North Butler
6252593	B	red brown clays with transported chips	North Butler
6252594	B	red brown clays with transported chips	North Butler
6252595	B	pale creamy bn clays	North Butler
6252596	C	pale to mid grey clays with grey sltst chips	North Butler
6252597	C	white to pale grey fine s/s and qtzite	North Butler
6252598	C	pale greenish grey clay	North Butler
6252599	C	pale greenish grey clay	North Butler
6252600	C	pale grey sandy clays with dk grey slaty chips	North Butler
6252601	C	chips of white fine s/s and qtzite	North Butler
6252602			North Butler
6252603	C	blue grey clay	North Butler
6252604	C	pale grey clay with grey sltst chips	North Butler
6252605	B	mid bn clays with transported grey sltst frags	North Butler
6252606	C	yellow bn clays	North Butler
6252607	B	mid bn clays with transported gn sltst chips	North Butler
6252608	B	mid bn clays with transported gn sltst chips	North Butler
6252609	B	yellow bn clays with transported variable coloured sltst chips	North Butler
6252610	C	yellow bn clays	North Butler
6252611	B	mid bn clays with transported gn sltst chips	North Butler
6252612	C	mott yellow bn & cream bn clays	North Butler
6252613	B	sandy clays with qtzite chips & fragments	North Butler
6252614	C	mott yellow bn & cream bn clays	North Butler
6252615	B	mott mid grey & bn clays with white bleached siltst chips	North Butler
6252616	C	pale grey clays	North Butler
6252617	B	mott pale bn clays with transported black shale chips	North Butler
6252618	C	dk grey to black shales	North Butler
6252619		residual lag qtzite & s/s and shale in a sandy clay matrix	North Butler
6252620	C	black clays after black shales	North Butler
6252621			North Butler
6252622	C	white grey clays with pale grey sltst	North Butler
6252623			North Butler
6252624	C	white grey clays with pale grey sltst	North Butler
6252625		CF 6252619	North Butler
6252626		CF6252619	North Butler
6252627			North Butler
6252628	C	mid grey clays with dk grey shale chips	North Butler
6252629	C	white grey clays after pale grey sltst?	North Butler

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SOIL ATTRIBUTES

Soil	Sample Type	Description	Prospect
6252630	C	white grey clays after pale grey sltst?	North Butler
6252631	C	white grey clays after pale grey sltst?	North Butler
6252632	C	white grey clays after pale grey sltst?	North Butler
6252633			North Butler
6252634	C	white grey clays after pale grey sltst?	North Butler
6252635			North Butler
6252636			North Butler
6252637			North Butler
6252638			North Butler
6252639			North Butler
6252640			North Butler
6252641	C	mott mid grey and mid bn clays with white sltst chips	North Butler
6252642			North Butler
6252643		residual lag of sandy clay matrix with qtzite and s/s chips	North Butler
6252644	C	mid grey clay with grey sltst laminated chips	North Butler
6252645	C	mid grey clay with grey sltst laminated chips	North Butler
6252646			North Butler
6252647			North Butler
6252648			North Butler
6252649			North Butler
6252650	C	white grey fine to medium s/s and qtzite frags	North Butler
6252651	C	white grey fine to medium s/s and qtzite frags	North Butler
6252652	C	white grey fine to medium s/s and qtzite frags	North Butler
6252653	B	sandy white grey clays	North Butler
6252654			North Butler
6252655			North Butler
6252656			North Butler
6252657	C	sandy white grey clay with fine to med s/s & qtzite clasts	North Butler
6252658	C	sandy white grey clay with fine to med s/s & qtzite clasts	North Butler
6252659			North Butler
6252660			North Butler
6252661			North Butler
6252662			North Butler
6252663			North Butler
6252664			North Butler
6252665			North Butler
6252666			North Butler
6252667			North Butler
6252668			North Butler
6252669			North Butler
6252670			North Butler
6252671			North Butler
6252672			North Butler
6252673			North Butler
6252674		residual lag organic rich sandy clays with qtzite & s/s chips	North Butler
6252675	C	pale grey off white clays after sltst??	North Butler
6252676	C	mott pale grey and pale bn clays	North Butler
6252677			North Butler
6252678	C	mott pale grey and pale bn clays	North Butler
6252679	C	dk grey to black clays after black shales	North Butler
6252680	C	dk grey sandy clays with black shale & qtzite chips	North Butler
6252681	C	dk grey & white laminated clays & shale chips	North Butler
6252682		residual lag - dk sandy organic matrix with black shale & qtzite chips	North Butler
6252683		residual lag - dk sandy organic matrix with black shale & qtzite chips	North Butler
6252684	C	or bn & black (Mn) clays with vole frags? And goss qtz chips	North Butler
6252685	C	pale greenish bn clay with pale green sltst frags	North Butler
6252686	C	mid greenish bn clay with pale gn sltst frags	North Butler
6252687	C	mid greenish bn clay with pale gn sltst frags	North Butler
6252688			North Butler
6252689			North Butler
6252690	B	transported grey sltst clasts in mott grey & br clays	North Butler
6252691			North Butler

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Soil	Sample Type	Description	Prospect
6252692		residual lag gravels sand and clay with qtzite & black shale frags & chips	North Butler
6252693		residual lag gravels sand and clay with qtzite & black shale frags & chips	North Butler
6252694		residual lag gravels sand and clay with qtzite & black shale frags & chips	North Butler
6252695		residual lag gravels sand and clay with qtzite & black shale frags & chips	North Butler
6252696		residual lag gravels sand and clay with qtzite & black shale frags & chips	North Butler
6252697	C	yellow bn clay & sltst chips	North Butler
6252698	C	yellow bn clay & sltst chips	North Butler
6252699	C	yellow bn clay & sltst chips	North Butler
6252700	A/B	organic bn claysd with yellow bn clays with sltst chips	North Butler
6252701	C	mott pale grey and orange bn clays with grey sltst chips	North Butler
6252702	C	mott pale grey and orange bn clays with grey sltst chips	North Butler
6252703	C	mott pale grey and orange bn clays with grey sltst chips	North Butler
6252704	B	granular sandy clays with sltst chips	North Butler
6252705	B	mott pale greyish bn clay with black shale chips rare pyrite	North Butler
6252706	C	mid grey clays and grey sltst	North Butler
6252707	B	pale bn clays	North Butler
6252708	A/B	mott dk bn and pale bn clays with angular qtzite chips	North Butler
6252709	A/B	mott dk bn and pale bn clays with angular qtzite chips	North Butler
6252710	C	mid grey clays and grey stlsts	North Butler
6252711	C	dk or bn clays with limonitic sltst frags	North Butler
6252712	C	pale or bn clays with sltst frags	North Butler
6252713			North Butler
6252714	B	pale greenish grey clays with fine sandstone frags	North Butler
6252715	C	mid grey clay and mid grey sltst	North Butler
6252716	C	mid grey clay and mid grey sltst	North Butler
6252717	B	dk bn organic sandy clays with sltst chips	North Butler
6252718	C	mid grey sandy clays with grey sltst/qtzite chips	North Butler
6252719	B	chocolate brown clays with transported chips incl silicified pelite with vfg pyrite	North Butler
6252720	C	pale brown clays with pale brown sltst chips	North Butler
6252721	B	dk bn & red bn mott sandy clays with limonite sandstone chips	North Butler
6252722	B	mid bn & or bn mott clays with limonitic sltst chips	North Butler
6252723	C	dk or bn sandy clays with limonitic sandstone chips	North Butler
6252724	C	dk or bn sandy clays with limonitic sandstone chips	North Butler
6252725			North Butler
6252726			North Butler
6252727	C	pale green grey clays	North Butler
6252728			North Butler
6252729			North Butler
6252730	C	pale grey sltst with grey sltst & qtzite chips	North Butler
6252731	C	pale grey clay with grey sltst chips	North Butler
6252732			North Butler
6252733	C	mid bn clays with grey sltst chips	North Butler
6252734			North Butler
6252735	C	mid bn clays with grey sltst chips	North Butler
6252736		residual lag silts clays and qtzite frags	North Butler
6252737	C	mid grey clays with grey sltst and qtzite frags	North Butler
6252738			North Butler
6252739	C	pale grey clay	North Butler
6252740	C	mott pale bn & yellow bn clays	North Butler
6252741	C	mott pale bn & yellow bn clays	North Butler
6252742	C	mott pale gn and pale or bn clays with sltst chips	North Butler
6252743	B	mid bn clays with transported sltst frags	North Butler
6252744	C	greenish bn clays with green sltst	North Butler
6252745	C	qtzite frags	North Butler
6252746	C	mid grey sandy clays with qtz chips	North Butler
6252747	C	mid grey sandy clays with qtz chips	North Butler
6252748	C	mid grey sandy clays with qtz chips	North Butler
6252749			North Butler
6252750	C	mott pale bn and black clays after black shale	North Butler
6252751			North Butler
6252752	B	pale bn clays	North Butler
6252753	B	pale bn clays	North Butler

Soil	Sample Type	Description	Prospect
6252754	C	white grey sandy clays and qtzite frags	North Butler
6252755	C	white grey sandy clays and qtzite frags	North Butler
6252756	C	white grey sandy clays and qtzite frags	North Butler
6252757	C	mid grey clays and grey sltst	North Butler
6252758	C	dk organic clays with qtzite and black shale frags and chips	North Butler
6252759		residual lag clays sandy & gravels - qtzite and dk grey sltst	North Butler
6252760	C	pale grey clay and grey sltst	North Butler
6252761	B	mott pale bn sandy clays with sandst & angular qtz chips	North Butler
6252762	C	mott yellow and mid bn clays with sltst chips & frags	North Butler
6252763	B	pale grey sltst	North Butler
6252764	B	pale grey sltst/ clays with qtzite and sandst frags	North Butler
6252765	B	pale grey sltst/ clays with qtzite and sandst frags	North Butler
6252766	B	pale grey sltst/ clays with qtzite and sandst frags	North Butler
6252767	C	pale grey clays with pale grey sltst chips	North Butler
6252768			North Butler
6252769	C	CF6252767	North Butler
6252770	A/B	dk bn organic clays with sltst & angular qtz chips	North Butler
6252771	B	mott pale brown and yellow bn clays	North Butler
6252772	C	pale grey clay with pale grey sltst frags	North Butler
6252773		residual lag gravels sands and dk organic clays with black shale chips	North Butler
6252774	C	mid grey clay and grey sltst	North Butler
6252775			North Butler
6252776	C	mid grey clay and grey sltst	North Butler
6252777	C	mid grey clay and grey sltst	North Butler
6252778			North Butler
6252779	C	mid grey clay with qtzite chips	North Butler
6252780		CF6252773	North Butler
6252781	B	pale bn clay with transported qtzite and qtz frags + black shale chips	North Butler
6252782	C	pale grey clay after sltst??	North Butler
6252783	B	mid brown clays	North Butler
6252784	C	mid grey clays with grey sltst	North Butler
6252785	B	mott greenish brown clay	North Butler
6252786			North Butler
6252787			North Butler
6252788			North Butler
6252789	C	grey sltst frags & chips	North Butler
6252790	C	grey clay and grey sltst	North Butler
6252791			North Butler
6252792		CF6252773	North Butler
6252793	B	pale brown clays with angular white qtz chips	North Butler
6252794			North Butler
6252795		CF6252773	North Butler
6252796	B	mott yellow/or bn clays	North Butler
6252797	B	mott yellow/or bn clays	North Butler
6252798			North Butler
6252799	B	mott pale and or bn clays	North Butler
6252800	B	mott pale and or bn clays	North Butler
6252801	B	mid bn clays	North Butler
6252802			North Butler
6252803	B	pale bn clays	North Butler
6252804	B	dk bn clays	North Butler
6252805	C	pale grey sandy clays with qtzite chips	North Butler
6252806	B	mott dk grey & dk bn clays (after black shale?)	North Butler
6252807	C	CF 6252805	North Butler
6252808	B	mid bn clays with transported clasts of mid grey sltst	North Butler
6252809		CF 6252805	North Butler
6252810	B	dk bn clay with transported chips	North Butler
6252811	C	strangly pyriteic limonite stained blue grey clay with sltst/sandst	North Butler
6252812	C	strangly pyriteic limonite stained blue grey clay with sltst/sandst	North Butler
6252813	C	black clay and black shale frags	North Butler
6252814	B	mott mid bn & black clay (after black shale)	North Butler
6252815	B	mott mid bn & black clay (after black pyrite noted)	North Butler

Soil	Sample Type	Description	Prospect
6252816	C	mott bn clays with dk grey sltst chips	North Butler
6252817	C	mid grey clays with grey sltst chips	North Butler
6252818	C	mid grey clays with grey sltst chips	North Butler
6252819		CF 6252773	North Butler
6252820	C	black clay with black shale chips	North Butler
6252821	C	mott pale green and pale or clays with green grey sltst chips	North Butler
6252822	B	mid bn clays with transported chips	North Butler
6252823	B	mid brown and mid or mott clays	North Butler
6252824	C	pale grey clays and grey sltst	North Butler
6252825	B	mid bn clays with transported sltst and angular qtz chips	North Butler
6252826	C	mid grey clays with grey sltst chips	North Butler
6252827	B	dk brown organic clays with transported sslt and angular qtz chips	North Butler
6252828	A/B	organic clays with transported orange brown clays and chips	North Butler
6252829			North Butler
6252830	C	black clay and black shale	North Butler
6252831			North Butler
6252832	C	pale brown clays with qtzite frags & chips	North Butler
6252833	C	pyritic mott grey clay & sltst	North Butler
6252834		CF 6252773	North Butler
6252835	C	olive green and mid grey clays	North Butler
6252836	C	pale grey aloys and qtzite frags	North Butler
6252837	B	yellow bn clays with transported white qtz frags	North Butler
6252838			North Butler
6252839			North Butler
6252840	B	mid brown clays	North Butler
6252841	C	pale grey clays (after sltst?0	North Butler
6252842	C	pale brown silty clays	North Butler
6252843			North Butler
6252844			North Butler
6252845	C	CF 6252841	North Butler
6252846	C	CF6252841	North Butler
6252847	C	pale bn silty clays (after sltst)	North Butler
6252848	B	mid bn clays	North Butler
6252849	C	pale bn silty clays with qtzite chips	North Butler
6252850	B	mid bn clays with transported chips	North Butler
6252851	C	pale grey clay (after sltst?)	North Butler
6252852	C	pale bn clay (after sltst?)	North Butler
6252853	C	pale bn clays & sltst	North Butler
6252854	C	pale bn clays & sltst	North Butler
6252855	C	pale bn clays & sltst	North Butler
6252856	C	pale bn clays & sltst	North Butler
6252857			North Butler
6252858	C	pale grey clays with sltst chips	North Butler
6252859	C	pale grey clays	North Butler
6252860	C	CF 858	North Butler
6252861	C	CF 858	North Butler
6252862	C	CF 858	North Butler
6252863	A/B	organic rich dk brown clays with resiual sltst qtzite & qtz chips	North Butler
6252864	A/B	organic rich dk brown clays with resiual sltst qtzite & qtz chips	North Butler
6252865			North Butler
6252866	B	mid bn clays with transported sltst chips	North Butler
6252867	C	CF 858	North Butler
6252868	C	CF 858	North Butler
6252869	B	organic dk bn clay & pale grey clay after sltst	North Butler
6252870	C	CF 858	North Butler
6252871	C	CF 858	North Butler
6252872	C	bedrock qtzite	North Butler
6252873			North Butler
6252874		residual lag silty organic clays with qtzite frags	North Butler
6252875		CF 874	North Butler
6252876		CF874	North Butler
6252877		CF874	North Butler

EL10/97 CAPE SORELL
SOIL ATTRIBUTES

Soil	Sample Type	Description	Prospect
6252878			North Butler
6252879	C	REPEAT 6252612	North Butler
6252880	C	REPEAT 6252609	North Butler
6252881	C	REPEAT 6252608	North Butler
6252882	C	REPEAT 6252581	North Butler
6252883	C	REPEAT 6252585	North Butler
6252884	C	REPEAT 6252538	North Butler
6252885	C	REPEAT 6252533	North Butler
6252886	C	REPEAT 6252520	North Butler
6252887	C	REPEAT 6252502	North Butler

Appendix 13

Interpretation of geophysical data by Nigel Hungerford (1999)

TCR 99-4382A.

614256

PACIFIC NEVADA MINING PTY LTD

CAPE SORELL AREA, W. TASMANIA

INTERPRETATION OF GEOPHYSICAL DATA
ON PELIUS COVE & HILL 99 GRIDS

By

N. HUNGERFORD
FLAGSTAFF GEOCONSULTANTS PTY LTD
4/99

copies: Pacific Nevada, Perth ✓
Pacific Nevada, Hobart
Flagstaff GeoConsultants, Melbourne

DISCLAIMER

Summary

Flagstaff GeoConsultants were requested to carry out interpretations of geophysical data over the Pelius Cove and Hill 99 grids on the Sorell Peninsula, West Tasmania. The majority of the data comprises results from IP and TEM surveys carried out by Zonge Engineering between January and April 1999.

The slow progress of the ground surveys was primarily due to weather constraints, but lack of availability of the geophysical crew meant a lapse of a month between the 1st and 2nd gradient arrays at Pelius Cove.

Strong phase (IP) and low resistivity responses at Pelius Cove provide good drill targets in an area largely obscured by glacial cover, although there is no direct spatial correlation with a nearby small area of anomalous gold soil geochemistry. The phase response correlates with high arsenic.

On the Hill 99 grid a very strong phase IP response provides a suitable target, although the lack of EM response elsewhere downgrades the likelihood of massive sulphides extending from the small coastal outcrop underneath the grid. Again, high arsenic but not gold correlates with the phase anomaly.

Geological maps provided by Pacific Nevada, Hobart office, are included in this report, together with the geophysical and geochemical images, all at 1:10,000 scale.

FIGURES

PELIUS COVE

HILL 99

PELIUS COVE

The phase and resistivity results are rather erratic along the gradient profiles, but when gridded do produce coherent images with distinct trends. The resistivity values are surprisingly low, generally in the range between 16 and 120 ohm-metres. These values are more appropriate to highly weathered terrains as found in the Yilgarn, Western Australia, rather than Tasmania.

These low calculated resistivity values may be due to the location of the gradient array current electrodes which at their eastern ends are not far from Macquarie Harbour which contains saline water at shallow depth. The current through the ground may therefore be short-circuited through the saline water, giving low voltages and consequently low resistivities.

Current electrode positions are as follows:

Southern array:	West 362250E / 5309600N East 365050E / 5309600N
Northern array:	West 362250E / 5310400N East 364300E / 5310400N

(The northern array was surveyed in January 1999, and the southern array in March 1999. The delay is understood as being due to the unavailability of the Zonge crew).

The low resistivities probably explain why the raw-phase and 3pt-phase values are very different in absolute terms although generally the relative profile shapes remain similar giving rise to similar anomaly positions. (The 3pt phase is derived from a calculation that uses a base frequency and two harmonics to remove the effect of EM coupling between transmitter and current electrode wires EM Coupling increases with decreasing ground resistivity).

Inspection of the raw-phase and 3pt – phase images (Figs P2 & P1) indicates higher anomalous values for the former in the northern part of the grid and higher values for the latter in the central-south part of the grid, although peak positions for both occur on line 5,310,000N.

Comparison of the resistivity and 3pt-phase images (Figs P3 & P2) shows a correlation between high phase and low resistivity throughout the south-western part of the grid. This indicates a geological source that contains polarisable and conductive material such as sulphides and / or graphite.

The width of the polarisable and conductive zone is about 400 metres, which suggests a broad sulphide alteration zone is present, since carbonaceous units are seldom this broad.

The zone also has considerable strike extent, in excess of 1200 metres since it is open to the south-west.

A coincident weak conductive trend was delineated by the 1984 Dighem (Airborne EM) surveys over a strike length of about 1km. The conductor was classified as a "near-surface wide conductive rock unit", which is indeed what it appears to be from the present IP survey.

A line of dipole-dipole IP was carried out along line (53) 10000N from (36) 3300E to (36) 4200E. A smooth-model inversion was subsequently carried out by Zonge in order to create a depth section for both phase and resistivity (shown on the top panel of each pseudo-section, Figs P5 & P6).

The dipole-dipole sections show very strong sub-surface layering particularly on the phase. This can be interpreted as a thin (about 50m) surficial layer, which in this location could be recent glacial sediments, overlying Proterozoic (?) bedrock.

The phase section (Fig P5) shows a very broad high response across most of the length of the line extending considerably further to the east than indicated from the gradient array data. This may be due to increasing thickness of glacials to the east affecting depth of penetration of the gradient array.

Layering of the resistivity section (Fig P6) is less evident with more variation, although conductive bedrock is present across much of the line.

An aeromagnetic image (1st vertical derivative, reduced to pole, Fig P4) is shown over the Pelius Cove area (data from 1998 UTS detailed helimag survey). There is a suggestion of a fold with a SW-NE axis, which roughly correlates with the outline of the low resistivity region from the gradient array survey. Dips appear to be steep so it is not possible to say whether a plunging syncline or anticline is present.

From the magnetics, a SW-NE fault may bound the western limb of this fold. North-east of the fold nose is a magnetic high at 364080E, 5310470N which has no clear IP response, so is more likely to be caused by magnetite than pyrrhotite.

DRILL PROPOSAL

The strongest gradient array responses occur on line 5310000N, and drill targets can be selected from the dipole-dipole data. The proposed holes (at inclinations of 45^o) are shown on the dipole sections as yellow lines.

DPC1 (collar at 363505e / 3509950N, drilled to the west) is designed to test a combined high phase, low resistivity target that is likely to be caused either by semi-massive sulphides or graphitic sediments. This hole should intersect the source although there is a possibility the source is 100metres to the west from the shape of the dipole phase section, which unfortunately may not extend far enough to the west to clarify anomaly shape. The hole should test the peak of the gradient phase response however.

DPC2 (collar t 363900E / 3509950N, drilled to west) is designed to intersect a high phase and possible high resistivity response on the dipole line. This may be caused by a combination of disseminated sulphides and quartz veining. The target at about (36) 3800E on line 3510000N has a less evident gradient array phase response than on the dipole line.

GEOCHEMISTRY

Images of the soil geochemistry for Au, As, Zn and Cu are attached (Figs P7 – P10). Each has the high contours of the 3pt phase IP superimposed, together with the proposed drill holes. The absence of samples along some grid lines occurs where glacial sediments were encountered, and assays could then be deemed unreliable.

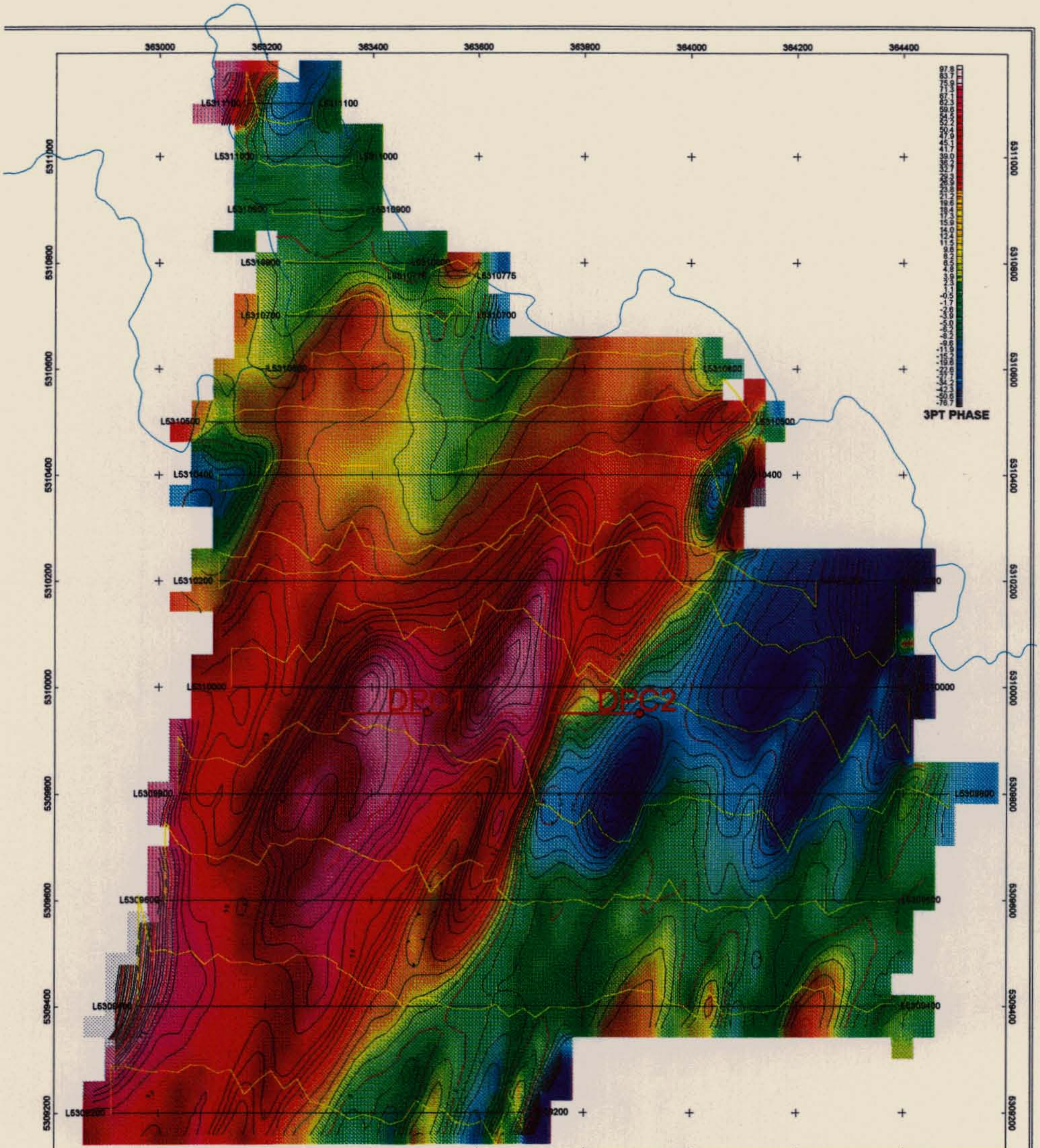
The gold appears to have no correlation with the high phase, occurring predominantly in the east of the grid which is also the area of most glacial cover. There is therefore a possibility that the gold is derived from and contained in the glacials.

By contrast, Arsenic has a very close correlation with the phase response (but not with the gold). The IP phase has a weaker correlation with copper, and none with zinc. Proposed hole DPCI will test combined high (gradient) phase, low resistivity, high arsenic (max 28ppm), and moderate copper (max 53ppm).

Proposed hole DPC2 will be drilled through glacials where there are no surface soil results (tests IP response at depth).

Of note is an area in the north of the grid (about 363650E, 5310500N) where distinctly anomalous As, Cu, Zn and Fe are present. Although there are no geophysical anomalies at this location, the geochemical anomalies are along strike from a trend of high phase response (tested by DPC-1).

614262



CURRENT ELECTRODES
NORTHERN ARRAY:
WEST: 362250E/5310400N
EAST: 365050E/5310400N
SOUTHERN ARRAY:
WEST: 362250E/5309600N
EAST: 365050E/5309600N

metres

PACIFIC NEVADA MINING PTY LTD

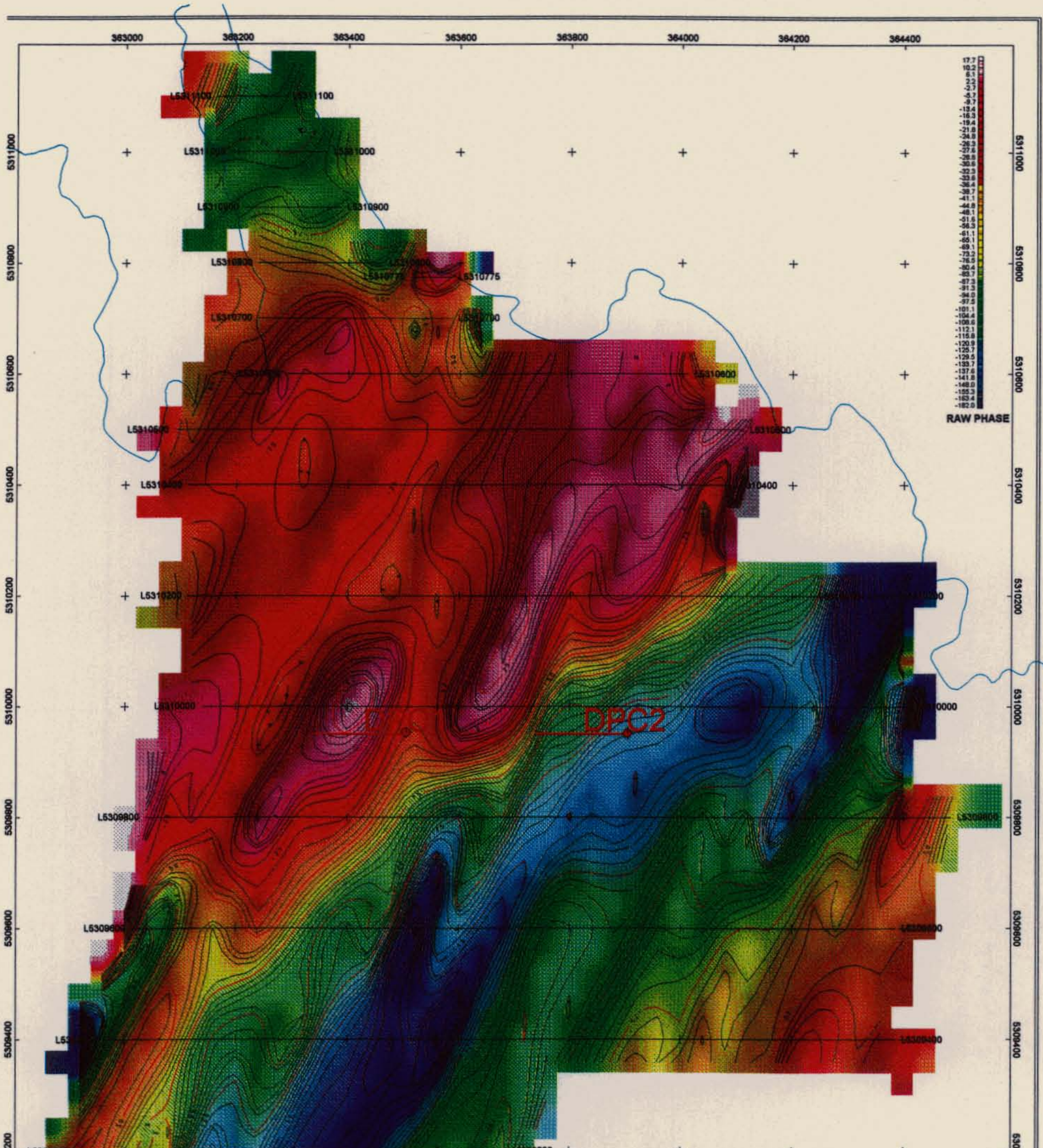
PELIUS COVE, CAPE SORELL, TASMANIA
IP/RESISTIVITY SURVEY; ZONGE, 3/99

3PT PHASE; SUN FROM SE
CONTOUR INTERVAL:5,25mrad; PROFILE:3mrad/mm

FLAGSTAFF GEOCONSULTANTS; NH, 3/99

5 cm

614263



CURRENT ELECTRODES
NORTHERN ARRAY:
WEST: 362250E/5310400N
EAST: 365050E/5310400N
SOUTHERN ARRAY:
WEST: 362250E/5309600N
EAST: 365050E/5309600N

5 cm

PACIFIC NEVADA MINING PTY LTD

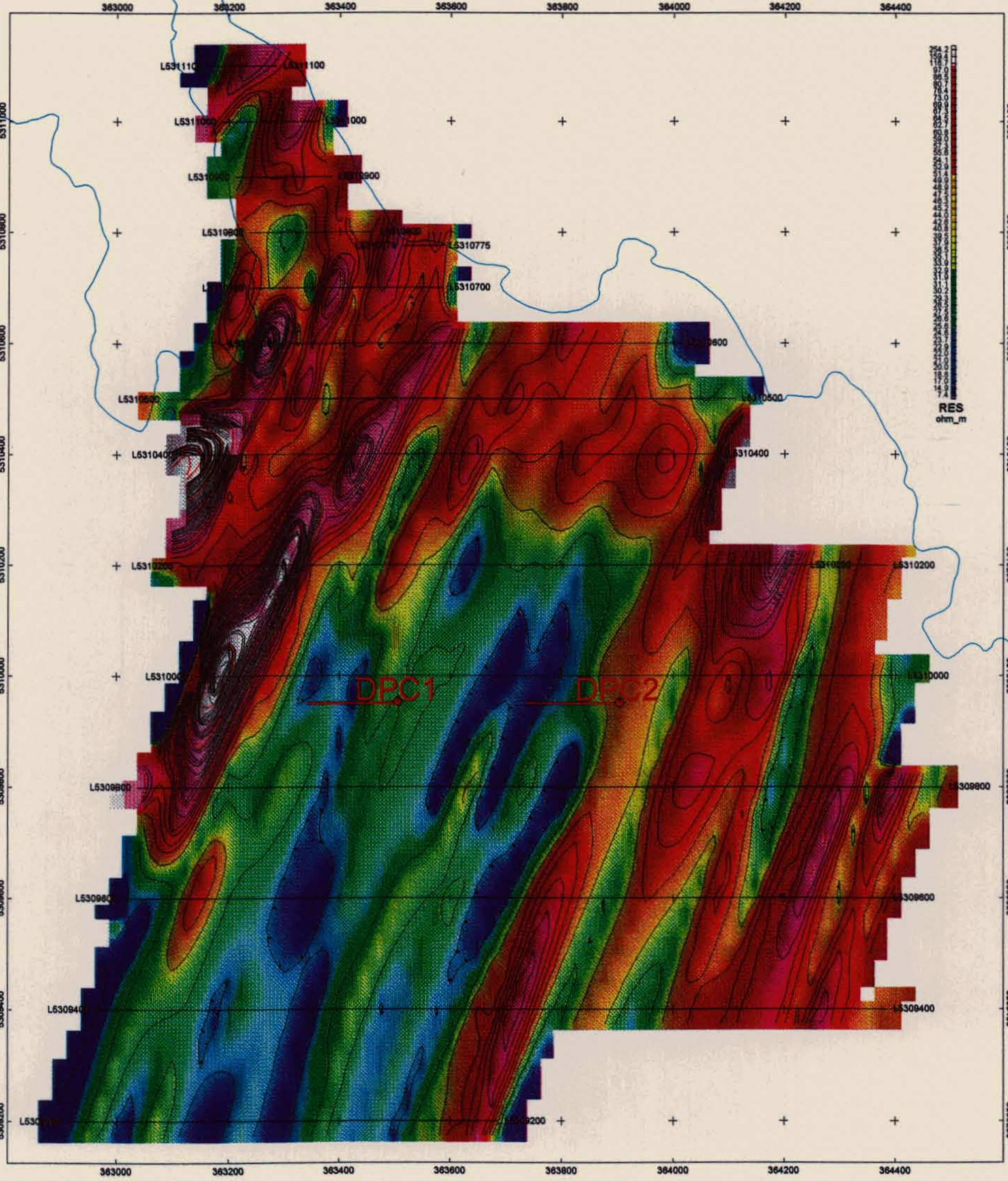
PELIUS COVE, CAPE SORELL, TASMANIA
IP/RESISTIVITY SURVEY; ZONGE, 3/99

RAW PHASE; SUN FROM SE
CONTOUR INTERVAL:5,25mrad

FLAGSTAFF GEOCONSULTANTS; NH, 3/99

P2

614264



CURRENT ELECTRODES
NORTHERN ARRAY:
WEST: 362250E/5310400N
EAST: 365050E/5310400N
SOUTHERN ARRAY:
WEST: 362250E/5309600N
EAST: 365050E/5309600N

5 cm

PACIFIC NEVADA MINING PTY LTD

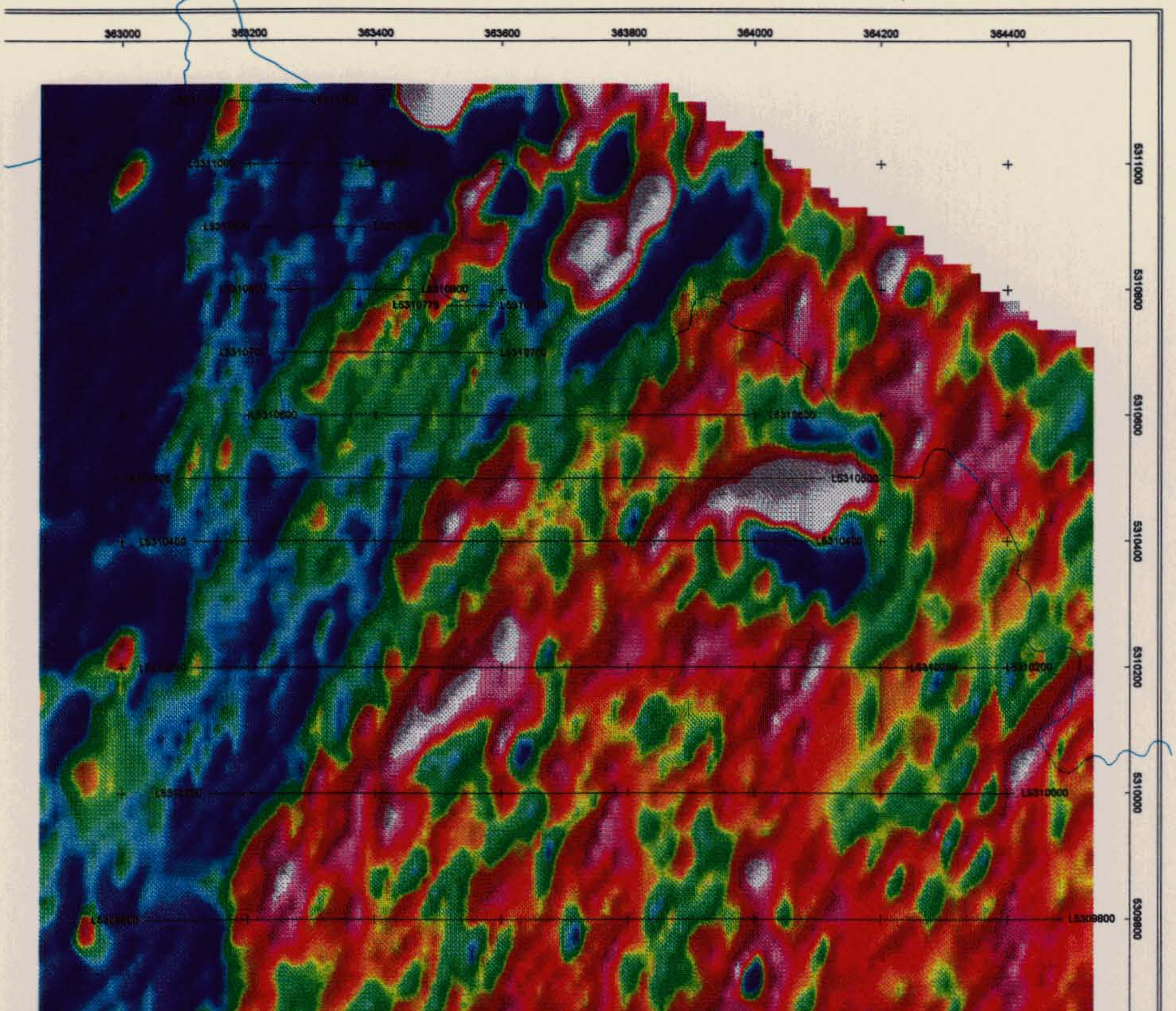
PELIUS COVE, CAPE SORELL, TASMANIA
IP/RESISTIVITY SURVEY; ZONGE, 3/99

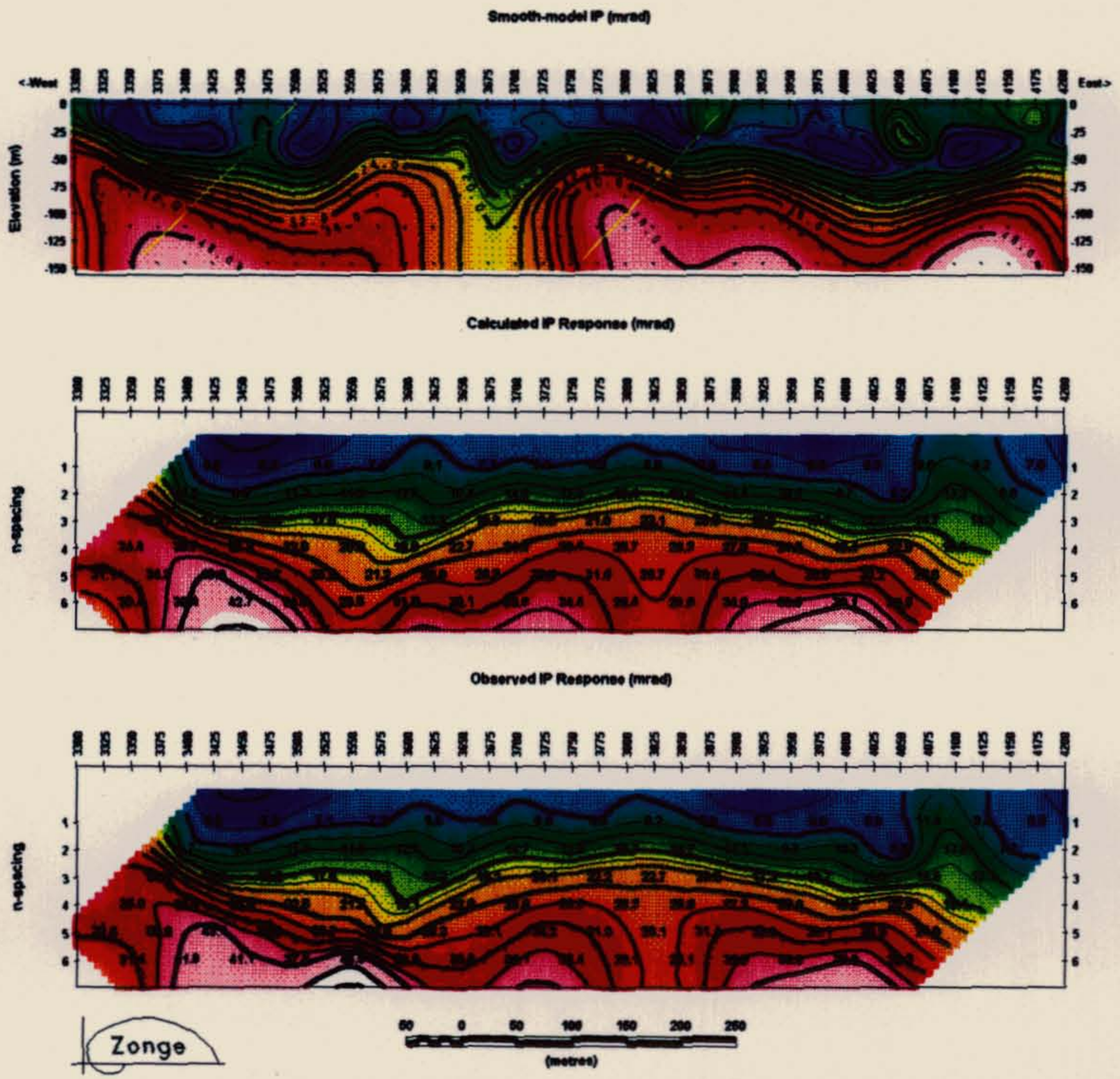
APPARENT RESISTIVITY; SUN FROM SE

FLAGSTAFF GEOCONSULTANTS; NH, 3/99

P3

614265


PACIFIC NEVADA MINING PTY LTD
PELIUS COVE, CAPE SORELL, TASMANIA
DETAILED HELIMAG; UTS, 1998
1ST VERTICAL DERIVATIVE, REDUCED TO POLE
SUN FROM SE; GRADIENT IP LINES SHOWN
FLAGSTAFF GEOCONSULTANTS; NH, 3/99
5 cm



Pelius

Line 10000N

5 cm

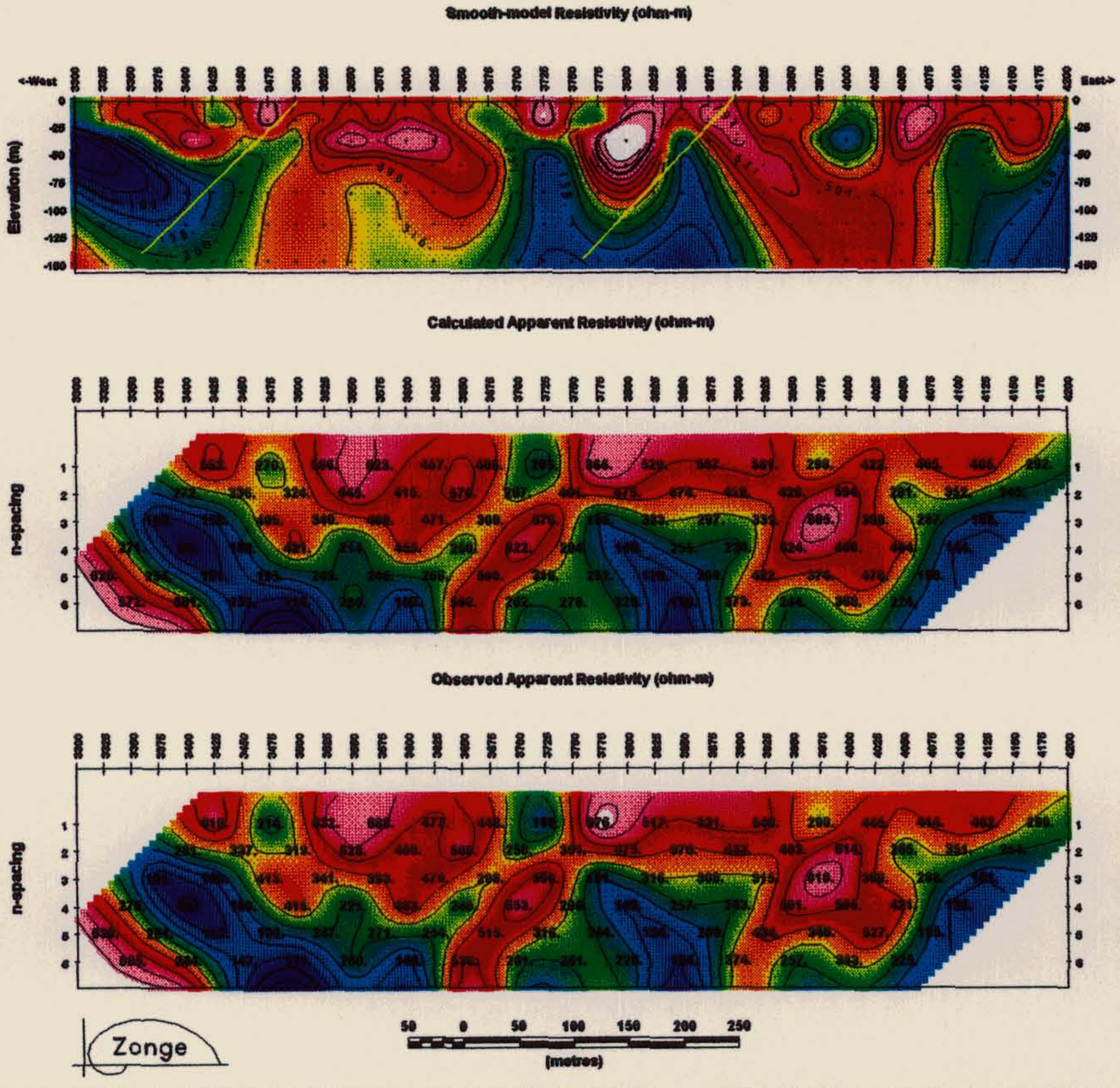
Survey Parameters:
50m dipole-dipole data
0.125 hertz repetition rate
Observed data from 10000N.AVG

Inversion Control Parameters:
IPSmth=0.1,dpW=0.5,dxW=1.,dzW=1.

IP
mrad

Pacific Nevada Mining Pty Ltd				
Pelius Line 10000N Smooth-Model Inversion of Dipole-Dipole IP Data				
AUTHOR	DRAWN	DATE	SCALE	REPORT
Zonge	Zonge	[illegible]	[illegible]	Job 427
REF: Job 427			[illegible]	P5

614266



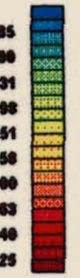
Pelius

Line 10000N

5 cm

Survey Parameters:
50m dipole-dipole data
0.125 hertz repetition rate
Observed data from 10000N.AVG

Inversion Control Parameters:
ResSmth=1.,dpW=0.5,dxW=1.,dzW=1.



Pacific Nevada Mining Pty Ltd

Pelius

Line 10000N

Smooth-Model Inversion of

Dipole-Dipole Resistivity Data

AUTHOR	DRAWN	DATE	SCALE	REPORT
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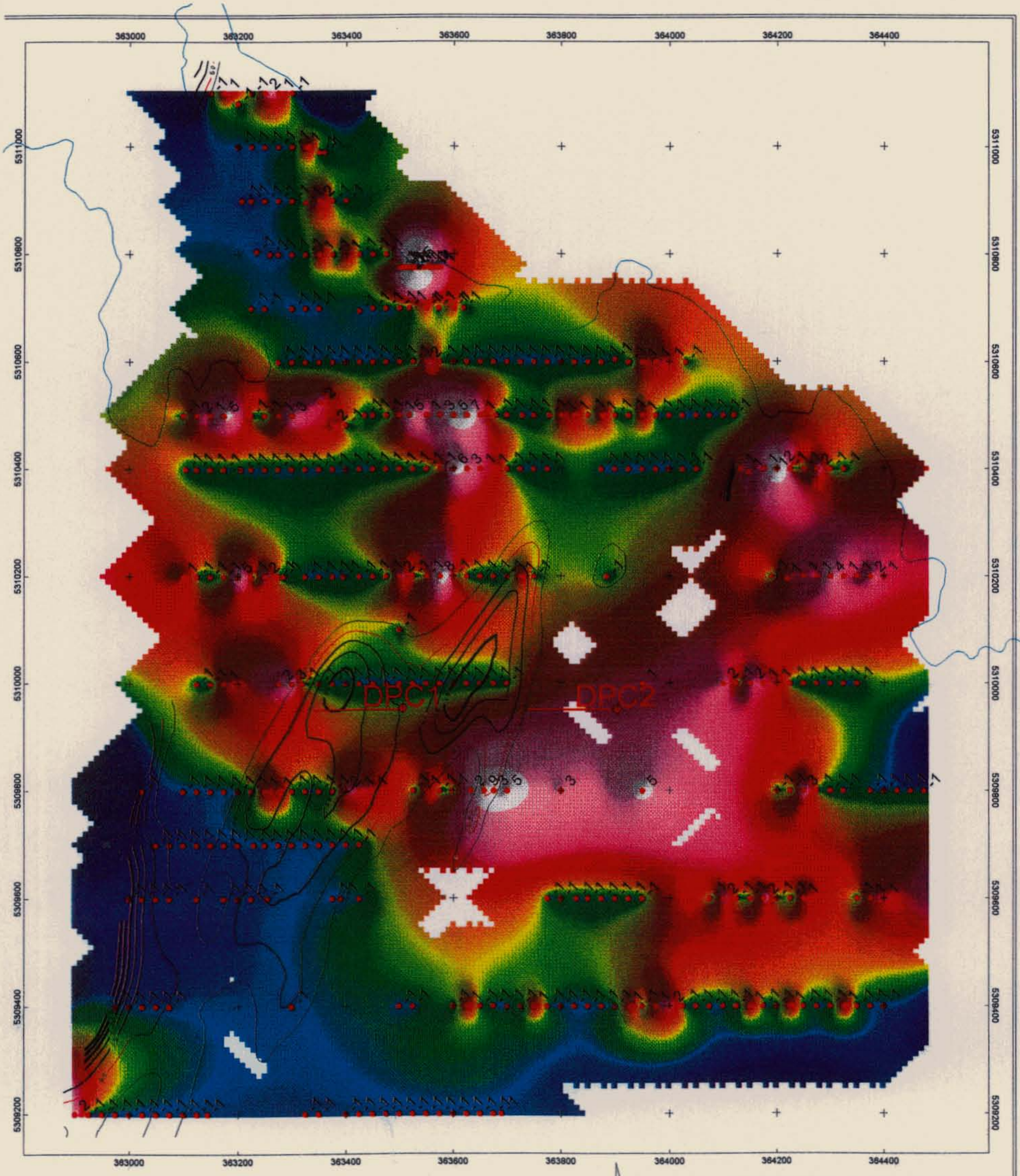
REF: Job 427			R10000N.*	P6

614267

614268



PACIFIC NEVADA MINING PTY LTD

PELIUS COVE, CAPE SORELL, TASMANIA
SOIL GEOCHEMISTRY

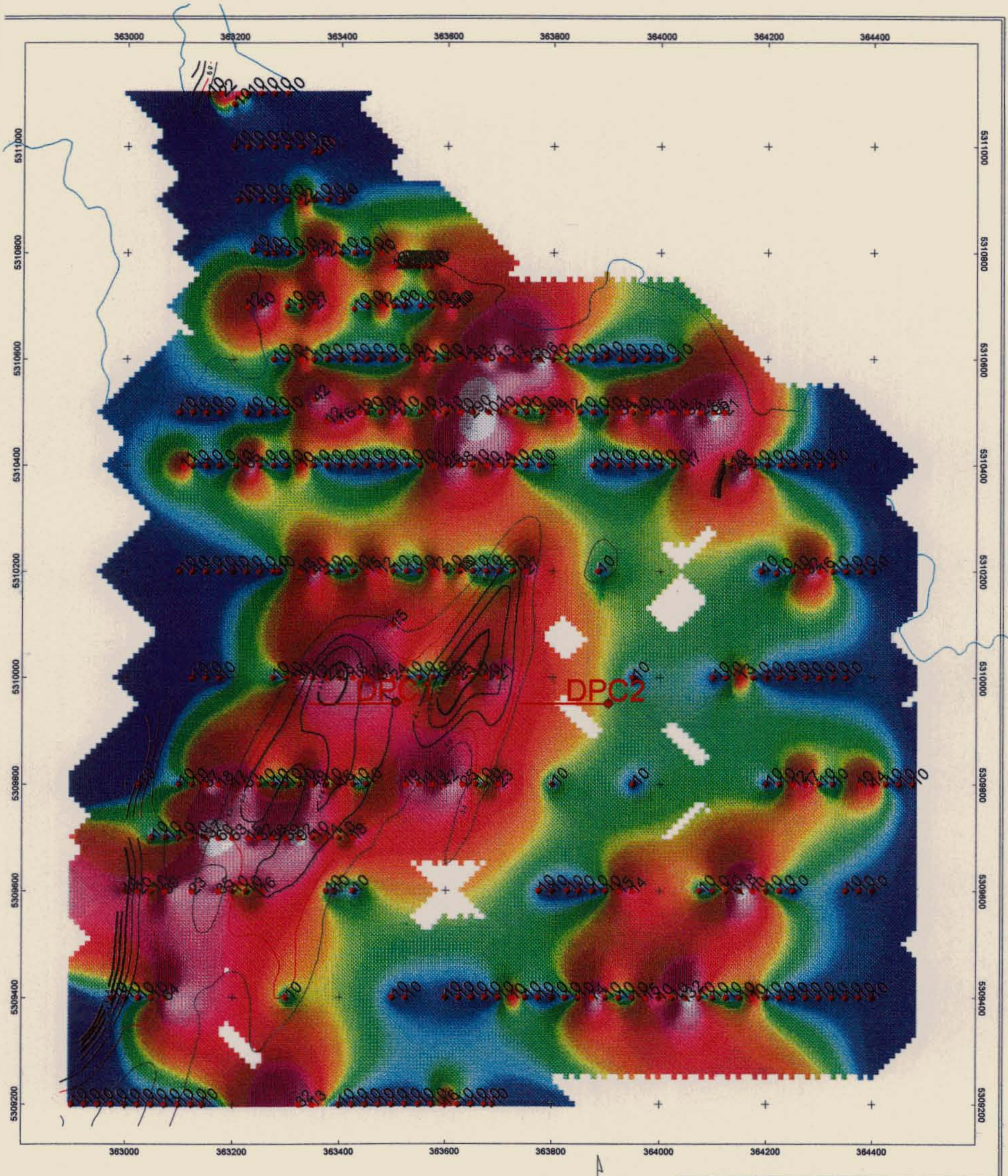
GOLD, ppb; SUN FROM EAST
CONTOURS OF 3PT PHASE IP

FLAGSTAFF GEOCONSULTANTS; NH, 4/99

P7

5 cm

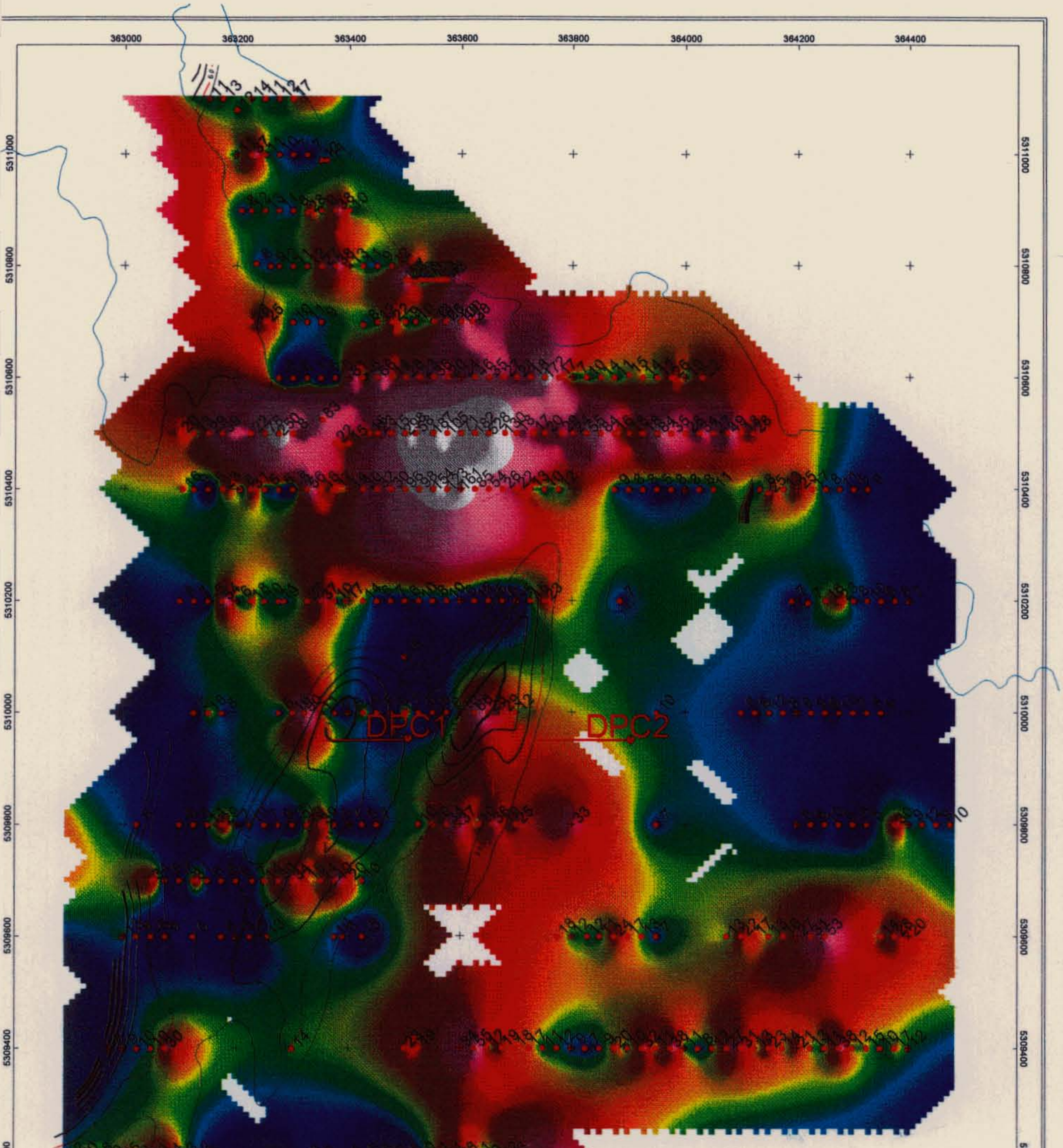
614269



PACIFIC NEVADA MINING PTY LTD
PELIUS COVE, CAPE SORELL, TASMANIA
SOIL GEOCHEMISTRY
ARSENIC, ppm; SUN FROM EAST
CONTOURS OF 3PT PHASE IP
FLAGSTAFF GEOCONSULTANTS; NH, 4/99
DPC1
DPC2
5 cm

P8

614270



PACIFIC NEVADA MINING PTY LTD

PELIUS COVE, CAPE SORELL, TASMANIA
SOIL GEOCHEMISTRY

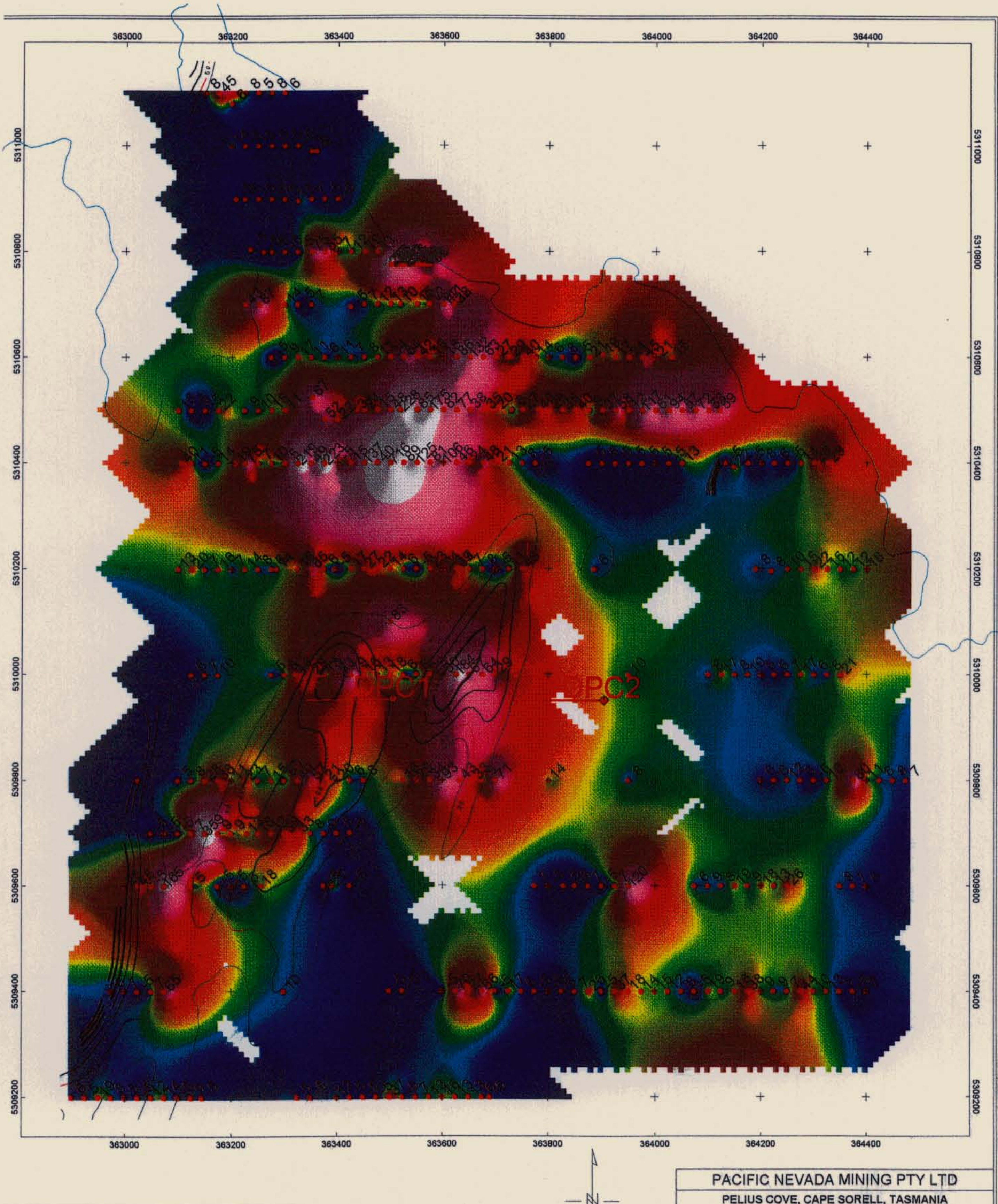
ZINC,ppm; SUN FROM EAST
CONTOURS OF 3PT PHASE IP

FLAGSTAFF GEOCONSULTANTS; NH, 4/99

5 cm

P9

614271



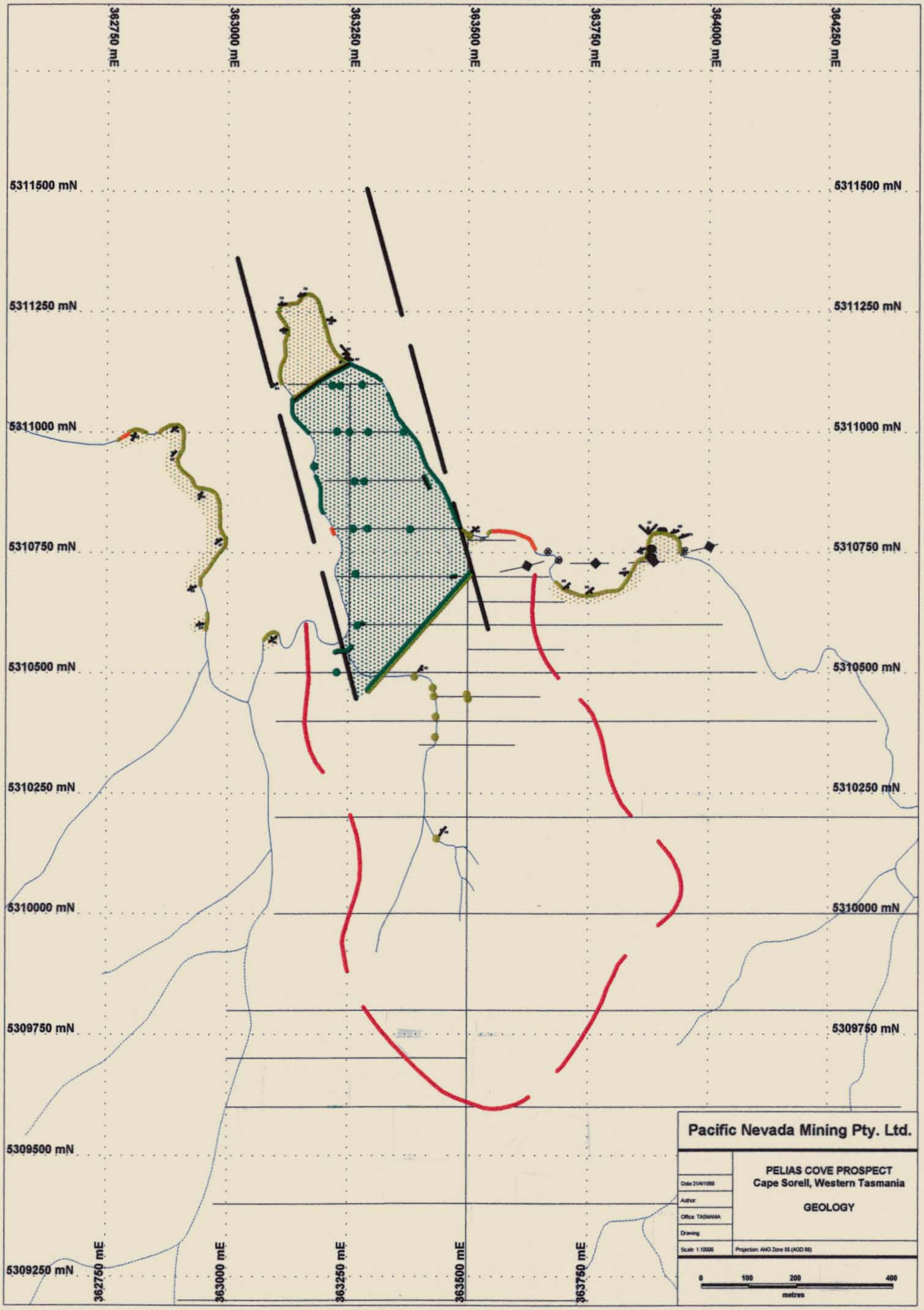
PACIFIC NEVADA MINING PTY LTD

PELIUS COVE, CAPE SORELL, TASMANIA
SOIL GEOCHEMISTRY

COPPER,ppm; SUN FROM EAST
CONTOURS OF 3PT PHASE IP

FLAGSTAFF GEOCONSULTANTS; NH, 4/99

P10



P11

5 cm

614272

West Baylee

Legend

Legend

- Laminated grey siltstone with interbeds of medium grained lithic wacke. Black carbonaceous shale horizons
- Grey milaceous phyllite with graphitic shale
- Talc - chlorite - sericite schist
- Sheared, serpentinised ultramafics
- Calc - silicate altered dolerite
- Pervasive chlorite alteration
- Common quartz(buck) veining
- Silicification
- Chalendonic quartz veining
- 76 Bedding
- 76 Cleavage
- Vertical
- Major lithological boundaries (inferred)

Hill 99

Legend

Legend

- Siltstone Lithicwacke. Strongly cleaved and altered. Primary textures generally destroyed. Subordinate flow? Breccia horizons.
- Phyllitic Shales
- Laminated and thinly bedded grey Siltstone
- Schist/mylonite : ser - chl - carb
- Gabbro
- Sheared, Serpentinised ultramafics
- Massive Sulphide (Pyrite - quartz -/+ pyrrhotite
- Gossan occurance (float)
- Common quartz veining
- Pervasive Chlorite Alteration
- Shear boundary
- Major lithological boundaries (inferred)
- 78 Bedding
- 76 Cleavage
- Cleavage Vertical
- 65 Minor Fault

Pelias Cove

Legend

Legend

TERTIARY

- Silcrete / Ferricrete Breccia. Poorly sorted, angular clasts, poorly lithified

EOCAMBRIAN

- Quartzite. Pale grey to off white, massively bedded. Minor fined grained, subangular to subrounded quartz arenite units.(Float unless stated)
- Siltstone. Mottled, orange brown to tan. Thinly laminated to thin bedded < 5cm with subordinate very coarse to granule size, subangular to angular sandstone horizons. Monomictic, quartzite clast, pebble-cobble conglomerate noted as
- Fault
- Anticline
- 76 Bedding
- Minor fold trend and plunge
- Orientation of quartz tension gashes
- Reading Point

North Butler

Legend

Legend

Lithology

- Siltstone . Coarsley laminated to thin bedded
- Quartzite
- Shale. Black, rarely graphitic laminated biogenic pyrite
- Basalt. Vesicular amygdoidal magnetic
- Dolerite. Sill ??
- Fault breccia and clays

Alteration

- Gossan
- Silica Pyrite Alteration
- Pyrite only Alteration
- Quartz Veinlets and Silica Alteration
- Major lithological boundaries (inferred)
- 76 Bedding
- 76 Cleavage
- Vertical Bedding
- Heli Pad

614273

P12

<u>HILL 99</u>(*Formally Asbestos Point grid*)

Five lines were surveyed on this grid using gradient array IP. No dipole-dipole IP was run but a fixed loop TEM survey was completed.

Resistivities on this grid are generally higher than for Pelius Cove, although the grid is close to the shore of Macquarie Harbour. The range is about 20 to 540 ohm-m with a mean of about 150ohm-m. Of significance is the fact that the lowest resistivities are at the western end of the grid rather than the eastern end which is closest to the shoreline. A very strong bedrock conductor is indicated off the western end (Fig 13) of the grid.

The high resistivities mean that less EM coupling will be present and hence the raw-phase and 3pt-phase results are rather similar, unlike at Pelius Cove (Figs H1 & H2).

In order to test the veracity of the phase IP measurements, one line (5306350N) of time-domain IP was measured. The enclosed profile plot (Fig H4) shows a good correspondence between phase (black) and time (green) domain measurements. (Time domain records chargeability IP).

Very high phase values are recorded on line (530)6150N at (370)110E, coincident with a resistivity low. Although this location has abnormally high values, the anomalous trend does occur on survey lines to the north and south. The very low phase values immediately west of the phase peak on 5306150N are hard to explain, but there are 4 stations so erratic noise is unlikely.

The NNW-SSE trend is more obvious on the resistivity image (Fig H3). In the centre of the grid is a weak phase trend that is coincident with a weak resistivity high, suggesting a geological unit that may contain weakly disseminated sulphides.

An aeromagnetic (1st vertical derivative) image over the grid is shown on the attached plan, together with the 3pt phase contours (Fig H5). The line spacing for this 1984 survey was 200 metres, so spatial resolution is poor. Nonetheless a weak magnetic response is associated with the 3pt phase peak, and a much stronger magnetic response is evident off the western edge of the grid.

The significance of this western magnetic response can be seen from the plan over a larger area which shows the aeromag (1st vertical Derivative) contours in relation to the Hill 99 grid resistivity image (colours inverted). (Fig H6) Also on this plan, the lower image shows the conductivity (reciprocal of resistivity) derived from a Geotem (fixed wing airborne EM) survey flown in 1998.

Close correlation between the magnetic unit and the Geotem conductor indicates the presence of a conductive and magnetic horizon, which appears to extend along the western edge of the Hill99 grid to the coast. This conductor is also apparent from the gradient array survey. The nature of the magnetic and conductive units is not certain, but outcrop on the shore suggests an ultramafic horizon adjacent to a graphitic shale may be responsible for the geophysical responses. The other possibility is a pyrrhotite-rich horizon. Unfortunately the difficulty of extending the survey lines west at short notice (due to the thick bush) has meant that the ground geophysics has not covered the aeromagnetic feature.

A fixed-loop TEM survey was carried out (presumably) to explore for massive sulphides beyond the depth of investigation of the gradient IP survey. 5 lines were surveyed, 100 metres apart with lengths between 350 and 550 metres. Transmitter loop coordinates were 36900-370150E, 5305850 – 5306450N. The transmitter frequency used was 1Hz, so that channels 1 to 21 (at the noise level) covered decay times from 0 to 19 msecs. This range of decay times is appropriate to the moderately low resistivity measured from the gradient IP survey.

There are no bedrock conductors of economic significance on the grid itself, although there is an increasing EM response at the western ends of the northenrmost lines which is due to the above-mentioned conductor just off the grid. This conductor will not be obvious from the TEM survey since the transmitter loop is placed for minimum coupling to a steeply dipping body, so little response is likely. The Z (vertical) component profiles (attached) show some weak early channel responses that are attributable to variable weathering thickness and bedrock conductivity.

DRILL PROPOSALS

Three holes are proposed as follows:
DH99-1 (collar @ 370200E, 5306150N. 45° to east).

This tests combined weak resistivity and phase IP responses, somewhat along strike from the small massive sulphide outcrop on the beach about 250m to the north (note however the lack of an EM response indicates little likelihood of massive sulphides being present at this location).

DH99-2 (collar @ 370200E, 5306150N. 45° to west)

Tests the strong phase IP response at 370115E on this line. Dip of the source appears to be to the east and depth is shallow.

DH99-3 (collar @ 370260E, 5306250N. 45° to east)

Similar rationale to DH99_1 but closer to the outcropping massive sulphide.

EM response at 370250E (under the hole collar) is present but unlikely to be of economic significance.

614276

GEOCHEMISTRY

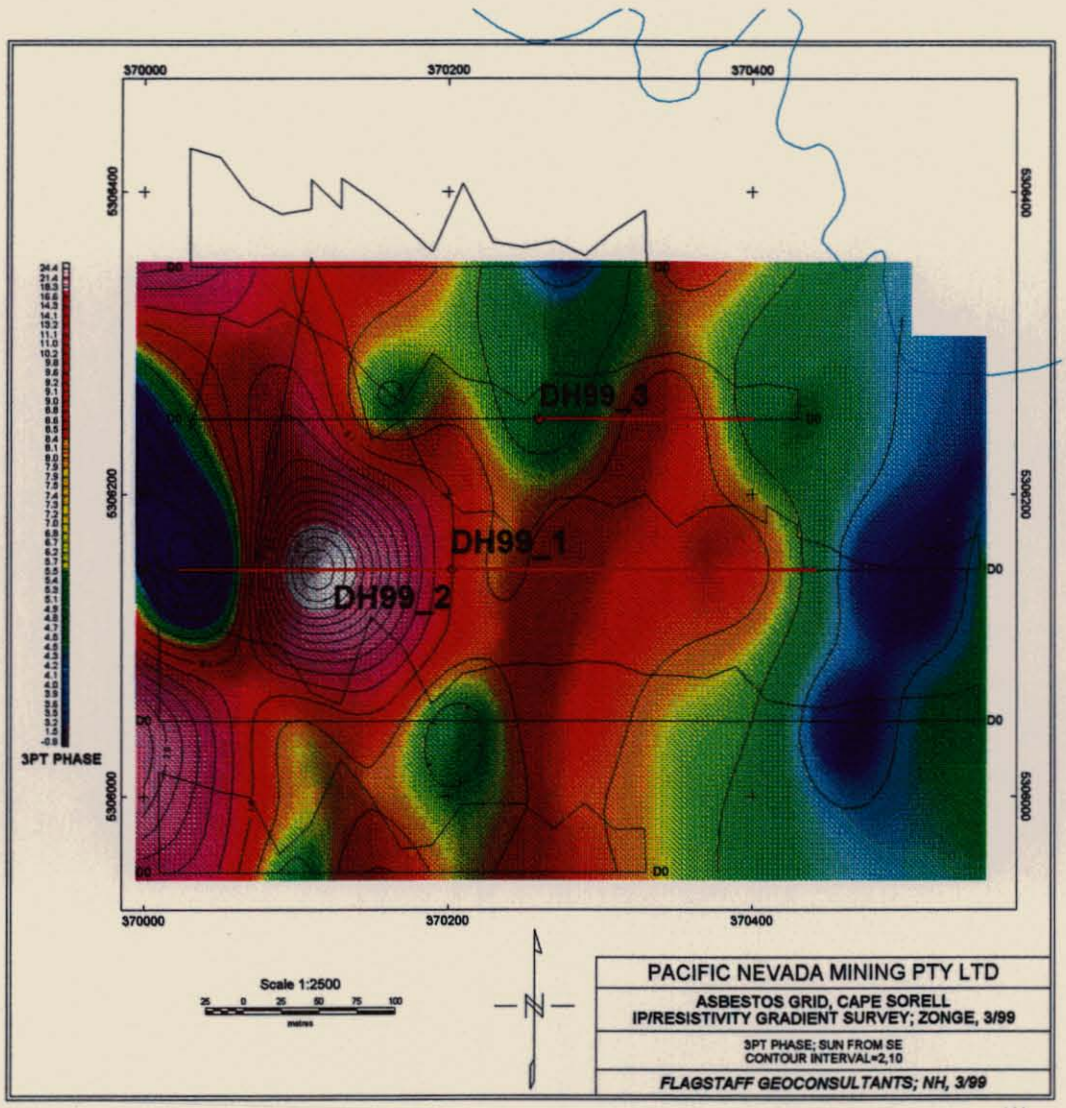
Images of the soil geochemistry for Gold, Arsenic, Zinc and Lead are attached (Figs H11 to H14), with the 3pt Phase (IP) contours superimposed.

Gold shows no strong correlation with the IP results, although a weak high phase and high resistivity response is semi-coincident with the highest gold sample of 21ppb at 370320E, 5306220N. This position is to be tested by hole DH99-3 on line 5306250N.

Relatively high Arsenic values of 26 and 37ppm are directly coincident with the very strong phase response at 370110E, 5306150N which will be tested by hole DH99-2, although nickel is the only other element that is weakly anomalous at this location (as it is in the northwest of the grid, perhaps indicating the presence of ultramafics?).

Lead and zinc results do not obviously correlate with each other, or those other elements assayed.

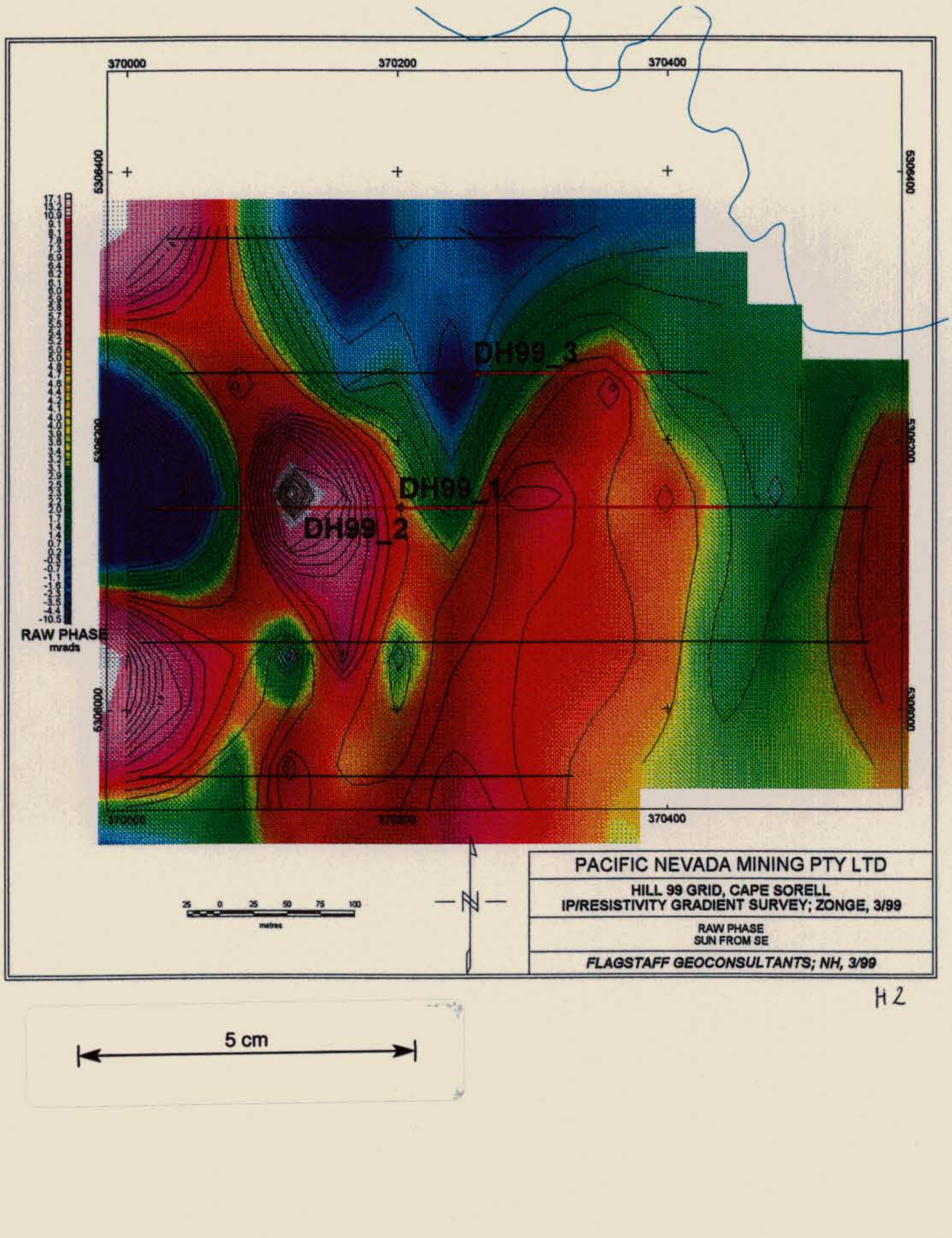
614277



H1

5 cm

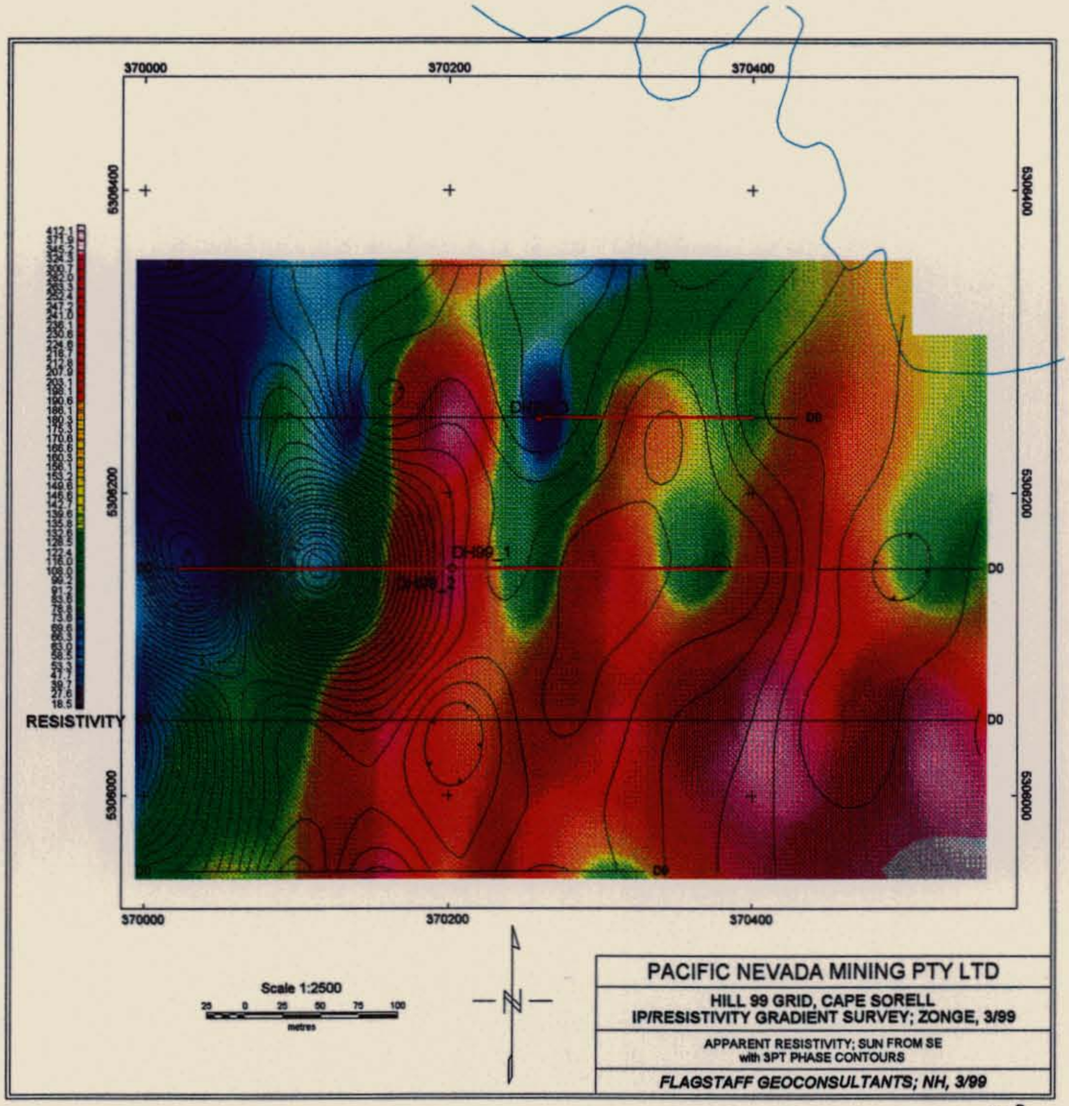
614278



H2

5 cm

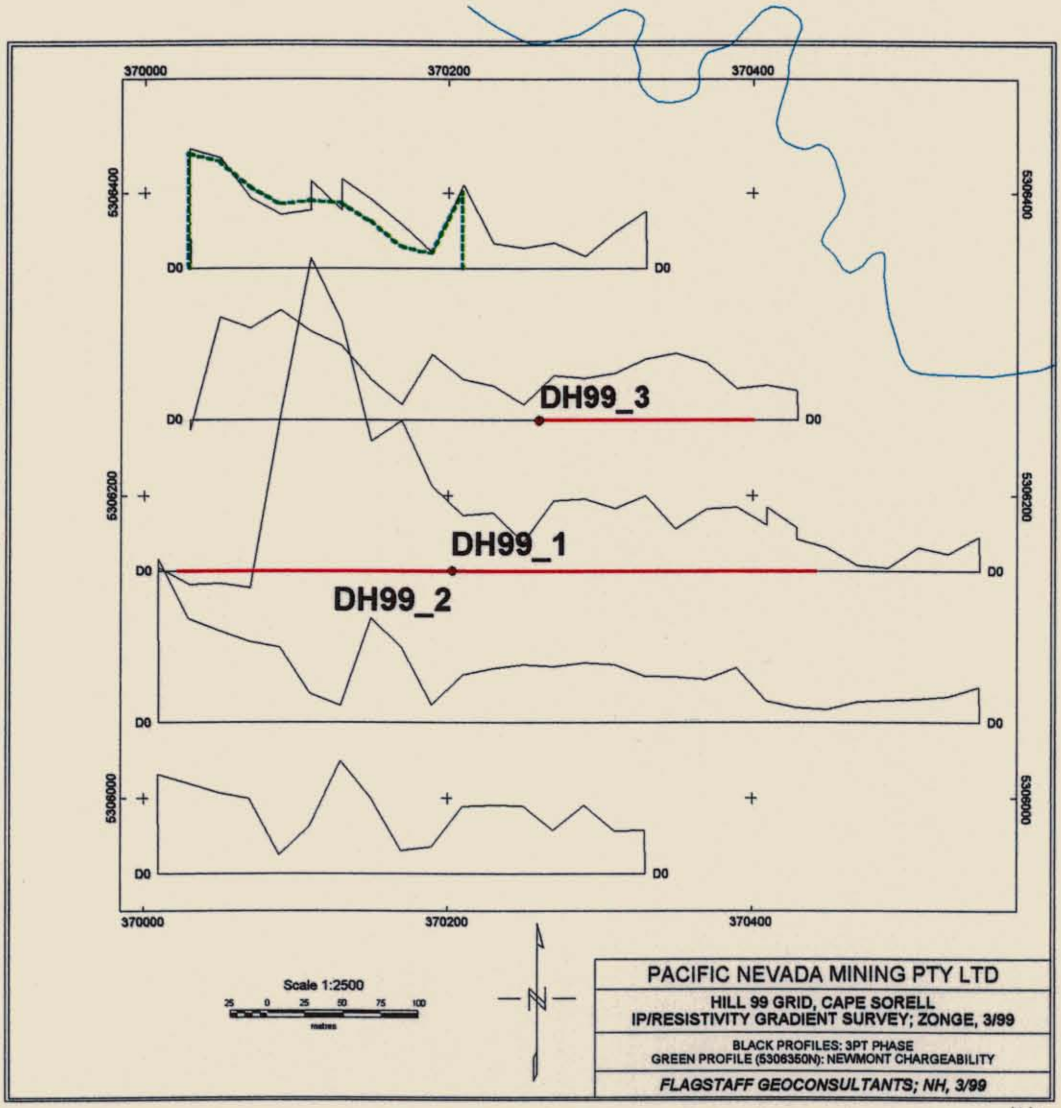
614279



H3

5 cm

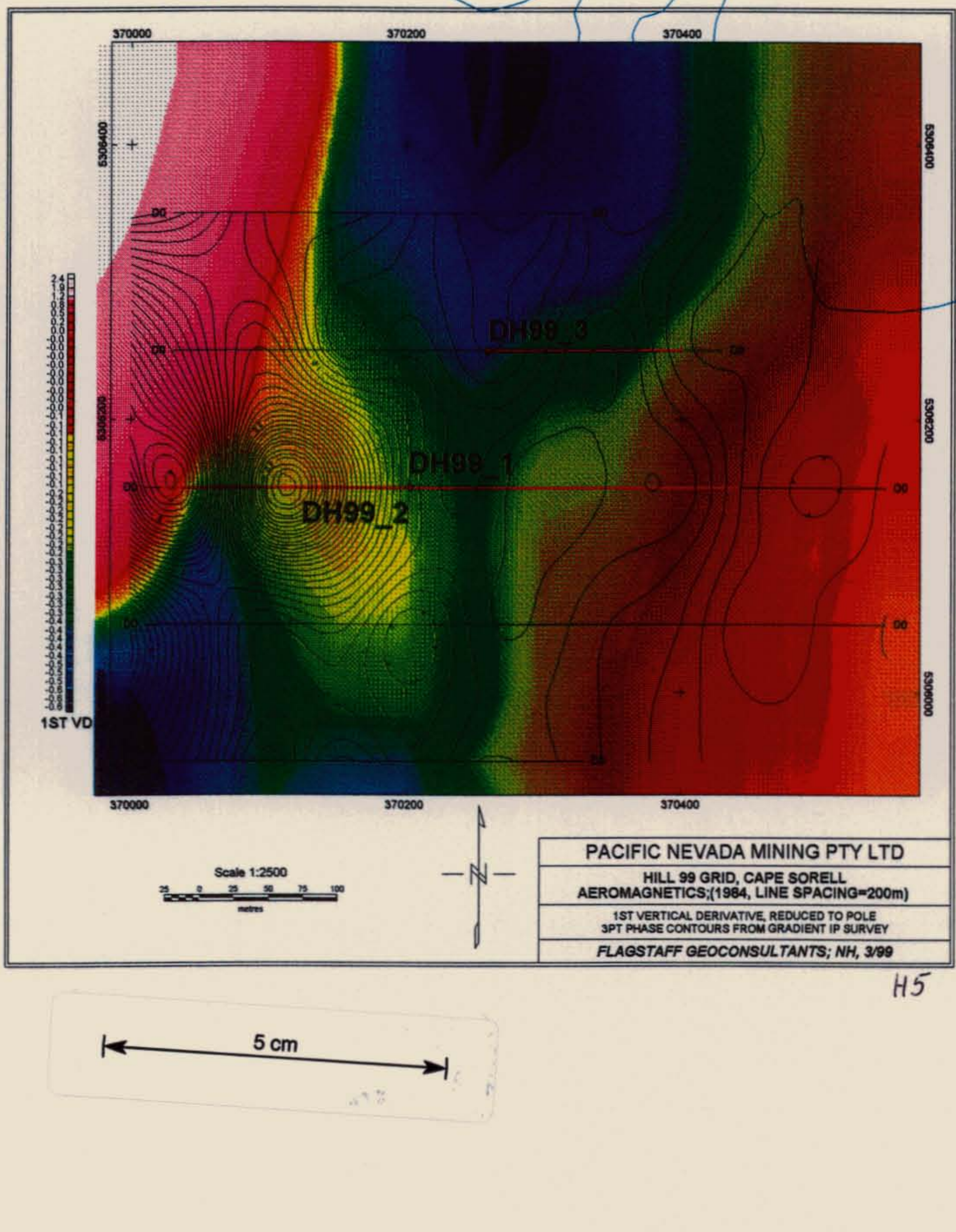
614280



H4

5 cm

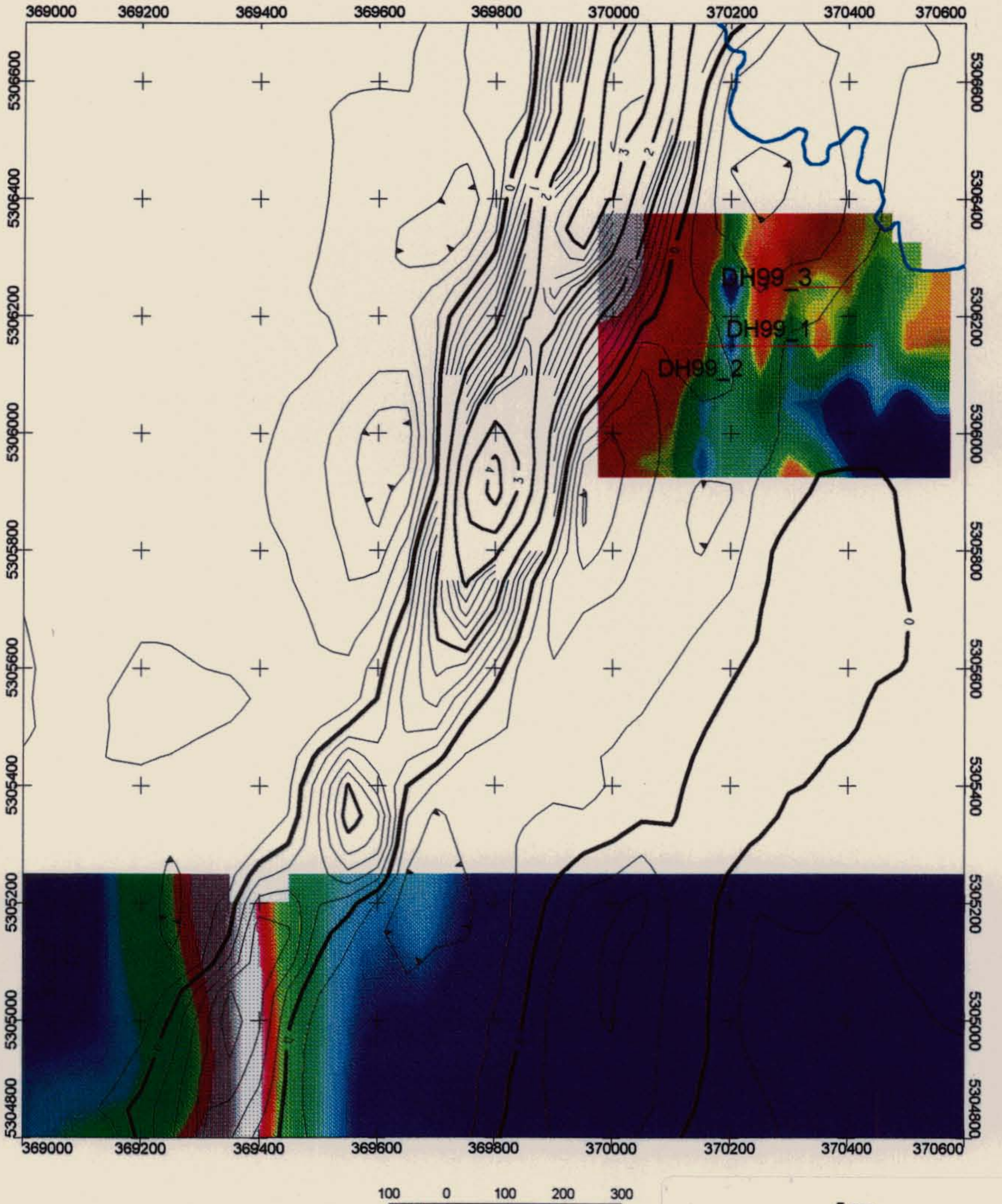
614281



H5

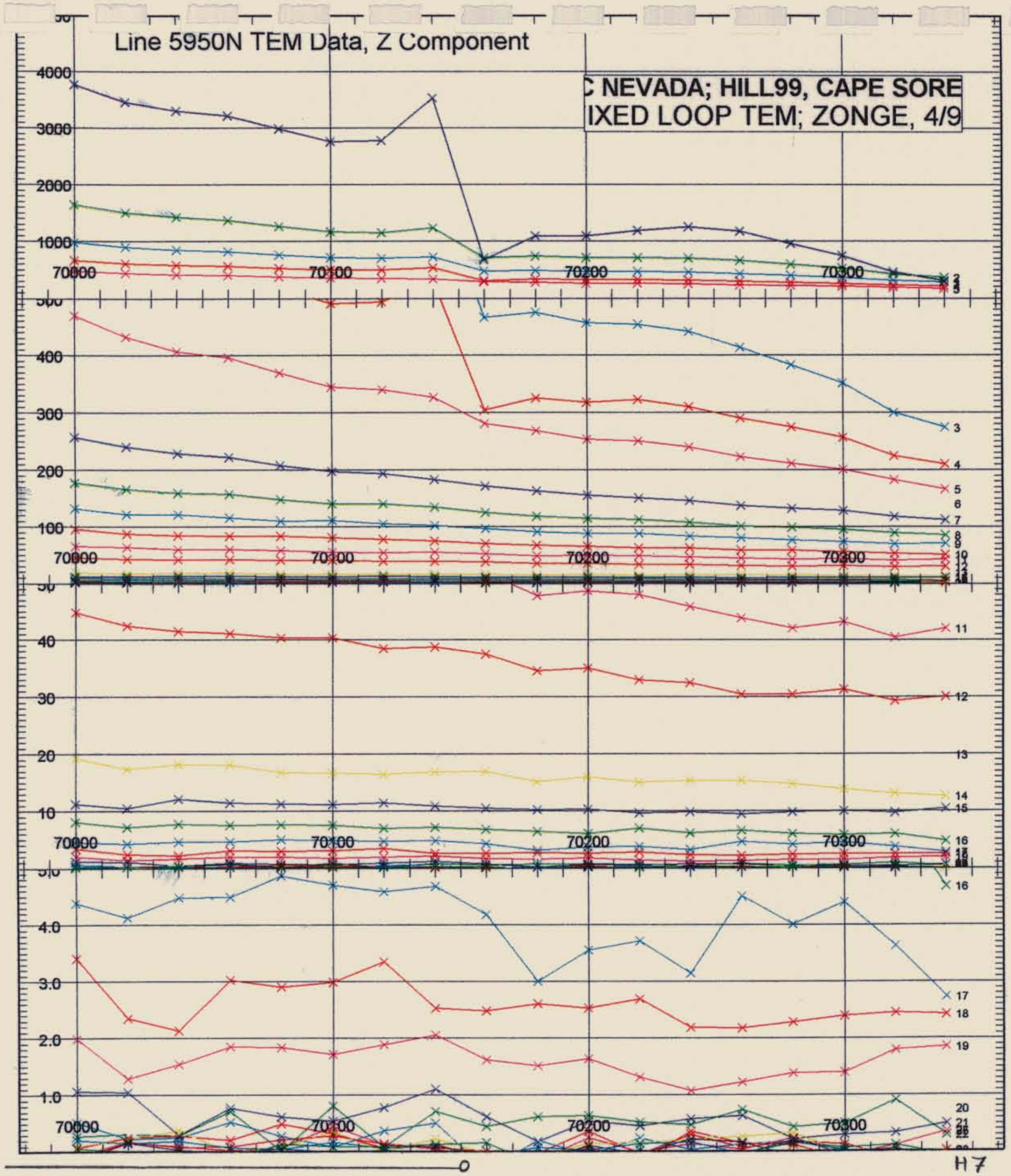
5 cm

614282

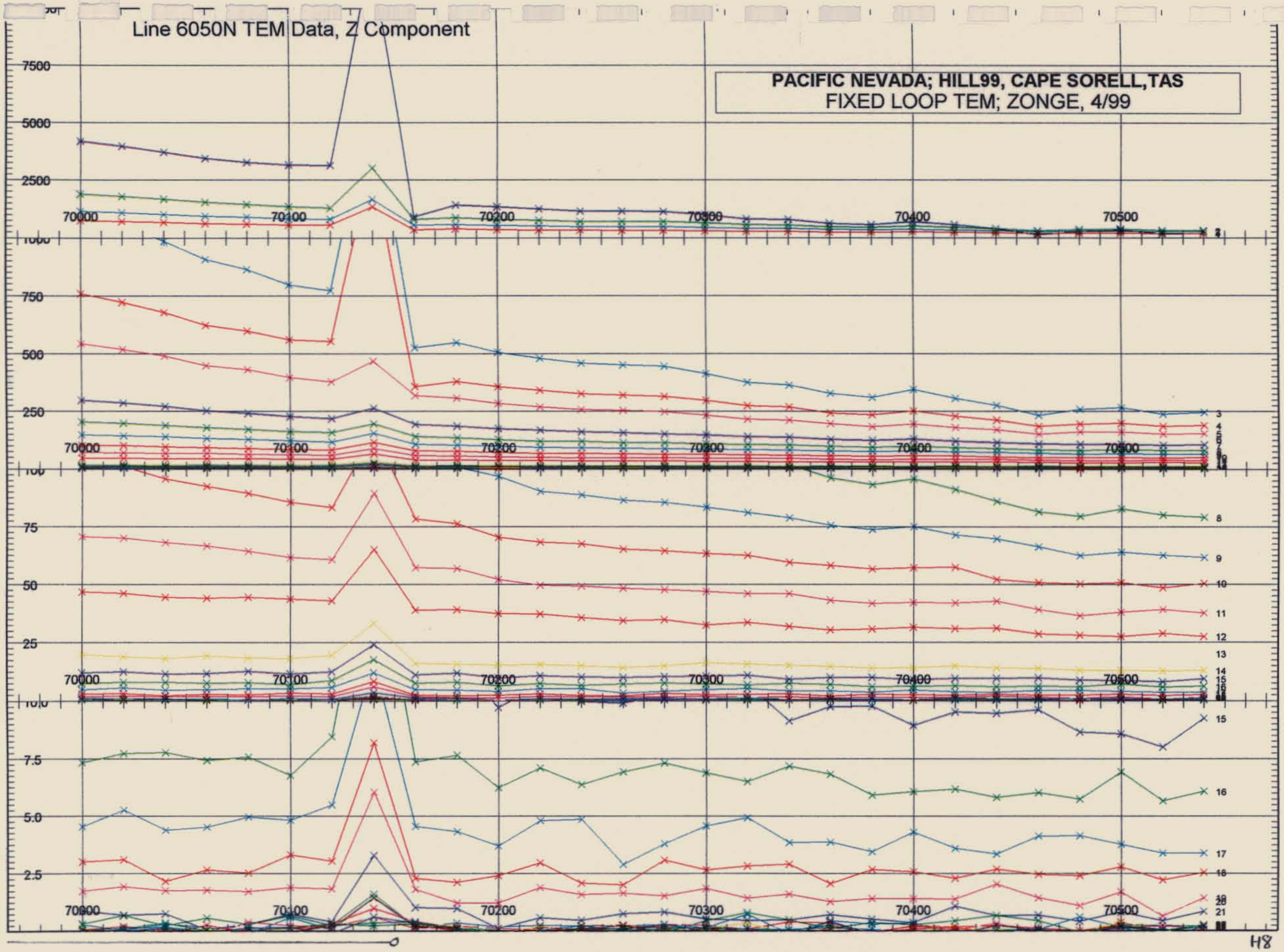


PACIFIC NEVADA MINING PTY LTD; HILL 99 AREA, CAPE SORELL
AEROMAG CONTOURS; UPPER IMAGE=GRADIENT RESISTIVITY
LOWER IMAGE=GEOTEM, X COMP CONDUCTIVITY

H6

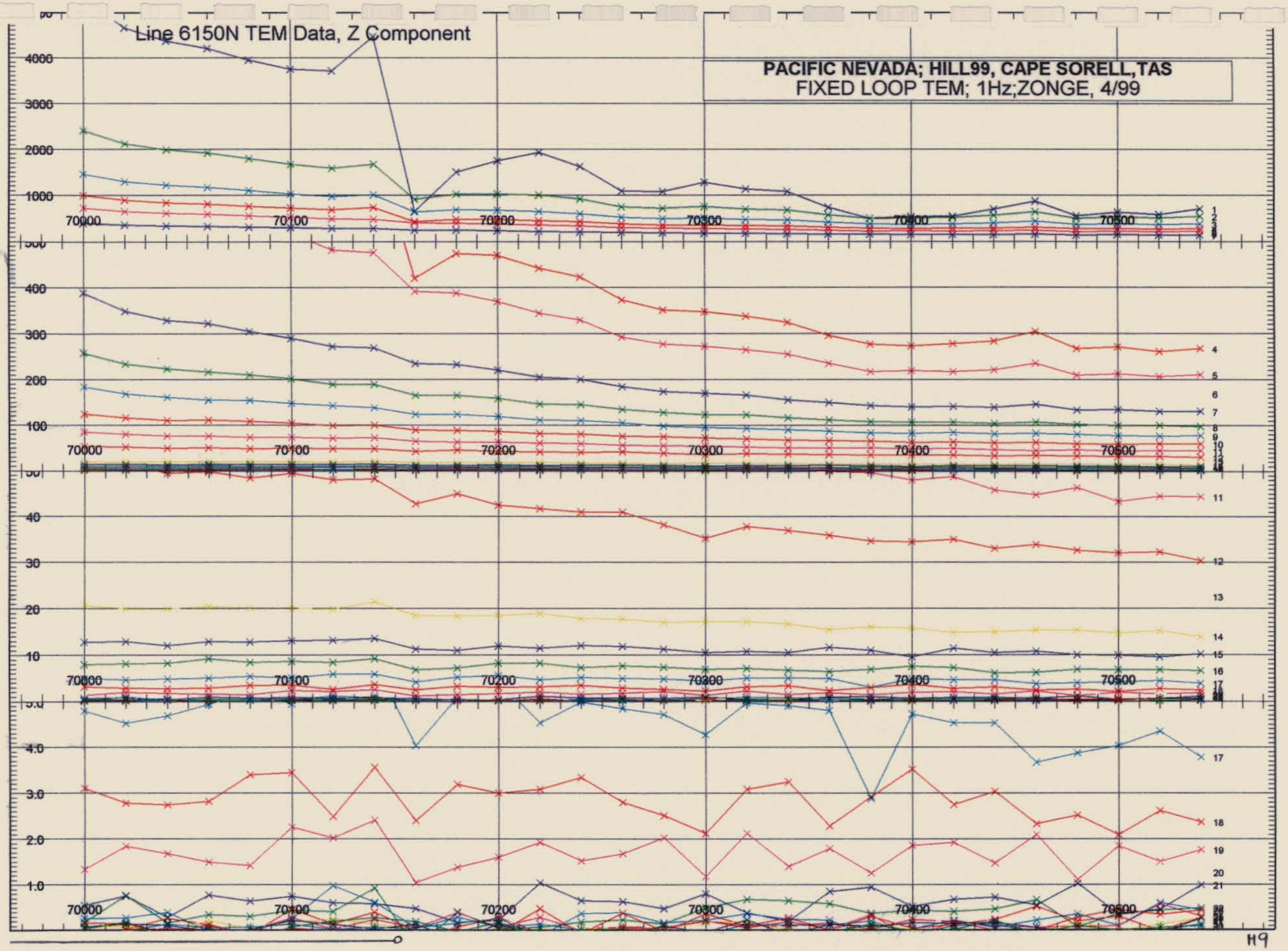

Line 5950N TEM Data, Z Component
C NEVADA; HILL99, CAPE SORE
IXED LOOP TEM; ZONGE, 4/9
4000
3000
2000
1000
400
300
200
100
40
30
20
10
4.0
3.0
2.0
1.0
70000
70100
70200
70300
H7

614283



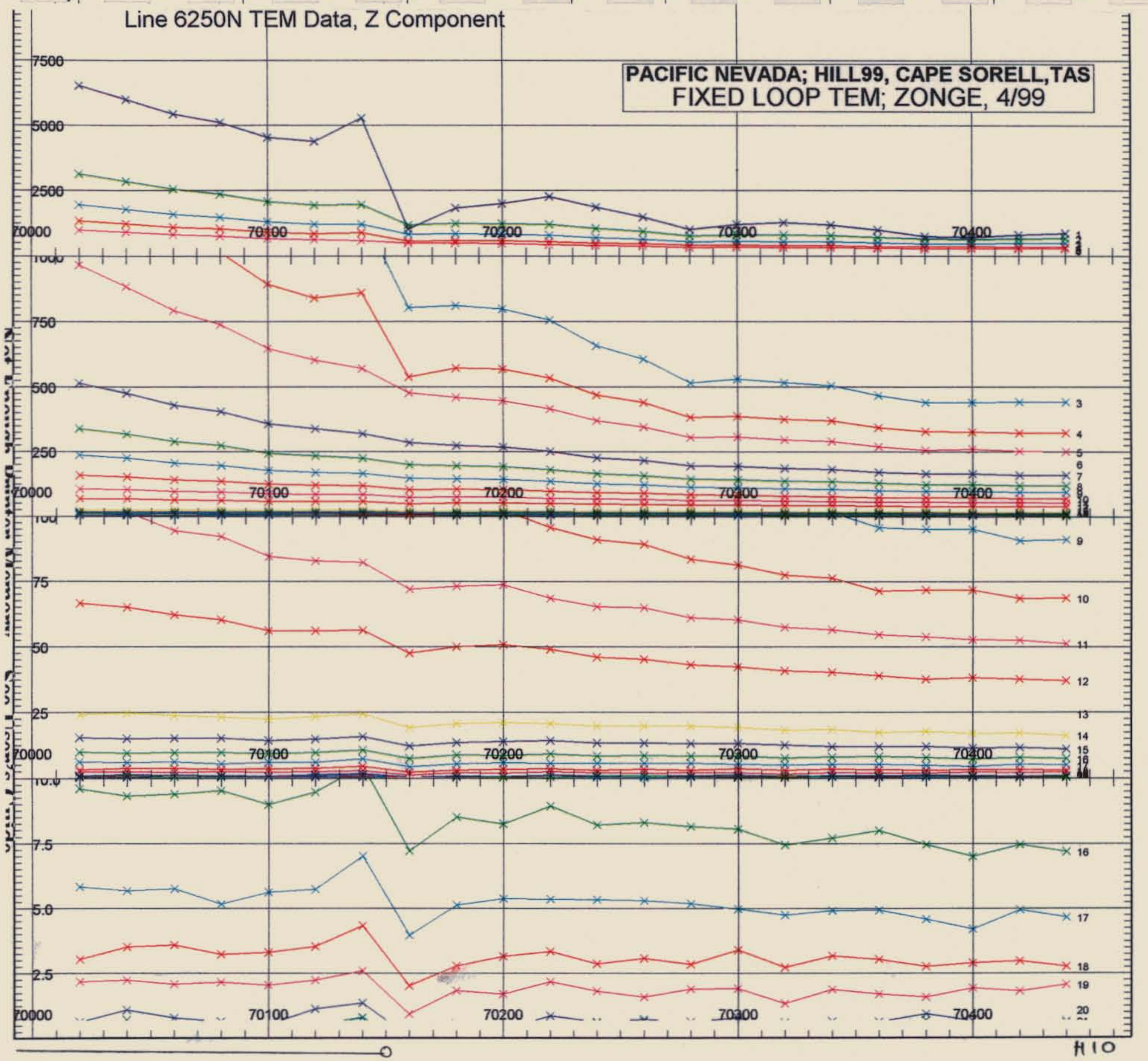
Line 6050N TEM Data, Z Component
PACIFIC NEVADA; HILL99, CAPE SORELL,TAS
FIXED LOOP TEM; ZONGE, 4/99
7500
5000
2500
750
500
250
75
50
25
7.5
5.0
2.5
70000
70100
70200
70300
70400
70500

614284


Line 6150N TEM Data, Z Component
PACIFIC NEVADA; HILL99, CAPE SORELL,TAS
FIXED LOOP TEM; 1Hz;ZONGE, 4/99
4000
3000
2000
1000
400
300
200
100
40
30
20
10
4.0
3.0
2.0
1.0
70000
70100
70200
70300
70400
70500
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21

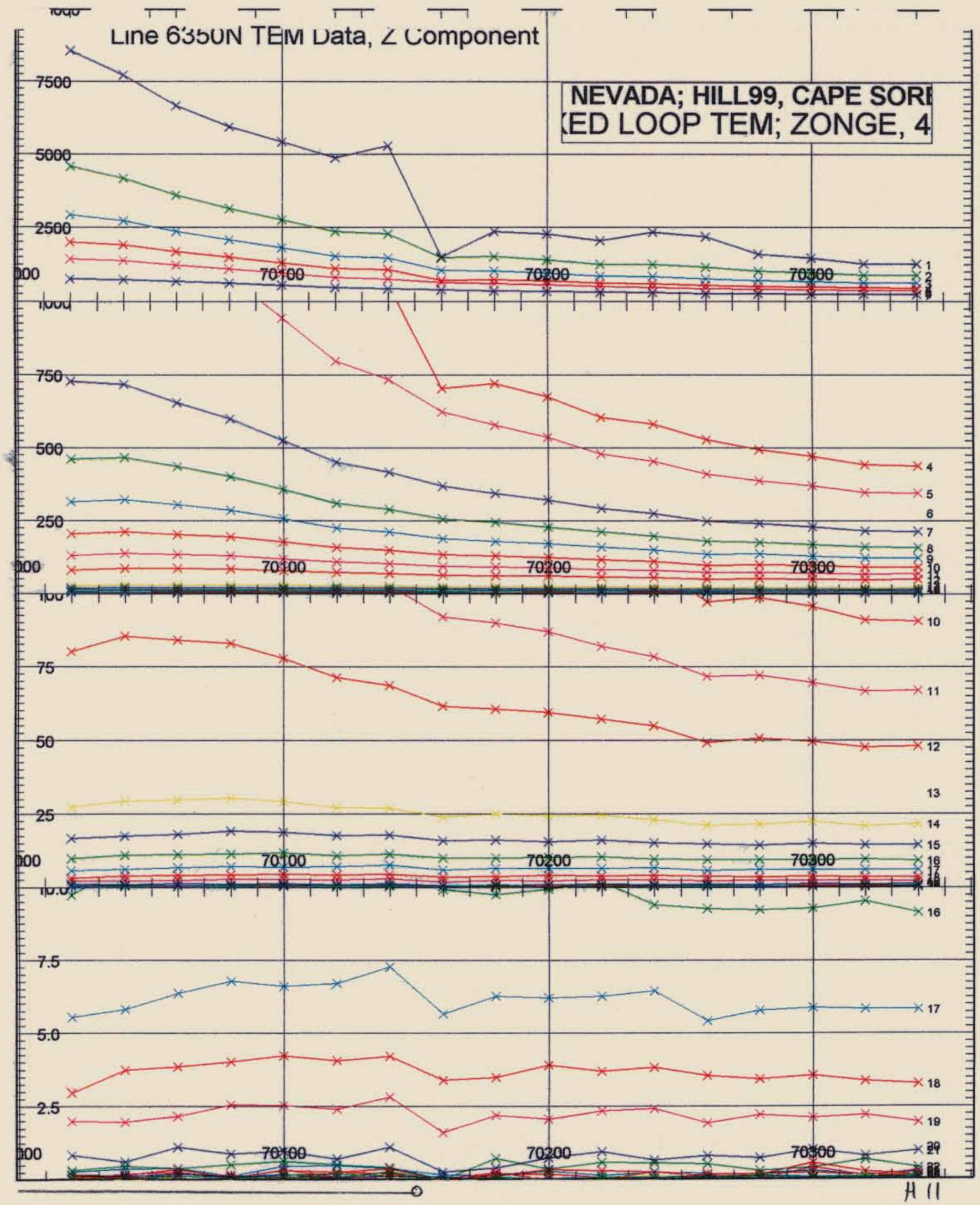
614285

H9



Line 6250N TEM Data, Z Component
PACIFIC NEVADA; HILL99, CAPE SORELL,TAS
FIXED LOOP TEM; ZONGE, 4/99
7500
5000
2500
750
500
250
75
50
25
7.5
5.0
2.5
70000
70100
70200
70300
70400

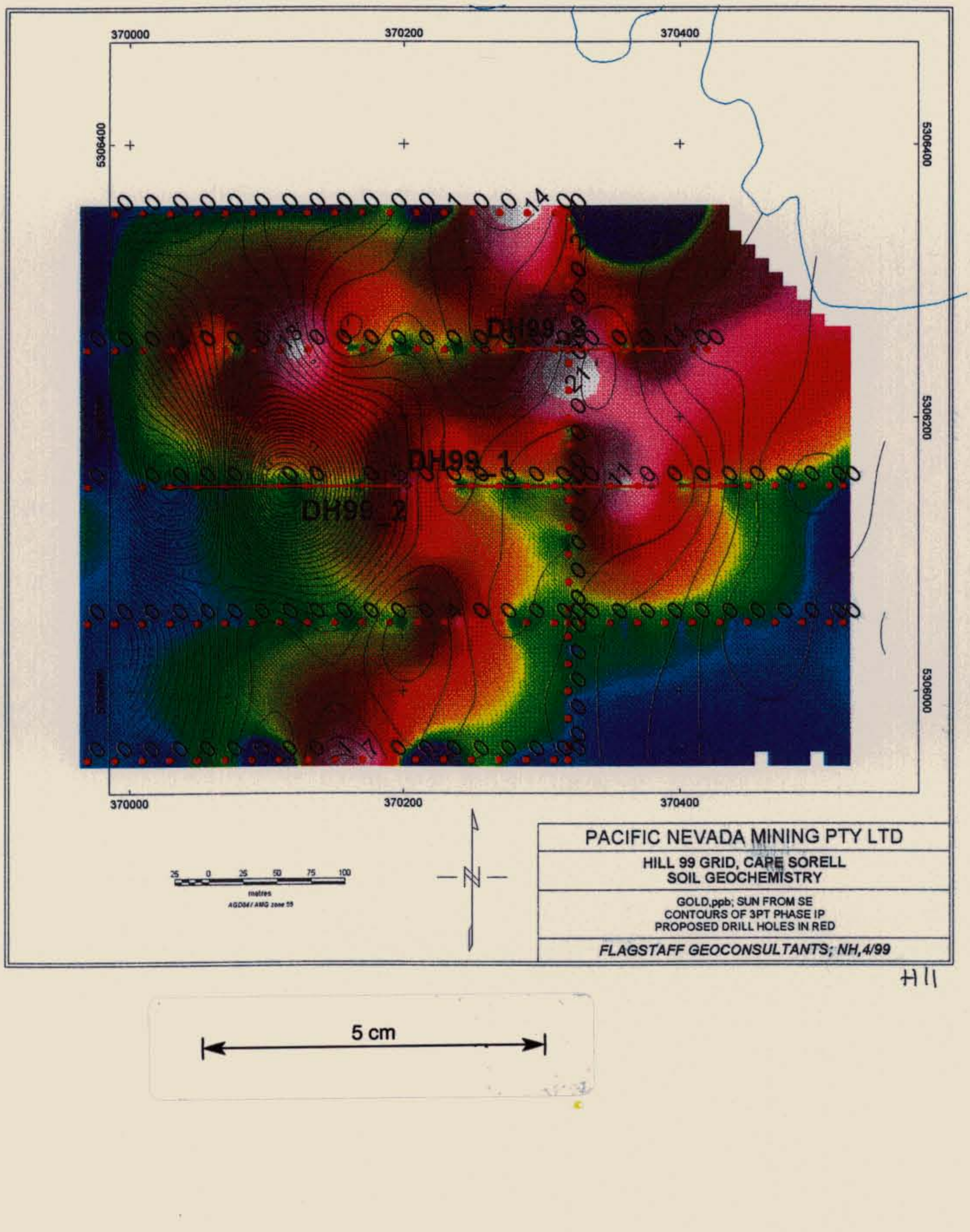
614286



Line 6350N TEM Data, Z Component
NEVADA; HILL99, CAPE SORI
ED LOOP TEM; ZONGE, 4
7500
5000
2500
750
500
250
75
50
25
7.5
5.0
2.5
70100
70200
70300

614287

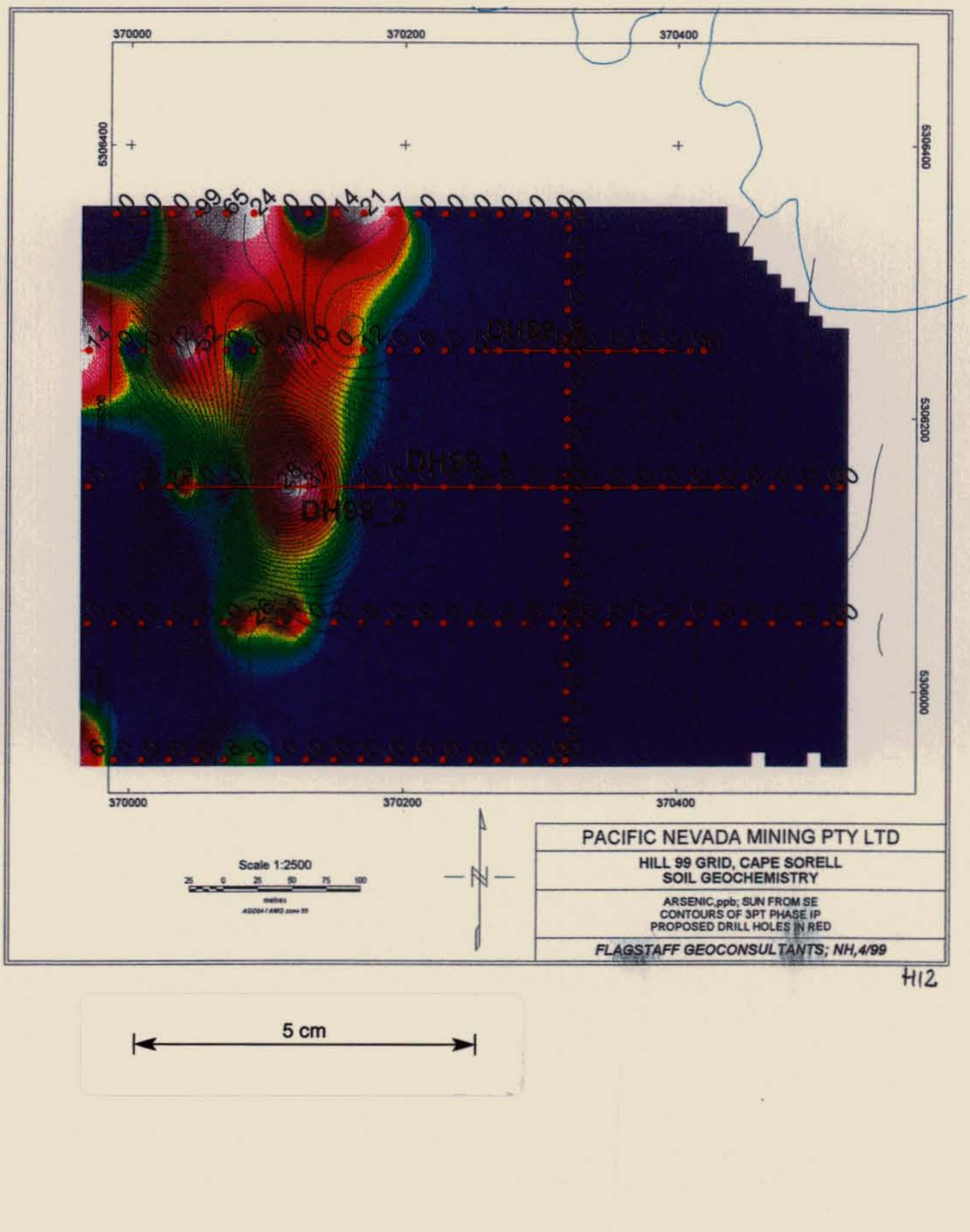
614288



H11

5 cm

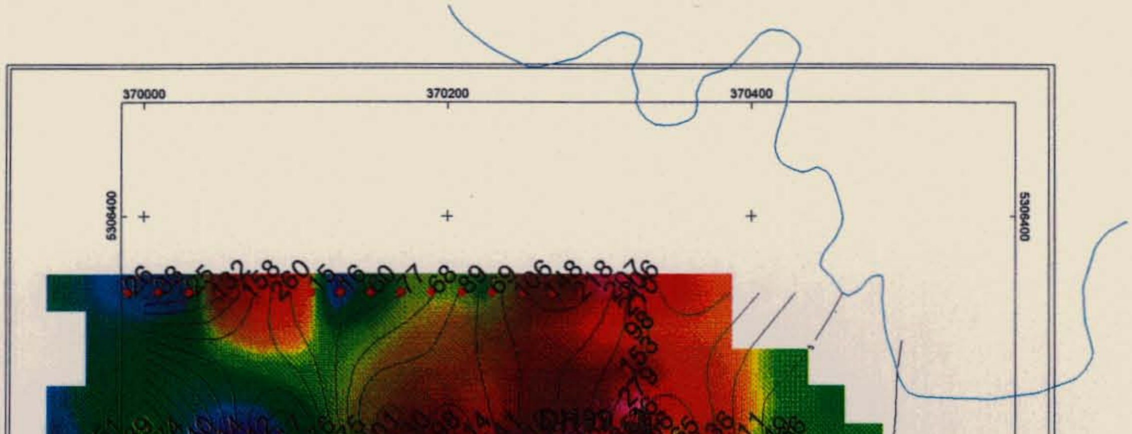
614289



H12

5 cm

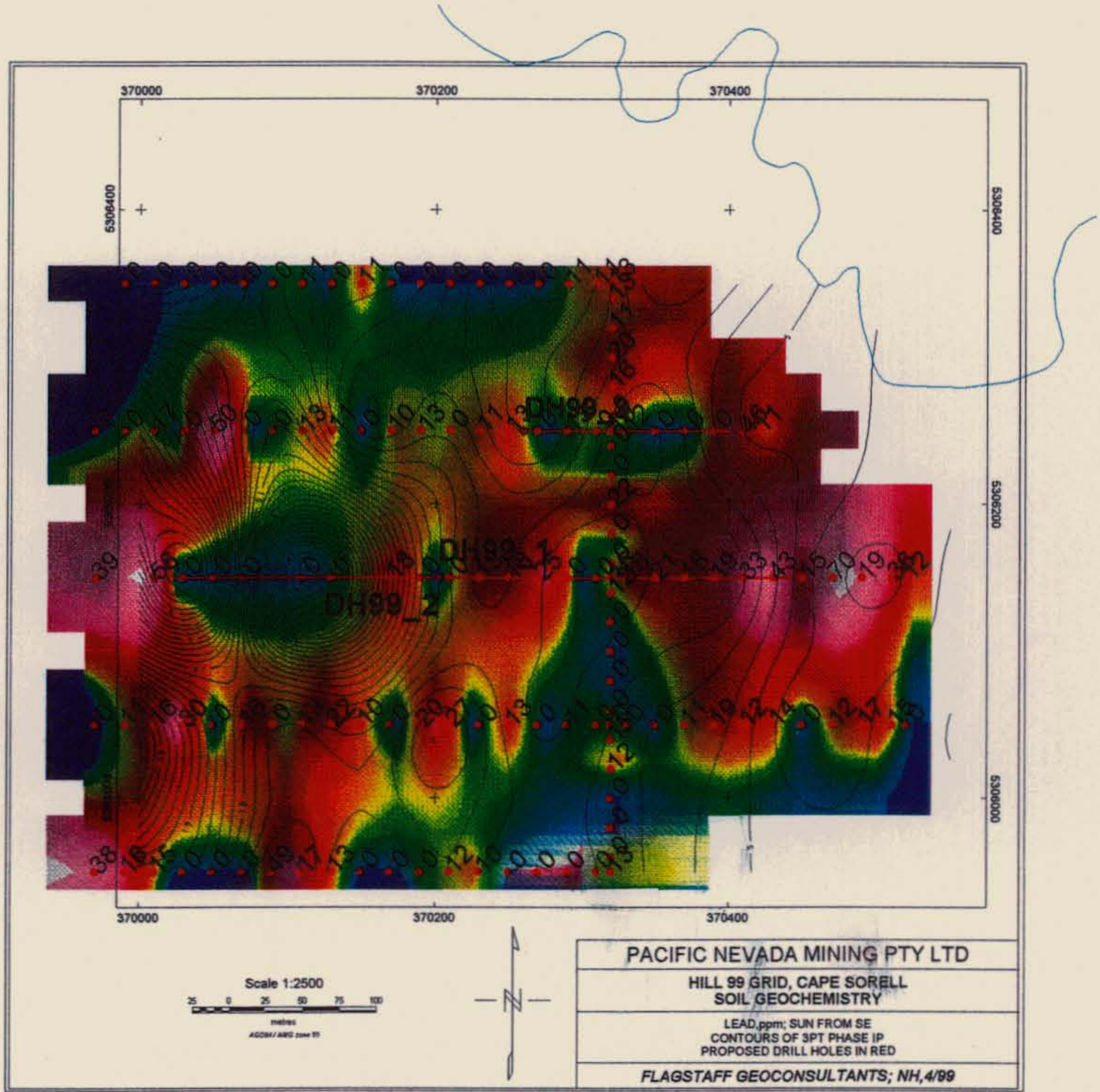
614290



H13

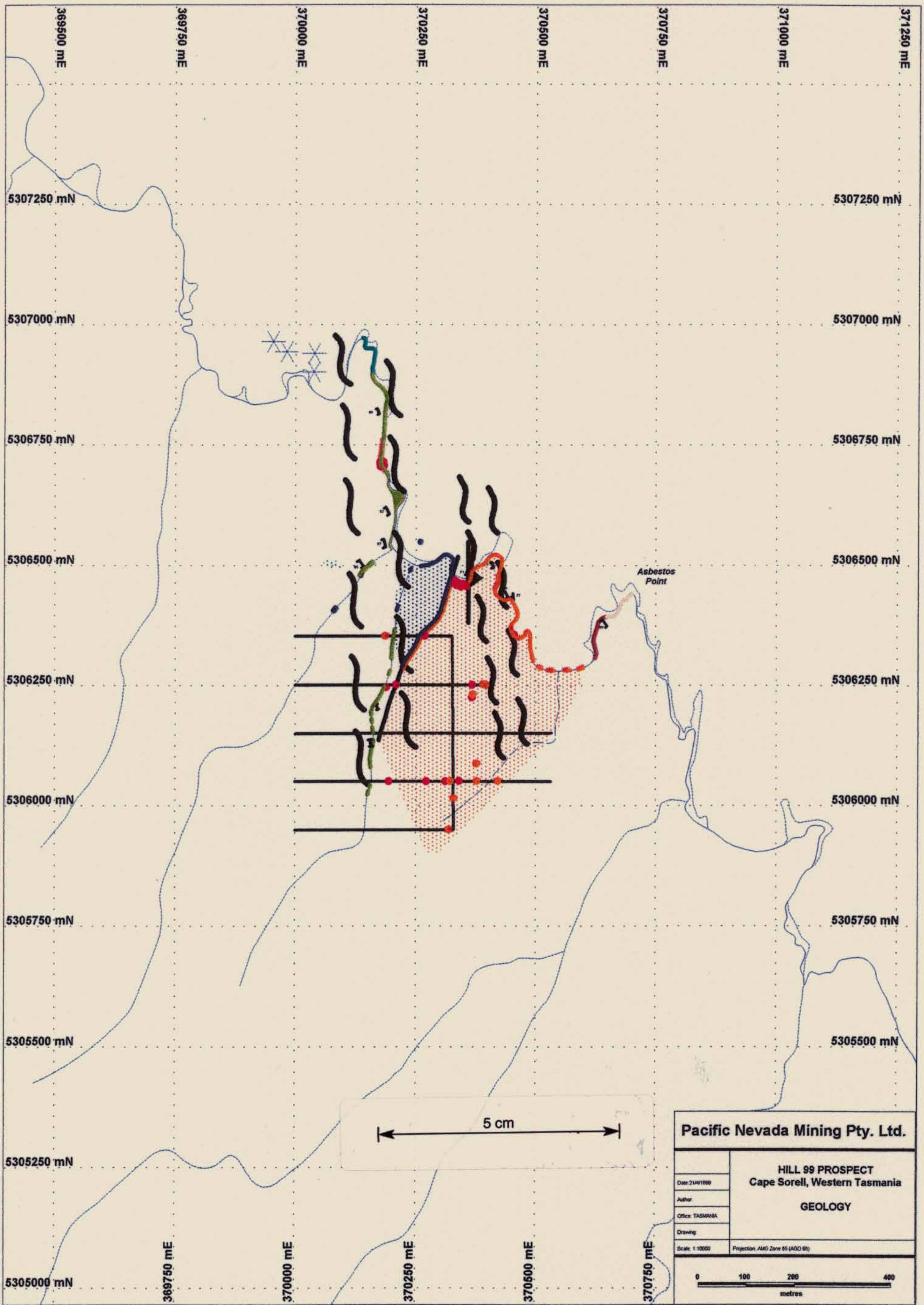
5 cm

614291



H14

5 cm



369500 mE
369750 mE
370000 mE
370250 mE
370500 mE
370750 mE
371000 mE
371250 mE
5307250 mN
5307000 mN
5306750 mN
5306500 mN
5306250 mN
5306000 mN
5305750 mN
5305500 mN
5305250 mN
5305000 mN
Asbestos Point
5 cm
Pacific Nevada Mining Pty. Ltd.
HILL 99 PROSPECT
Cape Sorell, Western Tasmania
GEOLOGY
Office: TASMANIA
Scale: 1:10000
0
100
200
400
metres

H15

614292