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GOLDFIELDS EXPLORATION

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1999-2000
Annual Report

Tasmanian Gold Project

Red Hills

EL 29/94

Volume 1 of 2
Text and Appendices 1 to 4



EL29/94

See folio 37

HELD BY: Plutonic Resources / Homestake Exploration

MANAGER & OPERATOR: Goldfields Exploration Pty Ltd

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20, September, 2000

PROSPECTS: Red Hills

MAP SHEETS: 1:250,000: 1:100,000: Sophia

GEOGRAPHIC COORDS Min East: 381000 Max East: 384000
Min North: 5360000 Max North: 5368000

COMMODITY(s): Au, Basemetals

KEY WORDS: Tyndall Group, Central Volcanic Sequence,

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Red Hills - EL 29/1994
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SUMMARY

The Red Hills E129/94 is a joint venture partnership between Goldfields Exploration and Homestake Exploration. The EL, operated by Goldfields Exploration is due for 50% partial relinquishment in October 2000. Homestake became owners of the EL after a take over of Plutonic Resources. Goldfields became operators of the EL on 4th February 2000.

Work completed since February 2000 includes a helimagnetic and radiometric survey, 1:5000 scale mapping, rockchip sampling, 15kms of gridding, C-horizon soil sampling and a review of previous exploration.

Three principal mineralisation styles have been identified at Red Hills:

1. Stratabound gold/polymetallic VHMS
2. Disseminated and vein Cu-Au-Mt.
3. Silica-carbonate alteration and Qtz-Carb-Au-basemetal veining.

The helimagnetic and radiometric surveys demonstrate that the Cu-Au-Mt mineralisation and associated chlorite-silica-k feldspar alteration extend for 5km along the eastern side of the EL, continuing below cover sequences to the north and south.

C-horizon soil sampling by Plutonic Resources was successful in outlining the host sequence for the VHMS-Au mineralisation as well as a prominent (>1g/t Au) soil Au anomaly associated with silica-carbonate alteration and Qtz-Carb-Au veining.

Future recommendations include:

- 1) Drill test soil anomaly over Far West Adit.
- 2) Detailed review of RH5 resource to determine if there is any potential to upgrade the resource.
- 3) Review geophysical data in the Northern Adits region and along the Au-VHMS host horizon to the north.
- 4) Determine the genetic relationship (if any) between the three mineralisation styles.

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1 INTRODUCTION

EL29/94 – Red Hills is a Joint Venture between Goldfields Exploration Pty and Plutonic Operations Limited. The EL was granted to Plutonic on 22 October 1994. As at 31/12/1999 Plutonic had spent \$263765 on exploration. The Joint Venture Agreement was signed on 4 February 2000. It is a condition of the agreement that Goldfields must spend \$600,000 by at least the fifth anniversary of the commencement date to earn 60% interest. The expenditure commitment required by Mineral Resources Tasmania for the period to 21 October 2000 was \$100,000.

The Red Hills EL was to have undergone a compulsory 50% relinquishment on the fifth anniversary (21 October 1999), however this date was extended to 21 October 2000 by Mineral Resources Tasmania.

The Red Hills EL has a current area of 16 square kilometres. The lease will expire on 21 October 2004.

1.1 Location and Access

EL29/94 – Red Hills is located adjacent to the eastern side of the Henty Mine Lease (7M/91). The Henty Mine Lease is accessed via the Howards Road and the Anthony Road. The major access to Red Hills is via a 4WD track that commences within the Henty Mine Lease (Fig 1). Additional foot access to the eastern parts of the EL can be made from the Anthony Road.

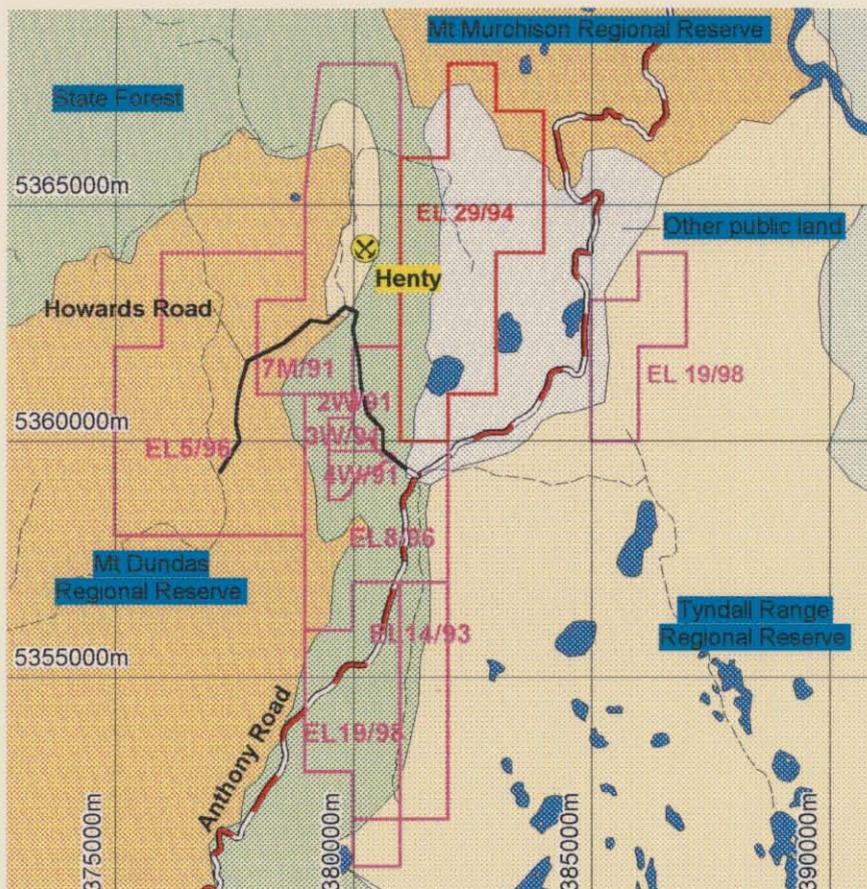


Figure 1. Red Hills EL 29/94 – Access and Land Tenure

1.2 Topography and Vegetation

The Red Hills EL is situated at the northern end of the West Coast Range. The elevation ranges from about 500m in the south near Lake Selina to 1040m at Moxon Peak. A digital terrain model of the Red Hills area is presented in Figure 2. The board saddle between the Gooseneck and Moxon Peak is at about 800m elevation. The area receives a high rainfall.

The principal vegetation type consists of extensive areas of button grass with some tea tree and banksia. This is the dominant vegetation in regions of poorly drained soils and is commonly developed over Owen Conglomerate, glacial deposits and glaciated Cambrian rock types with poor soil development. In more sheltered and fire resistant areas, the button grass is replaced by a low scrub consisting of eucalyptus, banksia, tea tree and bauera. Remnant rain forest species including King Billy Pine, Fagus and Myrtle are abundant in the sheltered gully immediately west of the Red Hills ridge.

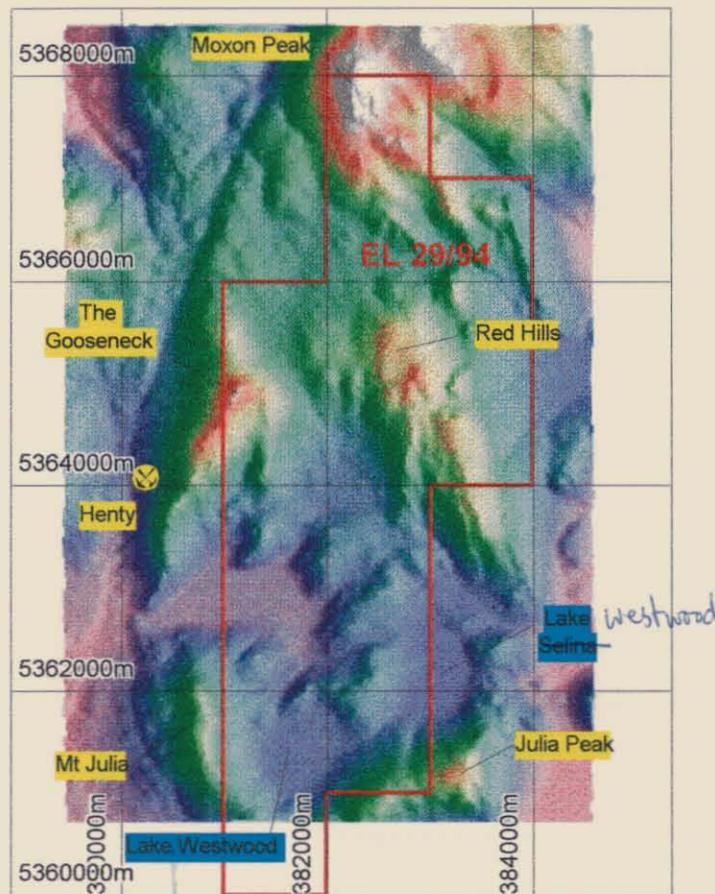


Figure 2. Red Hills – Digital Terrain Model

1.3 Tenure

The EL comprises:

- Crown Land
- Crown Land – Deferred Forest
- Mt Murchison Regional Reserve

It is partially within the South West Tasmania, Australian Heritage Commission Act, Registered Entry. 0.5 sq km of land vested in the HEC is excluded from the EL.

The land tenure in the Red Hills area is shown on Figure 1.

1.4 Exploration Model

The Mt Read Volcanics are host to world class polymetallic VHMS deposits such as Rosebery and Hellyer, volcanogenic Cu-Au deposits such as Mt Lyell and high grade volcanogenic gold deposits such as Henty. The Red Hills EL is prospective for all three styles of mineralisation. The principal target of the Tasmanian Gold Project is a Henty style high grade Au deposit.

High grade volcanogenic Au deposit

Recent drilling and mining at Henty has shown that the deposit consists of a series of low tonnage (100 000-500 000t) high grade (10-25 g/t Au) lenses hosted in an extensive tabular alteration package with dimensions of approximately 3.5 km length by 300m high by 40m thickness.

The deposit is hosted in volcanics of the Central Volcanic Complex at or near the contact of the overlying Tyndall Group .

Volcanogenic Cu-Au Deposits

The Mt Lyell field is the type model of the volcanogenic Cu-Au mineralisation found in the Mt Read Volcanics (117.1 million tonnes at 1.2 % Cu and 0.4 g/t Au). The Mt Lyell field consists of lenses of disseminated pyrite-chalcopyrite mineralisation hosted in intensely altered volcanics. The deposits are hosted in the Central Volcanic Complex, extending up to the Tyndall Group contact. It has been suggested that there is a genetic link between this deposit style and Henty style high grade Au mineralisation (Huston and Camprad, 1999, Callaghan, 1998).

Polymetallic VHMS deposits

The Mt Read Volcanics are host to world class gold rich volcanic hosted massive sulphide deposits. The deposits are typically high grades (~20% Pb + Zn, 2.5 to 3.5 g/t Au) and range in size from about 3.3 million tonnes (Que River) to greater than 30 million tonnes (Rosebery).

Polymetallic VHMS deposits commonly form in clusters on well-defined stratigraphic horizons. The principle favourable horizon in the Henty area is at the Tyndall Group – Central Volcanic Complex contact. It is possibly repeated by folding at Red Hills, where an uneconomic resource of 1 million tonnes @ 5.9% Pb + Zn and 2 g/t Au has been delineated by previous exploration (Purvis et al, 1983).

2 PREVIOUS EXPLORATION

2.1 Exploration prior to 1994

Mining at Red Hills dates back to the late 1890's with the development of several short adits to work small copper shows. All mineral rights were acquired by the Mount Lyell Mining and Railway Company in 1905, however by 1908 all mining activity had ceased.

Modern exploration commenced in the late 1950's by a Rio Tinto / EZ JV who conducted several geophysical surveys and completed four diamond drill holes.

From 1969 to 1985 the Red Hills area was part of EL 9/66 held by the Mount Lyell Mining and Railway Company. Numerous geophysical surveys and 21 diamond drill holes were completed in this period. A small massive sulphide lens was intersected in hole RH5.

From 1985 to 1993 a CRAE / Aberfoyle Joint Venture held Red Hills as EL 5/85. This exploration focused on the use of EM (UTEM and DHEM) to define targets. Two drill holes were completed.

The exploration at Red Hills to 1994 is discussed in more detail in Appendix 1.

2.2 Exploration completed 1994 to 1998

EL 29/94 - Red Hills was granted to Plutonic Operations Limited on 22 October 1994. In 1994-95 the exploration completed consisted of a review of previous exploration and some reconnaissance mapping. An orientation soil survey showed that C horizon sampling was preferable to sampling of the B horizon.

18 line kilometres of grid was covered by additional soil sampling program between 1995 and 1997. A ground magnetic and a moving loop EM surveys were also conducted over the grid. Additional work completed in this period includes a review of the geology of the southern part of the tenement by Wally Hermann, relogging of drill core and geological mapping.

No exploration was completed at Red Hills by Plutonic since 1997.

The exploration completed at Red Hills by Plutonic since 1994 is summarised in Table 1.

Table 1. Work Completed by Plutonic Operations Ltd within EL 29/94 - 1996 - 1999

| | 1994-95 | 1995-97 | 1997-98 | 1998-99 |
|---------------------|--|---|----------------|-------------------|
| General | Review of previous exploration Reconnaissance mapping 9 line km grid established | Geological Mapping Review by W Herrmann Additional 9 line km grid cut | Data Review | No work completed |
| Drilling | | Drill core relogging | | |
| Geochemistry | | | | |
| Soils | Orientation Survey (B + C horizons) | 688 samples (Cu, Pb, Zn, Fe, Mn, Ag, Au) | | |
| Rocks | | 24 samples (Cu, Pb, Zn, Fe, Mn, Ag, Au) | | |
| Core | | 18 samples (Cu, Pb, Zn, Fe, Mn, Ag, Au) | | |
| Isotopes | | 12 samples (WR XRF, Nb, Y, Zr) | | |
| Geophysics | | Moving Loop EM Survey Ground Magnetics Survey | | |
| Report | Reid and Close, 1995 | Reid and Close, 1997 | Dare, 1998 | |

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3 WORK COMPLETED

The work completed at Red Hills by Goldfields Exploration Pty Ltd between March 2000 and October 2000 is summarised below:-

Access

Gridding – 15 line km

Geology

1:5000 geological mapping

Drilling

Relogging of old drill core
Three holes were re-trayed

Geochemistry

| | |
|----------|---|
| Soils | - Data compilation of Plutonic soil data |
| | - 68 soil samples submitted for analysis (Cu, Pb, Zn, Au, Ag, As) |
| Rocks | - Data compilation of historical rock chip assays |
| | - 9 rocks submitted for analysis (Cu, Pb, Zn, Au, Ag, As, etc) |
| Core | - Data compilation of historical core assays |
| Isotopes | - Data compilation of historical isotope data |

Geophysics

| | |
|-------------|---|
| Magnetics | - Helimag Survey (885 line km, 50m line spacing) |
| Compilation | - Data compilation of historical geophysical data |

4. RESULTS

4.1 Geology

4.1.1 Regional Geology

The Red Hills EL is hosted in the Cambrian Mt. Read Volcanics. The Mt Read volcanics are an arcuate belt of acid to intermediate volcanics occupying the eastern margin of the Dundas Trough. They are bounded to the east by Precambrian basement rocks of the Tyennan Region and younger Cambro-Ordovician siliciclastics and appear to interfinger with fossiliferous volcanosedimentary rocks of the Dundas Group and Western Sedimentary Sequence to the west.

A major north south striking structure, the Henty Fault divides the Mt Read Volcanics into two parts, north and west of the Henty Fault and south and east of the Henty Fault. Within the Henty Fault are rocks of the Henty Fault Sequence to the south of Mt Murchison, and the Farrell Slates to the north near Tullah. The Mt. Read Volcanics north and west of the Henty Fault (Figure 3) host the Pb-Zn rich polymetallic volcanogenic massive sulphide (VHMS) deposits of Rosebery, Hercules, Que River and Hellyer while the volcanics south and east host the Henty Gold Mine, Mt Julia Prospect and copper gold deposits of the Mt. Lyell Field.

The Mt. Read Volcanics south and east of the Henty fault are divided into four lithological groups (Corbett 1992),

- 1) Central Volcanic Complex (CVC) consisting of mainly rhyolitic to andesitic volcanics with minor sediments and mafic units.
- 2) Eastern Quartz Phyrlic Sequence of quartz porphyritic lavas and volcanoclastics.
- 3) Tyndall Group comprising mainly quartz-phyric felsic and intermediate extrusives and volcanoclastics with interbedded epiclastics.
- 3) Western Sequence of volcanosedimentary siltstones, shales, quartzose and volcanoclastic turbidites and felsic porphyry intrusives.

The oldest rocks belong to the CVC and Western sequence. The Tyndall Group overlies the CVC both conformably and unconformably.

Overlying the Mt Read Volcanics are the Cambro Ordovician siliciclastics of the Owen Conglomerate (Denison Group) which have an unconformable to interdigitating relationship.

4.1.2 Regional Structure

The NNE trending, 70° west dipping Henty Fault dominates the Mt Read Volcanic Belt for at least 60km. The Henty Fault divides into the North and South Henty Faults near Mt. Read. The Great Lyell Fault splays off the Henty Fault somewhere in the vicinity of Mt. Murchison and trends in a southerly direction to the south of Mt Lyell. Both of these structures bound the western margin of thick sequences of Owen Conglomerate.

The Cambrian and younger (to early Middle Devonian) rocks in western Tasmania have been effected by widespread Devonian folding of the Tabberabberan Orogeny. The Tabberabberan Orogeny was a multiphase deformation event, with an early phase of NNW folding (D₁) and a later NW to WNW (D₂) trend recognised in the region (Williams, 1989). This has produced open upright folding in competent siliciclastic units but tight folding in phyllosilicate rich volcanics. Reverse faulting is common and the rocks have developed a pervasive regional foliation. Metamorphism was of prehnite-pumpellyite to lower greenschist facies.

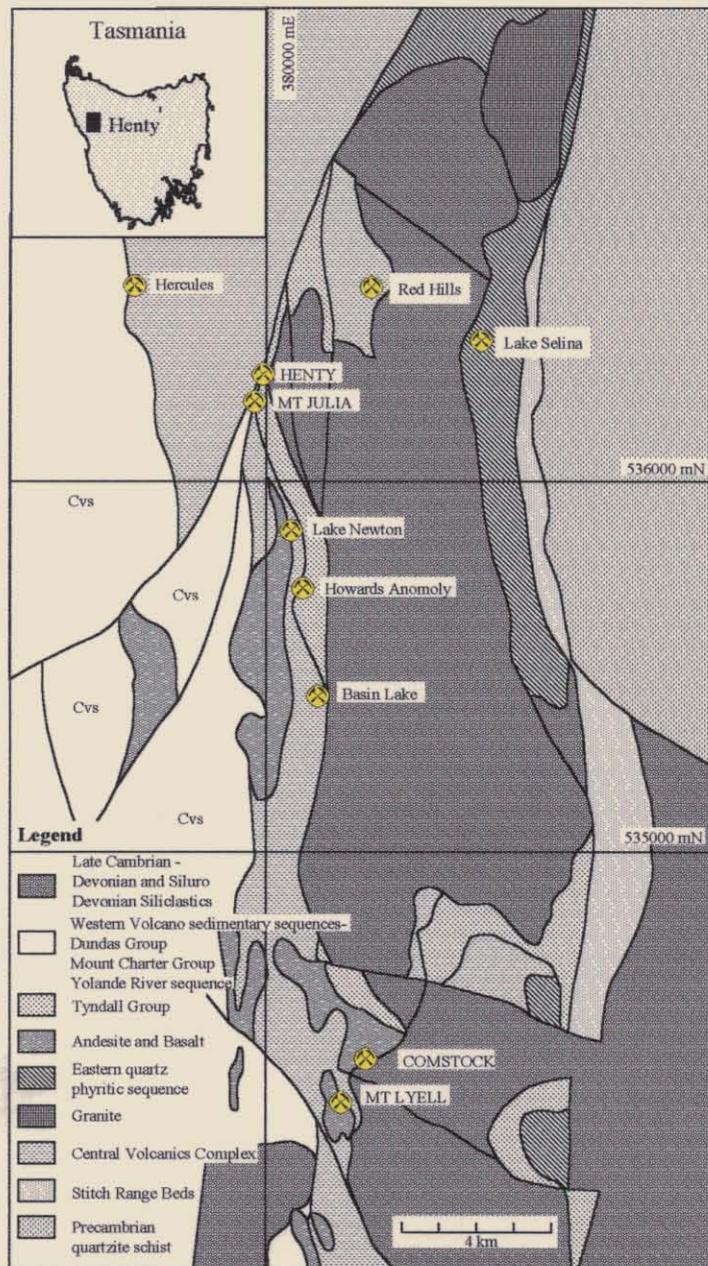


Figure 3. Location Map and Regional Geology (Modified after Corbett, 1992)

4.1.3 Tectonic History

Basement rocks of western and central Tasmania comprise Late Proterozoic sediments multiply deformed in the Late Proterozoic Penguin Orogeny. A following rift phase deposited continental shelf sequences followed by extensive tholeiitic volcanism (Crawford & Berry 1992). Eastern Australia's passive margin collided with an oceanic arc thrusting slices of

ultramafic to mafic forearc sequences over most of western Tasmania (Crawford & Berry 1992).

Middle Middle Cambrian extensional tectonism associated with the Delamerian Orogeny resulted in rapid deposition of sediments and calc-alkaline volcanics (Mt. Read Volcanics), particularly along the eastern margin of the newly formed Dundas Trough (Berry 1994). Late reactivation of extensional faults as reverse faults formed open north trending folds and the uplift and erosion of the Tyennan Block forming the Owen Conglomerate (Berry 1994).

Continued sag phase sedimentation continued to the Middle Devonian with the exception of a hiatus in deposition during the Silurian (Berry 1994).

Deposition ceased in the middle Devonian with the onset of the Tabberrabberan Orogeny. In western Tasmania north trending Cambrian folds were tightened with a NNW striking cleavage. Locally developed WNW trending folding and cleavage is associated with NNE trending compression. Late to post orogenic granitoids intruded the West Coast region with associated mineralisation (eg Renison Bell).

4.1.4 Local Stratigraphy

Geological interpretation relies largely on 1:5000 field mapping and drillcore relogging. Fact mapping and geological interpretation is presented as Plans 1, 2 and 3. The geological interpretation for areas outside current EL boundaries is based largely from McNeill, 1987. Outcrop within the lease is generally good with the exception of some areas of forest cover in the centre and north of the tenement, and some glacial scree deposits in the south and southwest.

Stratigraphic relationships within the Red Hills locality are complex due to volcanic facies variations, structural complications, intense hydrothermal alteration, Cambrian palaeotopography and unconformities within the Tyndall Group and at the base of the Owen Conglomerate.

Previous mapping of the Red Hills area (McNeill, 1987 and McNeill and Corbett, 1992) suggests the geology is dominated by feldspar phyric and minor feldspar-quartz phyric lavas and volcanoclastics of the CVC. The unconformable to disconformable feldspar-quartz-phyric lavas and volcanoclastics of the Tyndall Group overlie the CVC, outcropping along the western, southern and eastern margins of the lease. The unconformable Owen Conglomerate has a similar distribution.

Visually much of the CVC is similar to the CVC in the Henty-Tyndall Range area but is geochemically distinct, having lower Ti/Zr ratios (5 compared to 14). This rhyodacitic signature is similar to the Tyndall Group rhyolites.

Central Volcanic Complex

The Red Hills CVC correlate is comprised of felsic lavas and lava breccias, pumiceous volcanoclastic breccias and sandstones, and a series of volcanoclastic sandstones, shales and coherent volcanics.

Felsic Lavas and Lava Breccias

Coherent lavas occur as massive to blocky outcrop with occasional flow banding. Lavas are generally aphyric with rare fine feldspar phenocrysts and extremely rare quartz phenocrysts. They are cream to light tan coloured and are possibly dacitic to rhyodacitic with low Ti/Zr ratios (~5 see section 4.2.2). The coherent volcanics form numerous, domes, sills and flows of a few hundred metres in length to possibly larger flows in the Red Hills alteration zone.

These volcanics outcrop extensively in the eastern, northern and central western portion of the tenement and are potentially the oldest in the Red Hills area. Peperitic contacts suggest

many flows were partially intrusive, possibly forming subsurface domes and flows. Breccias and hyaloclastic deposits are common suggesting sub-aqueous extrusion of magmas onto the seafloor.

Pumiceous Volcaniclastics

Feldspar crystal-pumice lithic volcaniclastic breccias are common throughout the Red Hills area, particularly the western margin of the CVC's. They outcrop as strongly foliated, often weakly chlorite-silica altered elongated ridges throughout the western and northern parts of the tenement. They are composed principally of flattened pumice clasts to 10cm in length with lesser, pink to tan coloured, aphyric volcanic lithic fragments up to 10cm in length. Orange to white, albitised feldspar crystals to 2mm are common, varying between 2 and 20% of the rock mass. Rare, strongly foliated vitric siltstones outcrop in the northwest of the lease within the Pumice breccias. These may represent graded tops of individual sub aqueous mass flow deposits. No facies criteria have been found in the field.

These rocks have similar low Ti/Zr ratios (~5, Section 4.2.2) as the Red Hills Lava and the Tyndall Group Rhyolites. They probably represent marine deposition of a single explosive eruptive event.

Although they occur in a similar stratigraphic position and are visually similar to the pumice breccias of the CVC in the Tyndall Range area, their geochemistry has more similarities to the Tyndall Group or Yolande River sequence than the CVC. Detailed litho-geochemistry may further differentiate these volcaniclastics.

Lower Mineralised Horizon

Overlying the Red Hills lava is a package of volcaniclastic and coherent volcanics termed the Lower Mineralised Horizon LMH (Reid and Close, 1997). The LMH hosts the polymetallic massive sulphide intersection in diamond drillhole RH5 and is the lowest stratigraphic horizon at which VHMS mineralisation has been identified. Reid and Close (1997) consider the base of this horizon to be the Tyndall Group-CVC boundary. The base of the Tyndall Group at Red Hills is not well defined and may be closer to the shale horizon.

The lower mineralised horizon is characterised by polymict and monomict volcaniclastic breccias, lithic volcaniclastic sandstones and dacitic lavas and lava breccias. Polymict volcanic breccias are composed of lithic clasts to block size including abundant dacitic lava clasts, carbonate clasts, cherty siliceous clasts and some semi-massive sulphide and silica-pyrite clasts. Volcanic lava breccias, monomict volcaniclastic breccias and lithic volcanic sandstones form a continuum of volcanic facies within this horizon. Clasts are fine to block sized and are composed dominantly of finely feldspar phyric to aphyric dacites. Individual units vary from 20 to 2m thick and are occasionally graded but usually show little internal stratification. Facies variation from clast supported volcaniclastic breccias to clast poor, lithic volcaniclastic sandstone is apparent. Reid and Close (1997) note that finer, less clast rich flows occur to the east of the "shale syncline", suggesting a more distal depositional environment for the flow facies.

Black Shale and Volcaniclastic Siltstones

Overlying the LMH is a distinctive shale horizon that strikes NNW through the middle of the lease. The shale horizon is dominantly a dark grey to black carbonaceous shale in the centre and north of the lease, but has an increasing cream coloured volcaniclastic component to the south. The shale thickens markedly to the south, and pinches out short of the northern EL boundary. The shales are finely laminated, strongly foliated and disrupted.

Minor volcaniclastic siltstone and feldspar crystal-rich sandstone is interbedded with the shale in the north. To the south limestone breccias, calcareous sandstones, quartz-phyric sandstones and quartz-feldspar porphyries are associated with the shale horizon supporting Reid and Close (1997) and Hermann's (1996) correlation of this unit with the Lynchford Member of the lower Tyndall Group.

Quartz-Feldspar-Phyric Lavas and Volcaniclastics

Massive quartz-feldspar-phyric lavas outcrop extensively along the western margin and south of the tenement. Minor intrusive sills of similar rhyolite occur in the east of the tenement. The rhyolite appears to have an intrusive base but was clearly emergent in the Henty Mine portal area where it has peperitic, brecciated and redeposited volcaniclastic facies associated with the overlying Owen Conglomerate siliciclastics (Callaghan, 1998). The rhyolite is similar in appearance and chemistry as the Mt Julia rhyolite and is probably a second extrusion related to the same batch of magma.

Typically the lava is massive with localised flow banding and flow brecciation. It consists of 10-15% 2-4mm quartz phenocrysts, 10% 2-3mm euhedral feldspar phenocrysts in a glassy, variably albite to weakly chlorite altered groundmass.

Owen Conglomerate.

Unconformably overlying both the CVC and Tyndall Group a locally thick sequence of Precambrian derived siliciclastics termed the Owen Conglomerate. The stratigraphy of the Owen Conglomerate in the Red Hills locality has been described by Mines Department geologists (McNeill and Corbett, 1992). Locally overlying the unconformity in the south and north east of the tenement is the Jukes Breccia. It is typically a massive polymict open framework to clast supported conglomerate composed of dominantly volcanic clasts with occasional Precambrian quartzite derived siliciclastics. Clasts vary from granule to boulder size and are angular to sub-rounded. Pervasive hematite alteration is common and frequently discriminates this unit from the Zig Zag Hill Formation of the upper Tyndall Group.

In the north of the tenement on the southern slopes of Moxon Peak is a bedded granule to pebble epiclastic conglomerate representing a local variation of the Jukes breccia. The rock is composed mostly of sub-rounded to angular clasts of chlorite altered aphyric rhyodacite, locally derived from the Red Hills Lava. Detrital magnetite within this unit gives it a strong magnetic signature. Subaerial exposure, erosion and local deposition of the Red Hills Lava is evident during the onset of Owen Conglomerate deposition.

Overlying the Jukes Breccia or unconformably overlying the volcanics in the south of the tenement is the Lower Owen Conglomerate (McNeill and Corbett, 1992). The unit consists of grey to pink siliceous pebble-cobble conglomerate with boulder conglomerate towards its base. Minor, discontinuous beds of grey sandstone occur throughout the unit. To the north, west and south of the tenement is the Newton Creek sandstone, a unit of interbedded grey micaceous sandstone and pebble conglomerate. The Newton Creek Sandstone is intersected in numerous drillholes around the Henty Mine.

The Middle Owen Conglomerate conformably overlies the Jukes Breccia and unconformably overlies the volcanics in the north and east of the tenement. McNeill and Corbett (1992) note that the Middle Owen overlies the Lower Owen and Newton Creek Sandstone to the west, south and northwest of the tenement, the lower units occurring in fault bounded palaeogeographic lows, the entire Owen Group thinning rapidly to the east. The Owen sequence at Gooseneck Hill is probably Middle Owen as suggested by McNeill and Corbett (1992). Although disrupted by late faulting, this sequence overlies the Newton Creek sandstone in the Mine Portal area (Callaghan, 1998). The Middle Owen is a thick bedded to massive pebble-cobble to cobble-boulder conglomerate with lenses of coarse, pink sandstone.

4.1.5 Structure

The Red Hills geology generally strikes NNW-SSE and dips steeply west and is interpreted to be controlled by open to tight N-S trending folding and faulting. A dominant 350° striking, 70° west dipping foliation is strongly developed in volcaniclastic units and moderate to weakly developed in coherent lavas and Owen Conglomerate. This foliation is probably attributed to D₂ Devonian deformation (Williams, 1989).

Folding

Broad scale, open folding is clearly evident in the well bedded Owen Conglomerate which implies similar folding of the underlying volcanics. Folding within the Owen is generally open with a gentle southerly plunge, and a wavelength of 2-400m. Interpreted folds within the volcanics, particularly volcanoclastics and altered rocks are tighter, truncated folds with strong local cleavage development and shearing. Previous workers (Purvis et al, 1983, Reid and Close, 1997) attribute the distribution of black shale units to folding within the volcanics. This central syncline is favoured as it explains facing criteria required for younger Tyndall Group correlates to outcrop in the centre of the tenement. Reid and Close (1997) also note that the syncline is supported by symmetry of the LMH and CVC both east and west of the black shales and possibly by facing reversals in drillcore although the latter point is open to interpretation.

Bedding within Owen Conglomerate to the east of the 'Red Hills' ridge and facing criteria require an open, N-S trending anticline axis within the Red Hills Lava. This fold is interpreted to be the northern extension of a north trending fault, extending south from the Red Hills ridge towards Lake Westwood.

A similar anticline axis/fault is required just west of the black shale horizon to satisfy facing criteria on the eastern limb of the Gooseneck/Mt Julia syncline.

Faulting.

Major faulting within the Red Hills EL is not evident, with minor N-S faulting and shearing possibly associated with folding being the dominant style. Most of the shearing is localised on lithological contacts or in interpreted fold hinges. An exception to this is an interpreted, essentially E-W fault in the south of the tenement. This fault is interpreted to have a small north side up displacement to allow for the juxtaposition of younger Owen sequence rocks against CVC volcanics. The Owen is underlain by Tyndall Group volcanics and is not interpreted to be very thick, suggesting a displacement of 10's of metres.

In the far NW of the tenement the CVC and Owen sequence dip ENE in close proximity to the major, NE trending Henty Fault.

4.1.6 Alteration and Mineralisation

Three principal mineralisation styles have been identified at Red Hills:

4. Stratabound gold/polymetallic VHMS
5. Stringer vein Cu-Au-Magnetite.
6. Silica-carbonate alteration and Qtz-carb-Au-basemetal veining.

1. Stratabound gold/polymetallic VHMS

The host horizon for stratabound gold/polymetallic VHMS mineralisation was first identified by RTZ and the EZ company from 1957-61 with extensive geophysical surveys culminating in the drilling of four diamond drill holes into the black shale and volcanoclastic horizon hosting pyrrhotite-pyrite mineralisation. The Mt Lyell Mining and Railway Company identified a small massive sulphide body (2.8m @ 34.5% Zn, 11.4% Pb, 0.3% Cu, 250 g/t Ag and 6.5 g/t Au) from DDH RH-5 in 1977. A further 11 holes failed to identify further VHMS mineralisation. Reassaying of drillcore identified a significant zone of gold mineralisation with best grades of 1.5m @ 8.1 g/t in RH-8.

Mineralisation is hosted in the stratigraphic package including the Lower Mineralised Horizon extending up to the Black shale and volcanoclastic shale horizon. These units are considered to be the local equivalent of the CVC-Tyndall Group boundary, the host sequence for the Henty-Mt Julia mineralisation.

The Red Hills polymetallic sulphides are hosted as a discontinuous series of lenses and clasts within the Lower Mineralised Horizon. They were possibly transported from an in situ sulphide body as a series of debris flows as footwall alteration is not present, and surrounding holes did not intersect the horizon but do contain reworked banded silica-pyrite clasts. As outlined by Reid and Close (1997) the sulphides have the typical textures, sulphur isotopic signature and basemetal ratios of other VHMS occurrences within the Mt Read Volcanics and probably represent an early exhalative/subhalitive phase of mineralisation.

The rocks between the Lower Mineralised Horizon and the black shale horizon host disseminated pyrite-sphalerite-gold mineralisation associated with pervasive silica-sericite alteration. This alteration is well developed in the centre of the EL and is intersected in a number of drillholes in the same vicinity. Reid and Close (1997) consider this alteration to be ongoing VHMS hydrothermal activity following formation of the massive sulphides. An inferred resource of 1Mt @ 2 g/t Au has been calculated for this zone (Purvis et al. 1983).

2. Stringer vein Cu-Au-Magnetite.

Stringer vein pyrite-chalcopyrite-magnetite-gold mineralisation associated with intense chlorite-k feldspar-silica veining is locally hosted within the intensely altered Red Hills lava. The best developed mineralisation of this style is in the north of the Red Hills ridge at the Northern Adits. Red Hills was first prospected for this style of mineralisation in the 1890's (Smith, 1898). The Northern Adits were extended by the Mt Lyell Mining and Railway Company in 1907 (McNeill and Corbett, 1992). The Mt Lyell Company revisited this style of mineralisation after 1966 drilling 23 percussion holes and 4 diamond drillholes (RH1-RH4). Extensive low grade (<0.5 %) copper mineralisation was identified in some of the drillholes but no economically significant mineralisation was identified.

Pervasive K-feldspar, chlorite, sericite and silica alteration is extensive throughout the eastern Red Hills EL, destroying primary volcanic textures. The alteration stands out prominently on both aeromagnetic and radiometric images and appears to extend both to the north and south of the EL beneath unconformable Owen Group siliciclastics.

Alteration is broadly zoned from an inner intense K-feldspar-chlorite zone to a silica-chlorite zone along the northern and western margins of Red Hills. K-feldspar forms domainal elongate lenses to 10-15cm in length enveloped by pervasive chlorite alteration. Petrographic work by Jenkins (1991) indicates an early phase of K-feldspar alteration overprinted by pervasive chloritisation. Pyrite-chalcopyrite-magnetite mineralisation occurs as stringer veins, small lenses to 25cm and disseminations associated with intense chlorite alteration and silicification.

Large et al., (1996) observe chalcopyrite-magnetite mineralisation proximal to Cambrian granites. They suggest a genetic link between Cambrian granites and VHMS mineralisation of the Mt Lyell field, Jukes Pty Ltd, Mt Selina and Mt Darwin area.

3. Silica-carbonate alteration and Qtz-Carb-Au-basemetal veining.

Plutonic Exploration (Reid and Close, 1997) identified a zone of silicification and quartz-carbonate veining with minor gold mineralisation within a rhyodacitic lava in the southwest of the EL. The lava is strongly silicified and bleached with carbonate (siderite?) blebs to 3mm and trace euhedral pyrite disseminations to 1mm. Quartz-carbonate veins form an irregular stockwork of fine veinlets to massive bucky white quartz veins. Veins are frequently limonitic after carbonate and minor galena-sphalerite mineralisation. Soil samples by Plutonic Exploration define a 250m long mineralised target zone with samples up to 1.36g/t coincident with the massive lava unit. Surface rock chip and mullock samples collected by Plutonic assay up to 2.6 g/t Au with low level Pb (0.6%) and Zn (0.26%).

The massive veins appear to be typical syn to post orogenic veining in response to brittle failure of the homogenous lava during Devonian deformation. However the pervasive bleaching, silica-carbonate alteration, disseminated sulphide mineralisation and micro-veining may well have a Cambrian origin. Further investigation is recommended.

Similar alteration has been observed along strike to the north and south. These areas have not been covered by previous rock chip or soil surveys.

4.1.7 Drill Core Relogging

Table 2 lists the 25 diamond drill holes that have been drilled in the Red Hills area prior to June 2000. Most of the core is located in the Mineral Resources Tasmania's Mornington core library and was relogged between March to April 2000. No core was available for holes RHP94, RHP95, GN1, GN2 and RH14. Many of the early holes were placed in King Billy Pine core trays with masonite bases. Unfortunately these trays have not been fully protected from the weather and the bases have begun to rot. Three of the holes had to be re-trayed.

Full details of the drill holes and logs are presented in Appendix 6. An explanation of the codes used in logging is presented in Appendix 5.

Table 2. Summary of Drilling in the Red Hills area

| Hole | Easting | Northing | Depth | Company |
|-------|----------|----------|--------|------------|
| RHP94 | 382400 | 5365825 | 376.4 | RTZ |
| RHP95 | 382205 | 5364777 | 242.6 | RTZ |
| GN1 | 382230 | 5363924 | 236.8 | RTZ |
| GN2 | 382525 | 5363436 | 155.1 | RTZ |
| RH1 | 382825 | 5365473 | 138 | MLMRC |
| RH2 | 382650 | 5365515 | 137.2 | MLMRC |
| RH3 | 382530 | 5365106 | 125 | MLMRC |
| RH4 | 382746 | 5365815 | 310 | MLMRC |
| RH5 | 382296 | 5365140 | 237.7 | MLMRC |
| RH6 | 382136 | 5365182 | 157.25 | MLMRC |
| RH6R | 382136 | 5365182 | 453.85 | MLMRC |
| RH7 | 382177 | 5365337 | 322 | MLMRC |
| RH8 | 382158 | 5365101 | 380 | MLMRC |
| RH9 | 382164 | 5364766 | 388.2 | MLMRC |
| RH10 | 382097 | 5364525 | 474.5 | MLMRC |
| RH11 | 382235 | 5363897 | 382 | MLMRC |
| RH12 | 382185 | 5365576 | 307 | MLMRC |
| RH13 | 382283 | 5364850 | 244 | Goldfields |
| RH14 | 382124 | 5364877 | 101 | Goldfields |
| RH14R | 382124 | 5364877 | 480 | Goldfields |
| RH15 | 382368 | 5363651 | 320 | Goldfields |
| RH16 | 382155 | 5365101 | 415 | Goldfields |
| RH17 | 382508 | 5363091 | 208 | Goldfields |
| RH18 | 382403.6 | 5363402 | 356.8 | Aberfoyle |
| RH19 | 382396 | 5363401 | 237.3 | Aberfoyle |

4.2 Geochemistry

4.2.1 Soil Geochemistry

The data from the Plutonic C-horizon soil survey at Red Hills (Reid and Close, 1997) was reprocessed using Surfer and colour images produced in MapInfo format. Figure 4 is an example of the Au image superimposed on a grey scale image of the 1st vertical derivative magnetic image. Similar images were produced for Cu, Pb, Zn and As.

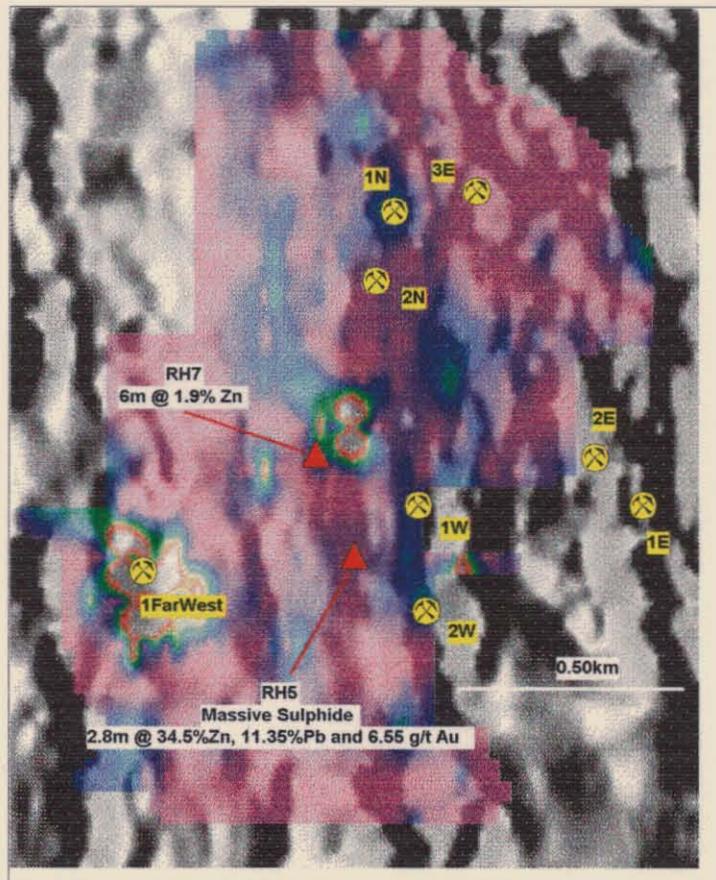


Figure 4. Red Hills Soils – Au over 1VD magnetics

Prominent gold anomalies were located over the Far West Adit and the Lower Mineralised Horizon-Black Shale sequence in the vicinity of the Inferred Resource (5365400mN 382400mE). A weak gold soil anomaly extends north from the resource area. Further weak Au anomalism is located in the vicinity of the Northern Adits along with a coincident arsenic anomaly. The Far Western Adit Au anomaly is not associated with Cu, Pb, Zn or As anomalies.

Prominent copper anomalism is coincident with the Red Hills chlorite-k feldspar-silica alteration and Cu-Au-Mt mineralisation. Lead and arsenic levels are elevated over the LMH and shale horizon mapping out its lateral extent. Zinc forms widespread low level anomalies with several spot highs associated with the shale horizon.

Due to the success of the Plutonic C-Horizon soil survey it was decided to extend the survey to cover all outcropping/sub-cropping Cambrian rocks on the Red Hills EL. The grid was extended on 200m spaced East-West lines as outlined in Figure 5. An additional C-horizon soil samples (approximately 300 samples) were collected at 25m spaced intervals along the extended grid lines. Samples were analysed at Analabs by AAS method A102 for Cu, Pb and Zn, As by H102 and by fire assay method F650 for Au. At time of reporting only the first 68 sampls had been submitted for analysis. Results are listed in Appendix 4.

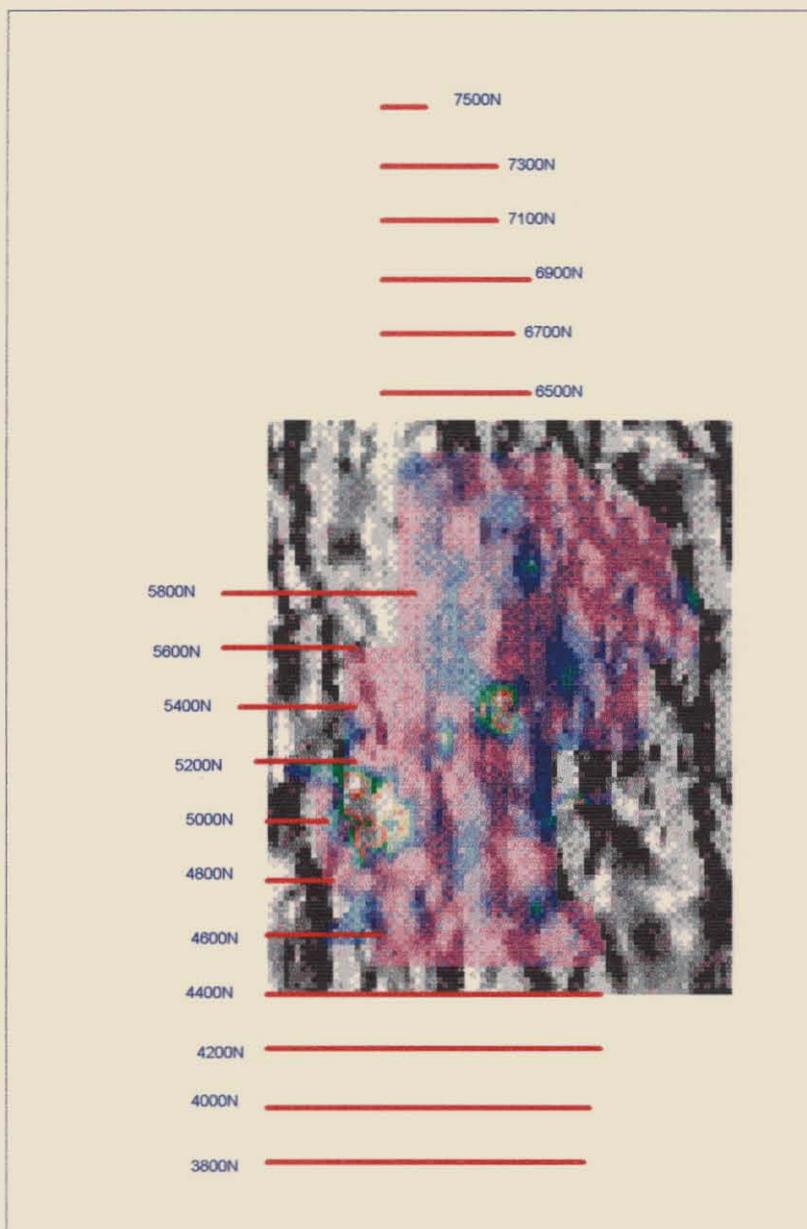


Figure 5. Red Hills grid and soil extension, August 2000.

4.2.2 Lithogeochemistry

A database of 129 samples from the Red Hills area has been compiled from the following sources:-

Reid and Close, 1997
 McNeill and Corbett, 1992
 Noonan, 1990
 Jenkins, 1991, and
 Blake, 1998

Drill hole RH 18 intersected the contact between the Tyndall Group and underlying Central Volcanics Sequence. A series of core grinds were collected from this hole (Noonan, 1990) Figures 6 and 7 show how Ti and Zr can be used to discriminate several lithogeochemical groups. The Central Volcanic Sequence is seen to exist as two distinct lithotypes with Ti/Zr ratios of about 5 and 10. It is interesting to note that the quartz porphyry samples (green crosses) have a Ti/Zr ratio of about 10 and are probably comagmatic with the dacitic lavas. The Tyndall Group lavas (green triangles) have a Ti/Zr ratio of about 5 and plot on the same regression line as the Central Volcanic Sequence volcanoclastic sediments from the end of the hole. These sediments have been logged as dacites due to their feldspar phyric nature but the very low Ti/Zr ratio is indicative of rhyolitic compositions.

Volcanoclastic sediments logged as Lynchford Tuff and Comstock Tuff(?) have Ti/Zr ratios that range from 17 to 26 consistent with values from the Henty area. Black siltstones have a highly variable Ti/Zr ratio that ranges from 15 to 20. A small mafic dyke from 140.7 to 140.9m has a high Ti/Zr ratio of 58

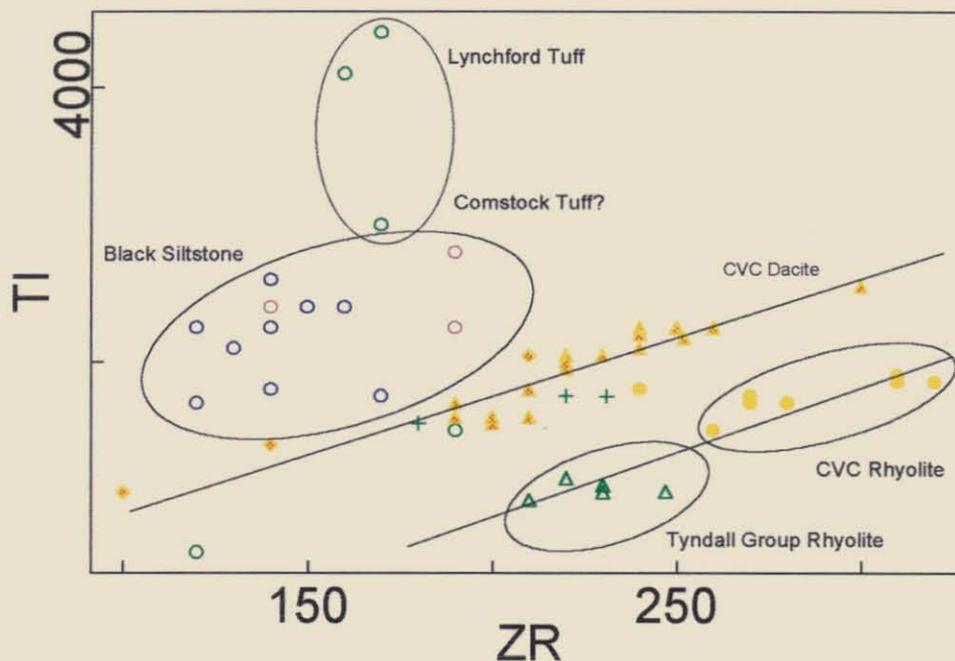


Figure 6. Ti verses Zr for RH18 grinds

| | |
|--------------------------|--|
| Dark Green open circles | Lynchford Tuff / Comstock Tuff |
| Blue open circles | Black siltstone |
| Purple open circles | Ashy siltstone |
| Light green open circles | Ashy siltstone at base of Lynchford Tuff |
| Orange triangle | Dacite Lava |
| Orange diamond | Dacite Lava |
| Yellow circle | Rhyolitic volcanoclastic |
| Green cross | Qtz Porphyry |
| Green triangle | Rhyolite lava |
| Red diamond | Basalt dyke (omitted) |

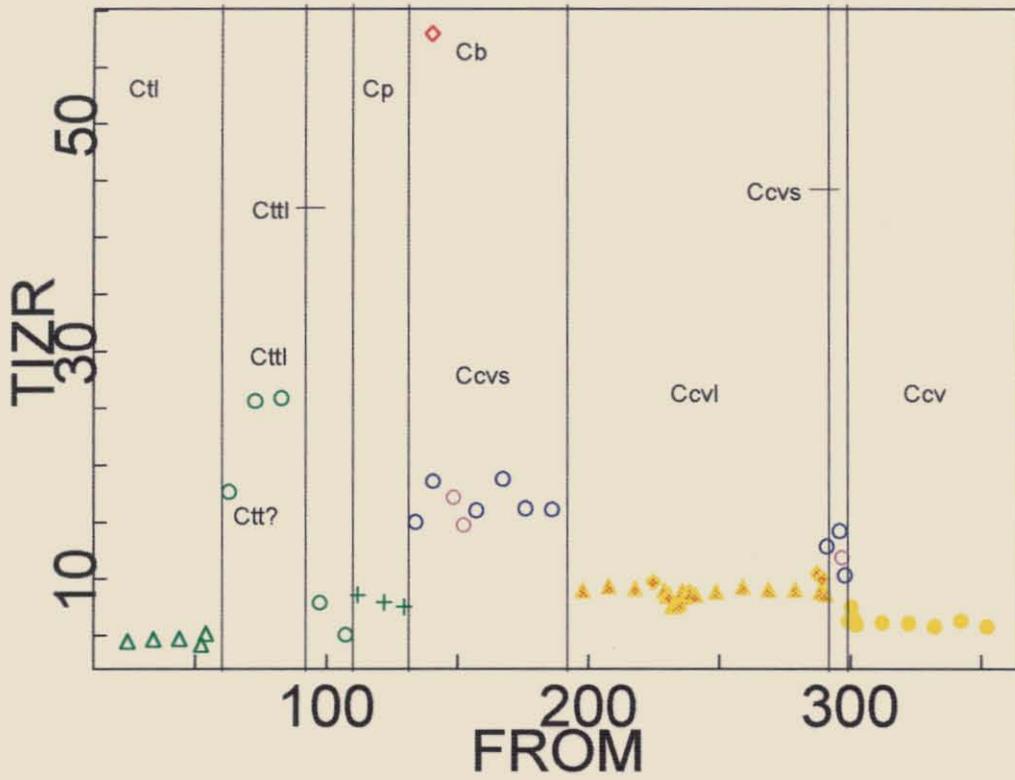


Figure 7. RH18 - Ti/Zr verses Depth

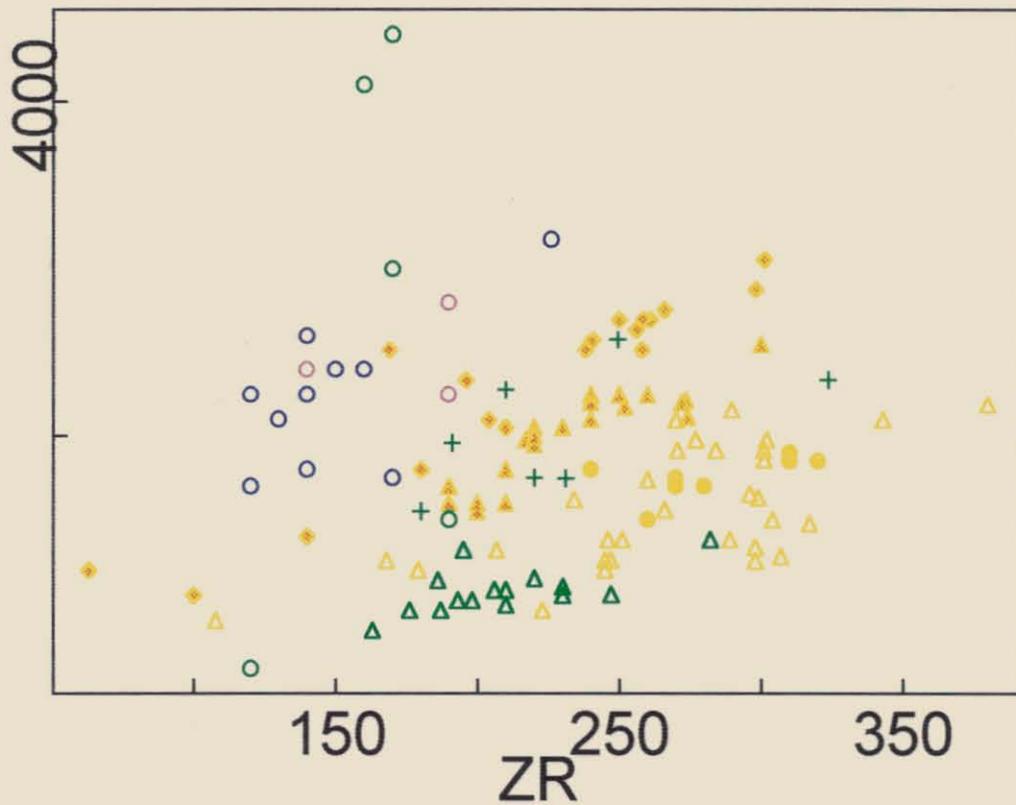


Figure 8 Ti verses Zr for all Red Hills samples

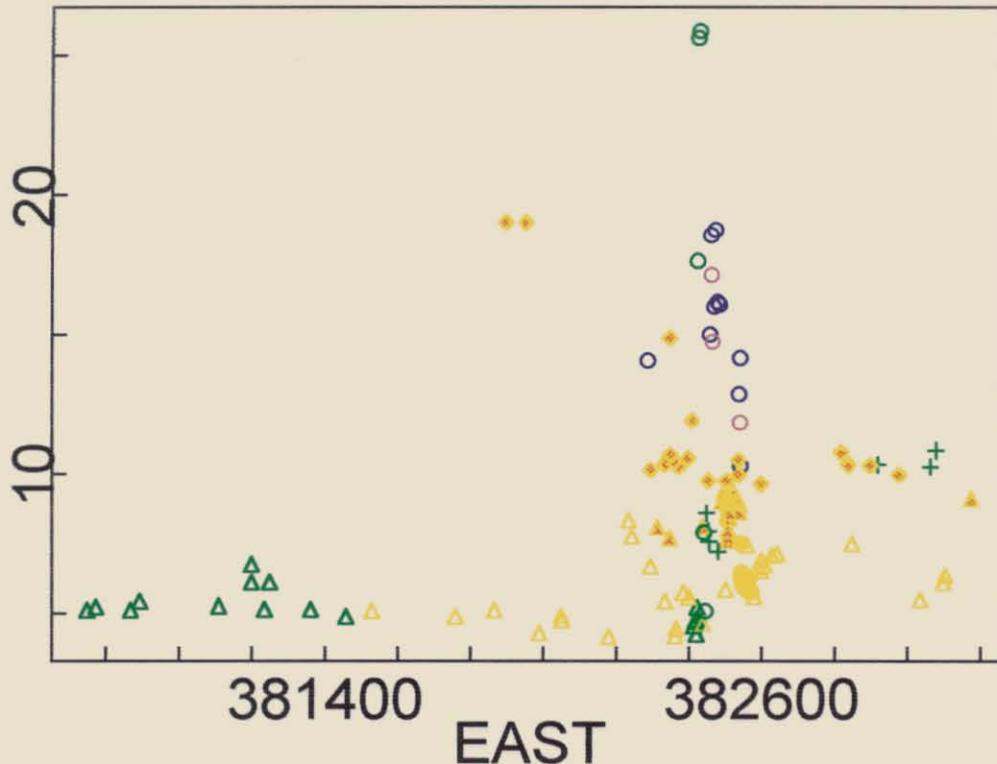


Figure 9 Ti/Zr verses east.

Figure 8 is a plot of Ti versus Zr for the Red Hills database. The linear trends displayed by the lithochemical groups on Figure 6 are still obvious however there is a much wide degree of scatter. This probably reflects the high proportion of volcaniclastic sediments and autobrecciated lavas in the sequence. In general the Central Volcanic Sequence consists of three lithochemical groups with Ti/Zr ranging from 3 to 8 (yellow symbols), 8 to 10 (orange triangles), and 10-12 (orange diamonds). There is pronounced geochemical change in the Central Volcanic Sequence west of 382200mE (Figure 9) with consistent low Ti/Zr ratios of about 5.

4.2.3 Channel Sampling

Two adits, The Far West Adit and No1 North Adit were channel sampled on 2m spaced intervals in June 2000. Adit locations are displayed in Figure 4. Samples were submitted to Analabs Burnie and assayed for Au by fire assay method F650 and Cu, Pb, Zn Ag and As by AAS method A102.

The Far West Adit is located on the southwestern side of a ridge associated with strong gold soil and rock chip anomalies identified by Plutonic (Reid and Close, 1996). The rock is strongly silica-carbonate altered aphyric dacite with prominent silica-carbonate veining and micro-veining. Assay results are tabulated below (Table 3) and a map of the adit is located in Figure 10.

Aug/t

| | |
|---------|--------|
| 1080149 | < 0.01 |
| 1080148 | 0.04 |
| 1080147 | 0.60 |
| 1080146 | 0.03 |
| 1080145 | 0.03 |
| 1080144 | < 0.01 |
| 1080143 | 0.01 |
| 1080142 | 0.02 |
| 1080141 | < 0.01 |

5 cm

613024

| | |
|--|-------------|
| RGC EXPLORATION PTY. LIMITED INCORPORATED IN NEW SOUTH WALES | |
| COMPILED | |
| DRAWN | Tc |
| DATE | 16-6 00 |
| CHECKED | |
| 1:250 000 Reference | |
| BASE PLAN No | SCALE 1:100 |
| OVERLAY PLAN No | Fig 10 |

Table 3. Far West Adit channel sampling results

| Samp_id | From m | To m | AU ppm | AG ppm | AS ppm | CU ppm | PB ppm | ZN ppm |
|---------|--------|------|--------|--------|--------|--------|--------|--------|
| 1080141 | 0 | 2 | -0.01 | -1 | -50 | 12 | 239 | 192 |
| 1080142 | 2 | 4 | 0.02 | -1 | -50 | 13 | 37 | 105 |
| 1080143 | 4 | 6 | 0.01 | -1 | -50 | 17 | 35 | 173 |
| 1080144 | 6 | 8 | -0.01 | -1 | -50 | 23 | 119 | 225 |
| 1080145 | 8 | 10 | 0.03 | 1 | -50 | 15 | 2700 | 860 |
| 1080146 | 10 | 12 | 0.03 | 1 | -50 | 23 | 872 | 354 |
| 1080147 | 12 | 14 | 0.6 | 20 | -50 | 19 | 7800 | 782 |
| 1080148 | 14 | 16 | 0.04 | -1 | -50 | 10 | 47 | 172 |
| 1080149 | 16 | 17 | -0.01 | -1 | -50 | 18 | 165 | 218 |

The No1 Northern Adit is located to the northwest of the 'Red Hills' ridge. The rock is intensely silica-chlorite-K feldspar altered dacite with disseminated and stockwork silica-pyrite-chalcopyrite-magnetite mineralisation. Results are tabulated below and presented on Figure 11.

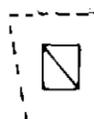
Table 4. No. 1 Nth Adit channel sampling results.

| Samp_id | From m | To m | AG ppm | AS ppm | CU ppm | PB ppm | ZN ppm | AU ppm |
|---------|--------|------|--------|--------|--------|--------|--------|--------|
| 1080151 | 0 | 2 | 4 | -50 | 17400 | 17 | 225 | 0.46 |
| 1080152 | 2 | 4 | 6 | -50 | 18700 | 67 | 227 | 0.14 |
| 1080153 | 4 | 6 | 3 | -50 | 7100 | 43 | 182 | 0.10 |
| 1080154 | 6 | 8 | 3 | -50 | 7600 | 48 | 227 | 0.12 |
| 1080155 | 8 | 10 | 1 | -50 | 2100 | 32 | 166 | 0.02 |
| 1080156 | 10 | 12 | 4 | -50 | 6500 | 46 | 200 | 0.26 |
| 1080157 | 12 | 14 | -1 | -50 | 664 | 9 | 156 | 0.03 |
| 1080158 | 14 | 16 | 1 | -50 | 989 | 5 | 160 | -0.01 |
| 1080159 | 16 | 18 | -1 | -50 | 542 | 11 | 157 | -0.01 |
| 1080160 | 18 | 20 | 1 | -50 | 1150 | 12 | 154 | -0.01 |
| 1080161 | 20 | 22 | -1 | -50 | 445 | 12 | 124 | -0.01 |
| 1080162 | 22 | 24 | -1 | -50 | 886 | 8 | 153 | -0.01 |
| 1080163 | 24 | 26 | -1 | -50 | 902 | 21 | 137 | -0.01 |
| 1080164 | 26 | 28 | -1 | -50 | 423 | 15 | 153 | -0.01 |
| 1080165 | 28 | 30 | -1 | -50 | 373 | 17 | 133 | -0.01 |
| 1080166 | 30 | 32 | -1 | -50 | 709 | 13 | 141 | -0.01 |
| 1080167 | 32 | 34 | -1 | -50 | 423 | 8 | 98 | -0.01 |
| 1080168 | 34 | 36 | 1 | -50 | 1810 | 21 | 169 | 0.01 |
| 1080169 | 36 | 38 | 3 | -50 | 6300 | 18 | 181 | 0.06 |
| 1080170 | 38 | 40 | 1 | -50 | 2490 | 15 | 143 | 0.01 |
| 1080171 | 40 | 42 | -1 | -50 | 762 | 24 | 142 | -0.01 |
| 1080172 | 42 | 44 | -1 | -50 | 619 | 20 | 148 | -0.01 |
| 1080173 | 44 | 46 | 1 | -50 | 1120 | 473 | 201 | -0.01 |
| 1080174 | 46 | 48 | 1 | -50 | 1170 | 26 | 276 | -0.01 |
| 1080175 | 48 | 50 | 2 | -50 | 2070 | 81 | 612 | 0.02 |
| 1080176 | 50 | 52 | 2 | -50 | 1960 | 138 | 1460 | 0.03 |
| 1080177 | 52 | 54 | -1 | -50 | 366 | 45 | 1815 | -0.01 |
| 1080178 | 54 | 56 | 1 | -50 | 727 | 24 | 163 | -0.01 |
| 1080179 | 56 | 58 | -1 | -50 | 367 | 51 | 161 | -0.01 |
| 1080180 | 58 | 59 | -1 | -50 | 329 | 101 | 153 | -0.01 |

Anomalous gold mineralisation was associated with increased pyrite-chalcopyrite-magnetite mineralisation.

Av g/t

| | |
|-------|---------|
| 0.12 | 1080180 |
| <0.01 | 1080179 |
| <0.01 | 1080178 |
| <0.01 | 1080177 |
| 0.03 | 1080176 |
| 0.02 | 1080175 |
| <0.01 | 1080174 |
| <0.01 | 1080173 |
| <0.01 | 1080172 |
| <0.01 | 1080171 |
| 0.01 | 1080170 |
| 0.06 | 1080169 |
| 0.01 | 1080168 |
| <0.01 | 1080167 |
| <0.01 | 1080166 |
| <0.01 | 1080165 |
| <0.01 | 1080164 |
| <0.01 | 1080163 |
| <0.01 | 1080162 |
| <0.01 | 1080161 |
| <0.01 | 1080160 |
| <0.01 | 1080159 |
| <0.01 | 1080158 |
| 0.03 | 1080157 |
| 0.26 | 1080156 |
| 0.02 | 1080155 |
| 0.12 | 1080154 |
| 0.10 | 1080153 |
| 0.14 | 1080152 |
| 0.46 | 1080151 |



5 cm

673096

| | | |
|--|-------------|---|
| RGC EXPLORATION PTY. LIMITED INCORPORATED IN NEW SOUTH WALES | | |
| COMPILED | | RED HILLS N°1 NORTH ADIT |
| DRAWN | TC | |
| DATE | 16-6-00 | |
| CHECKED | | |
| 1:250,000 Reference | | |
| BASE PLAN No | SCALE 1:200 | Fig 11 |
| OVERLAY PLAN No | | |

4.2.4 Rockchips

Nine rock chips were submitted to Analabs Burnie and assayed by XRF for Ti, Zr, V and P to aid lithogeochemical identification of stratigraphic units. Some of the samples were also assayed for Au by fire assay, Cu, Pb, Zn, Ag and As by AAS, and Au and a suite of 31 elements by NAA. Sample locations and results are located in Appendix 3.

Table 5 summarises various element ratios that are used to characterise the lithogeochemical affinities of the rock types. All samples except 44994 have low Ti/Zr, low P₂O₅/TiO₂ and low P₂O₅/Zr ratios comparable to samples assigned to Suite I by Crawford, Corbett and Everard, 1992. Sample 44994 it was mapped in the field as a basaltic dyke. It has a Ti/Zr ratio of about 25 indicating that it has a more andesitic composition. The extremely low La/Yb ratio suggests close affinities to the Henty Dykes (Suite IV).

Table 5. Red Hills Rock Chips – Lithogeochemistry

| Sample No | Easting | Northing | Formation | Rock | Ti/Zr | P ₂ O ₅ /TiO ₂ | P ₂ O ₅ /Zr | La/Yb |
|-----------|---------|----------|-----------|------|-------|---|-----------------------------------|-------|
| 1080137 | 381900 | 5363950 | Ccv | VDFM | 4.50 | 0.07 | 0.50 | NA |
| 1080138 | 382640 | 5365250 | Ccvl | LDF? | 5.76 | 0.06 | 0.56 | NA |
| 1080139 | 381550 | 5366300 | Ccvl | LDF | 5.06 | 0.06 | 0.51 | NA |
| 1080140 | 381400 | 5366500 | Ccvi | VDFM | 5.52 | 0.09 | 0.79 | NA |
| 1080141 | 381960 | 5365005 | Ccvl | LDF | 4.23 | 0.10 | 0.67 | NA |
| 1080142 | 381962 | 5365005 | Ccvl | LDF | 4.68 | 0.07 | 0.52 | NA |
| 1080143 | 381964 | 5365005 | Ccvl | LDF | 6.14 | 0.21 | 2.14 | NA |
| 44994 | 381480 | 5365825 | Cb | IB__ | 25.42 | 0.13 | 5.63 | 3.19 |
| 44995 | 383065 | 5365640 | Cp?/Ctl | IR< | 10.26 | 0.16 | 2.82 | 20.59 |

4.3 Geophysics

4.3.1 Data Compilation

A compilation of all available historical geophysical data from Red Hills is in progress. The original data from most surveys is generally unavailable and only summary and interpretative plans are available. Figure 4a from Purvis et al, 1983 is the best available summary of the early geophysics at Red Hills. The plan has been digitised in to MapInfo to aid interpretation and target identification. The original plan and references to historical geophysical data is presented in Appendix 1.

Some to the data from historical IP surveys has been located and digitised. Figure 12 shows the extent of the gradient array and pole-dipole data captured to date.

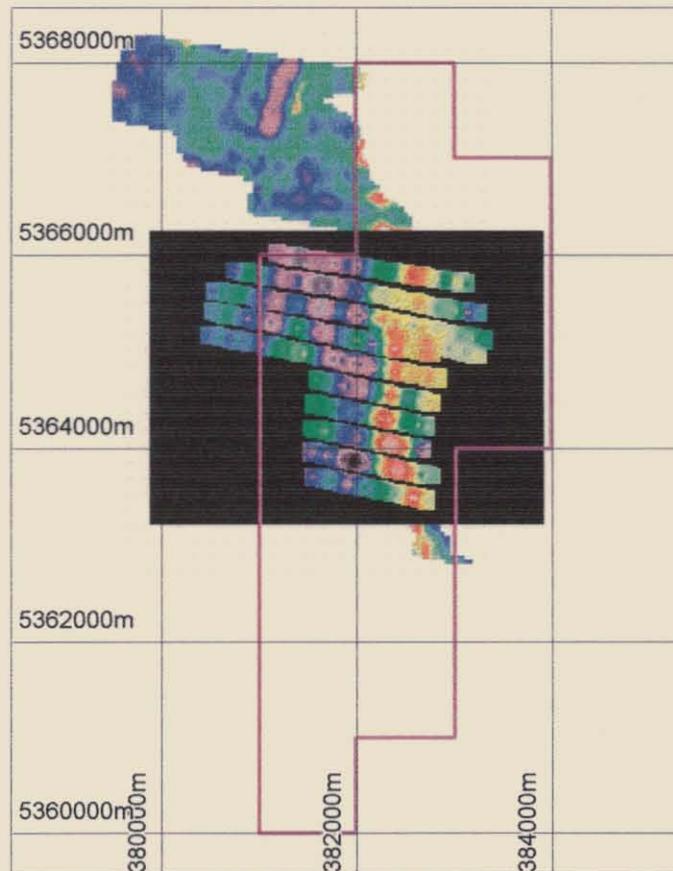


Figure 12. Red Hills - Gradient and Pole-Dipole chargeability Image

4.3.2 Helimag Survey

A helimag and radiometric survey of the Red Hills area was completed in March 2000. The survey consisted of 885 line km on 50m spacings. The data was processed by Goldfields geophysicist Mike House and presented as a series of Map Info format images. An example of one of the images is illustrated in Figure 13. Further images and details of the Helimag survey are presented in Appendix 4.

The helimag survey outlines the chlorite-silica-k-feldspar alteration and associated pyrite-magnetite mineralisation of the Red Hills lava as a prominent magnetic high extending along the eastern margin of the tenement. The Northern Adits form a particularly strong zone of high magnetic intensity. The magnetic alteration zone can be mapped under siliciclastic cover to the north and south of the EL.

The detailed survey also identifies regions of increased magnetic intensity within the CVC to the west of the Red Hills. The shale horizon forms a magnetic high in the south but forms a demagnetised low where disseminated pyrrhotite has been replaced by pyrite in the vicinity of the Au-Zinc mineralised CVC volcanoclastic mass flows intersected in RH5. Aphyric dacites have a weak magnetic response that contrasts with the low magnetic response of the surrounding pumice breccias.

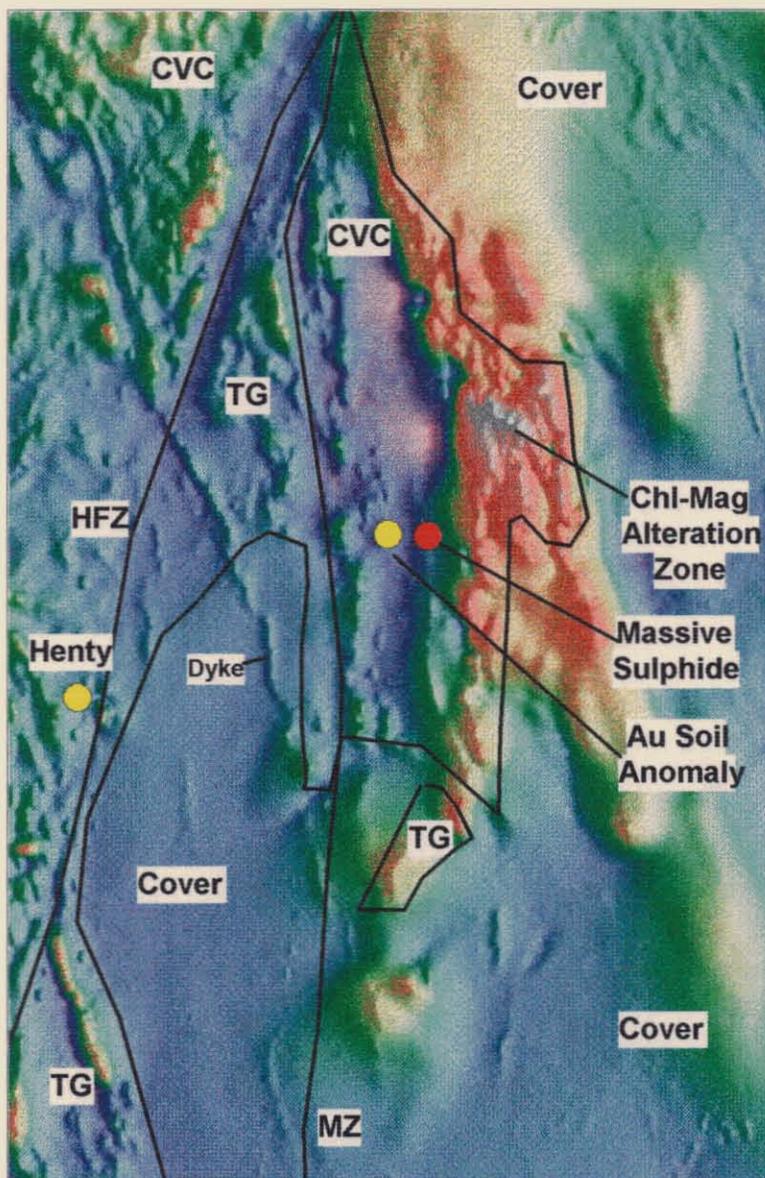


Figure 13. Red Hills Helimag – Principle Magnetic Features.

The radiometric survey maps outcropping volcanics on the Red Hills EL due to the presence of pervasive sericite or K feldspar alteration. The intense K feldspar alteration along the Red Hills ridge stands out as prominent radiometric highs. These highs extend onto the southern slopes of Moxon Peak in the north of the EL..

5 DISCUSSION and RECOMMENDATIONS

The three principal mineralisation styles identified at Red Hills include:

Stratabound gold/polymetallic VHMS

Chlorite-silica-K feldspar alteration with vein and disseminated Cu-Au-Mt.

Silica-carbonate alteration and Qtz-carb-Au-basemetal veining.

Although open to interpretation, spatial relationships suggest the three mineralisation styles formed from a common hydrothermal system. However further research is required to determine if the Cu-Au-Mt mineralisation represents footwall alteration to the VHMS-gold horizon and the distal Qtz-Carb-Au mineralisation. If the Cu-Au-Mt mineralisation and associated alteration is granite related as suggested by Large et al (1996) it possibly postdates the reworked VHMS mineralisation.

The volcanics at Red Hills are interpreted to consist of a number of southerly plunging, short wavelength folds suggesting the Tyndall Group-CVC contact is mostly absent from the EL, although the exposed CVC is probably located a few hundred metres below the eroded contact. This position is host to the southern Henty-Mt Julia alteration position and the South Henty Lake Newton Prospect.

Mapping and relogging of drillcore confirms the host of the Au-VHMS horizon to be CVC volcanoclastic mass flow units (LMH) located just below the Tyndall Group boundary. The horizon has been well tested in the vicinity of RH5 (inferred resource 1Mt @ 5.9% Pb + Zn, 2g/t Au) which is coincident with the strongest soil anomalies. A thorough review of these drillholes is recommended to determine the potential to upgrade the resource.

The LMH and shale horizon continues under Owen Conglomerate cover to the south where it has been intersected in several drillholes (Aberfoyle Resources Ltd drilling). This southern area is poorly tested and remains a potential target however increasing cover thickness makes exploration difficult and expensive.

The northern extension of the horizon becomes thinner but does continue to the northwestern EL boundary. The shale horizon has a magnetic signature in the south due to the presence of minor disseminated pyrrhotite. This signature is destroyed by pyritic alteration around the mineralised RH5 position. This demagnetised zone extends further north towards the slopes of Moxon Peak where it has not been drill tested. A review of the existing geophysical data is recommended prior to drill testing.

C-horizon soil sampling has proved successful in defining both the strike extent of the mineralised CVC LMH and shale horizon and the dacite hosted, Qtz-Carb-Au mineralisation. The LMH has a strong Au and basemetal soil anomaly coincident with the inferred resource in the vicinity of RH5. It becomes spotty and discontinuous to the north.

The Far West Adit is located near a strong Au-soil anomaly. Rockchip sampling of the Qtz-Carb-Au mineralisation suggests this is a low grade target although sample quality is poor and inconsistent. It is recommended that the best anomaly over the Far West Adit be tested with a 300m diamond hole to identify zonation patterns or controlling structures.

The helimagnetic and radiometric survey clearly outlines the chl-silica-k feldspar Cu-Au-Mt zone associated with the Red Hills lava. This is an extensive hydrothermal alteration zone extending in excess of 5kms. If there is a genetic relationship between this potential footwall alteration zone, the other prospective horizons may also extend further north and south along strike. Subaerial exposure of the "Red Hills" Lava prior to Owen deposition has removed much of the prospective horizon overlying and to the east of the ridge.

Summary of Recommendations

- 1) Drill test soil anomaly over Far West Adit.
- 2) Detailed review of RH5 resource to determine if there is any potential to upgrade the resource.
- 3) Review geophysical data in the Northern Adits region and along the Au-VHMS host horizon to the north.
- 4) Determine the genetic relationship (if any) between the three mineralisation styles.

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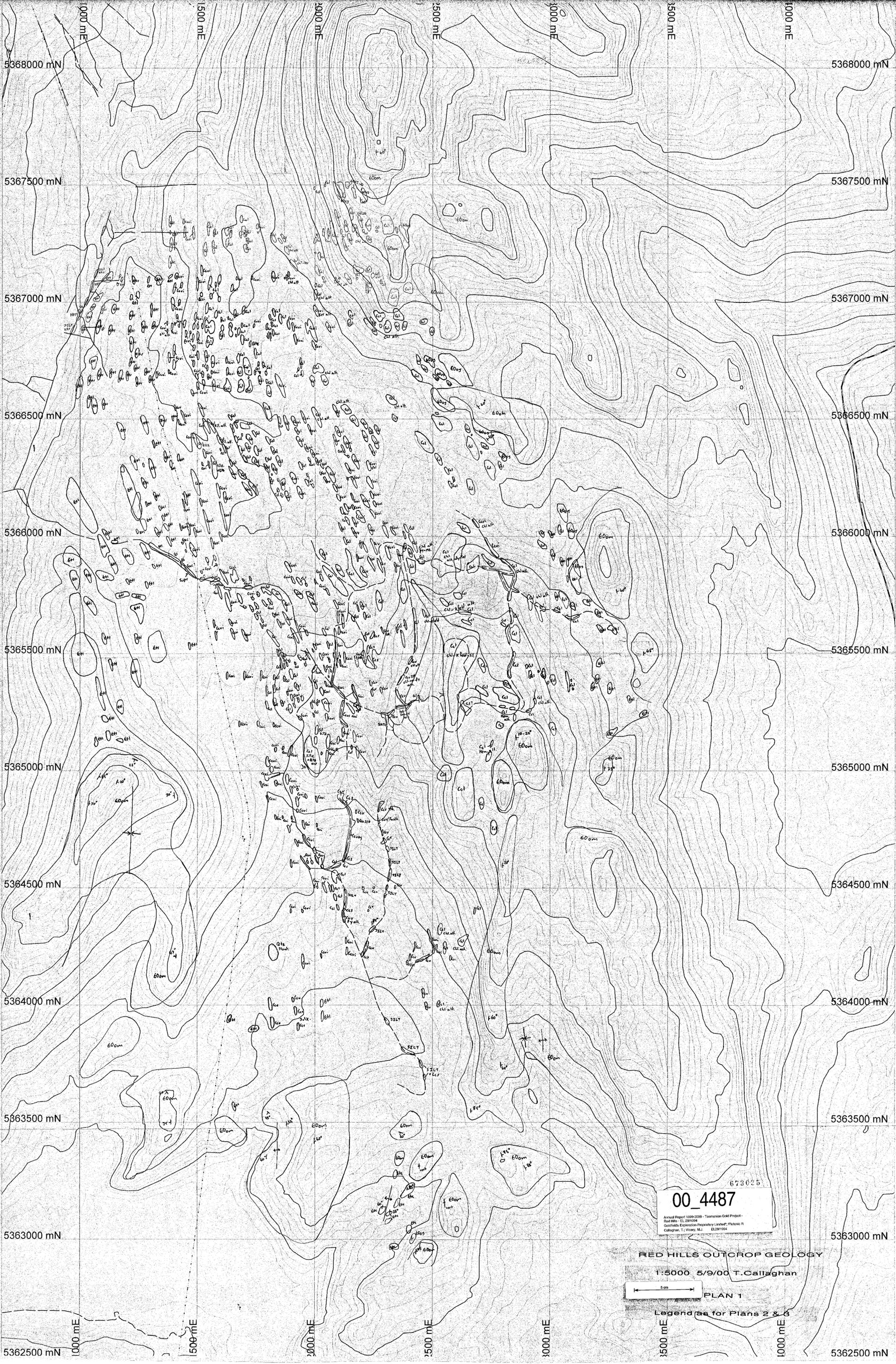
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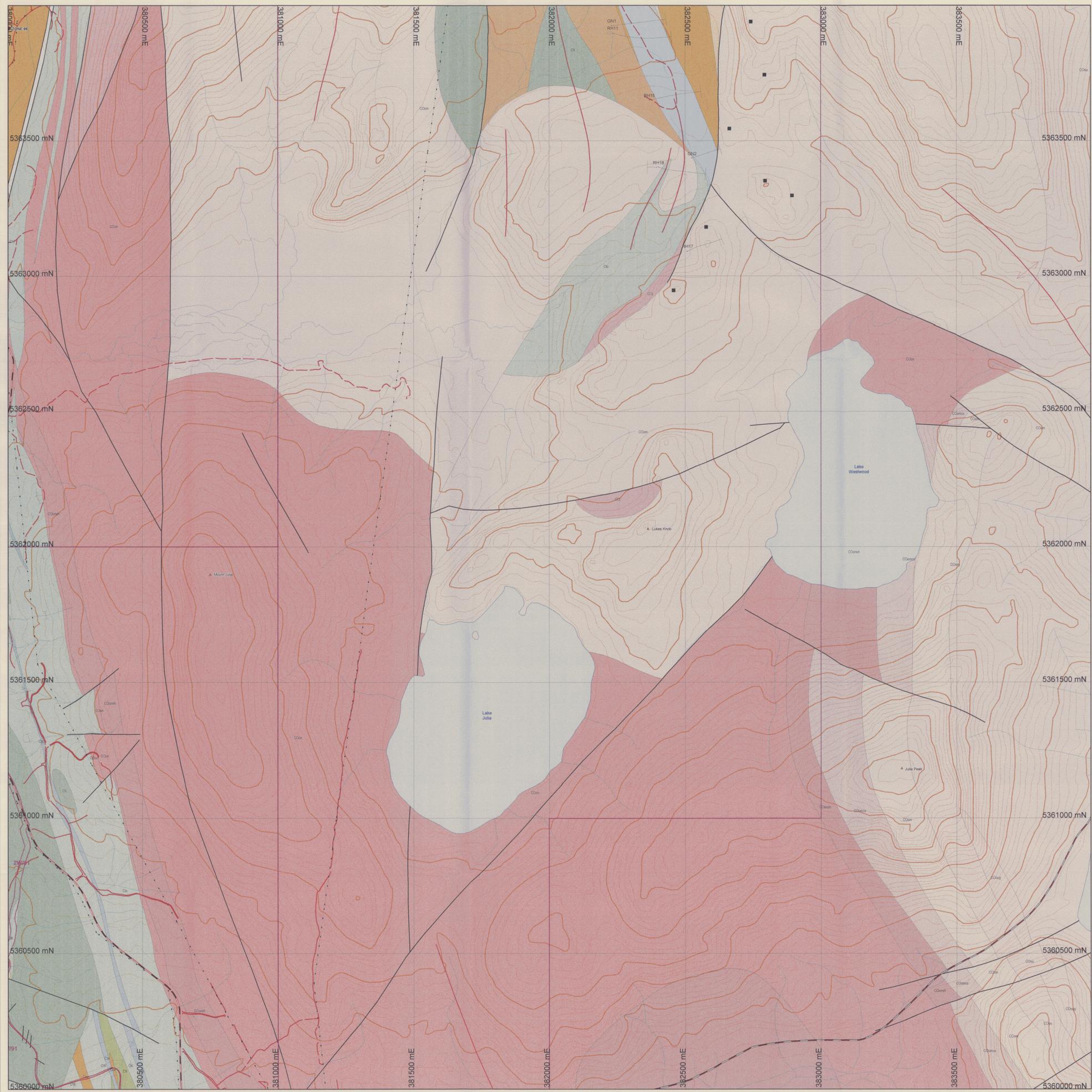
PLANS



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Field No. 52, 200104
Goldfields Exploration Property Limited, Phoenix R.
Calagahan, T., Vicary, M.J. ELO/1999

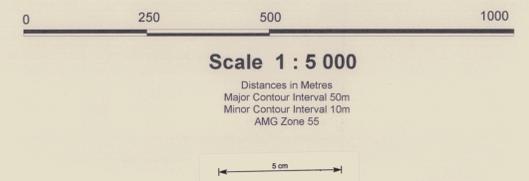
RED HILLS OUTCROP GEOLOGY
1:5000 5/9/00 T. Callaghan
PLAN 1
Legend as for Plans 2 & 3





- ### Geological Legend
- CO01 Lower Olenite in Tystall Range - Mt Marchion area. Predominantly pink sandstone and granite - pelitic conglomerate, includes granite - pelitic conglomerate (CO01) & grey sandstone and conglomerate (CO02)
 - CO02 Lower Olenite in Tystall Range - Mt Marchion area. Predominantly pink sandstone and granite - pelitic conglomerate, includes granite - pelitic conglomerate (CO01) & grey sandstone and conglomerate (CO02)
 - CO03 Many pink to cream coloured, thickly bedded pelitic-siltstone to siltstone boulder conglomerate. Includes a base unit of interbedded conglomerate & sandstone (CO03)
 - CO04 Many pink to cream coloured, thickly bedded pelitic-siltstone to siltstone boulder conglomerate. Includes a base unit of interbedded conglomerate & sandstone (CO03)
 - CO05 Many thickly bedded quartzitic sandstone & pebbly sandstone with bands of pelitic conglomerate - Newton Creek Sandstone
 - CO06 Many thickly bedded siltstone, quartzitic sandstone & pebbly sandstone with bands of pelitic conglomerate - Newton Creek Sandstone
 - CO07 Many white to pale conglomerate & pebbly siltstone. Includes CO07, CO08, CO09, CO10 and CO11
 - CO08 Volcaniclastic breccia and conglomerate with minor sandstone, locally developed in contact with underlying volcanic rocks. May be partly equivalent to CO11
 - CO09 Many volcanoclastic conglomerate with minor siltstone and volcanoclastic sandstone
 - CO10 Bedded sandstone - siltstone units
 - CO11 Quartzite - phyllonitic
 - CO12 Many quartzite - rich volcanic sandstone (partly felsic) - Contains Tuff and concretion
 - CO13 Quartzite - rich volcanic sandstone (felsic) (partly felsic), also rich bases with minor silt, sandstone & limestone. Limestone Tuff & concretion
 - CO14 Siltstone - quartzite
 - CO15 Many felsic felsic phyllonitic base and siltstone, response to flow laminated or subhorizontal, with rare columnar jointing
 - CO16 Many felsic felsic phyllonitic base & intrusive massive to flow laminated or subhorizontal, with rare columnar jointing
 - CO17 Links of bedded siltstone, sandstone, tuff & conglomerate
 - CO18 Many felsic pyroclastic rocks, dominantly felsic phyllonitic, including porphyry bearing tuff & breccia, crystal tuff, tuff, tuff & minor shale & sandstone
 - CO19 Felsic-bearing siltstone tuff of igneous type. Some block & ash flow units shown (CO19)
 - CH Siltstone, sandstone & greywacke

- Geological boundary, accurate
- Geological boundary, inferred
- Fault Nature
- Fault, position accurate
- Inferred Fault
- Concealed Fault
- Major Mine site
- Minor Deposit
- Abandoned Mine
- Prospect
- Mineral Occurrence
- Ball or populated area
- Homestead (Pastoral)
- Building
- Railway Station
- Beacon, Lighthouse
- Apert or Archway
- Bridge
- Road Tunnel
- Monument, Obelisk, Cross
- Landmark Object
- Named Relief Feature
- Mountain or mountain range
- Peak
- Cliff, Escarpment, Breakaway
- Spur, Spur line
- Rock
- Pillar
- Valley
- Gully, Gop
- Cave, Cavern
- Island
- Swamp
- Island
- Dam
- Spring
- Pool
- Field
- Point, Head, Waterhole, Pool
- Swamp
- Island
- Highway
- Secondary Road
- Minor Road
- Watercourse
- Runway
- Landing Ground
- Pierwharf
- Contour line
- Watercourse
- Perennial Lake



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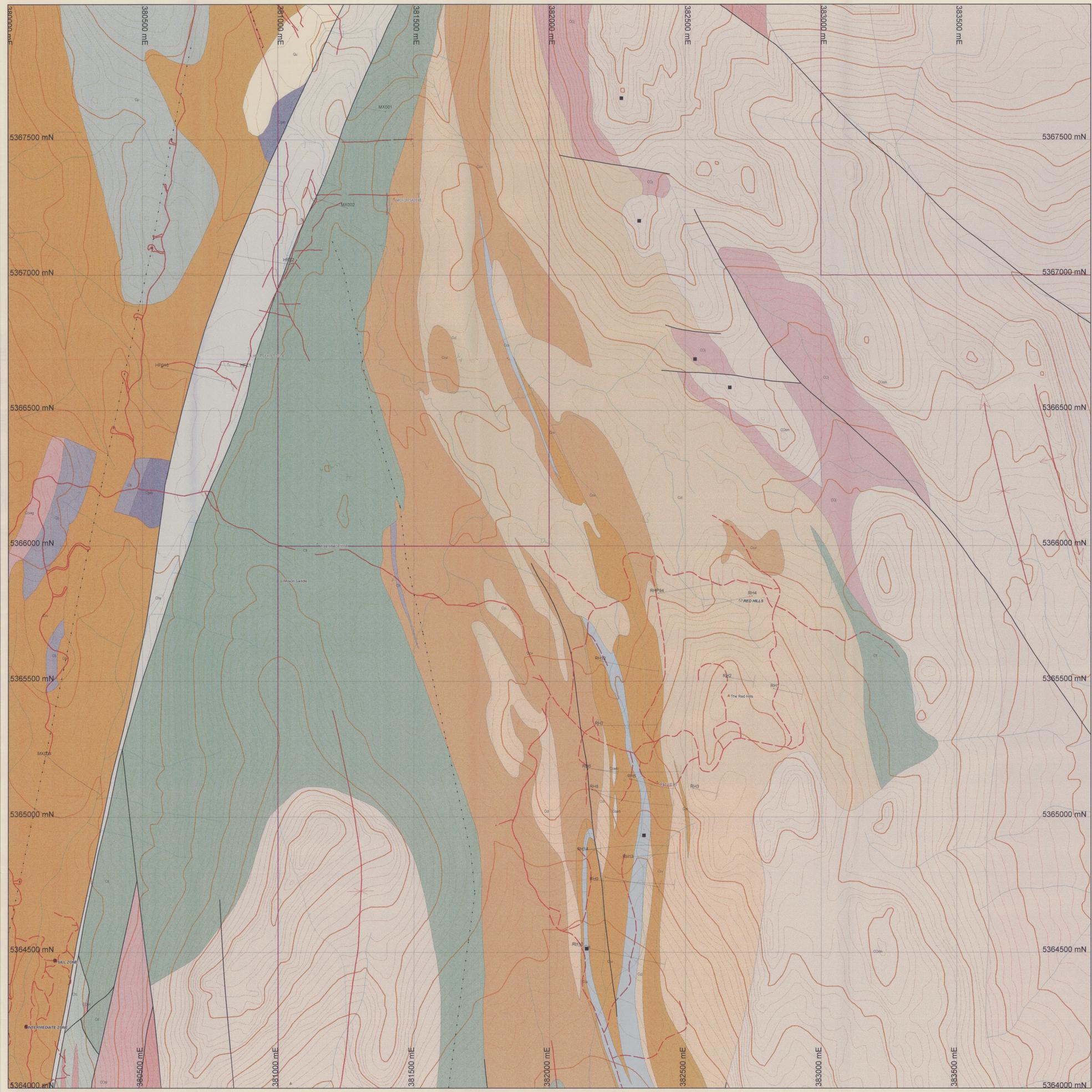
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| Copper Knob 55 | Mount Read 34 | Sandra 3 |
| Moore Pimple 54 | Henry 33 | The Ridge Hills 12 |
| White Spur 53 | Mount Julia 32 | Lake Westwood 66 |
| Howards Road 52 | Anthony 31 | Mount Tyndal 10 |


Mt Read Volcanics Belt
Tasmania
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Lake Westwood
GEOLOGICAL INTERPRETATION

Annual Report 1999-2000 - Tasmanian Gold Project -
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 Goldfields Exploration Proprietary Limited, Plutonics R
 Collinghan, T., Vicary, M.J. EL291994

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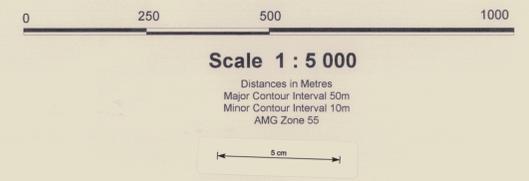
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Plan 2



Geological Legend

- C01 Undifferentiated Quaternary sediments
- C02 Upper Oleni considered in Tynhill Range, Mt Murchison area. Petrologically pink sandstone & granite - pebble conglomerate, includes gneiss - pebble conglomerate (C02a) & grey sandstone and conglomerate (C02b)
- C03 Mainly pink to orange coloured, blocky bedded pebbles visible to visible boulder conglomerate. Includes a lower unit of interbedded conglomerate & sandstone (C03a)
- C04 Mainly finely bedded quartzite sandstone & pebbly sandstone with bands of pebbly conglomerate - Newton Creek Sandstone
- C05 Mainly white to pale conglomerate & pebbly sandstone. Includes - C05a, C05b, C05c, C05d and C05e
- C06 Volcaniclastic basalt and conglomerate with minor sandstone, locally developed at contact with underlying volcanic rocks. May be partly equivalent to C01
- C07 Mainly volcaniclastic conglomerate with minor siltstone and volcaniclastic sandstone
- C08 Quartzite/porphyry phyllite
- C09 Gneiss
- C10 Mainly fine to medium grained, locally developed at contact with underlying volcanic rocks. May be partly equivalent to C01
- C11 Mainly fine to medium grained, locally developed at contact with underlying volcanic rocks. May be partly equivalent to C01
- C12 Mainly fine to medium grained, locally developed at contact with underlying volcanic rocks. May be partly equivalent to C01
- C13 Mainly fine to medium grained, locally developed at contact with underlying volcanic rocks. May be partly equivalent to C01
- C14 Mainly fine to medium grained, locally developed at contact with underlying volcanic rocks. May be partly equivalent to C01
- C15 Mainly fine to medium grained, locally developed at contact with underlying volcanic rocks. May be partly equivalent to C01
- C16 Mainly fine to medium grained, locally developed at contact with underlying volcanic rocks. May be partly equivalent to C01

- Geological boundary, accurate
- Geological boundary, inferred
- Fault, active
- Fault, position accurate
- Fault, inferred
- Fault, concealed
- Major Mine site
- Mineral Deposit
- Abandoned Mine site
- Prospect
- Mineral Occurrence
- Built up populated area
- Homestead (Pastoral)
- Building
- Railway Station
- Beacon, Lighthouse
- Airport or Airfield
- Bridge
- Road tunnel
- Monument, Obelisk, Cross
- Landmark Object
- Normal Fault Feature
- Mountain or mountain range
- Pass
- Cliff Escarpment, Breakway
- Sand Ridge or Sand Dunes
- Airport or Airfield
- Rock
- Pillar
- Valley
- Gully Gap
- Cave, Cavern
- Island
- Pier
- Fuel Tank, Waterhole, Roadblock
- Swamp
- Star, Star line
- Waterfall
- Dam
- Spring
- Fort
- Mine Hoisting Pier, Post
- Highway
- Secondary Road
- Minor Road
- Vehicle Track
- Runway
- Landing Ground
- Pipeline
- Contour line
- Watercourse
- Permanent Lake



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GOLDFIELDS EXPLORATION
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Mt Read Volcanics Belt Tasmania

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SHEET 67 Moxon Peak

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GEOLOGICAL INTERPRETATION

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Goldfields Exploration Proprietary Limited, Plutonic R
Cullaghan, T., Vicary, M.J. EL201804

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Plan 3

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Review of Exploration in the Red Hills Area -
EL29/1994
Goldfields Exploration Proprietary Limited; RGC Explor
Gregory, D. EL29/1994

APPENDIX 1

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Review of Previous Exploration

in the

Red Hills area

D Gregory, 1996

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RGC EXPLORATION PTY. LTD.
TASMANIA

PROJECT GENERATION

REPORT

Review of Exploration in the Red Hills Area

David Gregory
Geologist

August 1996

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Review of Exploration in the Red Hills Area -
EL29/1994
Goldfields Exploration Proprietary Limited; RGC Explor
Gregory, D. EL29/1994

SUMMARY

Red Hills is an exposed area of Cambrian volcanics within the mineralised Mt Read Volcanic Belt of Western Tasmania. It is 2.3km NE of the Henty Gold Mine. The Cambrian volcanics are represented by a wedge of quartz-feldspar phyric Tyndall Group rocks. The Tyndall Group abuts westerly dipping feldspar-phyric CVC rocks to the west at the Henty Fault and to the East by another major fault, possibly the Great Lyell Fault. The Tyndall Group is interpreted to represent a fault bound syncline, expressed by overlying late Cambrian - lower Ordovician Owen Conglomerate which forms a major topographic feature the Gooseneck Syncline. The Tyndall Group pinches out to the north where the eastern fault merges with the Henty Fault and disappears to the south under Owen Conglomerate moraine.

A number of small copper workings within the eastern CVC were worked during the early 1900's. During the late 1950's to 1976 most of the exploration targeted low grade disseminated or high grade massive copper mineralisation within the eastern CVC rocks (Red Hills Rhyolite). Continued exploration up until present focused on the overlying volcanoclastic / shale sequence. Exploration focussed on base metals after a discovery drill intersection of massive sulphides assayed 2.8m @ 34.5% Zn, 11.4% Pb, 250ppm Ag and 6.5g/t Au. Numerous drillholes and geophysical work failed to discover a massive sulphide body, however, exploration did discover gold mineralisation, a Inferred Resource of one million tonnes at 2g/t Au.

Project generation at Red Hills prospect was initiated from the known Gold Resource and it's proximity to Henty Mine. It is suggested that the eastern CVC has been adequately explored and there is little potential for either more gold or a base metal resource. However, previous exploration did not target the eastern faulted contact between Tyndall Group and CVC for possible gold mineralisation as seen at Henty. Henty occurs at the base of Tyndall Group at the footwall contact with the Henty Fault. If Henty is a shallow water VHMS deposit then there is a possibility that the same stratigraphic horizon occurs on the eastern limb of the Gooseneck syncline. If Henty is Devonian remobilised gold then there is potential for gold within the CVC to have been remobilised during deformation to favourable sites adjacent to the eastern fault. Based on these conclusions it is recommended that Plutonic Resources Ltd, the current operator of the lease, be approached with a joint venture offer.

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| Appendix 1. Detailed Exploration History of Red Hills | |
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1. INTRODUCTION

Red Hills is an area of CVC rocks faulted against Tyndall Group rocks approximately 2.3km NE of Henty Gold Mine in the Mt Read Volcanic Belt. There is known gold and base metal mineralisation within the CVC rocks and possibly potential for massive sulphides, disseminated copper and Henty style mineralisation.

2. GEOLOGY

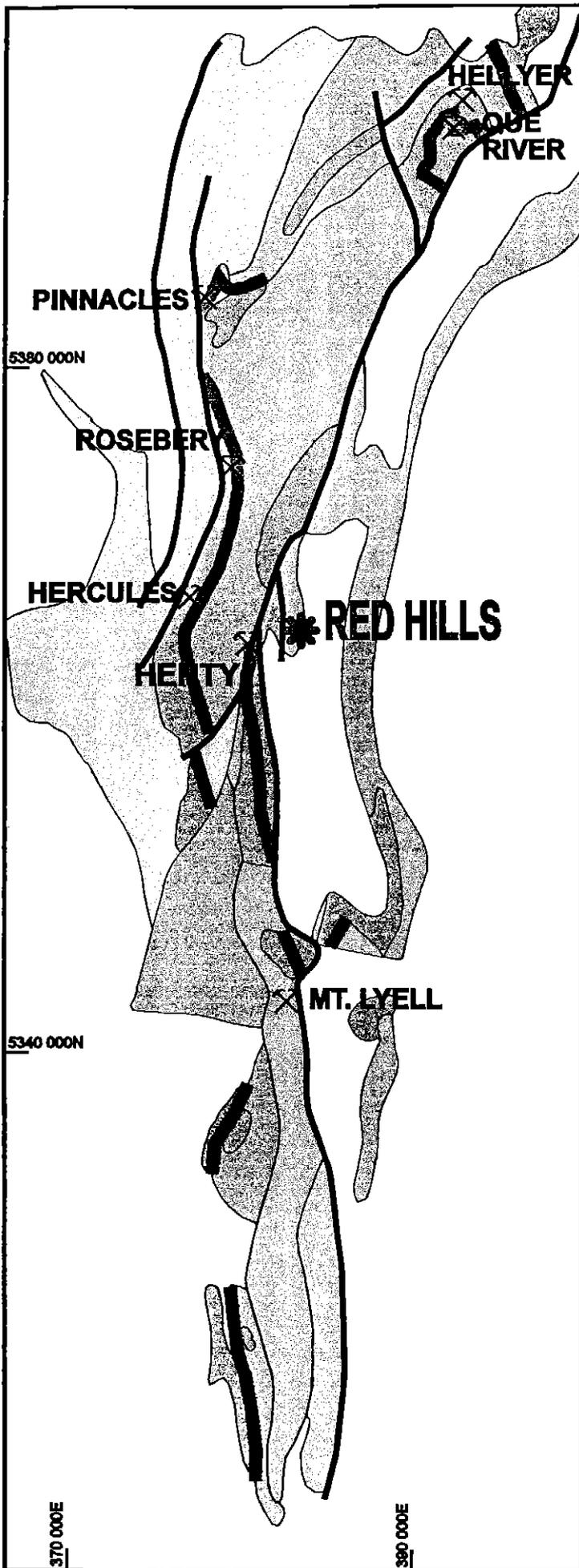
The Red Hills Prospect occurs within the Mt Read Volcanic Belt (Fig. 1). The regional geology and stratigraphy is best described by Corbett et-al (1989). The Mt Read Volcanics form an arcuate belt of felsic, intermediate and minor mafic volcanics which extend from Elliot Bay in the south to Sheffield in the north. The volcanics overlap the margins of Tyennan Pre-Cambrian block to the east and interfinger with Cambrian sediments to the West. The belt is bisected longitudinally by the major NNE trending Henty Fault. North-west of the Henty Fault the earliest sequence of volcanics, mainly feldspar-phyric lavas and ignimbrites, the Central Volcanic Complex (CVC), is overlain by a volcano-sedimentary sequence known as the Dundas Group. The Rosebery and Hercules massive sulphide deposits are contained within the pyroclastic-rich sequence of the basal part of the CVC. To the east and south of the Henty Fault the CVC is dominated by feldspar-phyric lavas and pyroclastics and contains the copper rich Mt Lyell orebodies. To the west the CVC is flanked by a volcano-sedimentary sequence the "Western Sequence". Overlying the CVC and in part the Western Sequence is a volcanic sequence consisting of quartz-feldspar phyric lavas, pyroclastics and locally abundant volcanoclastic conglomerates, the Tyndall Group. The Cambrian volcanics were in part overlain by upper Cambrian-lower Ordovician siliciclastic sequence of the Owen Conglomerate.

The Red Hills area consists of a wide belt of near north-south striking Cambrian Mt Read Volcanics exposed in an eroded window throughout the overlying Owen Conglomerate (Fig. 1). It is a fault bound wedge of Tyndall Group volcanics which abut CVC rocks to the east and west. To the north the western fault (Henty Fault) continues north and the eastern fault pinches out Tyndall Group rocks where it merges with the Henty Fault. In the south the CVC rocks are covered by Owen Conglomerate and associated moraine.

Locally the Red Hills prospect stratigraphy is dominated by an elongate lens of rhyolitic to rhyodacitic feldspar phyric lava, typical of the central volcanic complex (CVC) and referred to as the Red Hills rhyolite dome (Plan 1). It has previously been described as a Darwin Type rhyolite (Corbett, 1975). The rhyolite is typically a brecciated fine grained acid volcanic, haematite, magnetite, chalcopryrite, quartz and chlorite are present throughout. Flow banding and brecciation visible near the south west contact is tight with interlocking angular fragments. The dome is unconformably overlain to the east by correlates of the Middle Owen Conglomerate, with lenses of Jukes Breccia at its base. A

673045

WESTERN MOUNT READ VOLCANICS REGIONAL GEOLOGY



-  TYNDALL GROUP
-  ANDESITES
-  YOLANDE RIVER SEQUENCE / DUNDAS GROUP
-  CENTRAL VOLCANIC COMPLEX
-  OTHER ROCKS
-  MAJOR CAMBRIAN FAULTS
-  EXHALITE HORIZONS

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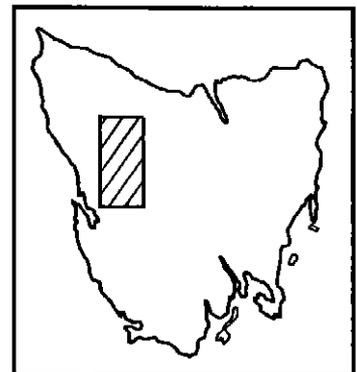


FIG. 1

lens of quartz porphyry occurs within the Red Hills rhyolite. Corbett (1975) observed an apparently gradational contact between the quartz porphyry and the rhyolite and suggested that the porphyry may be a variant of the rhyolite rather than an intrusive body related to the Comstock Formation porphyries.

Conformably overlying the Red Hills rhyolite dome to the west is a mixed sequence, consisting of lavas, volcanoclastics / pyroclastics? and sedimentary units. This sequence consists of predominantly lavas in the north, pyroclastics in the south and a zone in-between of flow brecciated lavas or agglomerates, occasionally showing pyroclastic features. The lavas to the north are massive, occasionally flow banded and brecciated; good continuity is visible across strike but correlation along strike is very difficult. Pyroclastics in the south, best seen in drill holes GN1 and GN2, have been described as ignimbritic crystal tuffs. Within the mixed sequence two black shale units interbedded with fine-grained volcanoclastics. Bedding within the shales strikes approximately north-south and dips and faces steeply west (75 - 80 deg.). The shales widen considerably southwards into the Gooseneck area and previous drilling suggests that they wedge out at depth. The mixed sequence extends southward towards lake Westwood through a narrow corridor in the Owen Conglomerate, but is covered by moraine.

The Tyndall Group consists of a quartz porphyry lava/ intrusive body with characteristically large clear phenocrysts up to 5 mm in diameter. Flow banding is common with rare flow differentiation into centimeter bands of quartz-rich and quartz-poor material. The Tyndall Group is fault bound to the west and east by the near north-south striking Henty Fault and possibly the Great Lyell Fault. To the east, the Tyndall Group is represented by volcanoclastic breccias (Jukes Breccia) which unconformably overlie CVC volcanics.

In places the Owen Conglomerate conformably overlies CVC rocks. Flat lying Owen Conglomerate directly overlies felsic volcanics on the eastern wall of the Red Hills - Gooseneck zone. On the western margin an eroded synclinal outlier of Owen Conglomerate unconformably overlies Tyndall Group volcanics, the Gooseneck syncline.

The less competent volcanoclastics are in general highly sheared and chloritised, whereas the felsic lavas have responded less to deformation and are less chloritised. The lavas and intrusives yield little structural information and although the areal distribution of the rock types is well known, the structure is at best conjecture.

3. PREVIOUS EXPLORATION

HISTORY

Mineral leases were first taken up in the area in 1891. Several companies were formed to work the small copper shows (Adits 1N,2N,1E,2E,3E.1W 2W) within the Red Hills Lava (Plan 1). All mineral rights to the area were acquired by the Mount Lyell Mining and Railway CO in 1905. They lengthened two of the existing adits and developed other small shows. By 1908 mining activity had ceased.

1957 - 59 Rio Tinto / EZ JV

Rio Tinto and EZ carried out ground E.M., magnetic and gravimetric surveys outlining a 1500m long anomalous zone (Plan 2). Three holes GN1, GN2 (RTAE) and RHP95 (EZ) were drilled in this zone and intersected black shales carrying syngenetic pyrite and pyrrhotite. The black shales were considered sufficient to explain the anomalies. RHP 94 was drilled within the Red Hills Lava, no significant base metals were discovered (Table 1).

1966 - 1976 Mt Lyell Mining and Railway CO.

Between 1966 and 1976, most of the exploration focussed on the potential for Cu mineralisation either as a large low grade disseminated deposit or as a series of shoots of massive Cu mineralisation hosted within the Red Hills lava. During this period it was also recognised that there was potential for the overlying volcanoclastic / shale units to host Rosebery type massive sulphides.

Geological mapping, sampling and numerous geophysical techniques located several anomalies, however most were explained by the presence of magnetite and pyrrhotite, and high background base metal contents in the black shales (Table 2). Two IP anomalies were considered to be a response from higher grade mineralisation, A1 occurring in the Red Hills Lava and A5 occurring coincident with the black shale unit (Plan 2).

The copper potential of the Red Hills lava was tested by 26 shallow percussion drillholes (best intersection 30ft @ 0.49%) and 4 DDH's (RH1-4). These failed to intersect significant Cu mineralisation (Table 1, 3).

A small IP / resistivity anomaly on the eastern side of the Gooseneck remained untested. It was suggested that this may be the western limb of the syncline which hosts the Henty horizon. It still remains untested (Plan 2).

Table 1. Summary Of Significant Intersections In Red Hills Diamond Drill Holes

| Drillhole | Intersection (m) | Results (ppm) | Lithology | Year | Company |
|-----------------|---|---|--|-------------------|----------------------------|
| GN1 | | No significant assays | Black Shales | 1957 - 59 | Rio Tinto / EZ |
| GN2 | | No significant assays | Black Shales | 1957 - 59 | Rio Tinto / EZ |
| RHP94 | | 2'6" @ 4000Pb, 1500Zn, 6000Cu | Black Shales | 1957 - 59 | Rio Tinto / EZ |
| RHP95 | | No Significant assays | Black Shales | 1957 - 59 | Rio Tinto / EZ |
| RH1 | | No significant assays | Red Hills Lava | 1971 - 72 | Mt Lyell |
| RH2 | 110 - 345 ft | 235' @ 400 Cu | Red Hills Lava | 1971 - 72 | Consolidated |
| RH3 | | No significant assays | Red Hills Lava | 1971 - 72 | Syndicate |
| RH4 | 49.5 - 57 249 - 252 262.5 - 270 | 7.5m @ 227 Cu, 352 Pb, 2900 Zn 3m @ 8900Cu, 101 Pb, 343 Zn 7.5m @ 2200 Cu, 53 Pb, 278 Zn | Red Hills Lava | 1976 - 77 | Mt Lyell |
| RH5 re-assay | 196 - 199 196 - 198 | 3m @ 3000Cu, 11.2% Pb, 31.8% Zn, 154g/t Ag, 5.8g/t Au 2m @ 3200 Cu, 11.35% Pb, 34.5% Zn, 250g/tAg, 6.55g/t Au | Massive Sulphide | 1976 - 77 1982 | Mt Lyell / Getty Oil JV |
| RH6R | 274.5 - 297 including 276 - 280.5 285 - 292.5 306 - 309 313.5 - 328.5 including 322.7 - 328.5 357 - 361.5 | 22.5m @ 5800 Zn 4.5m @ 1.04% Zn 7.5m @ 8700 Pb, 6600 Zn 3m @ 1.62% Zn 15m @ 8100 Zn 5m @ 1.06% Zn 4.5m @ 1.05% Zn | Welded Ignimbrites Tuffaceous sediments Cg Ignimbrites Red Hills lava breccia | 1976 - 77 | Mt Lyell / Getty Oil JV |
| RH7 | 248.5 - 254.5 | 6m @ 1.87% Zn, 400 Pb, 2500 Cu, 3.2g/t Ag, < 0.2g/t Au | Contact RH lava / Ignimbrites | 1976 - 77 | Mt Lyell / Getty Oil JV |
| RH8 | 281 - 282.5 320 - 327.5 | 1.5m @ 150 Cu, 1.42% Pb, 1.7%, Zn, 9g/t Ag, 0.2g/t Au 7.5m @ 273 Cu, 1.12% Pb, 369 Zn, 2 g/t Ag | Semi-Mass. Sulphides Cg Pyroclastics | 1977 - 78 | Mt Lyell / Getty Oil JV |
| RH9 | 211.5 - 213 309.5 - 318.5 335 - 345.5 351.5 - 360.5 362 - 368 371 - 383 | 1.5m @ 55 Cu, 205 Pb, 2800 Zn, 1g/tAg 9m @ 310 ppm Cu, 3200 Pb, 1.64% Zn, 10g/t Ag 10.5m @ 336 Cu, 4000 Pb, 1.96% Zn, 3g/t Ag 9m @ 44 Cu, 166Pb, 9880 Zn, 1g/t Ag 6m @ 1700 Cu 12m @ 1300 Cu | Tuffaceous Sediments Mix. Seds. Host Rock Pyroclastics Red Hills Lava | 1977 - 78 | Mt Lyell / Getty Oil JV |
| RH10 | 379 - 379.3 | 0.3m @ 9400 Cu, 50 Pb, 180 Zn | Siliceous Sediments | 1977 - 78 | Mt Lyell / Getty Oil |
| RH11 | 119 - 180.5 including 126.5 - 129.5 140 - 144.5 165.5 - 171.5 | 61.5m @ 150 Cu, 1770 Pb, 4400 Zn 3m @ 5200 Pb, 1.96% Zn, 11g/t Ag 4.5m @ 4300 Zn 6m @ 4600 Pb, 1.49% Zn, 4g/t Ag | Shales and Tuffs | 1977 - 78 | Mt Lyell / Getty Oil JV |

Table 1 Cont.

| | | | | | |
|-------|--|---|--|------------------------|--------------------------------------|
| RH11 | 219.4 - 222.4 227 - 237.5 | 3m @ 1790 Zn 10.5m @ 2700 Zn | Black Shales | 1977 - 78 | Mt Lyell / Getty Oil JV |
| RH12 | 40 - 43 144 - 148 | 3m @ 7500 Zn 4m @ 5300 Zn, 1200 Pb, 4g/t Ag | Tuffaceous sediments Lava Breccia | 1981 - 82 | Mt Lyell / Getty Oil JV |
| RH13 | 207 - 216 215 - 218 216 - 236 | 9m @ 1.1% Zn, 1000 Pb, 4 g/t Ag, 0.3g/t Au 3m @ 3.08%Zn, 0.35%Pb, 6.5g/tAg, 0.9g/tAu 20m @ 1.4% Zn, < 1000Pb, 2g/t Ag, < 0.1 g/t Au | Silicic. Seds Host Rck | 1982 - 83 | Mt Lyell / Getty Oil JV |
| RH14R | 360.6 - 372.7 including 365.5 - 369.7 398.5 - 422 | 12.1m @ 0.9% Zn, 4000 Pb, 43g/t Ag, 1g/t Au 4.2m @ 1.29% Zn, 4700 Pb, 31g/t Ag, 2.2g/t Au 23.5m @ 6000 Zn, 1400 Pb, 0.7g/t Ag, < 0.1g/t Au | Mixed sediments Host Rock ? Fg. Pyroclastics | 1982 - 83 | Mt Lyell / Getty Oil JV |
| RH15 | 85 - 93 116 - 151.5 including 142 - 145.9 168 - 182 197 - 204 | 8m @ 3400 Pb, 6100 Zn, 4g/t Ag, <0.1g/t Au 35.5m @ 2600 Pb, 4000 Zn, 4.4g/t Ag, < 0.1g/t Au 3.9m @ 1.6% Zn, 2000 Pb, 7g/t Ag, <0.1g/t Au 20m @ 1100 Pb, 5000 Zn, 3g/t Ag, <0.1g/t Au 7m @ 1600 Pb, 4800 Zn, 11.3g/tAg, .0.1g/t Au | Black Shales Igmimbrites | 1982 - 83 | Mt Lyell / Getty Oil JV |
| RH17 | | No Significant Assays | Volcanics | 1983 - 84 | Mt Lyell / Getty Oil |
| RH18 | 231 - 236 287.6 - 299.5 including 296 - 297 | 5m @ 4160 Pb, 5125 Zn, 1.6g/tAg 12.9m @ 2800 Pb, 5750 Zn, 2g/t Ag 1m @ 0.2g/t Au, 180 As | Dacitic Lava Black Shales | 1988 - 89 1988 - 89 | Aberfoyle / CRAE Aberfoyle / CRAE |
| RH19 | | No Significant Assays | Tyndal Gp / CVC | 1988 - 89 | Aberfoyle / CRAE |

NOTE: Host rock refers to the massive sulphide intersection in hole RH5

| Table 2 | | | | RED HILLS GEOPHYSICAL SURVEYS | |
|-----------|------|----------------------------|----------------------------|--|---|
| | YEAR | SURVEY METHOD | COVERAGE | RESULTS | COMMENTS |
| | | | 1958 | | |
| E.M. | 1958 | Turam (RTAE) | 4N-78S | Strong response, apparently co-incident with graphitic shales. | |
| MAGNETICS | 1958 | Vertical field (RTAE grid) | 20S-74S | Strong responses, over parts of Red Hills rhyolitic lava complex apparently related to magnetite stockwork. Red Hills basin generally magnetic low. | * Results not evaluated by Bishop, method not diagnostic for sulphides in Red Hills Basin. |
| GRAVITY | 1958 | (RTAE) | 20S-78S (RTAE grid) | Well defined anomalies. | * Adequately tested by holes GN1, GN2 & RHP95, satisfactorily explained by density contrasts in rock types. |
| | | | 1959 | | |
| DOWN HOLE | 1959 | Specific gravity (EZ) | RHP94 & 95 | | Values used in RTAE evaluation of gravity anomaly. |
| | | | 1971 | | |
| I.P. | 1971 | Pole-dipole (CGG) | 32N-80S | Strong responses, apparently co-incident with graphitic shales. | * |
| MAGNETICS | 1971 | Vertical field (CGG) | 32N-80S | | |
| S.P. | 1971 | (CGG) | 32N-80S | No response over basin, weak response over lavas. | |
| | | | 1976 | | |
| MAGNETICS | 1976 | Total field (Mt Lyell) | 8N, 0N, 8S, 16S, 24S | | |
| | | | 1977 | | |
| I.P. | 1977 | Gradient (Scintrex) | 80S-98S | Response on 80S & 88S, probable southern continuation of black shales. | * Lack of response on lines 92S & 98S possibly because coverage not extended far enough west or glacial cover too thick or pyritic black shales terminated. |
| | | | 1978 | | |
| I.P. | 1978 | Gradient (Scintrex) | Profile over RH5 | Clear response over black shales, smaller response 100m east. | 2nd response over small occurrence dissemin. py-gr in tgd siliceous tuffs (ACW) host rock equivalent (FGF). |
| | | | 1978 | | |
| | 1978 | Gradient (Scintrex) | 16N-68N (Red Hills N grid) | Weak response along strike from main IP axis in basin south. | * Swamp covered, apparently not black shale |
| MAGNETICS | 1978 | Total field (Scintrex) | 16N-68N (Red Hills N grid) | | |
| DOWN HOLE | 1978 | IP (Scintrex) | RH5, 6R, 7, 8, 9 & 10 | Black shale responses quite variable, no IP "signature" RH5 charge/resist. response to massive sulphide (197m) & unexplained similar response at 185m. | Apart from RH5 no other survey covered zone of interest because of cave - in too high up hole. |
| | | | 1978 | | |
| | 1978 | M.M.R. (Scintrex) | RH5 | Mineralisation traced 40m north. | Test survey, not evaluated by Bishop. |
| | | | 1978 | | |
| | 1978 | Applied pot. (Scintrex) | RH5 | | Superseded by later survey. |
| | | | 1980 | | |
| GRAVITY | 1980 | (Scintrex) | 8S, 72S, 86S | Anomalies on 8S & 86S are single point values, results do not agree with RTAE on 72S. | Test surveying only on applicability of method. |
| | | | 1982 | | |
| E.M. | 1982 | Sirotem (Geoex) | 4S-40S | No response | Did not detect shales defined by Turam survey. |

| Table 2. Cont. | | | | | |
|----------------|------|--------------------------|--|--|--|
| | 1982 | Genie (Scintrex) | 4S & 29S | Weak response over py-cp-mag veins (?) in Red Hills lava | Did not detect RH5 massive sulphide or 1Nadit py-cp. |
| I.P. | 1982 | Dipole-dipole (Scintrex) | 33s | Good response over black shales, no evidence for contribution from any adjacent body. | Survey done to check (erroneous) results from applied potential survey. |
| | | | | | |
| DOWN HOLE | 1982 | Sirotem (Geox) | RH5 | No response to massive sulphide | Mineralisation not significantly conductive, probably due to high sp. content. |
| | | | 1987 | | |
| E.M. | 1987 | UTEM (Lamontagne) | 12S-38N | Failed to locate any significant conductors whether sulphide bodies or a continuation of the black shale | A conductive and magnetic alteration zone in the rhyolite on lines 12S & 6S has been found though significance is unclear |
| DOWN HOLE | 1987 | E.M.-37 (Geox) | RH5 & RH12 | RH12 no offhole conductors, RH5 mineralisation doesn't appear to extend far from hole. | |
| MAGNETICS | 1987 | Ground Mag. (CRAE) | 12S-38N | Magnetic zone co-incident with UTEM anomaly | Response probably due to magnetite and disseminated sulphides in the Red Hills rhyolite. |
| | | | 1988 | | |
| E.M. | 1988 | UTEM (Lamontagne) | RH east 84400E-83600E 85600N-84000N | No significant anomalies | A anomaly was generated by current flowing in saturated button grass on the E side of the Red Hills |
| | | | 16S-112S | Anomaly coincides with the black shale, possibly an adjacent conductive body? | Response due to black shales. |
| DOWN HOLE | 1988 | E.M.-37, Sirotem (Geox) | RH5 & RH12 | No offhole conductors to the east of RH5, RH12 | A comparison of E.M. methods recommends E.M.-37 over Sirotem as it produces higher quality data and does not suffer from Sirotem probe self response problems. |
| | | | 1989 | | |
| DOWN HOLE | 1989 | E.M.-37, Sirotem (Geox) | RH18 | Offhole conductors adequately explained by black shale units | |

Table 3 Red Hills Percussion Drilling Results

| HOLE NO. | DEPTH | FOOTAGE | SIGNIFICANT ASSAYS |
|----------|-------|----------|--------------------|
| 1A | 15' | 5 - 15' | 10' @ 0.14% Cu |
| 1B | 40' | 10 - 40' | 30' @ 0.49% Cu |
| 1C | 50' | 0 - 35' | 35' @ .21% Cu |
| 2 | 40' | 30 - 35' | 5' @ 0.5% Cu |
| 3 | 30' | | Not Significant |
| 6 | 10' | 0 - 90' | 90' @ 0.27% Cu |
| 7 | 90' | | Not Significant |
| 9 | 30' | | Not Significant |
| 10 | 50' | | Not Significant |
| 11 | 40' | | Not Significant |
| 15 | 25' | | Not Significant |
| 23 | 25' | 10 - 35' | 25' @ 0.12% Zn |
| 24 | 35' | | Not Significant |
| 25 | 80' | | Not Significant |
| 26 | 60' | | Not Significant |
| 27 | 20' | | Not Significant |
| 30 | 90' | | Not Significant |
| 32 | 35' | | Not Significant |
| 38 | 15' | | Not Significant |
| 39 | 30' | | Not Significant |
| 39Y | 60' | | Not Significant |
| 51 | 20' | | Not Significant |
| 52 | 5' | | Not Significant |
| 53 | 5' | | Not Significant |
| 54 | 15' | 0 - 10' | 10' @ 0.20% Cu |
| 56 | 15' | | Not Significant |

TABLE 4

RED HILLS GOLD MINERALISATION

| Hole | Interval | Thickness | Cu% | Pb% | Zn% | Ag g/t | Au g/t | Lithology-position |
|-------|---------------|-----------|------|------|------|--------|--------|----------------------------------|
| RH5 | 196 - 198.8 | 2.8 | 0.3 | 11.4 | 34.5 | 250 | 6.5 | massive sulphide |
| | 196 - 200 | 4 | 0.4 | 8.5 | 26 | 198 | 5 | massive sulphide + top host rock |
| RH6R | 306 - 309 | 3 | <0.1 | 0.1 | 1.6 | 3 | 0.7 | ignimbrite above host rock |
| RH8 | 321.5 - 326 | 4.5 | <0.1 | 0.1 | 1.5 | 2 | 3.6 | ignimbrite below host rock |
| | 320 - 327.5 | 7.5 | <0.1 | <0.1 | 1.1 | 2 | 2.3 | base host rock + ignimbrite |
| RH13 | 215 - 218 | 3 | <0.1 | 0.4 | 3.1 | 7 | 0.9 | base host rock + ignimbrite |
| RH14R | 365.5 - 369.7 | 4.2 | <0.1 | 0.5 | 1.3 | 31 | 2.2 | host rock |
| | 362 - 369.7 | 7.3 | <0.1 | 0.5 | 1.2 | 30 | 1.5 | host rock |

Note: Thickness = true width

1976 - 1985 Goldfields Exploration / Getty Oil JV

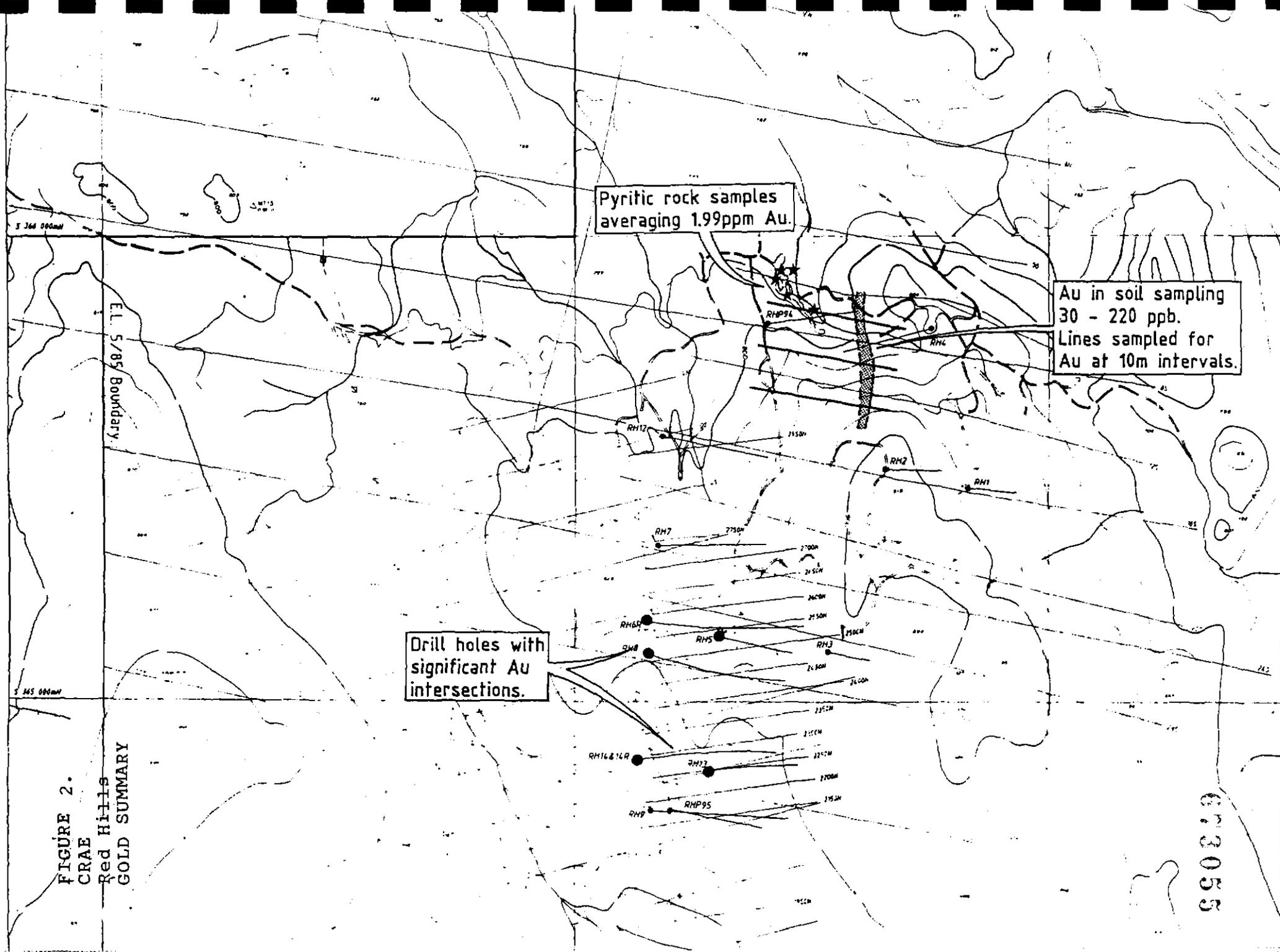
Exploration during this period focussed on detailing of the IP anomalies(A1, A5) by geophysical, geological and sampling methods. Three zones of interest were targeted , the northern extensions of the A1 and A5 anomalies and the southern extension of the A5 anomaly (Plan 2).

RH4 drilled within the Red Hills lava returned encouraging results (3m @ 8900ppm Cu) but highlighted the patchy nature of the mineralisation and it was considered unlikely that sufficient ore grade existed (Table 1).

Drilling of the A5 anomaly by DDH RH5 intersected a 2.8m of banded massive sulphides (34.5% Zn, 11.4% Pb, 250ppm Ag and 6.5g/t Au) hosted by a fine volcanoclastic unit between shale and the Red Hills Lava. This resulted in numerous geophysical and sampling techniques to try and locate the surface expression of the mineralised horizon, and drilling of 12 more diamond holes along strike (RH6R - RH17). Additional drilling only intersected disseminated mineralisation associated with the host horizon and syngenetic mineralisation associated with the black shale unit (Table 1). Observations of the drillcore showed the sulphides had replacement textures and footwall volcanoclastics contained clasts of massive sulphides suggesting mineralisation was syngenetic within a moderate energy basin. Therefore it is most likely that RH5 mineralisation was a small separate pod possibly developed at the sediment - water interface during a short period of quiescence.

Alteration mapping by C.J.Eastoe located a zone of intense chloritisation and silicification in the north near the 1N adit (Plan 3). He interpreted the chlorite alteration zone to represent a pipe with a siliceous cap and suggested that the intersection of the chlorite pipe with the siliceous zone would be a promising area for further stratiform mineralisation. RH12 was drilled to test this idea and it was found that the sedimentary character of the basin had been lost and chalcedonic quartz on the margins of lava breccias suggested sinter deposits. It was later interpreted that the silicification and chloritisation zone probably represented the products of a hydrothermal spring system on the basin margin.

The gold potential of the RH5 mineralised zone came about by re-logging and re-assaying of nearby holes. This delineated a zone of significant gold mineralisation with an Inferred Resource of one million tonnes at 2g/tAu with 1.3% Pb, 4.6% Zn, 37g/t Ag (Table 4, Plan 4). RH16 was designed to test the depth extensions of the gold zone. Assays were disappointing, indicating a patchy and generally low grade nature. Goldfields concluded that both gold and base metal mineralised zones were subeconomic.



Pyritic rock samples
averaging 1.99ppm Au.

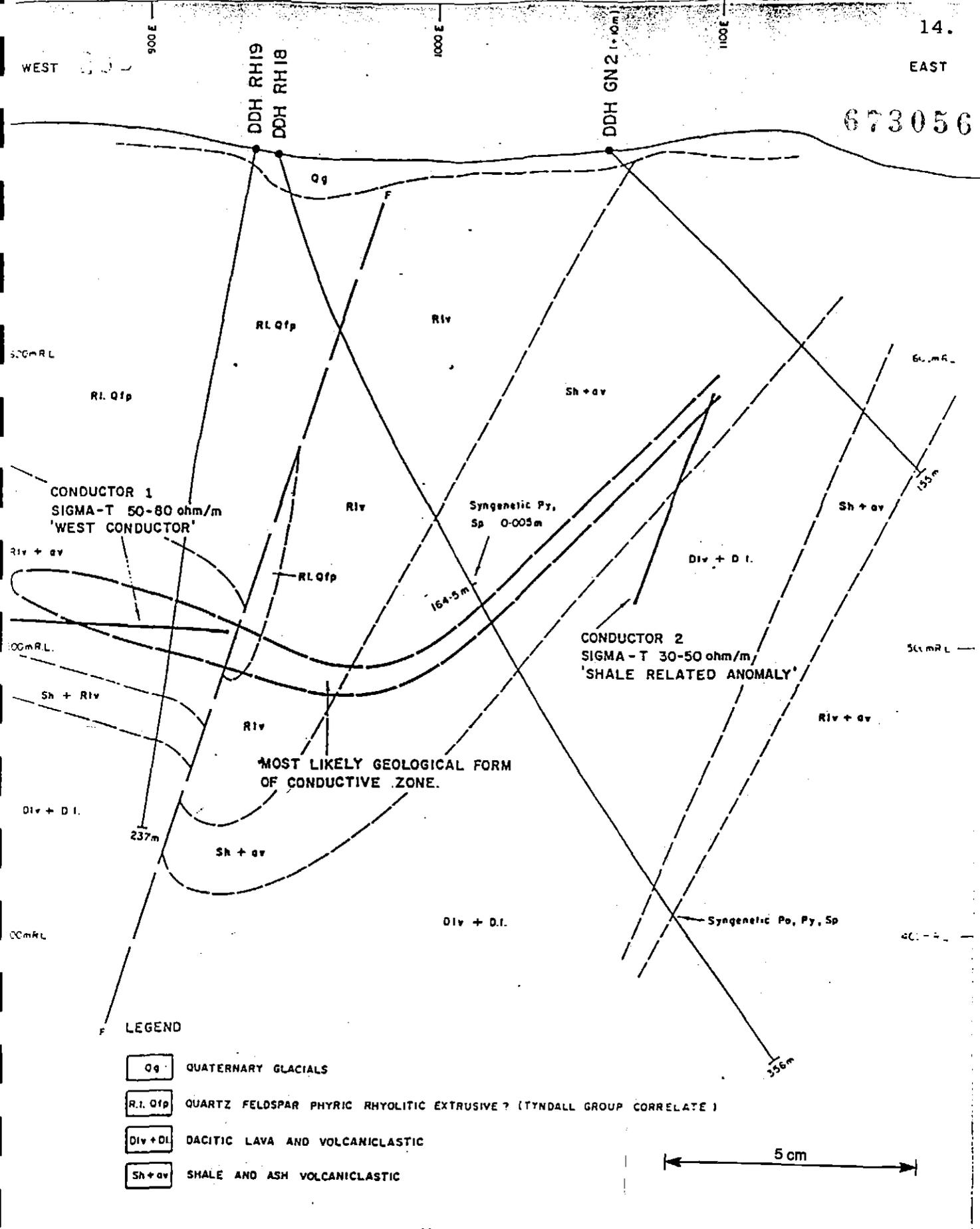
Au in soil sampling
30 - 220 ppb.
Lines sampled for
Au at 10m intervals.

Drill holes with
significant Au
intersections.

FIGURE 2.
CRAE
Red Hills
GOLD SUMMARY

673055

673056



LEGEND

- Qg QUATERNARY GLACIALS
- R.L. Qfp QUARTZ FELDSPAR PHYRIC RHYOLITIC EXTRUSIVE? (TYNDALL GROUP CORRELATE)
- Div + D.I. DACITIC LAVA AND VOLCANICLASTIC
- Sh + av SHALE AND ASH VOLCANICLASTIC

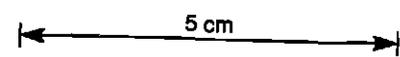


FIGURE 3.

| | | | |
|---|----------------------------|----------------------------|--|
| Aberfoyle Resources Limited | | | |
| EXPLORATION DIVISION | | | |
| NORTH WEST TASMANIA | | Computed JRR, M.P., G.C.N. | |
| LAKE MARGARET E.L. - RED HILLS PROSPECT | | Drawn | |
| SECTION 84 S | | Traced JMS | |
| INTERPRETATION OF DHEM DATA DDH - RH 18 | | Checked | |
| INTERPRETATION OF SURFACE Em 37 DATA | | Printed | |
| Location Code - | Scale - 1:1250 (A4) 1:2500 | Date - December 1989 | |

900E

1985 to 1988 CRAE

During this period, CRAE continued exploration by extensive rock chip sampling of three target lithologies for gold mineralisation. These were the main black shale horizon in the hangingwall of the host horizon; the siliceous alteration zone and the chlorite alteration pipe in the footwall of the host horizon. Sampling returned disappointing results except over the Red Hills lava near the 1N adit where outcrop samples, four grab and one channel sample returned an average of 2g/t Au (Fig. 2).

Re-sampled Goldfields core was assayed for Au in the hope of identifying a previously overlooked zone of gold mineralisation. Results were disappointing.

A UTEM survey conducted over the Red Hills north area failed to locate any significant conductors. DHEM of drillholes RH12 and RH5 failed to detect any offhole conductors.

1989 - 1993 Aberfoyle / CRAE JV

Review of CRAE's DHEM data indicated a target at depth below RH12 and RH5.

Re-surveying with DHEM indicated that this was not due to a conductive body and was the likely result of a field operational error.

UTEM surveys were completed in the southern Red Hills basin, and to the East of the Red Hills lava targeting a possible repetition of the host horizon under cover. Red Hills east failed to locate any significant anomalies. An anomaly was however picked up in the south under Owen Conglomerate Scree and the Mt Lyell Grid was extended to the south.

RH18 was drilled to test the UTEM anomaly. Assays were disappointing intersecting disseminated base metal mineralisation associated with black shales. DHEM from RH18 indicated a flat lying conductor below and west of RH18 (Fig. 3).

RH19 was drilled to test the DHEM anomaly detected in RH18. A black shale dominated unit intersected was considered to adequately explain the DHEM response.

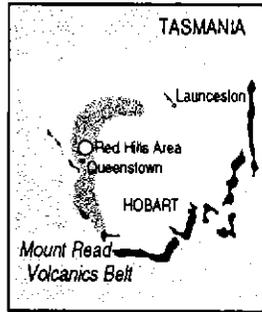
No further geophysical or geological targets were identified in the Red Hills area and as a result no further work was recommended.

A more detailed exploration history is listed in appendix 1.

4. MINERALISATION

Exploration has focussed on two styles of mineralisation within the CVC rocks;

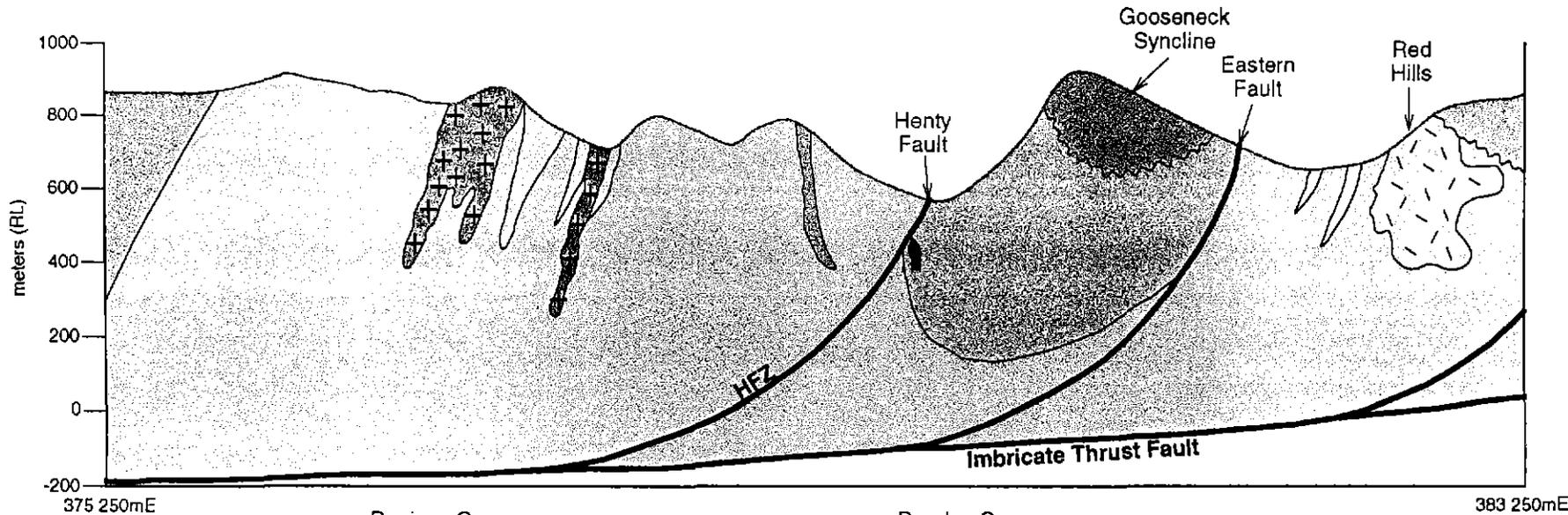
- 1) large tonnage low grade disseminated mineralisation and massive Cu rich lodes, in the Red Hills rhyolite dome and;
- 2) Rosebery type massive sulphides in the overlying volcanoclastics and sediments.



RGC Exploration

**SCHEMATIC CROSS SECTION
- SECTION 5364 500mN**

0 1 2Km



Denison Group

Owen Conglomerate

Tyndall Group

Quartz-feldspar phyrlic lava

Central Volcanic Complex

Red Hills lava

Felsic pyroclastics

Shales

Dundas Group

Sediments

Intrusive Rocks

Basaltic-Andesitic lava

Feldspar-quartz porphyry

Henty Mineralisation

5 cm

613038

FIG. 4
redchem.dgn

Mineralisation in the Red Hills rhyolite consists of disseminated pyrite, magnetite, haematite, minor chalcopyrite, with massive pyrite-chalcopyrite veins associated with quartz-carbonate veining in chloritised alteration zones. Minor gold has also been associated with these zones.

Within the overlying mixed volcanics (pyroclastics?)/ sediments mineralisation consists of rare pods of massive sulphides, disseminated and semi massive sulphides associated with what has been termed the host horizon, described as a vitric ash or tuffaceous argillite. Mineralisation in volcanoclastics footwall to the host horizon consists of disseminated galena-sphalerite-pyrite and semi-massive sulphide veins. Petrographic work suggest that most of the mineralisation within the volcanoclastics is later replacement of the fine grained vitric matrix. Some lithic clasts within the coarser volcanoclastics are mineralised indicating at least some pre-existing sulphides. Minor mineralisation was also noted around the margins of deformed pumice clasts. Hangingwall black shale units contain disseminated syngenetic galena-sphalerite-pyrrhotite-pyrite mineralisation.

5. CONCLUSIONS AND RECOMMENDATIONS

There are striking similarities between the Red Hills CVC sequence with the CVC sequence seen on the north-western side of the Henty fault which hosts the Rosebery and Hercules ores (Fig. 1). Stratigraphy at Rosebery consists of footwall feldspar-phyrlic pyroclastics overlain by fine grained tuffaceous rocks which host the Rosebery ores. Black shales occur directly in the hangingwall. The stratigraphy at Red Hills is very similar to Rosebery and is most likely the same sequence.

With this in mind Red Hills may represent a thrust block of CVC as part of a imbricate fault structure at depth. This would explain the synclinal fold seen at the Gooseneck and repetition of westerly dipping CVC units seen east and west of the Henty Fault. The Red Hills CVC is bound to the east by a fault, interpreted to represent a thrust fault which may be the extension of the Great Lyell Fault (Fig. 4).

This interpretation has a direct bearing on the mineralisation seen at Red Hills. Pb and S isotopes and zinc ratios of the Red Hills massive sulphide intersection (DDH RH5) are very similar to Rosebery and Hercules ores suggesting a Cambrian VHMS style of mineralisation. Perhaps both the copper and base metal mineralisation at Red Hills occurred as part of the same mineralising event as Rosebery or at least a smaller event occurring at a similar time. The presence of base metal clasts, mineralised lithic clasts, isolated mineralised pods and disseminated mineralisation within a sequence of pyroclastics and sediments, suggests the Red Hills area may have been a shallow basin marginal to terrestrial volcanism, and too high energy environment to allow accumulation of massive sulphides. Copper mineralisation deposited as veins and disseminations in the Red Hills rhyolite may have resulted from a rapid decrease in fluid

temperature due to insufficient hydrostatic pressure. Gold, transported as bisulphide complexes, and basemetal mineralisation, may have been deposited at the Red Hills rhyolite dome - volcanoclastic interface through to the host horizon, from a decrease in temperature and availability of H₂S from mixing of hot mineralising fluids with both pore water and sea water. Based on these conclusions and previous exploration efforts there is little chance of either significant copper or base metal mineralisation in the CVC at Red Hills.

With respect to Henty mineralisation there is considerable potential for further exploration of the Tyndall Group east of the Gooseneck. Mineralisation at Henty occurs at the base of the Tyndall Group at the footwall contact with the Henty fault. Gold is concentrated in late brittle fractures within intensely silicified volcanics. Two genetic models have been proposed to explain the origin of gold mineralisation at Henty, Cambrian volcanogenic and Devonian mesothermal mineralisation associated with re-activation of the Henty fault. Simplistically the volcanogenic model involves a VHMS system operating in a shallow water environment. Reduced hydrostatic pressure causes hydrothermal fluids to boil resulting in a higher than normal concentration of gold for typical VHMS deposits. Some remobilisation of the gold may have occurred during deformation events but the gold was initially there in high concentrations to start with. The Devonian mesothermal model suggests that during Devonian deformational events de-watering of the surrounding rocks resulted in mesothermal fluids. Gold was leached from the rocks by the fluids, was mobilized and deposited into brittle fractures within silicified volcanics of the Lower Tyndall Group. If this model is correct then it significantly reduces the exploration potential of a single stratigraphic horizon. Both interpretations have valid arguments and flaws, however at this stage it is not necessary to elaborate on the complexities of each model. With regards to the Red Hills area there is potential for a Henty style gold deposit either as a volcanogenic or a mesothermal deposit.

If Henty mineralisation is exhalative then there is a possibility that the same stratigraphic horizon occurs on the eastern limb of the Gooseneck syncline. Exploration would be risky in that the current interpretation would place the Henty horizon at considerable depth below the surface.

If Henty is later Devonian remobilised mineralisation then there is a number of similarities in the Gooseneck area which would warrant further exploration. There is known gold mineralisation within the CVC at Red Hills. Initial thrusting or later re-activation of the north - south striking fault on the eastern side of the Gooseneck (possibly the Great Lyell fault) may have concentrated remobilised gold into brittle deformation zones adjacent to the bounding fault. Replacement textures of the base metals described in the Red Hills CVC sequence may be in part due to remobilisation. Previous mapping has highlighted a zone of strong albite alteration within the CVC near the faulted contact with the Tyndall Group, a similar alteration haloe occurs in the hangingwall at Henty. These features significantly warrant further exploration.

In summary Red Hills is prospective because;

- a) the same stratigraphy as Henty may occur on the eastern limb of the Gooseneck syncline;
- b) as at Henty the proximity of similar stratigraphy to a major fault;
- c) the presence of a large albite alteration zone close to the fault, similar alteration is seen in the hangingwall of the Henty deposit;
- d) known gold mineralisation at Red Hills may have been focused or remobilised into structural traps near the eastern fault;
- e) the Tyndall Group / CVC rocks at the eastern fault have not been explored for Henty style mineralisation.

Plutonic Resources should be approached with a joint venture offer to explore the lease for Henty style gold mineralisation. If a joint venture was agreed exploration should initially focus on;

- a) assessment of Plutonic's previous exploration and ideas;
- b) detailed geological and alteration mapping as there is excellent exposure;
- c) re-logging some of the existing diamond core to try and pin-point Tyndall stratigraphy and mineralisation textures;
- d) re-assessment of geophysical data that covers the area of interest.

Some of these tasks may be carried out before Plutonic Resources is approached.

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- Corbett, K.D., 1975: Preliminary report on the geology of The Red Hills - Newton Creek area, West Coast Range, Tasmania. Tech. Rep. Dep. Mines Tas. 19:11-25
- Corbett, K.D., and Solomon, M., 1989: Cambrian Mt Read Volcanics and Associated Mineral Deposits. Geol. Soc. Spec. Pub. 15.

APPENDIX 1

**Detailed Exploration History
of
Red Hills**

PREVIOUS EXPLORATION

History

Mineral leases were first taken up in the area in 1891. Several companies were formed to work the small copper shows (Adits 1N, 2N, 1E, 2E, 3E, 1W, 2W) within the Red Hills Lava. All mineral rights to the area were acquired by the Mount Lyell Mining and Railway CO. in 1905. They lengthened two of the existing adits and developed other small shows. By 1908 mining activity had ceased.

1957 - 59 Rio Tinto / EZ JV

Rio Tinto and EZ carried out ground E.M., magnetic and gravimetric surveys outlining a 1500m long anomalous zone. Three holes GN1, GN2 (RTAE) and RHP95 (EZ) were drilled in this zone and intersected black shales carrying syngenetic pyrite and pyrrhotite. The mineralisation was considered sufficient to explain the anomalies. RHP 94 was drilled within the Red Hills Lava, no significant base metals were discovered.

1969 - 70 Mount Lyell Mining and Railway CO.

A geological, geochemical and geophysical exploration programme was completed over the Red Hills Plateau in the central north of the licence area around the previously worked copper mineralisation. The target was large tonnage low grade disseminated copper mineralisation associated with the Red Hills Lava. Magnetics, IP, Resistivity, and SP surveys located several anomalies. Most were explained by the presence of magnetite and pyrrhotite in the graphitic shales except for anomaly A1 near the known copper mineralisation which was interpreted to be due to higher grade mineralisation.

Reconnaissance surface sampling both soils and rock chips outlined two major and three minor anomalous zones, one of the major anomalies was lead the remainder were copper anomalies. The Pb anomaly was interpreted to be a result of high Pb levels in the black shales the other anomalies were inconclusive and may be impart due to contamination from black shales and nearby workings. Detailed sampling of the adits turned out to be encouraging illustrating both vein and disseminated style copper mineralisation.

1970 -71

The exploration strategy from the previous year was continued south to the cover of the Owen Conglomerate and to the west over the Gooseneck Grid. Magnetic and IP anomalies coincide with the Black shales and showed the shales to be thickening to the south. The A1 anomaly was defined from the 8S line on the Mt Lyell Grid (MLG) and traced to the south where it disappeared under the Owen Conglomerate cover. It is a broad linear anomaly coinciding with the Red Hills Lava. Soil sampling over the Gooseneck grid was hampered by extensive swamp and scree cover. A broad medium intensity Pb anomaly was detected to the south coinciding with the black shale horizon. Encouraging copper values were obtained from the 1N and 2W adits indicative of both massive rich veins and disseminated mineralisation. A total of 26 shallow percussion holes were drilled to test the bulk low grade copper potential of the Red Hills Lava, the best intersection (30 feet @ 0.49% Cu) occurred near the No.1 West Adit, gold was not

assayed. As geological observations and drilling indicated that the A1 anomaly was due to disseminated mineralisation drilling of the southern extension was recommended.

1971-72

Exploration focussed on the potential for copper mineralisation in the Red Hills Lava either as a large low grade disseminated deposit or as a series of shoots of massive copper mineralisation. Three diamond drill holes (RH1 -RH3) into the Red Hills lava targeting small IP anomalies returned disappointing results intersecting minor pyrite - magnetite-haematite mineralisation with rare specks of chalcopyrite. In light of the drilling IP anomaly A1 was down graded and thought to be a response from small amounts of disseminated pyrite in the lavas. In conclusion it was recommended that there was little potential for economic copper mineralisation at Red Hills.

1973 - 74

Re-assessment of previous geophysical surveys indicated that there were numerous IP anomalies still unexplained and that the main IP anomaly A1 was largely untested. It was recommended that all the data at Red Hills be evaluated with the view of testing the strongest zone of the A1 IP axis by diamond drilling to target smaller, higher grade (1-2% Cu) deposits.

A small IP anomaly on the eastern side of the Gooseneck Mountain remained untested. Being the core of a syncline and known mineralisation in the Henty fault zone on the western limb of the syncline raised the possibility that the same horizon may occur east of Gooseneck Mountain and may coincide with the IP anomaly. It was recommended for detailed geological mapping. It still remains untested.

A third zone of interest was the IP anomaly A5 which strikes north south right through the area immediately west of Red Hill in a sequence of fine grained tuffs, shales and lavas, an environment interpreted to be similar to that of the Rosebery massive sulphide deposit.

1975-76

During this period exploration consisted of detailed geological mapping, soil sampling and ground magnetics to outline targets for drilling. Two IP anomalies (A5, A1) remained inadequately tested and were soil sampled and assayed for Cu,Pb,Zn

IP anomaly A5 in the northern zone coincides with the black shale units and gave elevated Cu, Pb, Zn soil values. Previous drilling RHP95 drilled into the IP anomaly and intersected black shales with minor sulphides but did not reach the eastern part of the anomaly. It was interpreted that the geochemical response was due to the Black shales or mineralisation closely associated with them. A rock chip from the shales in the south assayed 950ppm Cu, 970ppm Pb and 1.12% Zn.

IP zone A1 in the south of the grid returned only low soil values.

It was concluded that both zone A1 and A5 required further testing by diamond drilling, targeting,

- a) copper mineralisation associated with the Red Hills lava, zone A1, and
- b) Rosebery type massive sulphide deposits associated with the black shale pyroclastic sequence which overlies the Red Hills Lava, zone A5.

1976-77

Depressed world copper prices reduced exploration funds resulted in a joint venture with Getty Oil Development Co. Ltd.

Based on the recommendations of the previous year 4 diamond drill holes were completed

Drill hole RH 4 was designed to test the northern end of the A1 anomaly, a coincident pole - dipole, gradient array IP and SP anomaly, within the Red Hills Lava. The target at the surface was an altered lava sequence which included strongly chloritised volcanics with scattered disseminated pyrite and associated average soil assays of 191ppm Cu. The hole intersected chloritised, brecciated lavas (Red Hills Lava) with disseminated pyrite-magnetite, with pyrite veins and chalcopyrite veins associated with quartz - carbonate veining. Assays were encouraging.

Drillhole RH5 was designed to test the northern most extension of the A1 anomaly, a coincident pole - dipole IP and Pb soil anomaly, in the vicinity of anomalous black shale rock chips. In addition it was planned to intersect the contact with the Red Hills lava.

At 208 - 221m it intersected fine grained siliceous sediments including a 3m massive sulphide band which assayed 3m @ 0.3% Cu, 11.2% Pb, 31.8% Zn, 154g/t Ag, 5.8g/t Au. Very low values were detected elsewhere <0.1% metal. RH5 was logged by downhole pole -dipole methods which picked up the shale band and the massive sulphide band.

RH6R was drilled to test the down-dip extension of the mineralisation intersected in RH5. At 321 - 368m it intersected the equivalent horizon. The assays were encouraging but not as significant as in drillhole RH5.

RH7 was targeted at the northward extension of the mineralisation intersected in RH5. Pole - dipole responses over the target zone were moderate and Pb values in the soils were high but erratic. The mineralised zone was intersected at 255 - 285m. The assays were disappointing.

Based on drilling results it was concluded that

a) the potential for large low grade Cu mineralisation within the Red Hills lava is unlikely as it occurs as small zones of high and low grades and it is likely insufficient ore grade exists, and

b) the potential for Pb Zn mineralisation remains high especially after the intersection of a 3m massive sulphide horizon in RH5, the two holes drilled to the north (RH6R, RH7) intersected minor sulphides indicating mineralisation weakened to the north.

IP anomalies in the south Red Hills area had coincident erratic high Pb values in the soils and was recommended for drilling the following year.

Soil sampling was carried out to try and locate the surface expression of the mineralised zone but no anomalies were detected. A minor Pb Zn high occurred 100m to the east of the major shale horizon intersected in RH5, but is not directly correlated with the mineralised zone.

1977-78 Mt Lyell / Getty Oil JV

During this period four diamond drill holes were drilled.

RH8 was drilled to test for RH5 mineralisation to the south. From 279 - 283m was a fine grained siliceous tuff was intersected which included a band of semi massive sphalerite and galena mineralisation and may represent the mineralised horizon. From 321 - 328m was a coarse grained lithic tuff was intersected with disseminated sphalerite in the groundmass. The assay results were encouraging but not as significant as hoped and it was suggested that RH5 mineralisation was a small pod and that no further testing close to RH5 was necessary.

RH9 was drilled to test the RH5 mineralisation south of RH8. Disseminated pyrite and sphalerite was observed from 320 - 360m in altered fine - medium grained sericitic siliceous tuffs. A semi-massive sphalerite - galena - pyrite lens in a quartz haematite sediment between 336.1 - 336.3m was interpreted to be in a similar stratigraphic position as RH5 mineralisation. The occurrence of significant amounts of sphalerite in the lower shale unit between 310 - 320m was very encouraging. The shale horizon thickens to the south suggesting the basin deepens and may be a good environment for distal pond type VHMS deposits.

RH10 was designed to test RH5 mineralisation south of RH9 and to test the sphalerite bearing shale horizon intersected in RH9. At 295 - 301m the shale unit was intersected with no significant Pb or Zn mineralisation. At 379 - 379.3m a fine grained siliceous sediment with chalcopyrite - pyrite - chlorite stringers at the contact with the red hills lava was interpreted to represent a small stringer zone with no direct relation to RH5 mineralisation.

RH11 was designed to test for RH5 mineralisation south of RH10 and to test the black shale horizons. The hole intersected a sequence of interbedded carbonaceous shales, fine grained tuffs and coarse grained lithic tuffs. RH5 mineralisation was not recognised in this hole and minor mineralisation was associated with the Black shales. A number of conclusions arose from RH11. The increase in the number and size of faults make correlation difficult. Faulting however, may have caused significant concentrations of base metals, and the thickness and number of the shale units increases southward, increasing the potential for more mineralised horizons.

From drilling it was concluded that

- a) there had been adequate testing close to the RH5 massive sulphide intersection;

- b) the host horizon intersected in RH6R,7,8,9 had much reduced base metal contents;
- c) there may be potential north of RH7
- d) possible down-dip and up dip potential of the mineralised zone in RH5 remains inadequately tested;
- e) RH 10,11 did not intersect RH5 mineralised horizon
- f) as it appears the basin is thickening to the south the shale horizons under the Owen Conglomerate cover should be tested.

Downhole IP surveys were conducted on holes 6R,7,8,9,10 to gain physical properties of the rocks. An applied potential and magnetometric resistivity downhole surveys over RH5 indicated that mineralisation was open to the north and south of RH5 and the top of the mineralisation to be 60 - 100m below surface. Detailed gradient array over RH5 did not detect the horizon

A costean over RH5 stratigraphic sequence failed to locate any surface expression of the massive sulphide zone.

More soils were sampled across the assumed northern strike extensions of RH 5 mineralisation. Anomalous Pb values were detected, probably from black shales.

1979-80

Exploration focussed on geophysics. A gravity survey was done to try and discriminate between IP anomalies due to massive sulphides and IP anomalies due to graphite and other non - sulphide sources. A anomaly was located on line 86s where a high occurs in an area of glacial boulder till north of Lake Westwood and is on strike from the black shales near the RH11 collar.

1881-82

Exploration focussed on mapping of the alteration assemblages in volcanic rocks and was undertaken by Dr C.J. Eastoe. He located a zone of intense chloritisation and silicification near the 1N adit and interpreted it to be an axis of a chloritic pipe. The zone of silicification is at its thickest where intersected by the axis of the pipe and he suggested that in and around the thick part of the silicified zone would be the most promising area for further stratiform sulphide deposits. This interpretation resulted in the drilling of RH12 located north of RH7.

The Results of RH 12 were disappointing intersecting a sequence of rhyolitic - dacitic pyroclastics, lavas and volcaniclastics. The sedimentary character of the rocks is lost suggesting a basin margin environment. Chalcedonic quartz on the margins of lava breccias suggested sinter deposits. It was later interpreted that the silicification and chloritisation zone probably represented the products of hot hydrothermal spring system on the basin margin

Following evaluation of past exploration data and in-light of preliminary results of the Mt Read Volcanics Alteration study it was decided that there was still potential for further

massive sulphide mineralisation along the prospective horizon hosting the RH5 massive sulphide lens.

Initially a geophysical approach was tried. An Applied Potential and Sirotem Time Domain E.M survey was conducted with disappointing results.

1982 - 83

Following evaluation of all previous results it was considered that two areas remained inadequately tested,

- 1) Au mineralisation in the vicinity of RH5 massive sulphide lens, and
- 2) massive sulphide deposition in the southern part of the Red Hills basin.

In preparation for designing drill programmes holes RH 5 to RH9 were relogged.

A longitudinal projection showed that the massive sulphide lens had been adequately tested along strike to the north and down dip below RH5, however a gap existed down plunge to the south between RH 8 and RH9 resulting in the drilling of RH13 and 14R.

In RH13 the host rock was intersected and contained minor syngenetic base metal sulphides. The best intersection 3m @ 3.08% Zn, 0.35% Pb, 6.5g/t Ag and 0.9g/t Au at the lower host rock - pyroclastic contact suggested a gold bearing zone may exist along strike from RH5.

RH14R intersected a possible equivalent of the host horizon which carried minor syngenetic base metal mineralisation and clasts of apparently disrupted semi massive sulphides. Best assay interval within the host horizon sequence (4.2m @ 1.29% Zn, 0.47% Pb, 31g/t Ag, 2.2g/t Au) indicate that the Au horizon in RH15 and 13 extends to RH14R.

Drilling of RH15 was targeting a Pb soil anomaly coincident with IP, EM and gravity anomalies in the southern part of the Red Hills Basin. It intersected a sequence of graphitic black shales and tuffaceous interbeds, sedimentary pyroclastics and host horizon sequences. Only minor base metal sulphides were encountered with the best assay occurring in the black shales (3.9m @ 1.6%Zn, 0.2% Pb, 7g/t Ag, <0.1g/t Au). Sufficient disseminated mineralisation was encountered to explain the geophysical and geochemical responses.

All the geophysical data was reviewed by consultant J.R. Bishop. He concluded

a) coincident gravity and Turam anomalies have been adequately explained by rock density variations from previous drilling,

b) applied potential surveys suggested a very limited strike length for the mineralisation, however downhole IP and EM surveys showed that the black shales and massive sulphides were chargeable but not particularly conductive, thus the results of the applied potential survey are largely negated.

c) Only results which may be recognised as a possible separate response due to mineralisation is gradient array IP profile over RH5. A clear chargeability/ resistivity anomaly was defined which may be equivalent to the host horizon.

d) If the massive sulphide was a constant 3 - 5m thick with its top 100m+ below the surface and it maintained its composition and position relative to the black shale then it is probable that a substantial tonnage would not be detected. However drilling suggests that such a body does not exist.

Relogging of RH5 lead to a number of conclusions

a) The massive sulphide shows little evidence of remobilisation so the assays probably reflect original grade.

b) petrographic work suggests the host rock is a volcanic ash or tuffaceous argillite

c) No evidence of development of a typical chlorite or sericite footwall alteration beneath the massive sulphide or host horizon

d) very few features typical of VHMS deposition, the weak alteration, low sulphide content of the adjacent predominantly high energy pyroclastic lithologies appear unfavourable for massive sulphide deposition.

Au assays from drilling and re-sampling from previous holes delineated a zone of Au mineralisation in the vicinity of RH5. The 5 holes delineated an Inferred Resource of one million tonnes at 2g/t Au with 1.3% Pb, 4.6% Zn and 37gt/t Ag. The horizon appears closed to the north at RII7 and to the south at RH9 but is still open at depth and 150m to the surface from RH5.

Apart from the massive sulphide, the best base metal mineralisation occurs either at the eastern margin of the host horizon or in the coarse pyroclastics. No other suitable horizons have been identified. Petrographic work suggests that most of the mineralisation in the pyroclastics is later replacement. Some lithic clasts within the coarser pyroclastics are mineralised and indicate at least some pre-existing sulphides.

Five drillholes holes have been completed to date in the southern part and a possible host horizon was intersected in RH15 but contained only low disseminated sulphides. There is no evidence that the grade increases or the unit thickens to the south. However the overall base metal content increases to the southward. GN 2 stopped short of the main shale sequence and was not assayed.

Geophysical responses in the south from the black shales terminate where the Owen Conglomerate cover is interpreted to be greater than 20m thick. GN2 drilling indicates that the black shales may extend along strike for another 700m towards Lake Westwood.

Just north of RH12 where outcrop ceases, a weak IP anomaly coincides with swampy ground and may reflect basinal lithologies. However the geophysical response is too small to be caused by significant sulphide mineralisation and the geochemical soil values are low.

The Au potential of the red hills lava was tested by collecting dump samples from 1North adit and drill core intervals from RH2 and RH4. Gold values were low (max. 1.5m @ 0.3ppm Au) and it was concluded that no significant Au mineralisation occurs within the Red Hills lava.

1983-84

During this period two holes were drilled. RH 16 to test the depth extensions of the gold mineralised zone and RH17 to test the mineralised potential of the Red Hills basinal sequence in the south.

RH16 intersected lithologies similar to that found in previously drilled holes which intersected Au mineralisation, however RH16 assays were disappointing, indicating a patchy and generally low grade nature.

RH17 collared in moderately altered basinal rocks but struck a major fault structure which is interpreted to have down-faulted a large block of Tyndall Group / Owen Conglomerate. The mapping project which arose from the result of this hole indicate a major structural feature persists throughout the Red Hills area along the Owen Conglomerate basinal rocks contact.

1984-85

After disappointing drilling results a decision was made to relinquish the Red Hills prospect. It was concluded that

- 1) the trace abundance of base metals and weak alteration possible reflects syngenetic mineralisation and any sulphides precipitated on the seafloor would have been flooded by volcanic detritus.

- 2) RH 16's failure to obtain significant Au mineralisation suggests that the mineralisation is too low grade and patchy along strike to permit underground exploitation.

- 3) geophysical data suggests the basin continues north but in a much weaker form. RH17 indicated that it is unlikely that the Red Hills host horizon continues in the basin rocks under the Owen Conglomerate Cover.

The E.L. was relinquished.

CRAE 1985 - 86

CRA exploration picked up the ground targeting gold. Three target lithologies were tested by rock chip sampling at Red Hills. The main black shale horizon in the hanging wall of the host horizon, the siliceous alteration zone and the chlorite alterations pipe in the footwall of the host horizon.

Sixteen rock chip samples were taken to test the black shale unit as a primary gold target. Au was detected in most samples indicating high background levels and results were generally disappointing (max. ppm 330Cu, 2300Pb, 390Zn, 0.04g/tAu).

Twenty rock chip samples were taken within the siliceous zone with disappointing results (max. ppm 30Cu, 155Pb, 510Zn, no gold was detected).

Fifty four rock chip samples were taken to test the chlorite alteration pipe as a primary gold target. Best results were obtained from old workings at the IN adit. Peak values from grab samples were 7.2% Cu, 290Pb, 240Zn, 2400ppb Au from massive pyrite

blocks. Channel sampling of bedrock over a 0.5m gave 4150Cu, 390Pb, 115Zn, 115ppb Au from weathered massive sulphide and magnetite wallrock. Away from these workings, only two samples contained in excess of 100ppb Au. A magnetite - pyrite - quartz stockwork was located towards the northern end of the pipe however there was no increase in Au values.

CRAE 1986 - 87

Five lines of detailed soil sampling was carried out near the 1N adit to follow up a coincident IP and weak UTEM anomaly. A weak (upto 200ppb Au) gold anomaly was delineated. Outcrop samples, four grab and one channel sample returned an average of 2g/t Au. There appears to be elevated background gold (30 - 60ppb) in altered acid volcanics. The highest grade occur in veins.

Three metre core grind samples were taken from seven of the original Goldfields holes ad assayed for Au in the hope of identifying a previously overlooked zone of gold mineralisation. Results were dissapointing..

A UTEM survey was carried out over the Red Hills north area from 12S - 36N (MLG) in addition ground magnetics was recorded over the area. UTEM failed to locate any significant conductors. Evidence of a weak conductive and magnetic alteration zone in the rhyolites on line 12S - 6S (MLG) was located though its significance is unclear.

Drillhole RH5 and RH12 were tested with DHEM. No offhole conductors were detected in RH12 and it appears unlikely that the massive sulphide in RH5 extends from the hole.

Aberfoyle / CRAE JV 1988 - 89

On the 5th april 1988 a joint venture was formalised with Aberfoyle Resources as manager.

A re-interpretation of the of the CRAE DHEM data suggested a offhole vertical conductor east of RH5. Further DHEM using Sirotem and EM-37 was completed by Aberfoyle on holes RH5 and 12 indicating that the response was probably the result of a field operational error.

A UTEM survey was carried out to target the potential for the repetition of the Red Hills mineralised sequence on the eastern flank of the Red Hills lava dome which is under considerable cover of Owen Conglomerate. The survey did not identify any UTEM anomalies indicative of massive sulphide mineralisation.

CRAE UTEM failed to locate any targets in the northern part of the volcanics. The Mt Lyell Grid from 16S - 80S was re-established for a UTEM survey. Loops were positioned to the west of the prospective host horizon and overlying black shales to produce maximum coupling of the EM field and any steeply dipping conductors. Encouraging

results lead to an extension of the grid from lines 84S to 112S, an area of Cambro - Ordovician and Quaternary glacial cover. Surveys failed to locate any conductors at the interpreted host horizon. However, an anomaly from 32 - 104S associated with the black shale was considered to be due to both the shale and an adjoining conductive body. The northern part of this anomaly has been drill tested (RH8,9,12,14R,16). It is considered the area of greatest potential was from 72S - 104S where previous drilling had not tested adequately.

RH18 was drilled to test the southern UTEM anomaly. It intersected a shale unit at the "host horizon" position with syngenetic pyrite - sphalerite - galena mineralisation and pyrite - pyrrhotite - sphalerite mineralisation. It was considered that the source of the anomaly was not intersected and that DHEM was required to detail the anomaly location.

Aberfoyle/CRAE JV 1989 - 90

Sirotem and EM - 37 were completed on RH18. The survey defined two anomalies; an eastern shale related anomaly tested by RH18; and a flat lying western conductor that was recommended for drilling, RH19.

RH19 intersected only minor syngenetic mineralisation within the black shale unit. A mixed lithological interval dominated by black shale was considered to adequately explain the source of the DHEM response in RH18 survey.

Aberfoyle/CRA JV 1990 - 91

Twenty five grind samples were submitted for assay from drillhole RH19. Assay results are generally low with maximum values of 400Pb, 700Zn from the conductive shale rich sequence between 188.25 - 206.25m. Cu values are low and Ag and Au are below detection limits.

In 1991, a research project was completed by Mr D. Jenkins as partial fulfilment of an Honours year at the university of Tasmania. Investigation of mineralisation styles at Red Hills identified two distinct types:

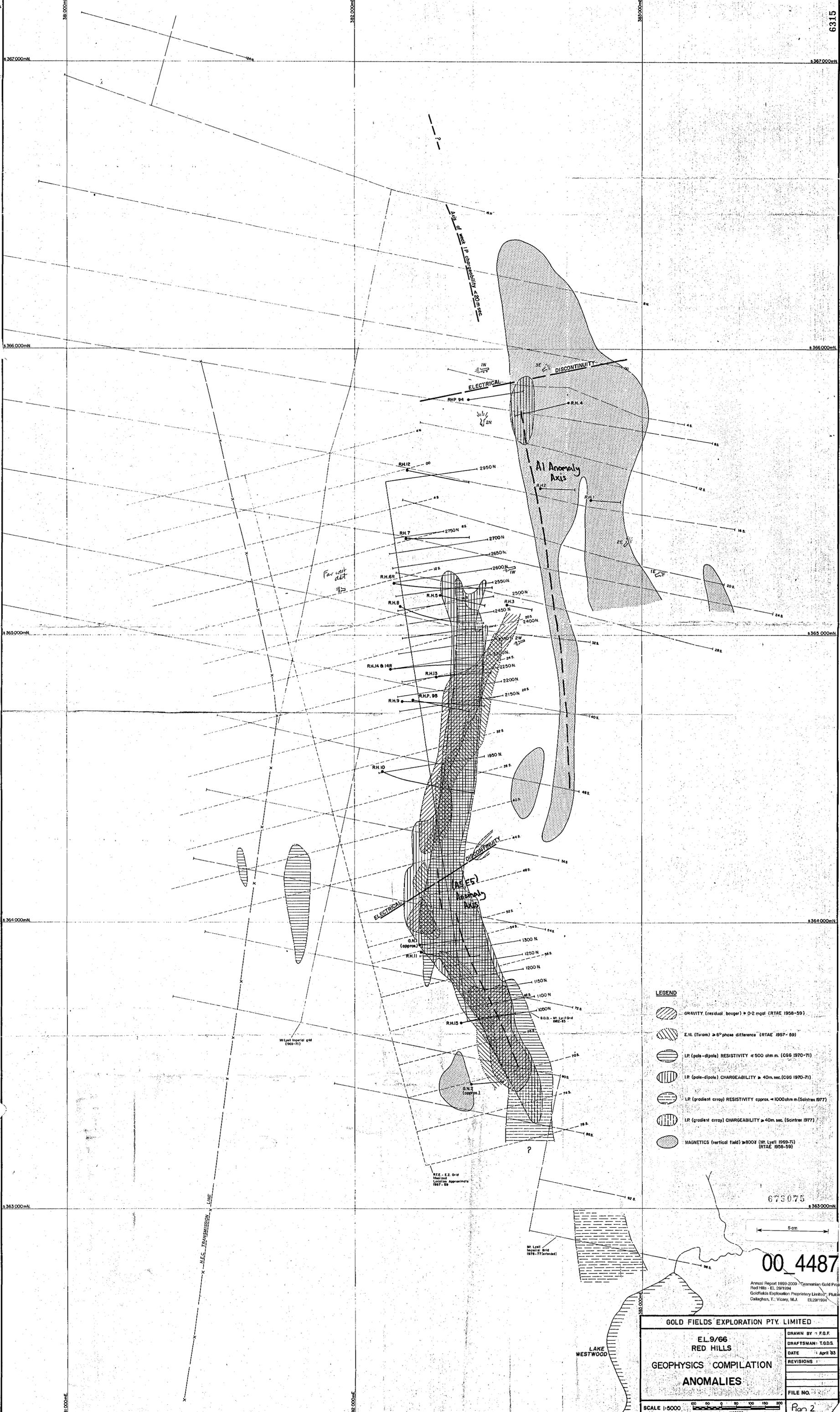
- 1) syngenetic polymetallic massive sulphide mineralisation
- 2) epigenetic granite related pyrite - chalcopyrite - magnetite stockwork system.

Geochemical investigation of the massive sulphide in RH5 had similar sulphur and lead isotopes signatures, zinc ratios and footwall alteration styles as the Rosebury and Hercules deposits.

Jenkins (1991) concluded mineralised Au-bearing stockwork veining to be associated with chloritised zones in a similar setting to alteration and mineralisation styles at Jukes Proprietary, therefore inferred a relationship with a Cambrian granitic intrusions at depth.

Aberfoyle/CRAE JV 1993

After dissapionting results from DDRH18-19 no further geophysical or geological targets were identified in the Red Hills area and no further work was recommended.



- LEGEND**
- GRAVITY (residual bouguer) > 0.2 mgal (RTAE 1958-59)
 - E.M. (Trom) > 6° phase difference (RTAE 1957-59)
 - I.P. (pole-dipole) RESISTIVITY < 500 ohm m. (CGG 1970-71)
 - I.P. (pole-dipole) CHARGEABILITY > 40m.sec. (CGG 1970-71)
 - I.P. (gradient array) RESISTIVITY approx. = 1000 ohm m. (Scintrex 1977)
 - I.P. (gradient array) CHARGEABILITY > 40m.sec. (Scintrex 1977)
 - MAGNETICS (vertical field) > 800X (Mt Lyell 1959-71) (RTAE 1958-59)

673075

5 cm

00_4487

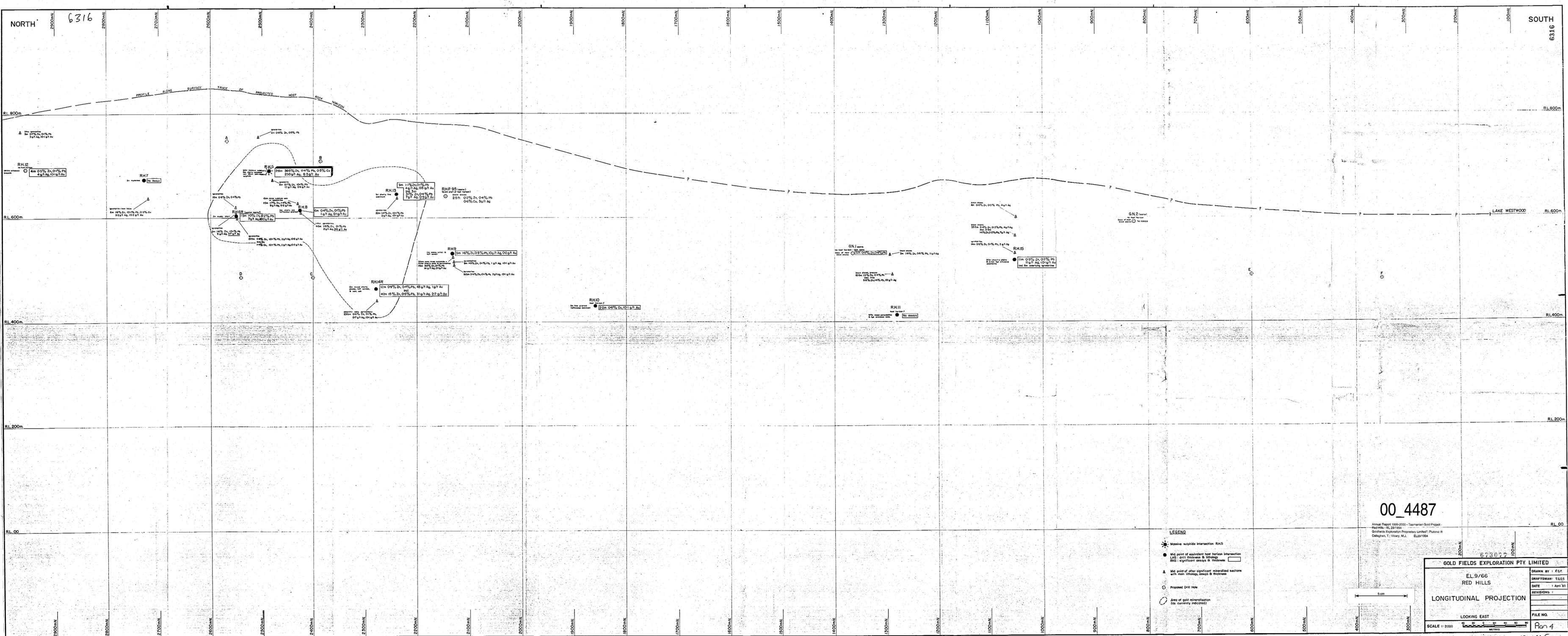
Annual Report 1990-2000 Tasmanian Gold Project
 Red Hills - EL 291504
 Goldfields Exploration Proprietary Limited, Flinders R
 Callaghan, T., Vicary, M.J. EL291504

GOLD FIELDS EXPLORATION PTY. LIMITED

**EL.9/66
RED HILLS
GEOPHYSICS COMPILATION
ANOMALIES**

SCALE 1:5000

DRAWN BY: F.G.F.
 DRAFTSMAN: T.G.D.S.
 DATE: April 93
 REVISIONS:
 FILE NO.: Plan 2

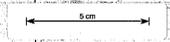


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Annual Report 1999-2000 - Tasmanian Gold Project
 Red Hills, EL 201594
 Goldfields Exploration Proprietary Limited, Pluton R
 Collingwood, T. Victoria, M.U. EL201594

LEGEND

- ★ Massive sulphide intersection RH15
- Mid. point of equivalent host horizon intersection
 LHS - drill thickness & lithology
 RHS - right-hand assays & thickness
- ▲ Mid. point of other significant mineralized sections
 with main lithology, assays & thickness
- Proceeded Drill Hole
- Area of gold mineralisation
 (as currently indicated)



| | |
|---|---------------------------|
| GOLD FIELDS EXPLORATION PTY. LIMITED | |
| EL 9/66 RED HILLS | |
| LONGITUDINAL PROJECTION | |
| LOOKING EAST | |
| SCALE 1:2000 | FILE NO. Plan 4 |

83-1645

APPENDIX 2

Soil Sample Locations and Analyses

| Sample | Northing | Easting | Au | Au(R) | Cu | Pb | Zn | Ag | As | Depth(m) | Horizon | Comments |
|---------|----------|---------|-------|-------|----|-----|----|----|----|----------|---------|--|
| 1082001 | 5367500 | 382000 | -0.01 | | 10 | 38 | 99 | -1 | 14 | 0.4 | B/C | Grey soil, grey-white rc - 2 holes |
| 1082002 | 5367500 | 382025 | -0.01 | | 7 | 27 | 55 | -1 | 10 | 0.3 | B | Grey/brown soil, 2 holes, to bedrock |
| 1082003 | 5367500 | 382050 | -0.01 | | 8 | 21 | 50 | -1 | 6 | 0.2 | B | Grey rc, brown soil, to bedrock - 4 holes |
| 1082004 | 5367500 | 382075 | -0.01 | | 5 | 15 | 43 | -1 | 8 | 0.5 | B/C | Grey/white rc, grey/brown soil |
| 1082005 | 5367500 | 382100 | -0.01 | | 6 | 17 | 42 | -1 | 8 | 0.4 | A/B | B soil, grey/white rc to b/r, b/r visible, 2 holes |
| 1082015 | 5367300 | 382225 | -0.01 | | 5 | 11 | 24 | -1 | 16 | 0.3 | C | Brown/grey soil, brown/orange rc to bedrock |
| 1082016 | 5367300 | 382250 | -0.01 | | 5 | 9 | 13 | -1 | 10 | 0.4 | B/C | Grey/brown soil, grey/white rc to bedrock |
| 1082017 | 5367300 | 382275 | -0.01 | | 5 | 9 | 8 | -1 | 9 | 0.5 | B/C | Grey/brown soil, grey/white rc to bedrock |
| 1082018 | 5367300 | 382300 | -0.01 | | 9 | 10 | 11 | -1 | 15 | 0.9 | B/C | Grey/yellow-brown soil, grey rc(qz), 2 holes, to bedrock |
| 1082019 | 5367300 | 382325 | -0.01 | -0.01 | 12 | 11 | 10 | -1 | 13 | 0.3 | B | Grey/brown soil, grey rc, to bedrock, 4 holes |
| 1082020 | 5367300 | 382350 | -0.01 | | 8 | 7 | 9 | -1 | 10 | 0.2 | B | Brown/grey soil and rc, 4 holes |
| 1082021 | 5365800 | 382075 | -0.01 | | 5 | 8 | 56 | 1 | 5 | 0.6 | B/C | Grey/white rc, grey/white soil, 4 holes, to bedrock |
| 1082022 | 5365800 | 382050 | -0.01 | | 4 | 17 | 22 | -1 | 7 | 1 | B | Beside creek, brown soil, grey/white rc |
| 1082023 | 5365800 | 382025 | -0.01 | | 4 | 15 | 27 | -1 | 2 | 0.8 | B/C | Brown/grey soil, grey/green/orange rc |
| 1082024 | 5365800 | 382000 | -0.01 | | 6 | 16 | 26 | -1 | 5 | 0.8 | B/C | Brown,green soil, green rc, x 4 holes |
| 1082025 | 5365800 | 381975 | -0.01 | | 5 | 51 | 18 | -1 | 1 | 0.9 | C | Brown/green soil, green rc |
| 1082026 | 5365800 | 381950 | -0.01 | | 5 | 11 | 19 | 1 | 6 | 0.6 | C | Brown/grey/orange soil, brown/grey rc, 6 holes |
| 1082027 | 5365800 | 381925 | -0.01 | -0.01 | 4 | 11 | 24 | -1 | -1 | 0.6 | B/C | Brown/green/grey soil, green/orange rc, 2 holes to b/r |
| 1082028 | 5365800 | 381900 | -0.01 | | 4 | 7 | 30 | -1 | -1 | 0.6 | B/C | Brown/green soil, green rc, 3 holes |
| 1082029 | 5365800 | 381875 | -0.01 | | 8 | 47 | 57 | -1 | -1 | 0.7 | B/C | Green/brown soil, green rc |
| 1082030 | 5365800 | 381850 | -0.01 | | 4 | 9 | 30 | -1 | -1 | 0.6 | B | Brown/green soil, green rc |
| 1082031 | 5365800 | 381825 | -0.01 | | 5 | 19 | 31 | -1 | -1 | 0.5 | B | Disturbed brown soil, white rc, beside road |
| 1082032 | 5365800 | 381800 | -0.01 | | 4 | 16 | 55 | 1 | 1 | 0.9 | C | Green/brown soil, grey/green rc, beside road |
| 1082033 | 5365800 | 381775 | -0.01 | | 5 | 5 | 28 | -1 | 4 | | B/C | Brown/grey soil, grey rc, beside road |
| 1082034 | 5365800 | 381750 | -0.01 | | 7 | 22 | 28 | -1 | 1 | 1.2 | E | Disturbed brown soil, beside road |
| 1082035 | 5365800 | 381725 | -0.01 | | 5 | 7 | 82 | 1 | -1 | 0.4 | C | Orange soil, grey/brown rc |
| 1082036 | 5365800 | 381700 | -0.01 | | 4 | 12 | 27 | -1 | -1 | 0.6 | C | Grey/brown soil, grey/white rc |
| 1082037 | 5365800 | 381675 | -0.01 | | 5 | 9 | 31 | -1 | -1 | 0.8 | C | Brown/green soil, green rc |
| 1082038 | 5365800 | 381650 | -0.01 | | 4 | 6 | 26 | -1 | 3 | 0.8 | C | Grey/green/brown soil, grey/white rc |
| 1082039 | 5365800 | 381625 | -0.01 | | 5 | 9 | 23 | -1 | 2 | 0.7 | C | Grey/green/brown soil, grey/white rc |
| 1082040 | 5365800 | 381600 | -0.01 | | 6 | 25 | 89 | -1 | 1 | 0.6 | C | Grey/green/brown soil, grey/white rc |
| 1082041 | 5365800 | 381575 | -0.01 | | 4 | 15 | 25 | -1 | -1 | 1 | B | Brown soil, white rc, beside creek |
| 1082042 | 5365800 | 381550 | -0.01 | | 5 | 15 | 24 | -1 | -1 | 0.8 | B | Brown/white rc, green rc, humus in swamp |
| 1082043 | 5365800 | 381525 | -0.01 | | 13 | 35 | 97 | -1 | -1 | 1 | B/C | Brown/white/green rc, humus in swamp |
| 1082044 | 5365800 | 381500 | -0.01 | -0.01 | 9 | 25 | 49 | -1 | -1 | 1 | C | Yellow/brown/white soil, Green/yellow rc |
| 1082045 | 5365800 | 381475 | -0.01 | | 10 | 105 | 24 | -1 | -1 | 0.6 | C | Brown/yellow soil, yellow/white rc |
| 1082046 | 5365800 | 381450 | -0.01 | | 6 | 22 | 22 | -1 | -1 | 0.6 | C | White/brown soil |
| 1082047 | 5365600 | 381875 | -0.01 | | 3 | 14 | 27 | -1 | 2 | 0.9 | C | Green/grey soil, green/white rc |
| 1082048 | 5365600 | 381850 | -0.01 | | 5 | 32 | 26 | -1 | 2 | 0.3 | B | Grey/brown soil, green/white rc, 2 holes to bedrock |
| 1082049 | 5365600 | 381825 | -0.01 | | 3 | 14 | 24 | -1 | 6 | 0.5 | | Brown soil, grey/brown rc, 3 holes |
| 1082050 | std | | 0.15 | | 42 | 44 | 57 | -1 | 22 | | | Std = MA (Au: 0.08 to 0.16, 0.12 Av) |

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| Sample | Northing | Easting | Au | Au(R) | Cu | Pb | Zn | Ag | As | Depth | Horizon | Comments |
|---------|----------|---------|-------|-------|----|----|-----|----|----|-------|---------|--|
| 1082051 | 5365600 | 381800 | 0.02 | | 5 | 10 | 15 | -1 | 2 | 0.3 | B/C | Green/brown/grey soil, grey rc, 4 holes |
| 1082052 | 5365600 | 381775 | -0.01 | | 4 | 15 | 24 | -1 | 2 | 0.2 | C | Grey, bc soil, brown/green rc, 4 holes |
| 1082053 | 5365600 | 381750 | 0.04 | | 4 | 4 | 22 | -1 | -1 | 0.5 | B/C | Grey/brown soil, grey/green rc, 3 holes |
| 1082054 | 5365600 | 381725 | 0.02 | | 3 | 4 | 16 | -1 | 4 | 0.7 | B | Grey/brown soil, grey rc, 3 holes |
| 1082055 | 5365600 | 381700 | -0.01 | | 3 | 5 | 22 | -1 | 1 | 0.8 | B/C | Grey/green soil, grey/green rc, 1 hole |
| 1082056 | 5365600 | 381675 | -0.01 | | 3 | 8 | 19 | -1 | 4 | 0.8 | B/C | Grey/green soil, grey rc, 2 holes |
| 1082057 | 5365600 | 381650 | -0.01 | | 3 | 5 | 11 | -1 | 4 | 0.4 | B/C | Grey/brown soil, grey/green rc, 3 holes |
| 1082058 | 5365600 | 381625 | 0.02 | | 4 | 17 | 38 | -1 | 1 | 0.4 | B/C | Dark brown soil, qz gravel, 3 holes |
| 1082059 | 5365600 | 381600 | -0.01 | | 7 | 44 | 35 | -1 | 3 | 0.9 | A/B | Green/brown soil |
| 1082060 | 5365600 | 381575 | -0.01 | | 3 | 6 | 48 | -1 | 3 | 0.5 | C | Green/grey soil, orange/green rc, 1 hole |
| 1082061 | 5365600 | 381550 | -0.01 | | 5 | 18 | 44 | -1 | -1 | 0.5 | B/C | Green/grey soil, grey rc, 3 holes |
| 1082062 | 5365600 | 381525 | -0.01 | | 6 | 15 | 44 | -1 | 7 | 1 | B/C | Brown soil, green/grey rc, 2 holes |
| 1082063 | 5365600 | 381500 | -0.01 | | 3 | 4 | 16 | -1 | -1 | 0.4 | B | Grey/brown soil, quartz rc |
| 1082064 | 5365600 | 381475 | -0.01 | | 3 | 13 | 126 | -1 | 1 | 1.1 | C | Grey/green soil, grey rc, 1 hole |
| 1082065 | 5365600 | 381450 | -0.01 | | 2 | 31 | 48 | -1 | -1 | 0.7 | C | Green/grey soil, bedrock, 1 hole |
| 1082066 | 5365400 | 381500 | -0.01 | | 3 | 4 | 17 | -1 | -1 | 0.4 | B/C | Grey/green soil, Quartz rc, 4 holes |
| 1082067 | 5365400 | 381525 | -0.01 | -0.01 | 32 | 23 | 121 | -1 | 9 | 1.1 | C | Dark grey/green soil, 1 hole |
| 1082068 | 5365400 | 381550 | -0.01 | | 15 | 24 | 38 | -1 | -1 | 0.4 | C | Green/grey soil, bedrock, 3 holes |
| 1082069 | 5365400 | 381575 | -0.01 | | 6 | 18 | 21 | -1 | -1 | 0.4 | B/C | Brown/Grey/white soil, white rc, 3 holes |
| 1082070 | 5365400 | 381600 | -0.01 | | 10 | 20 | 42 | -1 | 6 | 0.5 | C | Brown/orange soil, 2 holes |
| 1082071 | 5365400 | 381625 | -0.01 | | 4 | 21 | 17 | -1 | 3 | 0.4 | C | Green/grey soil, light brown rc, 3 holes |
| 1082072 | 5365400 | 381650 | -0.01 | | 2 | 14 | 15 | -1 | -1 | 0.4 | B/C | Light brown/green soil, 3 holes |
| 1082073 | 5365400 | 381675 | -0.01 | | 2 | 11 | 17 | -1 | 4 | 0.5 | B/C | Light brown/grey soil, 3 holes |
| 1082074 | 5365400 | 381700 | -0.01 | | 3 | 12 | 23 | -1 | -1 | 0.5 | C | Light brown/green soil |
| 1082075 | 5365400 | 381725 | -0.01 | | 3 | 5 | 25 | -1 | 6 | 0.5 | B/C | Light brown/green soil, brown rc/quartz, 3 holes |
| 1082076 | 5365400 | 381750 | -0.01 | -0.01 | 3 | 13 | 27 | -1 | -1 | 0.3 | B/C | Light brown soil, white rc, 3 holes |
| 1082077 | 5365400 | 381775 | -0.01 | | 4 | 34 | 37 | -1 | -1 | 0.7 | C | Light brown soil, quartz rc, 1 hole |

| | Au | Au(R) | Cu | Pb | Zn | Ag | As |
|-----------|------|-------|------|------|------|------|------|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Detection | 0.01 | 0.01 | 2 | 3 | 2 | 1 | 1 |
| Method | F650 | F650 | A102 | A102 | A102 | A102 | H102 |

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APPENDIX 3

Red Hills Rock Chip Samples

Red Hills Rockchip Analyses.

| Sample No | Easting | Northing | Formation | Rock | Ti ppm | Zr ppm | V ppm | P ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppm |
|-----------|---------|----------|-----------------|------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1080137 | 381900 | 5363950 | Ccv | VDFM | 1430 | 318 | 6 | 70 | 5 | 12 | 40 | -1 |
| 1080138 | 382640 | 5365250 | Ccvl | LDF? | 1780 | 309 | 14 | 76 | 29 | 13 | 106 | -1 |
| 1080139 | 381550 | 5366300 | Ccvl | LDF | 1320 | 261 | 5 | 58 | 12 | 21 | 17 | -1 |
| 1080140 | 381400 | 5366500 | Ccvi | VDFM | 1160 | 210 | 10 | 72 | 57 | 39 | 72 | -1 |
| 1080141 | 381960 | 5365005 | Ccvl | LDF | 1240 | 293 | 5 | 86 | 12 | 239 | 192 | -1 |
| 1080142 | 381962 | 5365005 | Ccvl | LDF | 1240 | 265 | 5 | 60 | 13 | 37 | 105 | -1 |
| 1080143 | 381964 | 5365005 | Ccvl | LDF | 1810 | 295 | 23 | 275 | 1150 | 12 | 154 | 1 |
| 44994 | 381480 | 5365825 | Cb | IB__ | 4550 | 179 | 345 | 440 | NA | NA | NA | NA |
| 44995 | 383065 | 5365640 | Cp?/CtI | IR< | 1960 | 191 | 43 | 235 | NA | NA | NA | NA |
| | | | Laboratory | | Analabs |
| | | | Method | | X401 | X401 | X401 | X401 | A102 | A102 | A102 | A102 |
| | | | Units | | ppm |
| | | | Detection Limit | | 100 | 5 | 5 | 30 | 2 | 3 | 2 | 1 |

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Red Hills Rockchip Analyses.

| Sample No | As ppm | Au ppm | AG | AS | AU | BA | CA | CE | CO | CR | CS | EU | FE |
|-----------|--------|--------|----|----|--------|------|-----|-----|----|-----|----|------|------|
| 1080137 | -50 | -0.01 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1080138 | -50 | 0.02 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1080139 | -50 | -0.01 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1080140 | -50 | -0.01 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1080141 | -50 | -0.01 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1080142 | -50 | 0.02 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1080143 | -50 | -0.01 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 44994 | NA | NA | -5 | 8 | -0.005 | 1300 | -1 | 18 | 10 | 115 | 13 | -0.5 | 6.99 |
| 44995 | NA | NA | -5 | 3 | -0.005 | 643 | 1.1 | 152 | 2 | 235 | 3 | 3 | 2.85 |

| | | | | | | | | | | | | | |
|-----------------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Laboratory | Analabs | Analabs | Becquerel |
| Method | A102 | F650 | N701 |
| Units | ppm | ppm | ppm | ppm | ppb | ppm | % | ppm | ppm | ppm | ppm | ppm | % |
| Detection Limit | -50 | -0.01 | 5 | 1 | 5 | 100 | 1 | 2 | 1 | 5 | 1 | 0.5 | 0.02 |

673083

Red Hills Rockchip Analyses.

| Sample No | HF | K | LA | LU | MO | NA | RB | SB | SC | SE | SM | TA | TE |
|------------------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1080137 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1080138 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1080139 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1080140 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1080141 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1080142 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 1080143 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 44994 | 5.6 | 2.6 | 9.9 | 0.5 | -5 | 0.15 | 140 | 2.1 | 34.2 | -5 | 1.9 | -1 | -5 |
| 44995 | 7.5 | 2 | 84.4 | 0.6 | -5 | 2.5 | 105 | 1 | 8.9 | -5 | 12.1 | -1 | -5 |

| | | | | | | | | | | | | | |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Laboratory | Becquerel |
| Method | N701 |
| Units | ppm | % | ppm | ppm | ppm | % | ppm |
| Detection Limit | 0.5 | 0.2 | 0.5 | 0.2 | 5 | 0.01 | 20 | 0.2 | 0.1 | 5 | 0.2 | 1 | 5 |

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Red Hills Rockchip Analyses.

| Sample No | TH | U | W | YB | ZN |
|-----------|------|----|----|-----|-----|
| 1080137 | NA | NA | NA | NA | NA |
| 1080138 | NA | NA | NA | NA | NA |
| 1080139 | NA | NA | NA | NA | NA |
| 1080140 | NA | NA | NA | NA | NA |
| 1080141 | NA | NA | NA | NA | NA |
| 1080142 | NA | NA | NA | NA | NA |
| 1080143 | NA | NA | NA | NA | NA |
| 44994 | 15.1 | 5 | -2 | 3.1 | 251 |
| 44995 | 23.3 | 5 | 3 | 4.1 | 113 |

| | | | | | |
|-----------------|-----------|-----------|-----------|-----------|-----------|
| Laboratory | Becquerel | Becquerel | Becquerel | Becquerel | Becquerel |
| Method | N701 | N701 | N701 | N701 | N701 |
| Units | ppm | ppm | ppm | ppm | ppm |
| Detection Limit | 0.5 | 2 | 2 | 0.5 | 100 |

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Operations and Processing Report - Airborne
Geophysical Survey, Henty, Tasmania - EL29/1994
Geoinstruments Proprietary Limited; Goldfields Explor
Anon EL29/1994

APPENDIX 4

673086

**Red Hills Helimag
and
Radiometric Survey**

**Technical Report
and
Images**

673087



INSTRUMENTS

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Operations and Processing Report

**Airborne Geophysical Survey
Henty, Tasmania**

February 2000

00_4487B

Operations and Processing Report - Airborne
Geophysical Survey, Henty, Tasmania - EL29/1994
Geoinstruments Proprietary Limited; Goldfields Explor
Anon EL29/1994

**Goldfields Exploration Pty Ltd
14 Williams Street
KALGOORLIE W.A. 6430**

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APPENDICES

APPENDIX 1

FLIGHT PLAN OF AREA FLOWN

LIST OF COORDINATES OF SURVEY BOUNDARY LINES

DAILY FLIGHT LOGS

APPENDIX 2

PROCESSED DATA FORMATS

APPENDIX 3

RADIOMETRIC CALIBRATION

APPENDIX 4

MAGNETOMETER COMPENSATION BOX AND HEADING TESTS

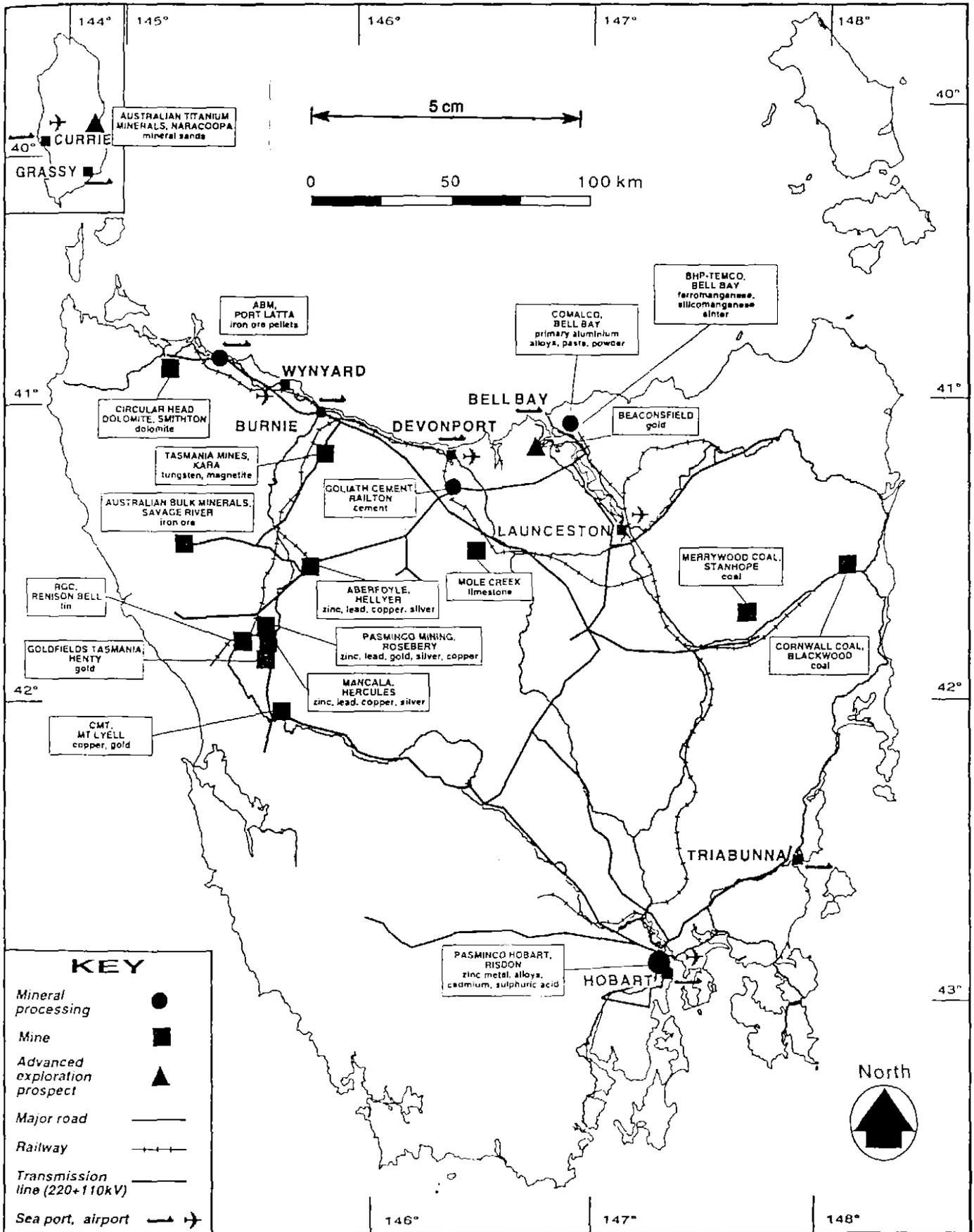
1. INTRODUCTION

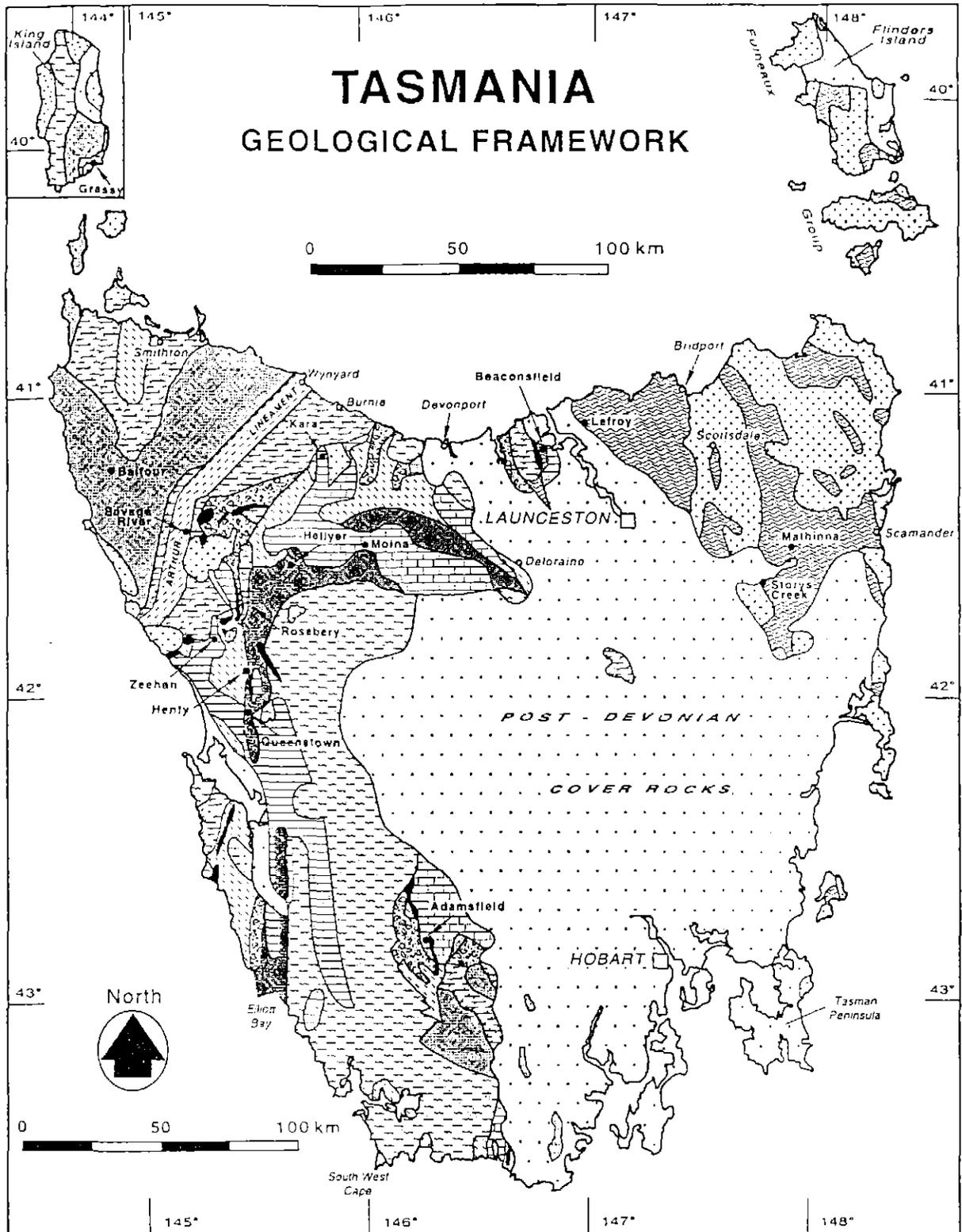
This report covers the operations for the helicopter geophysical survey covering the Henty project located 10km southeast of Renison Bell, Tasmania, which was flown for Goldfields Exploration Pty Ltd in February 2000 to assist in geological mapping, structural interpretation and delineation of zones of potential hydrothermal alteration.

The survey collected magnetic, radiometric, elevation, temperature and barometric pressure data totalling 885 kilometres, and yielded images of the fully processed geophysical parameters at a 12.5m grid cell size. This program entailed two and a half full days of surveying during 24-27 February 2000.

Geo Instruments Pty Ltd provided the survey personnel, instrumentation and data processing geophysicist. The aircraft and pilot were contracted from Heli-Aust Pty Ltd of Bankstown.

Tasmania Major Mining and Mineral Processing Operations





LEGEND

- | | | |
|---|--|--|
|  Permo-Triassic sedimentary rocks, Jurassic dolerite and Cainozoic sediments |  Middle-Late Cambrian volcano-sedimentary sequences |  Neoproterozoic - Early Cambrian sedimentary rocks and basalt; Arthur Metamorphic Complex |
|  Devonian granitoids |  Middle-Late Cambrian Mt Read Volcanics |  Neoproterozoic granitoid |
|  Late Cambrian to Early Devonian sedimentary rocks; Mathinna Group |  Early Cambrian allochthons: Ultramafic-mafic complexes (black); sedimentary rocks and basalt |  Mesoproterozoic: Metasedimentary rocks; relatively unmetamorphosed sedimentary rocks |

5 cm

2. SURVEY SPECIFICATIONS

The project comprised airborne geophysical mapping over the Henty project located southeast of Renison Bell in Tasmania. Data acquisition totalled 885 line kilometres of airborne magnetic, gamma-ray spectrometer, elevation, temperature and barometric pressure data during six individual sorties.

The location of the Henty project area is shown in Figure 1 "Tasmanian Major Mining and Mineral Processing Operations", and also in Figure 2 "Tasmania, Geological Frame work".

2.1 LINE SPECIFICATIONS

| | |
|-------------------------|---------------|
| Traverse Line Direction | 090°-270° AMG |
| Traverse Line Spacing | 50 metres |
| Tie Line Direction | 000°-180° AMG |
| Tie Line Spacing | 500 metres |

2.2 INSTRUMENTAL SPECIFICATIONS

| | |
|-------------------|--|
| Magnetics | |
| Sampling Interval | 0.1 second |
| Manoeuvre Noise | Compensated to < 0.5nT peak to peak for 10° manoeuvres |
| Total Noise | 0.5nT |
| Heading Error | Corrected by calibration |

| | |
|----------------------------------|-------------------------------|
| Base Station Magnetometer | |
| Sampling Interval | 5 seconds |
| Noise Level | 0.5nT |
| Resolution | Better than or equal to 0.1nT |

| | |
|---------------------|---|
| Radiometrics | |
| Sampling Interval | 1.0 second |
| Dead Time | <15% |
| Detector Volume | 16.4 litres |
| Detector Resolution | Better than 7% based on full width at half amplitude of the ²⁰⁸ Tl peak at 2.615 MeV |

| | |
|-----------------|--------------------|
| Radar Altimeter | Output 13.1mV/m |
| Barometer | Output 2.2mV/m |
| Thermometer | Precision of 0.1°C |

2.3 FLYING SPECIFICATIONS

| | |
|-----------------------------|--------------|
| Magnetometer Sensor Nominal | |
| Terrain Clearance | 30 metres |
| Spectrometer Sensor Nominal | |
| Terrain Clearance | 30 metres |
| Flying Speed | 40m / second |

The magnetic and gamma ray spectrometer data were collected in such a manner as to allow comprehensive reprocessing with the advent of new technology. Details of the formats of the processed data records are given in Appendix 2.

3. SURVEY OPERATIONS

3.1 SURVEY BASE

The helicopter survey crew arrived in Zeehan on 22 February 2000 and completed survey operations in a Bell "Jet Ranger" helicopter leased from Heli-Aust Pty Ltd on 27 February.

3.2 FLIGHT PLANNING

Flight planning for the survey area was implemented using proprietary software and reviewed with the Client's representative prior to commencement of operations. A flight path plot of the area is contained in Appendix 1. The project is located in UTM Zone 55.

3.3 FLIGHT PATH CONTROL

Navigation was determined in flight, based on real time differential GPS, by using an Ashtech G12 receiver and Geo Instruments software for pilot guidance. The position solution from the receiver was obtained using signals from the U.S. Global Positioning System (GPS) with differential corrections supplied by the Omnistar differential service. Altitude control is derived from the radar altimeter.

The flight navigation data recorded in the helicopter were post processed at the survey base using the commercial software package "GRAFNAV" by Waypoint Consulting. Positional data recorded at a GPS base are used to differentially correct the helicopter's navigation data. This new positional information is accurate to one metre for X and Y and five metres for Z, and is the basis for the further data processing.

3.4 SURVEY PLATFORM

Helicopter: Bell Helicopter 206B "Jet Ranger"
Registration: VH-JWF
Contracted From: Heli-Aust Pty Ltd, Bankstown, NSW
Endurance: 3.2 hours fully loaded
Survey Speed: 40 m/sec

3.5 WEATHER DETAILS

The Henty survey area experienced rain and low cloud precluding airborne operations on 22, 23, 24 (morning only) and 26 February. Strong winds were observed on 25 February.

3.6 SAFETY MANAGEMENT

Geo Instruments considers that flying safety results from the conscientious application of the Air Navigation Regulations in regard to Rules of the Air and observance of aircraft maintenance requirements.

Heli-Aust is required by law to have an Operations Manual approved by the relevant Civil Aviation Authority before any flying operation can be carried out and this document is available for inspection at each company's office. Routine checks by the Civil Aviation Authority ensure that all operations and maintenance meet the requirements of the law. Further, each pilot has been extensively trained in low level and instrument flying. Pilots are only employed after comprehensive assessment of experience and ability.

There were no aviation incidents during the implementation of the Henty airborne survey.

Vehicle usage and driving habits are constantly under review by the company's management and particular attention is paid to remote area survival techniques. Geo Instruments believes there is no substitute for experience, and no inexperienced staff are used in any phase of the operations unless they are accompanied by an experienced equivalent.

There were no vehicle-related accidents during this program.

3.7 ENVIRONMENTAL MANAGEMENT

The aircraft operations are generally non-polluting except for noise associated with take-off and landing. All operations were conducted during normal day time and no complaints were received regarding noise. Extreme care was maintained during all refuelling operations to eliminate the risk of fuel spillage or fire.

Ground operations are minor, usually focused around the survey bases. Common sense rules apply to these tasks with particular reference to religious buildings or sites, traditional sites, residential areas, access paths, etc. Any staff responsible for damaging property or land are liable for dismissal.

4. PERSONNEL

Survey management and geophysical personnel were provided by Geo Instruments Pty Ltd of Sydney. All helicopter survey pilots were provided by Heli-Aust Pty Ltd of Bankstown Airport, NSW. In field quality control was undertaken at the survey base and data corrections, image processing and map production were undertaken by Geo Instruments Pty Ltd.

Field Operations

| | |
|-----------------------|--------------|
| Field Project Manager | Zoltan Beldi |
| Pilot | Sam Borg |
| Operator | Pat Healy |

Data Processing

| | |
|----------------|------------|
| Data Processor | Anton Rada |
|----------------|------------|

Supervision

| | |
|-------------------------|---------------|
| Client's Representative | Michael House |
|-------------------------|---------------|

5. GEOPHYSICAL EQUIPMENT

5.1 MAGNETOMETER

The helicopter survey was flown using a Geometrics G-822A ultra-high sensitivity Caesium Vapour Magnetometer sensor system. This sensor provides a Larmor signal that is processed by high precision counters embedded within the automatic compensator described in 5.2 below, to provide an operating range of 20,000 to 100,000 nT.

The sensor, pre-amplifier and three axis fluxgate magnetometer for compensation were mounted in a "boom", made entirely from aluminium, attached to the front of the helicopter. The distance from the sensor to the forward extremity of the helicopter was 3m. Real time compensation for the aircraft's magnetic field was achieved with the automatic digital compensation described below.

Magnetometer specifications:

| | |
|------------------------------|--------------------|
| Nominal Sensitivity | 0.001 nT |
| Still Air RMS Noise | 0.05 nT |
| Digital Recording Resolution | 0.01 nT |
| Magnetic Gradient Tolerance | >20,000 nT / metre |
| Sample Time | 0.10 sec. |
| Sample Distance | 4 metres |

5.2 AUTOMATIC COMPENSATOR

An RMS Instruments, automatic digital compensator, model AADCII, was used to correct for the magnetic interference caused by the aircraft itself and the effects of it manoeuvring in the earth's magnetic field. The signal from the magnetometer is compensated in real time and preserved without aliasing or phase distortion. The raw, uncompensated magnetic data also are recorded.

5.3 SPECTROMETER

An Exploranium GR-820 Gamma Ray Spectrometer was used to sample the full energy spectrum by 256 channels in addition to the standard energy windows (regions of interest or ROI's) for the gamma radiation from Tl^{208} , Bi^{214} , K^{40} , Total Count and Cosmic sources. Values were recorded at the end of each second, corresponding to each fiducial.

The gamma ray spectrometer was interfaced to a NaI (TI) thermally insulated detecting crystal pack with a total volume of 16.4 litres. The detector pack was mounted in the rear baggage compartment of the helicopter.

The GR-820 measures the pulses generated by the crystal detector and controls the gain of each individual detector element by reference to the natural radiation emanating from the ground. The isotope selected for the gain control is determined during the survey and depends on the concentration observed during flights covering tie lines. Thorium was chosen as the stabilising element for the spectrometer in the helicopter.

All 256 channels of radiometric data were recorded in addition to the five differential ROI windows, defined as follows:

| Element | Energy Level (MeV) | Channel No. |
|-------------|--------------------|-------------|
| Total Count | 0.40 - 2.81 | 34 - 224 |
| K - 40 | 1.37 - 1.57 | 109 - 125 |
| Bi - 214 | 1.66 - 1.86 | 133 - 149 |
| Tl - 208 | 2.41 - 2.81 | 194 - 224 |
| Cosmic | 3.0 - 6.0 | |

The ROI window data have been corrected for instrument dead time and the raw digital 256 channel recording contains uncorrected values.

5.4 ALTIMETER, BAROMETER AND THERMOMETER

A Collins ALT-50 radar altimeter system was installed in the helicopter. This controls the pilot's analogue indicator and provides a terrain clearance display from 0 to 750 metres (0 to 2,500 ft.) above ground level. This is the primary instrument used to maintain a consistent terrain clearance. The output of the altimeter is 4 mV/ft and it can be read to a resolution of 1 mV for 0.305 metres.

The reference height above the geoid (WGS84) used for data purposes, was derived from the differentially corrected height value provided by the GPS receiver. The GPS altitude was recorded in digital format by the acquisition system, in synchronisation with the spectrometer, every second. The radar altimeter height was recorded every 0.1 second.

A Sentra barometric altimeter with a precision of 0.1 Hpa was mounted within the cabin.

A Geo Instruments thermometer with a resolution of 0.1°C was mounted underneath the helicopter cowling.

5.5 GPS NAVIGATION SYSTEM

An Ashtech G12 receiver was used for navigation. The accuracy is better than 5m rms using Differential GPS post processing. The GPS antenna was mounted approximately one metre behind the Caesium Vapour Magnetometer sensor on the boom.

Navigation data recorded at a GPS base site were used to differentially correct the aircraft's positional data. GPS co-ordinates were referenced to the WGS84 spheroid and converted to AGD66 coordinates during data processing.

5.6 DATA ACQUISITION SYSTEM

The Geo Instruments G2002 digital acquisition system is based on the IBM PC AT architecture. The system is fitted with several modules tailored to condition the input data from the various sensing instruments. A custom written software package facilitates the following;

- (a) Correct synchronisation of the data streams,
- (b) Formatting of all data received,
- (c) Extended error checking of all parameters,
- (d) Visual data presentation for monitoring purposes,
- (e) Generation and distribution of synchronising fiducial numbers,
- (f) Recording of data to magnetic media,
- (g) Calculation of position and provision of steering display for pilot.

5.7 BASE STATION MAGNETOMETER

Two Geometrics G-823 caesium vapour magnetometers were used as the base station magnetometer and back-up base magnetometer. The base stations were located 300m east of the Heemskirk Motel in Zeehan. These instruments were used to record the diurnal variations in the earth's magnetic field, and were run continuously throughout periods of survey flying. Power was provided by a bank of external batteries and solar panels.

Digital recordings from this instrument were made every 5 seconds with a resolution of 0.001nT and an accuracy of better than 0.1nT. The base station time was synchronised with the airborne magnetometer. All diurnal base station magnetometer data form part of the delivered digital information and individual records are not included in this report.

Diurnal activity was classed as active throughout the survey.

6. CALIBRATIONS

6.1 MAGNETOMETER

The Geometrics G-822A Caesium vapour magnetometer operates on a split-beam principle with a constant relationship between the earth's magnetic field and the Larmor frequency (the frequency with which gyromagnetic moments precess in a magnetic field). It is therefore not subject to instrumental drift and does not require calibration.

6.2 HEADING AND PARALLAX ERRORS

The heading error correction was determined by flying a clover leaf pattern, on survey line headings, at high altitude (nominally 6,000ft), using the GPS to control precise line positioning.

A flight was performed prior to the survey to determine the parallax error in the system, by flying at survey altitude over a magnetic body in opposite directions. Additional corrections may be applied during the processing to eliminate any herringbone effect visible in the data.

6.3 MAGNETIC COMPENSATION PROCEDURE

Magnetic compensation was undertaken prior to the start of the survey and after each aircraft maintenance check, or whenever any equipment was changed. The procedure for deriving the compensation for the automatic airborne digital compensator (AADC) is as follows:

The aircraft is configured in the mode which will be used for the survey, that is, all survey equipment is switched on. The aircraft battery must be in fully charged state and no extraneous objects must be on board which may affect the magnetic signature of the aircraft.

The aircraft is flown at an altitude which ensures sufficient terrain clearance to provide a geomagnetic gradient of less than 20nT/km. Once this parameter is achieved the aircraft is manoeuvred in the pitch, roll and yaw planes successively whilst heading in all four cardinal directions. During these manoeuvres, the AADC acquires the data from the magnetometer sensor and the three component fluxgate magnetometer in a special calibration mode. At the conclusion of the manoeuvres, the AADC performs a series of calculations and derives a set of coefficients which are then applied to all successive magnetometer readings on survey to remove the varying effect of the aircraft's manoeuvres in the earth's magnetic field.

A final set of 10° pitch, roll and yaw manoeuvres is flown for 30 seconds on each heading, in the opposing flight directions of both the survey traverse lines and the tie lines in order to verify the improvement provided by the compensation. A typical compensation box is presented in Appendix 4.

6.4 RADIOMETRICS

6.4.1 Calibration Factors

The spectrometer system was calibrated over the AGSO calibration pads at Canberra on 6 January 2000. The Bairnsdale Hover Range in Victoria was surveyed on January 8 to establish aircraft background and radio-element conversion coefficients. Details of all calibration procedures and results are presented in Appendix 3.

6.4.2 Daily, Pre and Post Flight Checks

The detector was aligned prior to each day's flight using a thorium source and checked for drift at the conclusion of the day. In flight, drift is kept to a minimum by the automatic gain control mechanism built into the GR-820 spectrometer. This constantly monitors the selected reference peak and adjusts the gain of the crystal detector. An alarm is generated whenever the gain drift exceeds nominal tolerances and the GR-820 is unable to correct the drift.

Pre and post flight checks of sensitivity and stability were undertaken using a pure uranium and a pure thorium sample. The background was recorded first with the samples well out of detection range, then with the thorium and uranium sources in range in turn, and then background again. The average background is deducted from the source readings. The thorium sample responses were reviewed routinely and the sensitivities were generally well within the +/- 5% specifications.

Both pre and post flight sample measurements are recorded in analogue and digital forms.

6.4.3 Daily Test Line

A test line of at least 100 seconds duration was established over flat ground along a north-south road to the north of Zeehan airstrip. The test line is flown before and following each day's surveying to assess the repeatability of the system pre- and post- data collection.

The helicopter test line data files are prefixed by "E" for the pre-survey test line and "G" for the post-survey test line.

76.5 POSITION

6.5.1 Positional Control of Survey Data

The GPS base station was located at the Heemskirk Motel in Zeehan.

6.5.2 Altimeters

The radar altimeter and barometric altimeter were calibrated against GPS height and a laser altimeter by multi-level flights at Bruthen and Lake King in Victoria, prior to the flying program at Henty.

7. DATA PROCESSING

7.1 IN-FIELD DATA VERIFICATION

The field party leader at the survey base conducted an analysis of the newly acquired data using both proprietary company software and commercial software including "Geosoft" and "ChrisDBF". At the survey base the post-processed GPS position information was merged with the geophysical data and then subjected to the following checks:

- a) Speed correlation,
- b) Identification of spikes
- c) Verification that adequate flight path coverage was achieved,
- d) Checking flight line spacing and terrain clearance tolerances.
- e) Conformity to Contract specifications.

The various QC products and on-screen multi-parameter profile displays were reviewed each evening throughout the field data acquisition.

7.2 FINAL PROCESSING

The final data processing was undertaken by Kevron Geophysics Pty Ltd using proprietary Kevron software. All data had previously been checked for abnormalities by the in-field data verification system described in 7.1 above.

7.2.1 Flight Path Recovery

Processing of the differential GPS location data entailed the following steps:

- a) Post-flight differential GPS corrections using "GRAFNAV" differential position processing software.
- b) No fiducial synchronisation is required as both range data and fiducials are synchronised to GPS time.
- c) Merging of positional data with geophysical data.

7.2.2 Magnetic Processing

Having verified all data in the field, the final processing sequence is reduced to the following steps:

- a) Diurnal variation removal.
- b) System parallax removal.
- c) IGRF removal.
- d) Tie line levelling.
- e) Micro levelling.
- f) Addition of the mean diurnal value.
- g) Addition of 5,000 nT datum shift.
- h) Gridding using a 12.5 metre cell size.

The magnetic data have been corrected for regional gradient by subtraction of the IGRF Model for 2000.2 derived from the year 2000 secular variation model. The IGRF was calculated at 100m intervals along the lines and interpolated for each data observation. Diurnal variations and system parallax have been removed. Tie line levelling and microlevelling has been applied as described below. The mean diurnal value has been added to the data and a 5,000 nT datum shift applied. No filters were applied to the data prior to gridding, which was accomplished using the Akima spline gridding algorithm.

Tie-line levelling

The data were levelled using standard tie line levelling procedures in the Intrepid software. The steps involved in the tie line levelling were as follows:

- a) A primary tie line was chosen as a reference tie.
- b) All other ties were levelled to this tie line using 2nd degree polynomial adjustments.
- c) Lines were adjusted on a flight by flight basis to minimise the differences at line/tie crossover points, using 2nd degree polynomial adjustments.
- d) Finally the lines were adjusted individually to minimise crossover differences, using 2nd degree polynomial adjustments.

7.2.3 Radiometric Data Processing

Correction of radiometric data involves the reduction of the 256 channels of raw gamma spectrometer data using the guidelines of Grasty and Minty (1995) and the Noise-Adjusted Singular Value Decomposition (NASVD) noise reduction method. The specific processing steps are described below.

(a) Noise-Adjusted Singular Value Decomposition (NASVD) Smoothing

The signal to noise ration of the multi channel spectra can be substantially enhanced using Noise-Adjusted Singular Value Decomposition (NASVD) as described by Hovgaard and Grasty (1997), Schneider (1998) and Minty (1998). This method involves a general linear transformation of groups of spectra (a whole line or flight), using NASVD to compute the different spectral shapes that make up the measured multi-channel spectra. New multi-channel spectra are created by recombining the statistically significant spectral components. Each spectral component contributes an unequal amount to the features observed in the measured multi-channel spectrum, until a point is reached where the spectral components represent only noise.

The 1st spectral component is the spectral shape that represents most of the features in the measured multi-channel spectra. The 2nd spectral component represents those features not described by the 1st spectral component, etc. By excluding from the recombination those spectral components that do not represent significant features in the measured multi-channel spectra, the resulting reconstructed multi-channel spectra have a much larger signal to noise ratio than the measured multi-channel spectra.

(b) Dead Time Corrections

The raw 256 channel spectra were corrected for spectrometer dead time using the recorded live time and the standard formula.

$$N = \frac{n}{1 - t}$$

where:

N = corrected counts in each second;

n = all counts processed in each second by the ADC; and

t = the recorded dead time, the time taken to process all pulses reaching the detector in one second.

Where the live time (L) is recorded, the dead time t is replaced by $(1-L)$.

(c) Energy Calibration

Energy calibration was undertaken line by line using a maximum of 3 calibration peaks; and a minimum of 2 calibration peaks dependent upon their clear identification in the spectra. The 3 calibration peaks used were Bi 609 at 0.609 Mev, potassium at 1.46 Mev and thorium at 2.615 Mev.

(d) Cosmic and Aircraft Background Correction

Cosmic and aircraft background removal utilised the data recorded in Bairnsdale during January 2000, and required smoothing of the cosmic channel using a 20 point moving average filtered version of the cosmic channel. The combined correction is calculated using:

$$N = a + bC,$$

where:

N = the combined cosmic and aircraft background in each spectral window;

a = the aircraft background in the window (plus a possible small radon component);

C = the cosmic channel count; and

b = the cosmic stripping factor for the window.

The values of a and b for each window are determined from the calibration flights over the sea. Cosmic coefficients and aircraft background count are tabulated below:

| Element | Cosmic Coefficients | Aircraft Background (CPS) |
|-------------|---------------------|---------------------------|
| Total Count | 0.88604 | 46.6 |
| Potassium | 0.76580 | 2.1 |
| Uranium | 0.88110 | 2.3 |
| Thorium | 0.51887 | 4.6 |

(e) Atmospheric Radon

The influence of atmospheric radon has been minimised using the spectral ratio method described by Minty (1992).

The radon coefficients used in the Minty method were:

| AREA | Calibration Constant C1 | Calibration Constant C2 | Integration Time |
|-------|-------------------------|-------------------------|------------------|
| Henty | 1.95 | 0.71 | 400 |

(f) Extraction of Four Standard Windows

The fully processed 256 channel spectra were reduced to the four IAEA (1991) standard windows or Regions of Interest (ROI):

| | |
|-------------|--|
| Total Count | 0.41 to 2.81 Mev (channels 33 to 239) |
| Potassium | 1.37 to 1.57 Mev (channels 116 to 133) |
| Uranium | 1.66 to 1.86 Mev (channels 141 to 158) |
| Thorium | 2.41 to 2.81 Mev (channels 205 to 239) |

g) Spectral Stripping of Standard Window Data

Corrections for Compton stripping and height attenuation (to 25 metres AGL) were applied to the windowed data using constants derived from the pad tests in Canberra and the hover test in Victoria and calculated STP-height. The stripping coefficients were determined by measurement over the AGSO calibration pads and are presented below and in Appendix 5 of this report. Due to the scattering of gamma rays in the air, the three principle stripping ratios (α , β and γ) increase with altitude above the ground. The rate of increase is given by Grasty and Minty (1995) as follows:

| Stripping Ratio | Increase per metre |
|-----------------|--------------------|
| α | 0.0417 |
| β | 0.0066 |
| γ | 0.0097 |

Following adjustment of the stripping ratios for altitude, the corrected (stripped) count rates in the potassium, uranium and thorium channels (N_{KC} , N_{UC} and N_{ThC}) are given by Grasty and Minty (1995) as follows:

$$N_{KC} = \frac{[N_{Th}(\alpha\gamma - \beta) + N_U(a\beta - \gamma) + N_K(1 - a\alpha)]}{A}$$

$$N_{UC} = \frac{[N_{Th}(g\beta - \alpha) + N_U - N_Kg]}{A}$$

$$N_{ThC} = \frac{[N_{Th}(1 - g\gamma) - N_Ua + N_Kag]}{A}$$

where

$$A = 1 - g\gamma - a(\alpha - g\beta).$$

and N_{Th} , N_U and N_K are counts measured in the thorium, uranium and potassium channels respectively.

The Compton coefficients were:

| | | | |
|-------|--------|---|---------|
| alpha | 0.2589 | a | 0.0053 |
| beta | 0.3610 | b | -0.0000 |
| gamma | 0.7559 | g | -0.0005 |

(h) Calculation of Effective Height

The Effective Height, which is the aircraft terrain clearance corrected to Standard Temperature and Pressure was determined as follows:

- Filtering of the temperature field was applied to remove spikes and smooth out the instrument noise.
- Filtering of the barometric pressure field was not required to remove spikes but was applied to smooth out the instrument noise.
- Filtering of the radar altimeter was applied to remove spikes, spurious reflections from groups of tree and very narrow gullies and to smooth out the instrument noise.
- The formula option in the spread sheet editor was used to combine the terrain clearance, pressure and temperature.

$$h_e = \frac{h \times P \times 273}{1013 \times (T + 273)}$$

where:

- h_e = the effective height;
- h = the observed radar altitude in metres;
- T = the measured air temperature in degrees C;
- P = the barometric pressure in millibars.

(i) Height Corrections

The stripped count rates vary exponentially with aircraft altitude. Adjustments for variation in altitude were made using the formula:

$$N_c = N_o e^{-\mu (H - h)}$$

Where N_o = uncorrected counts,

N_c = count rate normalised to height H,

h = measured height above the ground,

H = nominal flight height,

μ = attenuation coefficient for the channel being corrected.

The height attenuation factors per metre were:

Total count 0.006205

Potassium 0.007540

Uranium 0.005060

Thorium 0.006410

(j) Conversion to Ground Radioelement Concentrations

The corrected windowed counts were converted to equivalent ground concentrations of potassium, uranium and thorium using the following expression:

$$C = \frac{N}{S}$$

where:

C = equivalent concentration of the radioelement (K%, U ppm or Th ppm);

S = broad source sensitivity for the window; and

N = count rate for each window, after deadtime, background stripping and height correction.

The broad source sensitivities were derived from the hover measurements conducted in Bairnsdale. The factors were:

Total Count 20.28

Potassium 74.87

Uranium 9.50

Thorium 3.99

(k) Gridding and Microlevelling

The Henty data were gridded at 12.5 metres mesh size for all areas using the Akima spline gridding algorithm. These grids were viewed in ERMapper to detect and rectify any residual levelling problems. Where appropriate the grids were decorrugated to remove double line busts. The line data were then microlevelled.

7.2.4 Digital Terrain Model (DTM) Processing

The digital terrain model is computed from the difference in GPS height of the aircraft above the ellipsoid as measured by GPS and the height above the ground as measured by the radar altitude.

The raw GPS range data recorded internally every one second and ground GPS receivers were post-processed on a daily basis using Waypoint Consulting's "Grafnav" software. Grafnav calculates the position of the aircraft GPS antenna, including longitude, latitude and height relative to the WGS84 reference ellipsoid for each set of range data (every one second). No fiducial synchronisation correction is required as the fiducials and GPS are synchronised to GPS time.

A radar altimeter provided the aircraft's ground clearance, the altimeter data being sampled every tenth of a second. The radar altimeter results are corrected for any drift and lightly smoothed to remove any spikes, spurious reflections or instrument noise.

The raw ground elevation data were then calculated as the difference between the height of the aircraft above the ellipsoid and the height of the aircraft above the ground. These raw elevation data calculated every one second are relative to the WGS84 reference ellipsoid, which were then converted to AHD (Australian Height Datum) values.

The elevation data did not require correction for the vertical separation between the antenna of the aircraft's GPS receiver. The GPS antenna and the radar altimeter sensor are both located on the boom. The digital terrain model information was gridded using the Akima spline gridding algorithm, and 12.5m grid cell size.

DISCLAIMER Not to be used for navigation

This digital terrain model (DTM) has been computed from data generated during the course of an airborne geophysical survey flown at a nominal line spacings and data has been interpolated/gridded between such lines. Every effort has been made to make the model a useful general reference. No guarantee can be made that this model is a true representation of height above sea level and it does contain radar altimeter responses from buildings and dense timber.

Users of this product should be aware of the topographic limitations mapped here within. **Do not use this DTM for navigation purposes.**

8. DELIVERED ITEMS

Maps

1:20,000 flight path map (in field)

Stacked magnetic profiles at 1:20,000 scale (in field)

Grids

Total Magnetic Intensity

Digital Elevation Model

Radiometrics (TC, K, U, Th)

Located Data

Final magnetic, radiometric, topographic and positional data in ASCII format

Digital data delivered on CD-ROM

9. REFERENCES

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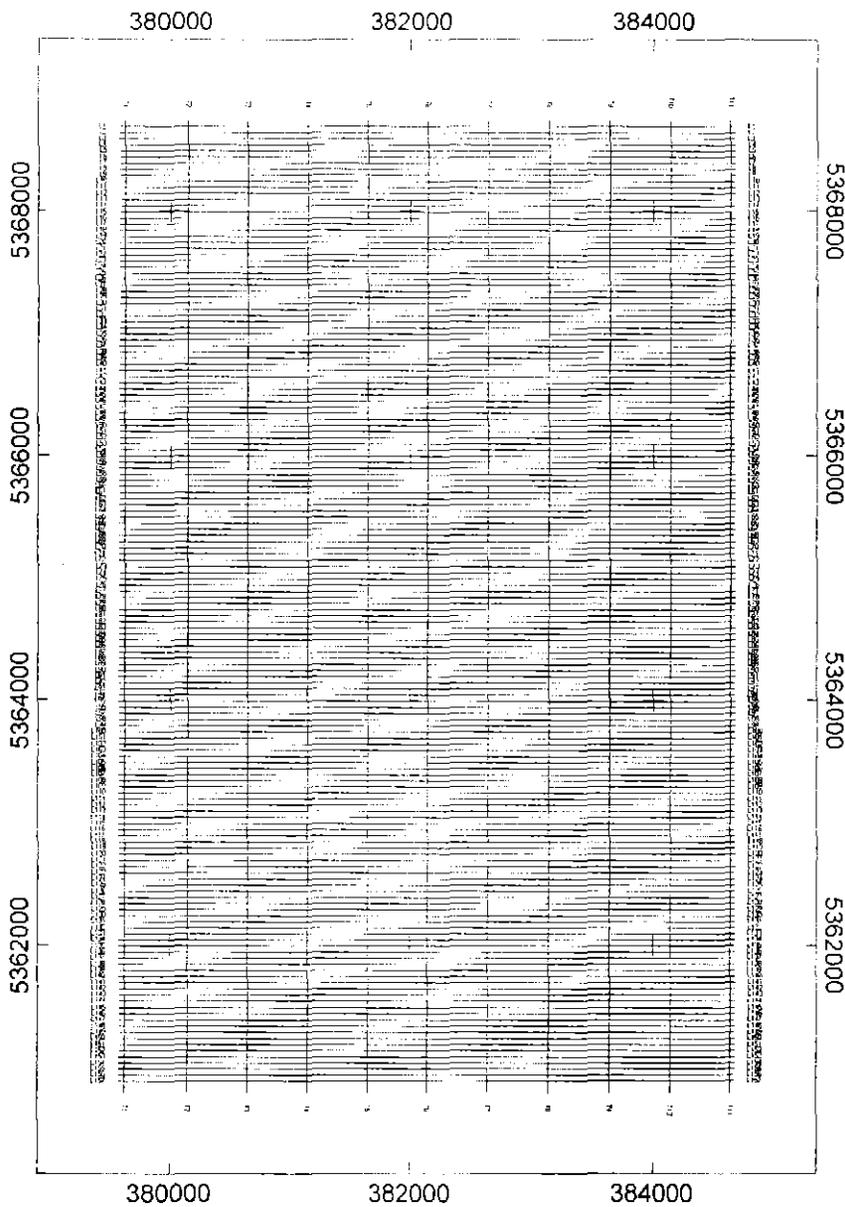
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Jet Ranger Helicopter VH-JWF with Boom Magnetometer,
GPS and Radar Altimeter Installation

APPENDIX 1

**Flight Plan of Area Flown
List of Coordinates of Survey Boundary Lines
Daily Flight Logs**



WGS 84

5 cm



| |
|--|
| GoldFields Exploration Pty Ltd |
| Red Hills Area Western Tasmania Magnetics and Radiometric Airborne Survey Feb 2000 |
| Geoinstruments Pty Ltd 2000 |

File: C:\KEV\REDHILLS\REDHILLS.SUM 2/23/0, 11:36:16PM

Job : C:\KEV\REDHILLS\REDHILLS
 Area :
 Client :

Run by : Z.BELDI

FILE: C:\KEV\REDHILLS\REDHILLS.INP

| VALUES SPECIFIED :- | Traverse | Ties |
|-------------------------------|----------|----------|
| Minimum Dead Segment | 3000.0 m | 3000.0 m |
| Coverage Threshold Percentage | 100.0 % | |
| Line Positioning | AUTO | AUTO |
| Overfly extension | 50.0 m | 100.0 m |
| Supplementary Tieline: Y | | |

AMG Zone 51

WGS 84 COORDS

Boundary lines used...

379638.0, 5360892.0 to 379638.0, 5368642.0
 379638.0, 5368642.0 to 384638.0, 5368642.0
 384638.0, 5368642.0 to 384638.0, 5360892.0
 384638.0, 5360892.0 to 379638.0, 5360892.0

| Type | Dir | Spc | Shortest | Longest | Lines | Tot. Dist |
|----------|------|---------|----------|---------|-------|-----------|
| TRAVERSE | 90.0 | 50.0 m | 5.1 Km | 5.1 Km | 157 | 800.7 Km |
| TIES | 0.0 | 500.0 m | 8.0 Km | 8.0 Km | 11 | 87.5 Km |
| TOTAL | | | | | | 888.2 Km |

File: L:\RedHills\F01\FLOG\F01.LOG 4/3/0, 3:08:03PM

FLIGHT LOG FOR FLIGHT 01 DOY 55 LocalTime 09:55:37 Area 1 Datum = WGS84

| Line | File | Fid | Time | East | North | Len | Alarms |
|----------|------|----------|---------------|--------|---------|-------|--------|
| PRE1.GND | 1 | A0100113 | 0 10:39:46 | 363101 | 5361294 | 0.001 | 0 |
| | | | 241 10:41:47 | 363102 | 5361294 | | |
| PRE.THOR | 2 | B0100211 | 241 10:44:08 | 363101 | 5361294 | 0.000 | 0 |
| | | | 256 10:44:15 | 363101 | 5361294 | | |
| PRE.THOR | 2 | B0100213 | 256 10:46:40 | 363101 | 5361294 | 0.001 | 0 |
| | | | 496 10:48:40 | 363102 | 5361294 | | |
| PRE.URNM | 3 | C0100311 | 496 10:50:17 | 363101 | 5361294 | 0.000 | 0 |
| | | | 736 10:52:17 | 363101 | 5361294 | | |
| PRE2.GND | 4 | D0100411 | 736 10:53:14 | 363101 | 5361294 | 0.000 | 0 |
| | | | 976 10:55:14 | 363101 | 5361294 | | |
| PRE.TEST | 5 | E0100511 | 976 11:08:10 | 364865 | 5364084 | 2.920 | 1 |
| | | | 1196 11:09:59 | 363036 | 5361808 | | |
| PRE.ALTB | 6 | F0100611 | 1196 11:12:34 | 364788 | 5361303 | 4.958 | 1787 |
| | | | 2046 11:20:38 | 369727 | 5360875 | | |
| TIE.LINE | 1 | T0100111 | 2046 11:29:39 | 379493 | 5369042 | 8.323 | 6 |
| | | | 2681 11:34:56 | 379643 | 5360720 | | |
| TIE.LINE | 2 | T0100211 | 2681 11:35:56 | 380140 | 5360809 | 7.971 | 0 |
| | | | 3261 11:40:46 | 380143 | 5368780 | | |
| TIE.LINE | 3 | T0100311 | 3261 11:41:27 | 380635 | 5368749 | 8.010 | 0 |
| | | | 3916 11:46:55 | 380644 | 5360739 | | |
| TIE.LINE | 4 | T0100411 | 3916 11:47:45 | 381141 | 5360789 | 8.012 | 0 |
| | | | 4596 11:53:25 | 381142 | 5368801 | | |
| TIE.LINE | 5 | T0100511 | 4596 11:54:07 | 381637 | 5368742 | 8.007 | 0 |
| | | | 5151 11:58:45 | 381641 | 5360735 | | |
| TIE.LINE | 6 | T0100611 | 5151 12:00:41 | 382145 | 5360792 | 8.022 | 0 |
| | | | 5811 12:06:11 | 382139 | 5368814 | | |
| TIE.LINE | 7 | T0100711 | 5811 12:07:11 | 382643 | 5368749 | 8.017 | 0 |
| | | | 6476 12:12:43 | 382644 | 5360732 | | |
| TIE.LINE | 8 | T0100811 | 6476 12:13:52 | 383142 | 5360790 | 7.997 | 0 |
| | | | 7171 12:19:40 | 383139 | 5368787 | | |
| TIE.LINE | 9 | T0100911 | 7171 12:20:26 | 383646 | 5368750 | 7.990 | 0 |
| | | | 7881 12:26:21 | 383644 | 5360760 | | |

File: L:\RedHills\F01\FLOG\F01.LOG 4/3/0, 3:08:03PM

| | | | | | | | | |
|----------|----|----------|------|----------|--------|---------|-------|-----|
| TIE.LINE | 10 | T0101011 | 7881 | 12:27:23 | 384140 | 5360790 | | |
| | | | 8506 | 12:32:35 | 384139 | 5368773 | 7.983 | 0 |
| TIE.LINE | 11 | T0101111 | 8506 | 12:33:48 | 384644 | 5368725 | | |
| | | | 9066 | 12:38:28 | 384644 | 5360704 | 8.021 | 0 |
| TIE.LINE | 1 | T0100112 | 9066 | 12:38:49 | 384288 | 5360290 | | |
| | | | 9416 | 12:41:45 | 376826 | 5360391 | 7.463 | 483 |

FLIGHT LOG FOR FLIGHT 02 DOY 55 LocalTime 13:39:48 Area 1 Datum = WGS84

| Line | File | Fid | Time | East | North | Len | Alarms |
|----------|------|----------|--------------------------------|------------------|--------------------|-------|--------|
| TRAVERSE | 1 | L0200111 | 0 13:53:56 566 13:58:38 | 379588 384715 | 5368702 5368690 | 5.127 | 0 |
| TRAVERSE | 2 | L0200211 | 566 13:58:57 1091 14:03:19 | 384695 379499 | 5368634 5368646 | 5.196 | 0 |
| TRAVERSE | 3 | L0200311 | 1091 14:03:53 1671 14:08:43 | 379587 384716 | 5368597 5368588 | 5.129 | 0 |
| TRAVERSE | 4 | L0200411 | 1671 14:09:05 2206 14:13:32 | 384693 379554 | 5368533 5368540 | 5.139 | 0 |
| TRAVERSE | 5 | L0200511 | 2206 14:14:01 2771 14:18:44 | 379600 384721 | 5368495 5368496 | 5.121 | 0 |
| TRAVERSE | 6 | L0200611 | 2771 14:19:12 3251 14:23:12 | 384679 379550 | 5368439 5368443 | 5.129 | 0 |
| TRAVERSE | 7 | L0200711 | 3251 14:25:05 3836 14:29:57 | 379595 384717 | 5368392 5368391 | 5.122 | 0 |
| TRAVERSE | 8 | L0200811 | 3836 14:30:23 4356 14:34:43 | 384696 379503 | 5368338 5368343 | 5.193 | 0 |
| TRAVERSE | 9 | L0200911 | 4356 14:35:12 4921 14:39:55 | 379603 384753 | 5368296 5368294 | 5.150 | 0 |
| TRAVERSE | 10 | L0201011 | 4921 14:40:21 5456 14:44:49 | 384691 379516 | 5368240 5368243 | 5.175 | 0 |
| TRAVERSE | 11 | L0201111 | 5456 14:45:17 6071 14:50:25 | 379584 384717 | 5368194 5368194 | 5.133 | 0 |
| TRAVERSE | 12 | L0201211 | 6071 14:50:56 6586 14:55:13 | 384700 379561 | 5368141 5368141 | 5.139 | 0 |
| TRAVERSE | 13 | L0201311 | 6586 14:55:42 7176 15:00:37 | 379591 384740 | 5368094 5368092 | 5.149 | 0 |
| TRAVERSE | 14 | L0201411 | 7176 15:02:00 7666 15:06:05 | 384689 379541 | 5368039 5368042 | 5.148 | 0 |
| TRAVERSE | 15 | L0201511 | 7666 15:06:23 8191 15:10:46 | 379586 384730 | 5367994 5367991 | 5.144 | 0 |
| TRAVERSE | 16 | L0201611 | 8191 15:11:12 8671 15:15:13 | 384682 379549 | 5367937 5367942 | 5.133 | 0 |
| TRAVERSE | 17 | L0201711 | 8671 15:15:33 9236 15:20:15 | 379584 384716 | 5367895 5367886 | 5.132 | 0 |

File: L:\RedHills\F02\FLOG\F02.LOG 4/3/0, 3:09:11PM

| | | | | | | |
|----------|----|----------|----------------------------------|----------------------------------|-------|---|
| TRAVERSE | 18 | L0201811 | 9236 15:20:45 9781 15:25:17 | 384692 5367838 379552 5367837 | 5.140 | 0 |
| TRAVERSE | 19 | L0201911 | 9781 15:25:40 10256 15:29:37 | 379604 5367794 384717 5367788 | 5.113 | 0 |
| TRAVERSE | 20 | L0202011 | 10256 15:30:50 10716 15:34:40 | 384687 5367739 379503 5367743 | 5.184 | 0 |
| TRAVERSE | 21 | L0202111 | 10716 15:35:05 11156 15:38:46 | 379598 5367693 384721 5367689 | 5.123 | 0 |
| TRAVERSE | 22 | L0202211 | 11156 15:39:09 11561 15:42:31 | 384686 5367638 379526 5367637 | 5.160 | 0 |
| TRAVERSE | 23 | L0202311 | 11561 15:42:48 11991 15:46:23 | 379587 5367597 384743 5367594 | 5.156 | 0 |
| TRAVERSE | 24 | L0202411 | 11991 15:46:39 12421 15:50:14 | 384697 5367538 379552 5367536 | 5.145 | 0 |
| TRAVERSE | 25 | L0202511 | 12421 15:50:31 12691 15:52:46 | 379576 5367489 382818 5367497 | 3.242 | 1 |
| POST.TST | 8 | G0200811 | 12691 16:00:22 12916 16:02:15 | 364857 5364077 362996 5361752 | 2.978 | 0 |
| PST1.GND | 9 | I0200911 | 12916 16:06:17 13156 16:08:17 | 363101 5361296 363101 5361296 | 0.000 | 0 |
| POST.THM | 10 | J0201011 | 13156 16:09:59 13396 16:11:59 | 363101 5361295 363102 5361296 | 0.001 | 0 |
| POST.URN | 11 | K0201111 | 13396 16:13:38 13636 16:15:38 | 363101 5361296 363101 5361297 | 0.001 | 0 |
| PST2.GND | 12 | M0201211 | 13636 16:17:00 13876 16:19:00 | 363101 5361297 363101 5361296 | 0.001 | 0 |

File: L:\RedHills\F03\FLOG\F03.LOG 4/3/0, 3:09:20PM

FLIGHT LOG FOR FLIGHT 03 DOY 56 LocalTime 08:33:05 Area 1 Datum = WGS84

| Line | File | Fid | Time | East | North | Lon | Alarms |
|----------|-------------|------|----------|--------|---------|-------|--------|
| PRE1.GND | 1 A0300111 | 0 | 08:34:36 | 363101 | 5361294 | | |
| | | 241 | 08:36:36 | 363101 | 5361294 | 0.000 | 0 |
| PRE.THOR | 2 B0300211 | 241 | 08:38:43 | 363101 | 5361294 | | |
| | | 481 | 08:40:43 | 363101 | 5361294 | 0.000 | 0 |
| PRE.URNM | 3 C0300311 | 481 | 08:42:16 | 363101 | 5361294 | | |
| | | 726 | 08:44:18 | 363101 | 5361294 | 0.000 | 0 |
| PRE2.GND | 4 D0300411 | 726 | 08:45:13 | 363101 | 5361294 | | |
| | | 966 | 08:47:13 | 363101 | 5361294 | 0.000 | 0 |
| PRE.TEST | 5 E0300512 | 966 | 08:56:34 | 363040 | 5361815 | | |
| | | 1191 | 08:58:26 | 364888 | 5364116 | 2.951 | 0 |
| TRAVERSE | 25 L0302512 | 1191 | 09:06:11 | 379591 | 5367492 | | |
| | | 1471 | 09:08:31 | 382196 | 5367498 | 2.605 | 1 |
| TRAVERSE | 40 L0304011 | 1471 | 09:10:45 | 379586 | 5366738 | | |
| | | 1986 | 09:15:03 | 384780 | 5366737 | 5.194 | 0 |
| TRAVERSE | 41 L0304111 | 1986 | 09:15:33 | 384691 | 5366694 | | |
| | | 2446 | 09:19:22 | 379531 | 5366693 | 5.160 | 0 |
| TRAVERSE | 42 L0304211 | 2446 | 09:19:47 | 379579 | 5366641 | | |
| | | 2921 | 09:23:45 | 384722 | 5366639 | 5.143 | 0 |
| TRAVERSE | 43 L0304311 | 2921 | 09:24:08 | 384674 | 5366591 | | |
| | | 3396 | 09:28:05 | 379547 | 5366591 | 5.127 | 0 |
| TRAVERSE | 44 L0304411 | 3396 | 09:28:42 | 379585 | 5366538 | | |
| | | 3846 | 09:32:27 | 384766 | 5366543 | 5.181 | 0 |
| TRAVERSE | 45 L0304511 | 3846 | 09:32:57 | 384684 | 5366488 | | |
| | | 4326 | 09:36:57 | 379544 | 5366491 | 5.140 | 0 |
| TRAVERSE | 46 L0304611 | 4326 | 09:37:35 | 379572 | 5366441 | | |
| | | 4741 | 09:41:02 | 384727 | 5366441 | 5.155 | 0 |
| TRAVERSE | 47 L0304711 | 4741 | 09:41:31 | 384680 | 5366389 | | |
| | | 5141 | 09:44:51 | 379562 | 5366388 | 5.118 | 0 |
| TRAVERSE | 48 L0304811 | 5141 | 09:47:06 | 379587 | 5366341 | | |
| | | 5531 | 09:50:21 | 384756 | 5366342 | 5.169 | 0 |
| TRAVERSE | 49 L0304911 | 5531 | 09:50:48 | 384679 | 5366289 | | |
| | | 5926 | 09:54:06 | 379559 | 5366288 | 5.120 | 0 |
| TRAVERSE | 50 L0305011 | 5926 | 09:54:43 | 379579 | 5366239 | | |
| | | 6326 | 09:58:03 | 384753 | 5366238 | 5.174 | 0 |

File: L:\RedHills\F03\FLOG\F03.LOG 4/3/0, 3:09:20PM

| | | | | | | |
|----------|----|----------|----------------------------------|----------------------------------|-------|----|
| TRAVERSE | 51 | L0305111 | 6326 09:58:28 6696 10:01:33 | 384697 5366191 379555 5366188 | 5.142 | 0 |
| TRAVERSE | 52 | L0305211 | 6696 10:01:58 7081 10:05:11 | 379580 5366140 384716 5366141 | 5.136 | 0 |
| TRAVERSE | 53 | L0305311 | 7081 10:06:23 7476 10:09:41 | 384701 5366079 379554 5366090 | 5.147 | 25 |
| TRAVERSE | 54 | L0305411 | 7476 10:10:11 7831 10:13:09 | 379572 5366040 384720 5366037 | 5.148 | 0 |
| TRAVERSE | 55 | L0305511 | 7831 10:13:35 8196 10:16:38 | 384676 5365985 379550 5365989 | 5.126 | 0 |
| TRAVERSE | 56 | L0305611 | 8196 10:18:47 8566 10:21:52 | 379586 5365943 384725 5365946 | 5.139 | 0 |
| TRAVERSE | 57 | L0305711 | 8566 10:22:27 8936 10:25:32 | 384696 5365886 379545 5365892 | 5.151 | 0 |
| TRAVERSE | 58 | L0305811 | 8936 10:25:58 9276 10:28:48 | 379596 5365841 384755 5365841 | 5.159 | 0 |
| TRAVERSE | 59 | L0305911 | 9276 10:29:06 9621 10:31:58 | 384697 5365786 379513 5365792 | 5.184 | 0 |
| TRAVERSE | 60 | L0306011 | 9621 10:32:19 9976 10:35:17 | 379576 5365741 384718 5365741 | 5.142 | 0 |
| TRAVERSE | 61 | L0306111 | 9976 10:35:43 10331 10:38:41 | 384664 5365689 379558 5365690 | 5.106 | 0 |
| TRAVERSE | 62 | L0306211 | 10331 10:39:07 10671 10:41:57 | 379583 5365637 384758 5365640 | 5.175 | 3 |
| TRAVERSE | 63 | L0306311 | 10671 10:42:25 11006 10:45:13 | 384690 5365589 379556 5365590 | 5.134 | 0 |
| TRAVERSE | 64 | L0306411 | 11006 10:45:37 11356 10:48:31 | 379584 5365541 384759 5365540 | 5.175 | 0 |
| TRAVERSE | 25 | L0302513 | 11356 10:51:27 11761 10:54:50 | 384692 5367493 379558 5367493 | 5.134 | 0 |
| TRAVERSE | 26 | L0302611 | 11761 10:55:13 12196 10:58:51 | 379594 5367446 384720 5367442 | 5.126 | 0 |
| TRAVERSE | 27 | L0302711 | 12196 10:59:18 12651 11:03:05 | 384698 5367392 379505 5367394 | 5.193 | 0 |
| TRAVERSE | 28 | L0302811 | 12651 11:03:26 13081 11:07:01 | 379576 5367352 384732 5367341 | 5.156 | 0 |
| TRAVERSE | 29 | L0302911 | 13081 11:07:27 13531 11:11:12 | 384686 5367281 379539 5367290 | 5.147 | 3 |
| TRAVERSE | 30 | L0303011 | 13531 11:11:35 | 379593 5367246 | | |

File: L:\RedHills\F04\FLOG\F04.LOG 4/3/0, 3:09:27PM

| | | | | | |
|--------------|----------|----------------------------------|----------------------------------|-------|---|
| TRAVERSE 132 | L0413211 | 6236 14:30:11 6636 14:33:31 | 384705 5362139 379548 5362140 | 5.157 | 0 |
| TRAVERSE 133 | L0413311 | 6636 14:34:07 7126 14:38:12 | 379595 5362094 384735 5362094 | 5.140 | 0 |
| TRAVERSE 134 | L0413411 | 7126 14:38:45 7516 14:42:00 | 384696 5362040 379502 5362039 | 5.194 | 0 |
| TRAVERSE 135 | L0413511 | 7516 14:42:48 8036 14:47:08 | 379593 5361992 384713 5361993 | 5.120 | 0 |
| TRAVERSE 136 | L0413611 | 8036 14:47:43 8436 14:51:03 | 384701 5361941 379561 5361941 | 5.140 | 0 |
| TRAVERSE 137 | L0413711 | 8436 14:51:46 8901 14:55:39 | 379585 5361895 384721 5361891 | 5.136 | 0 |
| TRAVERSE 138 | L0413811 | 8901 14:56:15 9311 14:59:40 | 384690 5361843 379548 5361846 | 5.142 | 0 |
| TRAVERSE 139 | L0413911 | 9311 15:01:52 9731 15:05:22 | 379608 5361791 384718 5361791 | 5.110 | 0 |
| TRAVERSE 140 | L0414011 | 9731 15:06:01 10146 15:09:29 | 384704 5361742 379543 5361740 | 5.161 | 0 |
| TRAVERSE 141 | L0414111 | 10146 15:10:08 10566 15:13:38 | 379599 5361693 384717 5361693 | 5.118 | 0 |
| TRAVERSE 142 | L0414211 | 10566 15:14:09 10971 15:17:31 | 384680 5361653 379504 5361641 | 5.176 | 0 |
| TRAVERSE 143 | L0414311 | 10971 15:18:16 11416 15:21:58 | 379603 5361594 384735 5361592 | 5.132 | 0 |
| TRAVERSE 144 | L0414411 | 11416 15:22:47 11796 15:25:57 | 384693 5361545 379534 5361541 | 5.159 | 0 |
| TRAVERSE 145 | L0414511 | 11796 15:26:46 12246 15:30:32 | 379582 5361496 384718 5361495 | 5.136 | 0 |
| TRAVERSE 146 | L0414611 | 12246 15:31:40 12621 15:34:48 | 384673 5361448 379556 5361442 | 5.117 | 0 |
| TRAVERSE 147 | L0414711 | 12621 15:35:30 13091 15:39:25 | 379600 5361393 384754 5361393 | 5.154 | 0 |
| TRAVERSE 148 | L0414811 | 13091 15:40:02 13501 15:43:27 | 384668 5361343 379545 5361341 | 5.123 | 0 |
| TRAVERSE 149 | L0414911 | 13501 15:44:08 13956 15:47:56 | 379585 5361294 384749 5361293 | 5.164 | 0 |
| TRAVERSE 150 | L0415011 | 13956 15:48:47 14346 15:52:02 | 384692 5361244 379537 5361243 | 5.155 | 0 |
| TRAVERSE 151 | L0415111 | 14346 15:52:40 | 379586 5361192 | | |

File: L:\RedHills\F04\FLOG\F04.LOG 4/3/0, 3:09:27PM

| | | | | | | | | |
|----------|-----|----------|-------|----------|--------|---------|-------|---|
| | | | 14786 | 15:56:20 | 384771 | 5361189 | 5.185 | 0 |
| TRAVERSE | 152 | L0415211 | 14786 | 15:56:58 | 384668 | 5361139 | | |
| | | | 14801 | 15:57:06 | 384421 | 5361131 | 0.247 | 1 |
| TRAVERSE | 152 | L0415212 | 14801 | 16:00:40 | 384659 | 5361140 | | |
| | | | 15176 | 16:03:47 | 379560 | 5361141 | 5.099 | 0 |
| TRAVERSE | 153 | L0415311 | 15176 | 16:04:29 | 379579 | 5361093 | | |
| | | | 15621 | 16:08:12 | 384730 | 5361091 | 5.151 | 0 |
| TRAVERSE | 154 | L0415411 | 15621 | 16:08:50 | 384677 | 5361038 | | |
| | | | 15996 | 16:11:57 | 379511 | 5361044 | 5.166 | 0 |
| TRAVERSE | 155 | L0415511 | 15996 | 16:12:44 | 379599 | 5360990 | | |
| | | | 16416 | 16:16:14 | 384716 | 5360990 | 5.117 | 0 |
| TRAVERSE | 156 | L0415611 | 16416 | 16:16:53 | 384678 | 5360933 | | |
| | | | 16766 | 16:19:48 | 379550 | 5360939 | 5.128 | 0 |
| TRAVERSE | 157 | L0415711 | 16766 | 16:20:39 | 379596 | 5360892 | | |
| | | | 17216 | 16:24:24 | 384786 | 5360892 | 5.190 | 0 |
| TRAVERSE | 78 | L0407811 | 17216 | 16:26:55 | 384688 | 5364843 | | |
| | | | 17646 | 16:30:30 | 379547 | 5364839 | 5.141 | 0 |
| TRAVERSE | 79 | L0407911 | 17646 | 16:31:27 | 379582 | 5364794 | | |
| | | | 18051 | 16:34:50 | 384750 | 5364793 | 5.168 | 0 |
| TRAVERSE | 80 | L0408011 | 18051 | 16:35:31 | 384671 | 5364741 | | |
| | | | 18441 | 16:38:46 | 379560 | 5364744 | 5.111 | 0 |
| TRAVERSE | 81 | L0408111 | 18441 | 16:39:20 | 379587 | 5364689 | | |
| | | | 18851 | 16:42:45 | 384767 | 5364695 | 5.180 | 0 |
| TRAVERSE | 82 | L0408211 | 18851 | 16:43:14 | 384692 | 5364638 | | |
| | | | 19286 | 16:46:52 | 379527 | 5364639 | 5.165 | 0 |

File: L:\RedHills\F05\FLOG\F05.LOG 4/3/0, 3:09:35PM

FLIGHT LOG FOR FLIGHT 05 DOY 56 LocalTime 17:07:08 Area 1 Datum = WGS84

| Line | File | Fid | Time | East | North | Len | Alarms |
|--------------|----------|------|----------|--------|---------|-------|--------|
| TRAVERSE 66 | L0506611 | 0 | 17:18:35 | 379599 | 5365442 | | |
| | | 336 | 17:21:22 | 384717 | 5365442 | 5.118 | 0 |
| TRAVERSE 67 | L0506711 | 336 | 17:23:02 | 384691 | 5365388 | | |
| | | 671 | 17:25:50 | 379556 | 5365388 | 5.135 | 0 |
| TRAVERSE 68 | L0506811 | 671 | 17:26:26 | 379591 | 5365341 | | |
| | | 1026 | 17:29:23 | 384725 | 5365337 | 5.134 | 0 |
| TRAVERSE 69 | L0506911 | 1026 | 17:29:51 | 384683 | 5365292 | | |
| | | 1406 | 17:33:01 | 379535 | 5365287 | 5.148 | 0 |
| TRAVERSE 70 | L0507011 | 1406 | 17:33:26 | 379602 | 5365244 | | |
| | | 1811 | 17:36:48 | 384717 | 5365241 | 5.115 | 0 |
| TRAVERSE 71 | L0507111 | 1811 | 17:37:16 | 384674 | 5365191 | | |
| | | 2231 | 17:40:46 | 379531 | 5365192 | 5.143 | 0 |
| TRAVERSE 72 | L0507211 | 2231 | 17:41:09 | 379580 | 5365142 | | |
| | | 2656 | 17:44:42 | 384722 | 5365141 | 5.142 | 0 |
| TRAVERSE 73 | L0507311 | 2656 | 17:45:14 | 384692 | 5365094 | | |
| | | 3116 | 17:49:05 | 379562 | 5365089 | 5.130 | 0 |
| TRAVERSE 74 | L0507411 | 3116 | 17:49:34 | 379577 | 5365038 | | |
| | | 3531 | 17:53:01 | 384743 | 5365041 | 5.166 | 0 |
| TRAVERSE 83 | L0508311 | 3531 | 17:54:04 | 384682 | 5364589 | | |
| | | 4016 | 17:58:06 | 379561 | 5364590 | 5.121 | 0 |
| TRAVERSE 84 | L0508411 | 4016 | 17:58:56 | 379589 | 5364538 | | |
| | | 4451 | 18:02:34 | 384725 | 5364539 | 5.136 | 0 |
| TRAVERSE 85 | L0508511 | 4451 | 18:02:59 | 384696 | 5364484 | | |
| | | 4986 | 18:07:27 | 379548 | 5364489 | 5.148 | 0 |
| TRAVERSE 114 | L0511411 | 4986 | 18:08:35 | 379595 | 5363042 | | |
| | | 5341 | 18:11:33 | 384721 | 5363041 | 5.126 | 0 |
| TRAVERSE 113 | L0511311 | 5341 | 18:12:07 | 384684 | 5363095 | | |
| | | 5736 | 18:15:25 | 379484 | 5363089 | 5.200 | 0 |
| TRAVERSE 112 | L0511211 | 5736 | 18:15:58 | 379595 | 5363141 | | |
| | | 6091 | 18:18:55 | 384746 | 5363146 | 5.151 | 0 |
| TRAVERSE 111 | L0511111 | 6091 | 18:19:26 | 384692 | 5363191 | | |
| | | 6501 | 18:22:51 | 379532 | 5363195 | 5.160 | 0 |
| TRAVERSE 110 | L0511011 | 6501 | 18:23:20 | 379600 | 5363245 | | |
| | | 6851 | 18:26:15 | 384760 | 5363240 | 5.160 | 0 |

File: L:\RedHills\F05\FLOG\F05.LOG 4/3/0, 3:09:35PM

| | | | | | | | | |
|----------|-----|----------|----------------|--------|---------|-------|---|--|
| TRAVERSE | 109 | L0510911 | 6851 18:27:59 | 384677 | 5363293 | | | |
| | | | 7271 18:31:30 | 379550 | 5363291 | 5.127 | 0 | |
| TRAVERSE | 108 | L0510811 | 7271 18:32:05 | 379611 | 5363340 | | | |
| | | | 7656 18:35:17 | 384759 | 5363345 | 5.148 | 2 | |
| TRAVERSE | 107 | L0510711 | 7656 18:36:40 | 384694 | 5363394 | | | |
| | | | 8126 18:40:34 | 379526 | 5363388 | 5.168 | 0 | |
| TRAVERSE | 106 | L0510611 | 8126 18:41:06 | 379592 | 5363441 | | | |
| | | | 8571 18:44:49 | 384765 | 5363444 | 5.173 | 0 | |
| TRAVERSE | 105 | L0510511 | 8571 18:45:22 | 384681 | 5363492 | | | |
| | | | 9086 18:49:40 | 379526 | 5363489 | 5.155 | 0 | |
| POST.TST | 8 | G0500811 | 9086 18:55:17 | 364866 | 5364085 | | | |
| | | | 9296 18:57:02 | 363019 | 5361786 | 2.949 | 0 | |
| PST1.GND | 9 | I0500911 | 9296 18:59:40 | 363102 | 5361294 | | | |
| | | | 9536 19:01:40 | 363102 | 5361296 | 0.002 | 0 | |
| POST.THM | 10 | J0501011 | 9536 19:04:32 | 363102 | 5361295 | | | |
| | | | 9776 19:06:32 | 363101 | 5361294 | 0.001 | 0 | |
| POST.URN | 11 | K0501111 | 9776 19:08:38 | 363101 | 5361294 | | | |
| | | | 10016 19:10:38 | 363102 | 5361294 | 0.001 | 0 | |
| PST2.GND | 12 | M0501211 | 10016 19:12:05 | 363101 | 5361294 | | | |
| | | | 10256 19:14:05 | 363101 | 5361295 | 0.001 | 0 | |

FLIGHT LOG FOR FLIGHT 06 DOY 58 LocalTime 08:08:22 Area 1 Datum = WGS84

| Line | File | Fid | Time | East | North | Len | Alarms |
|----------|-------------|------|----------|--------|---------|-------|--------|
| PRE1.GND | 1 A0600111 | 0 | 08:12:42 | 363101 | 5361295 | | |
| | | 241 | 08:14:42 | 363101 | 5361295 | 0.000 | 0 |
| PRE.THOR | 2 B0600211 | 241 | 08:21:12 | 363101 | 5361296 | | |
| | | 481 | 08:23:12 | 363101 | 5361294 | 0.002 | 0 |
| PRE.URNM | 3 C0600311 | 481 | 08:25:58 | 363101 | 5361296 | | |
| | | 726 | 08:28:01 | 363101 | 5361296 | 0.000 | 0 |
| PRE2.GND | 4 D0600411 | 726 | 08:30:57 | 363101 | 5361295 | | |
| | | 976 | 08:33:01 | 363101 | 5361294 | 0.001 | 0 |
| PRE.TEST | 5 E0600511 | 976 | 08:41:10 | 363035 | 5361811 | | |
| | | 1206 | 08:43:05 | 364890 | 5364115 | 2.958 | 0 |
| TRAVERSE | 86 L0608611 | 1206 | 08:54:40 | 379582 | 5364440 | | |
| | | 1721 | 08:58:57 | 384748 | 5364439 | 5.166 | 34 |
| TRAVERSE | 87 L0608711 | 1721 | 08:59:19 | 384697 | 5364390 | | |
| | | 2251 | 09:03:44 | 379530 | 5364391 | 5.167 | 74 |
| TRAVERSE | 88 L0608811 | 2251 | 09:04:07 | 379577 | 5364339 | | |
| | | 2716 | 09:08:00 | 384735 | 5364342 | 5.158 | 89 |
| TRAVERSE | 89 L0608911 | 2716 | 09:08:21 | 384689 | 5364292 | | |
| | | 3231 | 09:12:39 | 379558 | 5364290 | 5.131 | 121 |
| TRAVERSE | 90 L0609011 | 3231 | 09:13:08 | 379576 | 5364241 | | |
| | | 3711 | 09:17:08 | 384752 | 5364240 | 5.176 | 76 |
| TRAVERSE | 91 L0609111 | 3711 | 09:17:35 | 384688 | 5364191 | | |
| | | 4261 | 09:22:09 | 379556 | 5364193 | 5.132 | 86 |
| TRAVERSE | 92 L0609211 | 4261 | 09:23:16 | 379580 | 5364139 | | |
| | | 4711 | 09:27:01 | 384783 | 5364135 | 5.203 | 98 |
| TRAVERSE | 93 L0609311 | 4711 | 09:27:27 | 384679 | 5364093 | | |
| | | 5171 | 09:31:17 | 379549 | 5364093 | 5.130 | 71 |
| TRAVERSE | 94 L0609411 | 5171 | 09:31:49 | 379590 | 5364041 | | |
| | | 5676 | 09:36:02 | 384795 | 5364045 | 5.205 | 66 |
| TRAVERSE | 95 L0609511 | 5676 | 09:36:31 | 384686 | 5363991 | | |
| | | 6121 | 09:40:14 | 379548 | 5363989 | 5.138 | 104 |
| TRAVERSE | 96 L0609611 | 6121 | 09:40:41 | 379577 | 5363941 | | |
| | | 6586 | 09:44:34 | 384785 | 5363939 | 5.208 | 89 |
| TRAVERSE | 97 L0609711 | 6586 | 09:45:04 | 384680 | 5363890 | | |

File: L:\RedHills\F06\FLOG\F06.LOG 4/3/0, 3:09:42PM

| | | | | | | | | |
|----------|-----|----------|-------|----------|--------|---------|-------|-----|
| | | | 7041 | 09:48:51 | 379520 | 5363890 | 5.160 | 115 |
| TRAVERSE | 98 | L0609811 | 7041 | 09:49:18 | 379598 | 5363839 | | |
| | | | 7491 | 09:53:03 | 384744 | 5363838 | 5.146 | 80 |
| TRAVERSE | 99 | L0609911 | 7491 | 09:53:31 | 384680 | 5363789 | | |
| | | | 7946 | 09:57:19 | 379525 | 5363791 | 5.155 | 122 |
| TRAVERSE | 100 | L0610011 | 7946 | 09:58:11 | 379600 | 5363742 | | |
| | | | 8391 | 10:01:54 | 384723 | 5363740 | 5.123 | 90 |
| TRAVERSE | 101 | L0610111 | 8391 | 10:02:23 | 384697 | 5363689 | | |
| | | | 8861 | 10:06:18 | 379554 | 5363691 | 5.143 | 115 |
| TRAVERSE | 102 | L0610211 | 8861 | 10:06:47 | 379597 | 5363641 | | |
| | | | 9311 | 10:10:32 | 384781 | 5363642 | 5.184 | 106 |
| TRAVERSE | 103 | L0610311 | 9311 | 10:10:58 | 384685 | 5363589 | | |
| | | | 9756 | 10:14:41 | 379498 | 5363589 | 5.187 | 79 |
| TRAVERSE | 104 | L0610411 | 9756 | 10:15:10 | 379589 | 5363539 | | |
| | | | 10191 | 10:18:47 | 384802 | 5363541 | 5.213 | 66 |
| POST.TST | 8 | G0600811 | 10191 | 10:27:53 | 364870 | 5364090 | | |
| | | | 10401 | 10:29:37 | 362993 | 5361750 | 3.000 | 0 |
| PST1.GND | 9 | I0600911 | 10401 | 10:34:06 | 363102 | 5361294 | | |
| | | | 10641 | 10:36:06 | 363102 | 5361294 | 0.000 | 0 |
| POST.THM | 10 | J0601011 | 10641 | 10:37:19 | 363102 | 5361295 | | |
| | | | 10881 | 10:39:19 | 363102 | 5361295 | 0.000 | 0 |
| POST.URN | 11 | K0601111 | 10881 | 10:40:25 | 363102 | 5361295 | | |
| | | | 11121 | 10:42:25 | 363102 | 5361295 | 0.000 | 0 |
| PST2.GND | 12 | M0601211 | 11121 | 10:43:52 | 363102 | 5361295 | | |
| | | | 11361 | 10:45:52 | 363102 | 5361294 | 0.001 | 0 |

APPENDIX 2

Processed Data Formats

Column 121 943-950 spectrum channel 106
Column 122 951-958 spectrum channel 107
Column 123 959-966 spectrum channel 108
Column 124 967-974 spectrum channel 109
Column 125 975-982 spectrum channel 110
Column 126 983-990 spectrum channel 111
Column 127 991-998 spectrum channel 112
Column 128 999-1006 spectrum channel 113
Column 129 1007-1014 spectrum channel 114
Column 130 1015-1022 spectrum channel 115
Column 131 1023-1030 spectrum channel 116
Column 132 1031-1038 spectrum channel 117
Column 133 1039-1046 spectrum channel 118
Column 134 1047-1054 spectrum channel 119
Column 135 1055-1062 spectrum channel 120
Column 136 1063-1070 spectrum channel 121
Column 137 1071-1078 spectrum channel 122
Column 138 1079-1086 spectrum channel 123
Column 139 1087-1094 spectrum channel 124
Column 140 1095-1102 spectrum channel 125
Column 141 1103-1110 spectrum channel 126
Column 142 1111-1118 spectrum channel 127
Column 143 1119-1126 spectrum channel 128
Column 144 1127-1134 spectrum channel 129
Column 145 1135-1142 spectrum channel 130
Column 146 1143-1150 spectrum channel 131
Column 147 1151-1158 spectrum channel 132
Column 148 1159-1166 spectrum channel 133
Column 149 1167-1174 spectrum channel 134
Column 150 1175-1182 spectrum channel 135
Column 151 1183-1190 spectrum channel 136
Column 152 1191-1198 spectrum channel 137
Column 153 1199-1206 spectrum channel 138
Column 154 1207-1214 spectrum channel 139
Column 155 1215-1222 spectrum channel 140
Column 156 1223-1230 spectrum channel 141
Column 157 1231-1238 spectrum channel 142
Column 158 1239-1246 spectrum channel 143
Column 159 1247-1254 spectrum channel 144
Column 160 1255-1262 spectrum channel 145
Column 161 1263-1270 spectrum channel 146
Column 162 1271-1278 spectrum channel 147
Column 163 1279-1286 spectrum channel 148
Column 164 1287-1294 spectrum channel 149
Column 165 1295-1302 spectrum channel 150
Column 166 1303-1310 spectrum channel 151
Column 167 1311-1318 spectrum channel 152
Column 168 1319-1326 spectrum channel 153
Column 169 1327-1334 spectrum channel 154
Column 170 1335-1342 spectrum channel 155
Column 171 1343-1350 spectrum channel 156
Column 172 1351-1358 spectrum channel 157
Column 173 1359-1366 spectrum channel 158
Column 174 1367-1374 spectrum channel 159
Column 175 1375-1382 spectrum channel 160
Column 176 1383-1390 spectrum channel 161
Column 177 1391-1398 spectrum channel 162
Column 178 1399-1406 spectrum channel 163
Column 179 1407-1414 spectrum channel 164
Column 180 1415-1422 spectrum channel 165
Column 181 1423-1430 spectrum channel 166
Column 182 1431-1438 spectrum channel 167

| | | | | |
|------------|-----------|----------|---------|-----|
| Column 183 | 1439-1446 | spectrum | channel | 168 |
| Column 184 | 1447-1454 | spectrum | channel | 169 |
| Column 185 | 1455-1462 | spectrum | channel | 170 |
| Column 186 | 1463-1470 | spectrum | channel | 171 |
| Column 187 | 1471-1478 | spectrum | channel | 172 |
| Column 188 | 1479-1486 | spectrum | channel | 173 |
| Column 189 | 1487-1494 | spectrum | channel | 174 |
| Column 190 | 1495-1502 | spectrum | channel | 175 |
| Column 191 | 1503-1510 | spectrum | channel | 176 |
| Column 192 | 1511-1518 | spectrum | channel | 177 |
| Column 193 | 1519-1526 | spectrum | channel | 178 |
| Column 194 | 1527-1534 | spectrum | channel | 179 |
| Column 195 | 1535-1542 | spectrum | channel | 180 |
| Column 196 | 1543-1550 | spectrum | channel | 181 |
| Column 197 | 1551-1558 | spectrum | channel | 182 |
| Column 198 | 1559-1566 | spectrum | channel | 183 |
| Column 199 | 1567-1574 | spectrum | channel | 184 |
| Column 200 | 1575-1582 | spectrum | channel | 185 |
| Column 201 | 1583-1590 | spectrum | channel | 186 |
| Column 202 | 1591-1598 | spectrum | channel | 187 |
| Column 203 | 1599-1606 | spectrum | channel | 188 |
| Column 204 | 1607-1614 | spectrum | channel | 189 |
| Column 205 | 1615-1622 | spectrum | channel | 190 |
| Column 206 | 1623-1630 | spectrum | channel | 191 |
| Column 207 | 1631-1638 | spectrum | channel | 192 |
| Column 208 | 1639-1646 | spectrum | channel | 193 |
| Column 209 | 1647-1654 | spectrum | channel | 194 |
| Column 210 | 1655-1662 | spectrum | channel | 195 |
| Column 211 | 1663-1670 | spectrum | channel | 196 |
| Column 212 | 1671-1678 | spectrum | channel | 197 |
| Column 213 | 1679-1686 | spectrum | channel | 198 |
| Column 214 | 1687-1694 | spectrum | channel | 199 |
| Column 215 | 1695-1702 | spectrum | channel | 200 |
| Column 216 | 1703-1710 | spectrum | channel | 201 |
| Column 217 | 1711-1718 | spectrum | channel | 202 |
| Column 218 | 1719-1726 | spectrum | channel | 203 |
| Column 219 | 1727-1734 | spectrum | channel | 204 |
| Column 220 | 1735-1742 | spectrum | channel | 205 |
| Column 221 | 1743-1750 | spectrum | channel | 206 |
| Column 222 | 1751-1758 | spectrum | channel | 207 |
| Column 223 | 1759-1766 | spectrum | channel | 208 |
| Column 224 | 1767-1774 | spectrum | channel | 209 |
| Column 225 | 1775-1782 | spectrum | channel | 210 |
| Column 226 | 1783-1790 | spectrum | channel | 211 |
| Column 227 | 1791-1798 | spectrum | channel | 212 |
| Column 228 | 1799-1806 | spectrum | channel | 213 |
| Column 229 | 1807-1814 | spectrum | channel | 214 |
| Column 230 | 1815-1822 | spectrum | channel | 215 |
| Column 231 | 1823-1830 | spectrum | channel | 216 |
| Column 232 | 1831-1838 | spectrum | channel | 217 |
| Column 233 | 1839-1846 | spectrum | channel | 218 |
| Column 234 | 1847-1854 | spectrum | channel | 219 |
| Column 235 | 1855-1862 | spectrum | channel | 220 |
| Column 236 | 1863-1870 | spectrum | channel | 221 |
| Column 237 | 1871-1878 | spectrum | channel | 222 |
| Column 238 | 1879-1886 | spectrum | channel | 223 |
| Column 239 | 1887-1894 | spectrum | channel | 224 |
| Column 240 | 1895-1902 | spectrum | channel | 225 |
| Column 241 | 1903-1910 | spectrum | channel | 226 |
| Column 242 | 1911-1918 | spectrum | channel | 227 |
| Column 243 | 1919-1926 | spectrum | channel | 228 |
| Column 244 | 1927-1934 | spectrum | channel | 229 |

Column 245 1935-1942 spectrum channel 230
Column 246 1943-1950 spectrum channel 231
Column 247 1951-1958 spectrum channel 232
Column 248 1959-1966 spectrum channel 233
Column 249 1967-1974 spectrum channel 234
Column 250 1975-1982 spectrum channel 235
Column 251 1983-1990 spectrum channel 236
Column 252 1991-1998 spectrum channel 237
Column 253 1999-2006 spectrum channel 238
Column 254 2007-2014 spectrum channel 239
Column 255 2015-2022 spectrum channel 240
Column 256 2023-2030 spectrum channel 241
Column 257 2031-2038 spectrum channel 242
Column 258 2039-2046 spectrum channel 243
Column 259 2047-2054 spectrum channel 244
Column 260 2055-2062 spectrum channel 245
Column 261 2063-2070 spectrum channel 246
Column 262 2071-2078 spectrum channel 247
Column 263 2079-2086 spectrum channel 248
Column 264 2087-2094 spectrum channel 249
Column 265 2095-2102 spectrum channel 250
Column 266 2103-2110 spectrum channel 251
Column 267 2111-2118 spectrum channel 252
Column 268 2119-2126 spectrum channel 253
Column 269 2127-2134 spectrum channel 254
Column 270 2135-2142 spectrum channel 255
Column 271 2143-2150 spectrum channel 256
Column 272 2151-2158 spectrum channel 257
2159-2159 <endline>

Digital Data Format for Magnetometer, Radiometric and DTM Data

| | | | |
|--------|----|---------|-------------------------------|
| Column | 1 | 1-4 | flight |
| Column | 2 | 5-10 | lineNo |
| Column | 3 | 11-14 | julian day |
| Column | 4 | 15-22 | fid |
| Column | 5 | 23-32 | easting (AMG Zone 55, AGD66) |
| Column | 6 | 33-42 | northing (AMG Zone 55, AGD66) |
| Column | 7 | 43-48 | raw total count (cps) |
| Column | 8 | 49-54 | raw potassium (cps) |
| Column | 9 | 55-60 | raw uranium (cps) |
| Column | 10 | 61-66 | raw thorium (cps) |
| Column | 11 | 67-72 | cosmic (cps) |
| Column | 12 | 73-78 | live_time (milliseconds) |
| Column | 13 | 79-86 | raw radar altimeter (meters) |
| Column | 14 | 87-94 | raw gps height (meters) |
| Column | 15 | 95-100 | final total count (cps) |
| Column | 16 | 101-106 | final potassium (cps) |
| Column | 17 | 107-112 | final uranium (cps) |
| Column | 18 | 113-118 | final thorium (cps) |
| Column | 19 | 119-126 | final total count (dose rate) |
| Column | 20 | 127-134 | final potassium (percent) |
| Column | 21 | 135-142 | final uranium (ppm) |
| Column | 22 | 143-150 | final thorium (ppm) |
| Column | 23 | 151-158 | dtm (meters) |
| | | 159-159 | <endline> |

Digital Data Format for Magnetometer and DTM Data

| | | |
|-----------|-------|-------------------------------|
| Column 1 | 1-4 | flight |
| Column 2 | 5-10 | lineno |
| Column 3 | 11-14 | julian day |
| Column 4 | 15-22 | fid |
| Column 5 | 23-32 | time (decimal hours) |
| Column 6 | 33-42 | easting (AMG Zone 55, AGD66) |
| Column 7 | 43-52 | northing (AMG Zone 55, AGD66) |
| Column 8 | 53-62 | raw mag (nT) |
| Column 9 | 63-70 | gps height (meters) |
| Column 10 | 71-78 | radar altimeter (meters) |
| Column 11 | 79-86 | final mag (nT) |
| Column 12 | 87-94 | dtm (meters) |
| | 95-95 | <endline> |

APPENDIX 3

Radiometric Calibration

Radiometric Calibration Utilising Test Pads and Hover Range

1. Rationale

Procedures for the calibration of gamma ray spectrometer systems are based on Grasty R L and Minty B R S 1995 **A Guide to the Technical Specifications for Airborne Gamma-Ray Surveys** AGSO Record 1995/60.

Radiometric test pads are used to determine the Compton scattering coefficients to be applied to the raw spectrometer data. A minimum of four pads are required to determine potassium, uranium and thorium spectra and to remove the background.

The four test pads are owned by AGSO and consist of 1m x 1m x 0.3m concrete blocks. Three pads have high concentrations of either K, U or Th, while the fourth pad has low background values. The AGSO set is one of four similar sets manufactured by Bruce Dickson of CSIRO Division of Exploration Geoscience, the others being owned by SADME, Kevron Geophysics and Geoterrex. The radioelement concentrations are provided by Bruce Dickson for calculation of the calibration coefficients.

A hover test range is required for the determination of sensitivity factors which relate the concentration of radioactive elements in the ground to the number of counts measured at survey altitude. The test range should be free of vegetation, relatively flat but well drained, and have a relatively high and uniform concentration of the three radioactive elements. Minimal flight restrictions and easy navigation are also important.

A suitable site, close to Bairnsdale, has been established on a dairy flat SE of Bruthen. The test site had been previously surveyed with a calibrated ground spectrometer and was re-surveyed on the day of the hover range test.

Multiple elevation measurements over a large expanse of water were used to determine the radiometric contribution from the aircraft itself and from cosmic radiation. Although this is frequently difficult to achieve over much of Australia, in this case Lake King, part of the Gippsland Lakes, is conveniently situated close to the Bairnsdale test area.

The aircraft was in normal survey configuration for all calibration measurements.

2. Test Procedures

(a) The test pad site at Canberra airport has been established previously using scintillometer traverses to determine an area of uniform and low radiometric signal which can be conveniently occupied by the heavy pads and an aircraft, and readily relocated for subsequent use. After marking and measuring out the site a detailed spectrometer grid covering 8m by 8m was surveyed around the centre point. In addition a north-south profile and an east-west profile was surveyed across the site.

These two profiles were each 2m in length. The operator first ensured that the spectrometer was stabilised. Weather conditions were noted. The helicopter was parked (facing N) and each of the calibration pads was placed, in turn, directly beneath the spectrometer crystal in the aircraft, commencing with the background pad. Data were recorded for five minutes with each pad in place. Each pad was positioned in exactly the same place and the same orientation for the observations, with the other pads placed well away from the aircraft (approx. 50m).

(b) The weather in the Gippsland coast area was monitored to identify a favourable day for the hover range test. This requires low wind, preferably not from the north or northwest, and dry conditions over at least the preceding two days. The standard pre-flight calibration was performed at the Euroa operational base, and then the local test line was flown before departing to Bairnsdale.

(c) The aircraft proceeded to the hover test range and was positioned directly above the central marker peg. While hovering, the operator recorded data from 100ft (30m) to 600ft (180m) above ground level (agl) in 50ft (15m) increments, for intervals of 2 minutes at each elevation.

(d) The aircraft was then flown out over Lake King (about 5 minutes flying time south of Bairnsdale) and data recorded in hover for 5 minutes between 100ft and 600ft in 50 ft increments. While still over water, the aircraft climbed between 1000ft and 10,000ft, with the operator recording data at each 1000ft level.

(e) Ground radiometric count rates were measured over the hover range using a calibrated ground spectrometer - this entailed 5 minute observation periods at intervals of 10m, 30m, 40m, 50m, 65m, 80m, 95m, 120m and 160m along profiles north, east, south and west of the centre point of the hover range (*Grasty and Minty 1995 page 88*).

(f) A high altitude test was undertaken out over the ocean with data being recorded from 1000ft to 10,000 ft in 1000ft increments. Data were recorded for 10 minutes at each altitude.

(g) The validity of the data was verified before returning to the survey area. Calibration sheets for all of the helicopter measurements at the test range were retained for future reporting.

(h) On return to the survey base, the crew re-flew the test line and performed a full post-flight calibration.

A comprehensive description of the AGSO test pad site and the Bruthen hover range is available on request from Geo Instruments Pty Ltd. The derived calibration coefficients are presented in the following table.

Geo Instruments Pty Ltd

Bruthen Hover Range Test Data Jan 2000

JET RANGER VH-JWF GR820 Ser#173 16.8 litre detector #AGSO137

| | Cosmic Coeff | Aircraft Bgrnd | Height Att Coefficient (u) |
|-------------|--------------|----------------|----------------------------|
| Total count | 0.88604 | 46.6 | 0.006205 |
| Potassium | 0.7658 | 2.1 | 0.00754 |
| Uranium | 0.8811 | 2.3 | 0.00506 |
| Thorium | 0.51587 | 1.6 | 0.00641 |

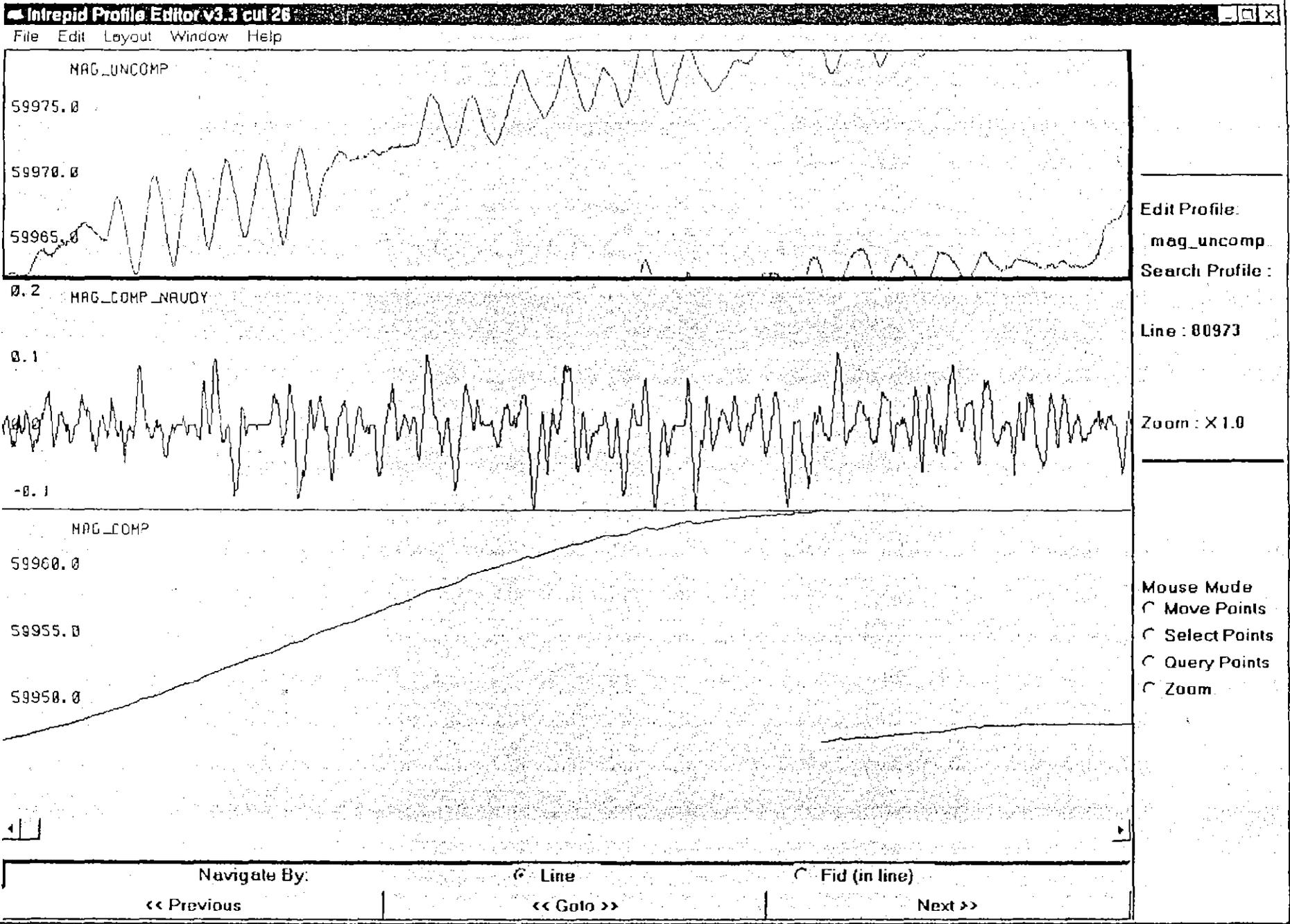
| System Sensitivities | | System Stripping Coefficients | | | Hover Range Concentrations | | |
|----------------------|--------|-------------------------------|----------|-----|----------------------------|-------|-----|
| K Sensitivity | 5.71 | Alpha | 0.2589 | T/U | K40 | 1.89 | %k |
| U Sensitivity | 0.478 | Beta | 0.361 | T/K | Un | 2.28 | ppm |
| Th Sensitivity | 0.2317 | Gamma | 0.7559 | U/K | Th | 14.58 | ppm |
| | | a | 0.0053 | U/T | | | |
| | | g | -0.00054 | K/U | | | |

| Alt(AGL mtrs) | Measured Counts | | | Stripped Brnd corr Counts | | | Concentrations | | | Acc Time |
|---------------|-----------------|--------|---------|---------------------------|----------|-----------|----------------|-------|--------|----------|
| | K40 Cnts | U Cnts | Th Cnts | K40 Str/s | Un Str/s | Th Cnts/s | K40 % | U ppm | Th ppm | Secs |
| 21.4 | 210.6 | 42.4 | 65.2 | 163.74 | 23.51 | 63.11 | 86.64 | 10.31 | 4.33 | 1 |
| 35.9 | 185.1 | 39.2 | 60.7 | 141.50 | 21.67 | 58.23 | 74.87 | 9.50 | 3.99 | 1 |
| 51.6 | 162.3 | 34.8 | 51.7 | 124.21 | 19.36 | 49.75 | 65.72 | 8.49 | 3.41 | 1 |
| 65.6 | 144.7 | 33.0 | 47.7 | 108.59 | 18.46 | 45.86 | 57.46 | 8.10 | 3.15 | 1 |
| 81.7 | 125.0 | 30.2 | 42.3 | 92.41 | 17.12 | 40.57 | 48.90 | 7.51 | 2.78 | 1 |
| 95.5 | 113.6 | 28.1 | 38.2 | 83.60 | 16.45 | 36.18 | 44.23 | 7.22 | 2.48 | 1 |
| 112.9 | 100.2 | 25.1 | 33.6 | 72.51 | 14.61 | 31.69 | 38.37 | 6.41 | 2.17 | 1 |
| 127.7 | 89.4 | 23.3 | 32.2 | 63.66 | 13.37 | 30.30 | 33.68 | 5.86 | 2.08 | 1 |
| 142.5 | 78.9 | 22.5 | 28.6 | 54.39 | 13.55 | 26.50 | 28.78 | 5.94 | 1.82 | 1 |
| 167.1 | 71.0 | 20.6 | 25.7 | 48.28 | 12.30 | 23.61 | 25.55 | 5.39 | 1.62 | 1 |
| 176.6 | 64.8 | 19.0 | 24.3 | 44.01 | 11.03 | 22.32 | 23.28 | 4.84 | 1.53 | 1 |

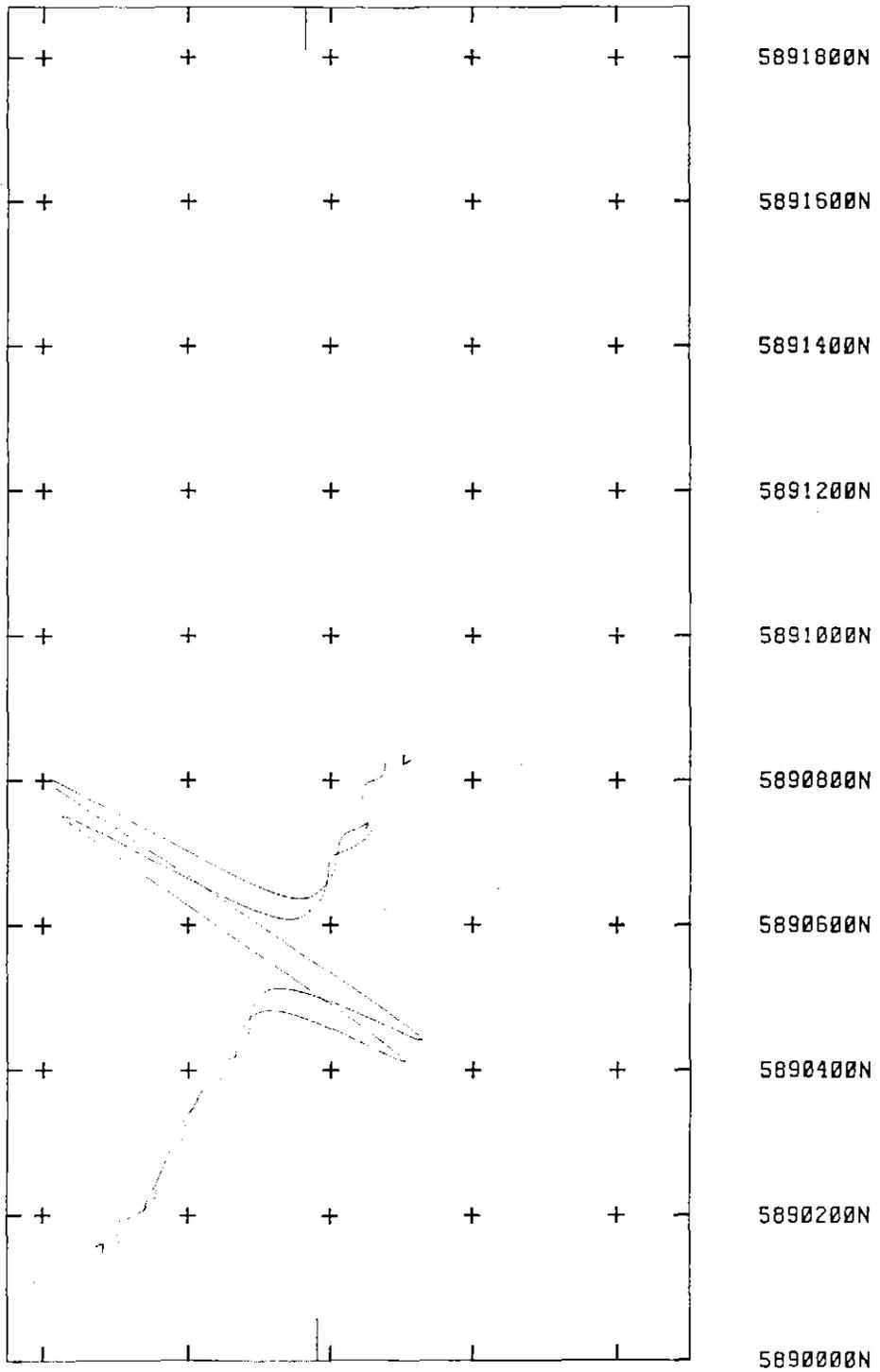
| Lake Hover Background Raw and corrected counts/sec | | | | | | |
|--|---------|--------|--------|---------|--------|--------|
| Alt(m) | K40 cps | Un cps | Th cps | K40 cor | Un cor | Th cor |
| 22.0 | 6.3 | 2.6 | 1.9 | 4.02 | 2.11 | 1.89 |
| 36.9 | 6.2 | 2.5 | 2.3 | 3.93 | 1.91 | 2.29 |
| 51.4 | 5.5 | 2.6 | 1.8 | 3.24 | 2.14 | 1.79 |
| 65.4 | 5.6 | 2.7 | 1.7 | 3.28 | 2.26 | 1.69 |
| 81.6 | 5.0 | 2.6 | 1.6 | 2.77 | 2.19 | 1.59 |
| 95.6 | 4.5 | 2.3 | 1.9 | 2.45 | 1.81 | 1.89 |
| 110.3 | 5.2 | 2.3 | 1.8 | 3.17 | 1.84 | 1.79 |
| 126.1 | 4.7 | 2.1 | 1.8 | 2.82 | 1.64 | 1.79 |
| 140.5 | 4.7 | 2.1 | 2.0 | 2.78 | 1.58 | 1.99 |

APPENDIX 4

Magnetometer Compensation Box and Heading Tests

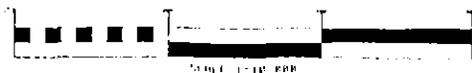


425600E 425800E 426000E 426200E 426400E



146°10'00"E

MAGNETIC PARALLAX ERROR PROFILES
HELICOPTER VH-JWF

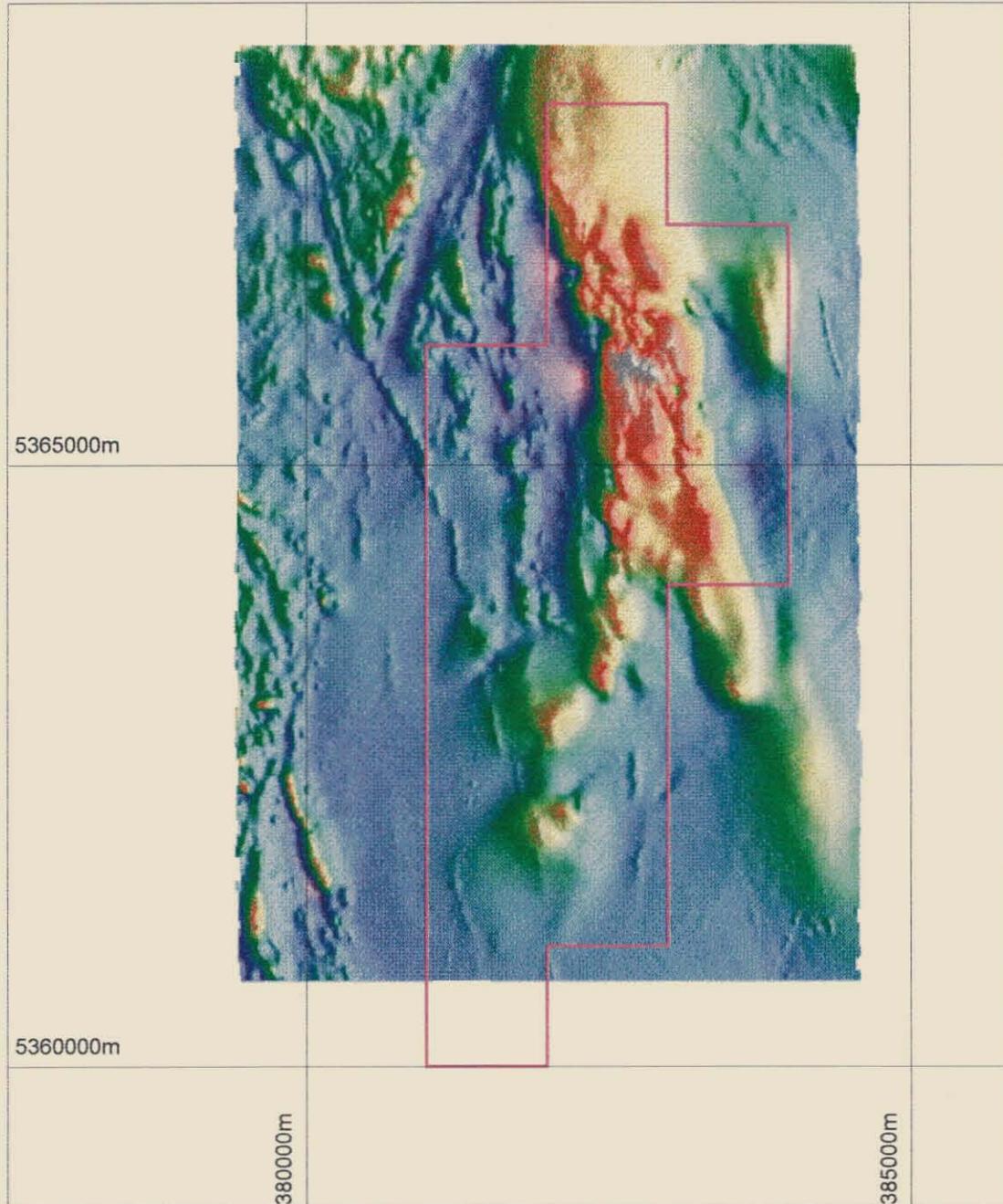


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Helimag and Radiometric images

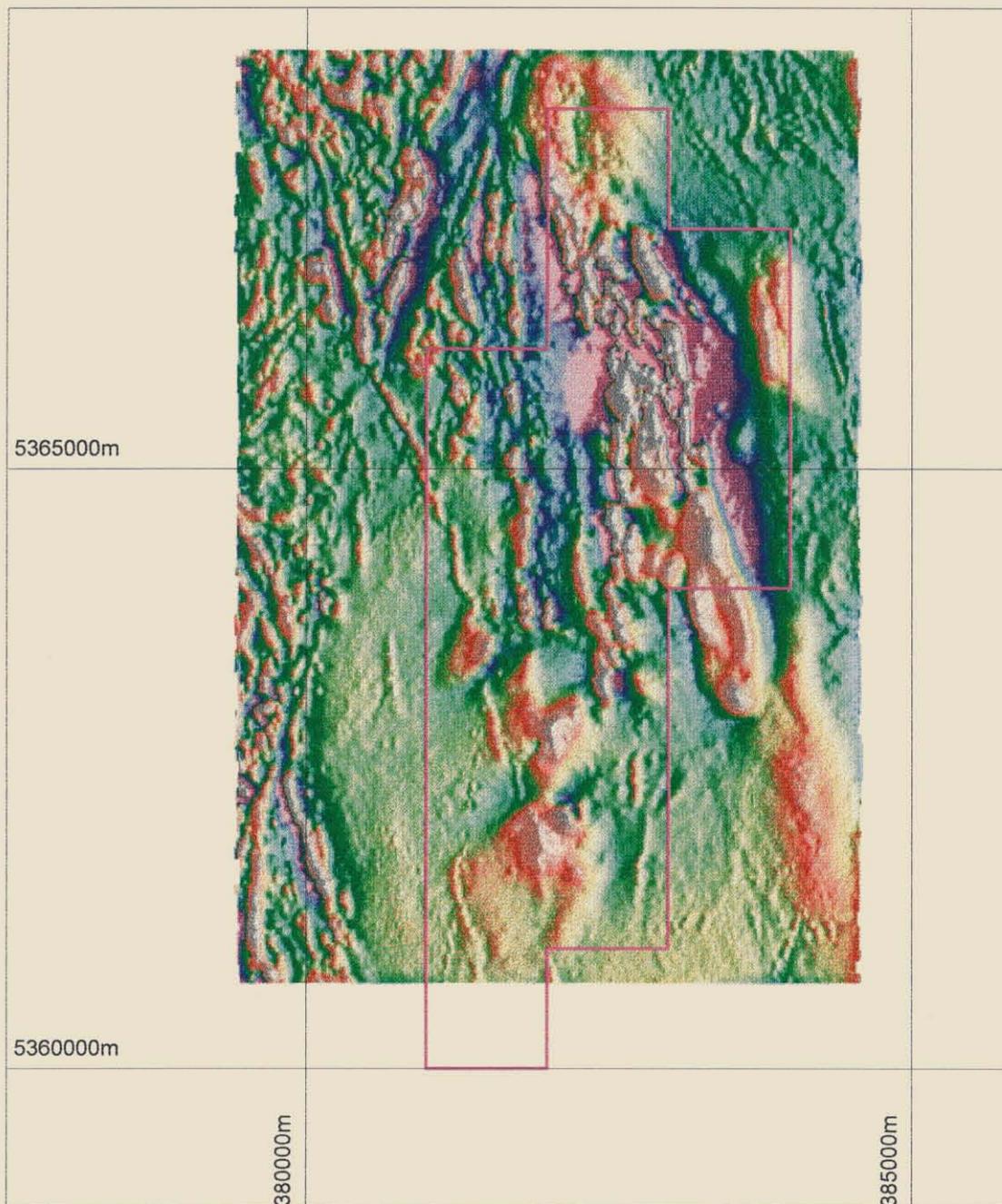
Red Hills – Helimag

TMI Image



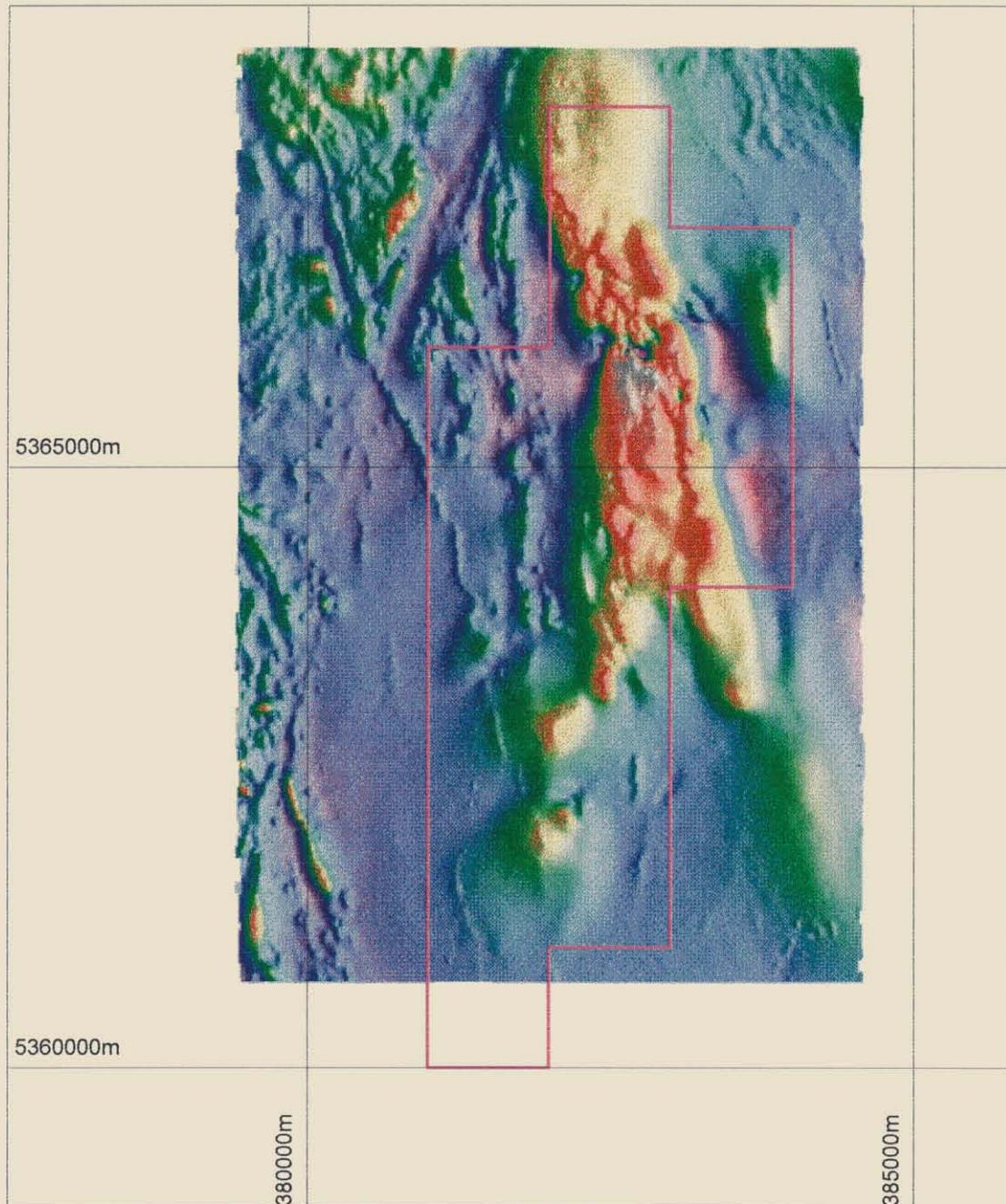
Red Hills – Helimag

1VD Image



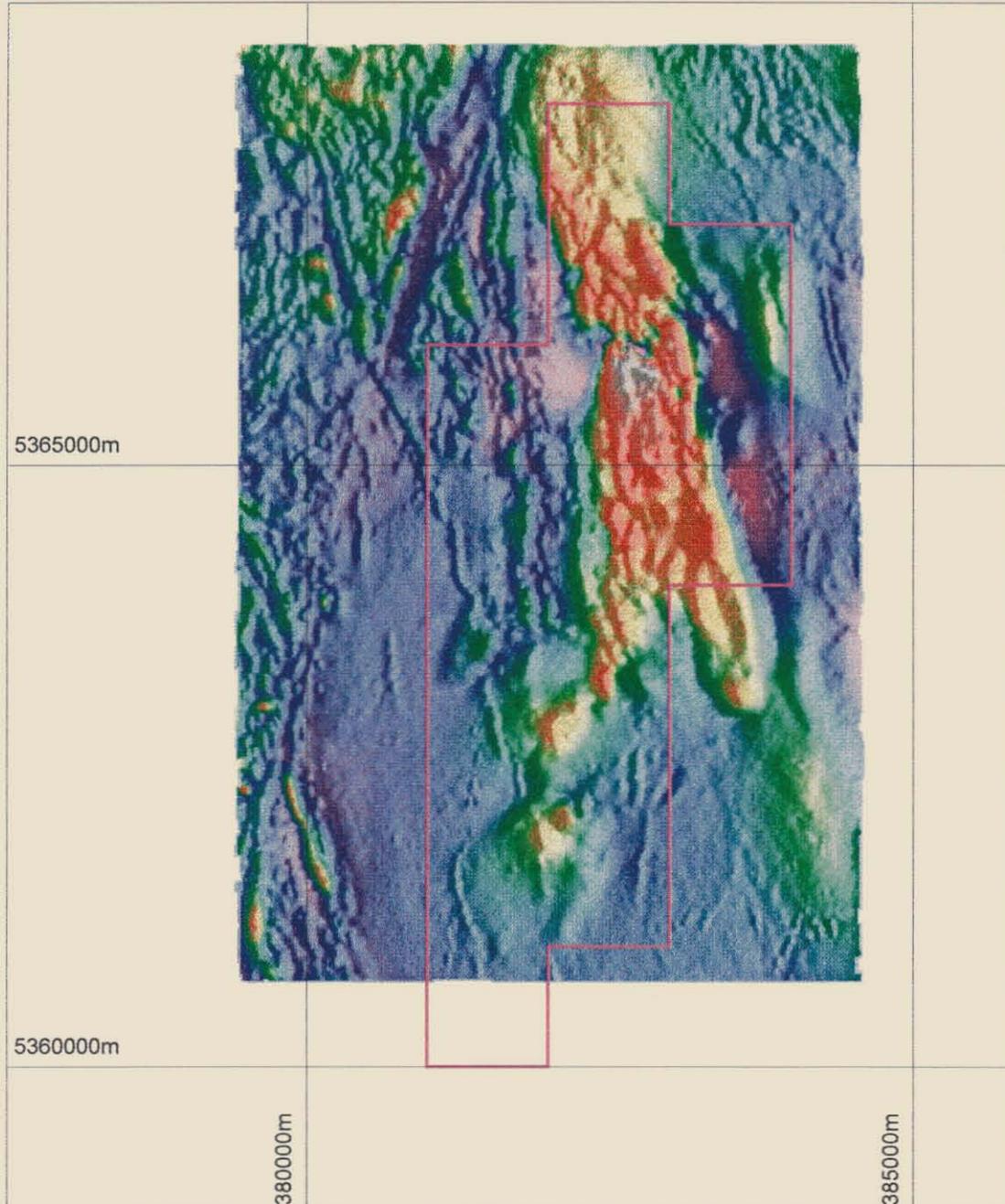
Red Hills – Helimag

RTP Image



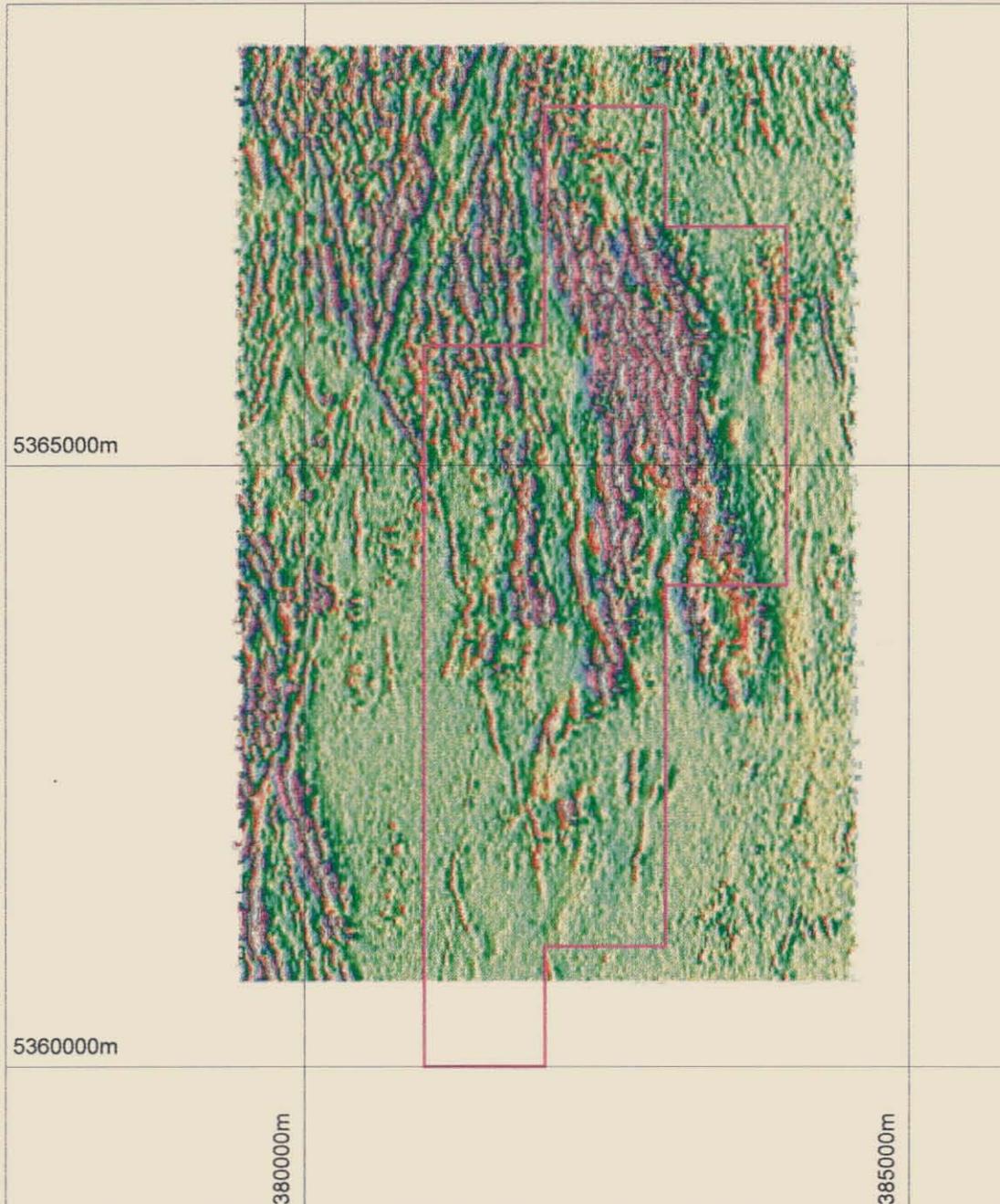
Red Hills – Helimag

RTP/1VD Image



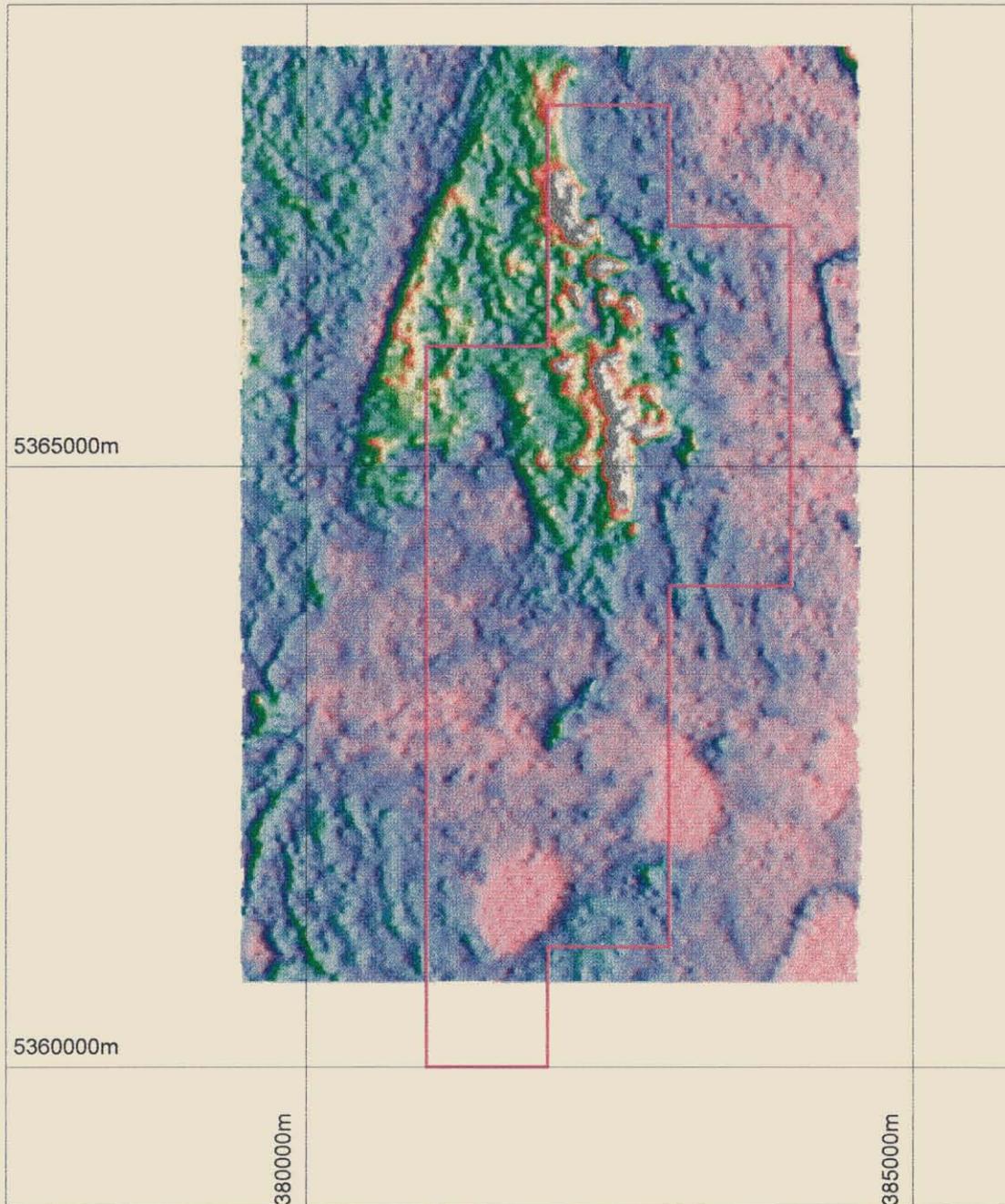
Red Hills – Helimag

RTP/2VD Image



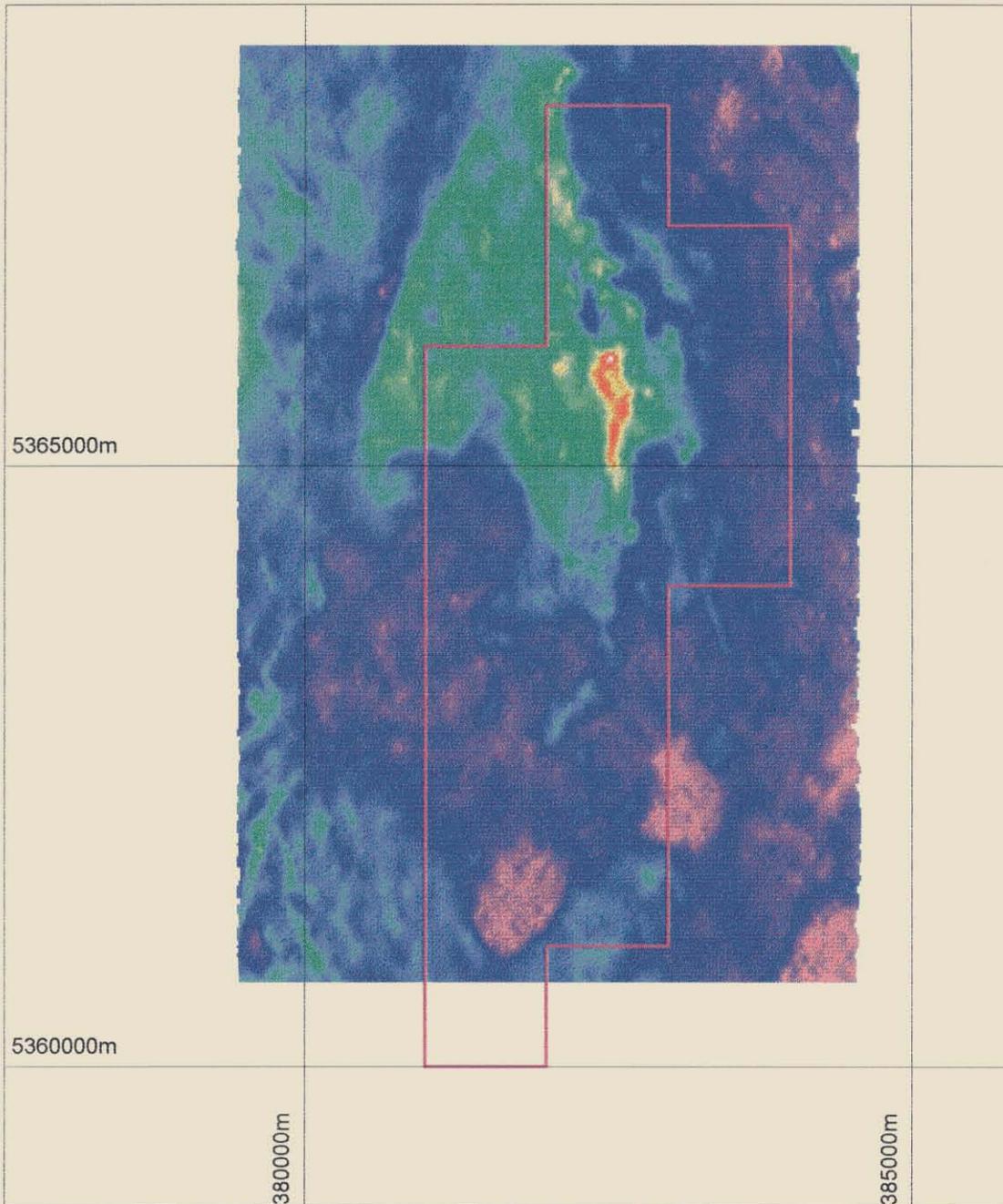
Red Hills – Radiometrics

K Image



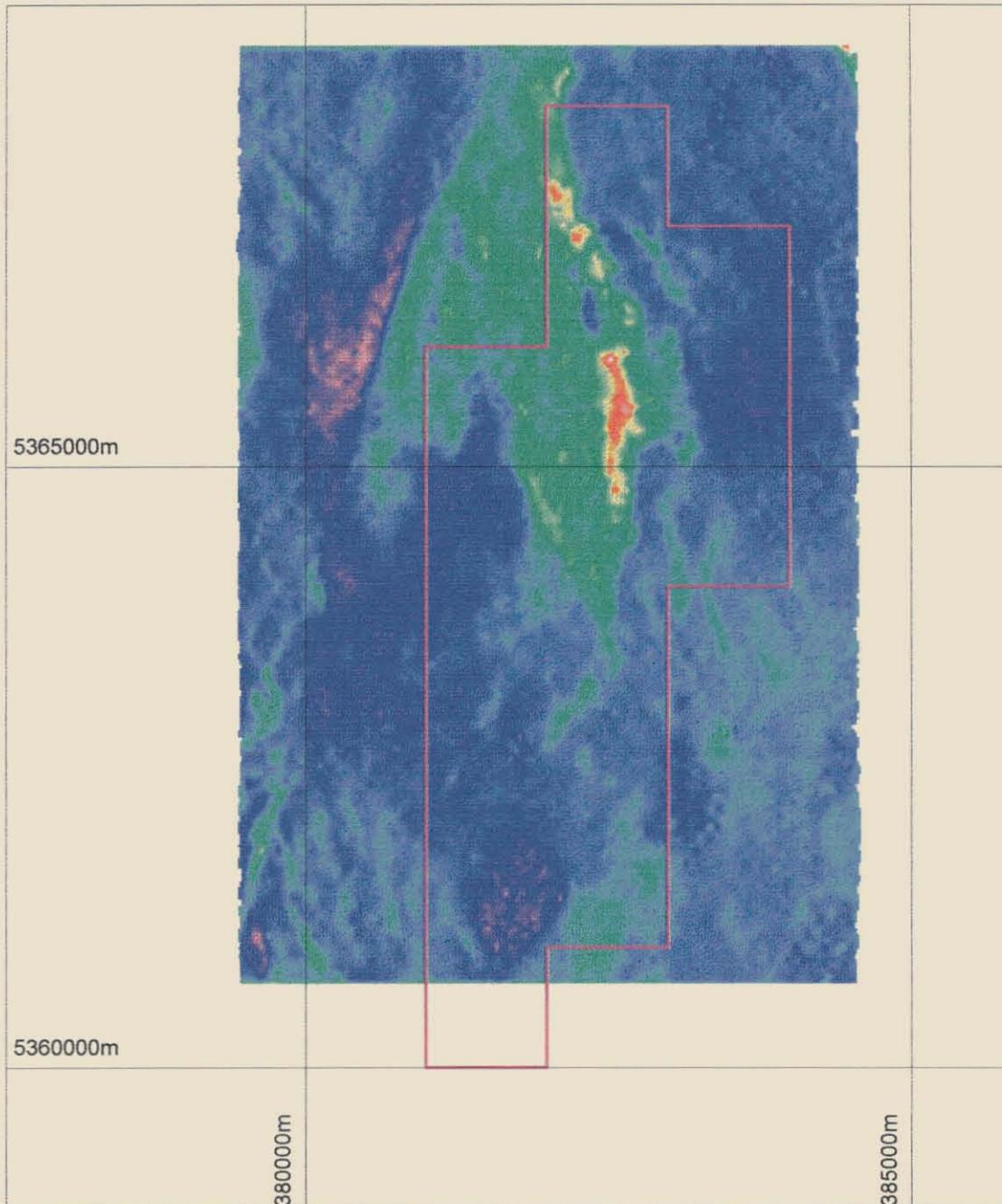
Red Hills – Radiometrics

Th Image



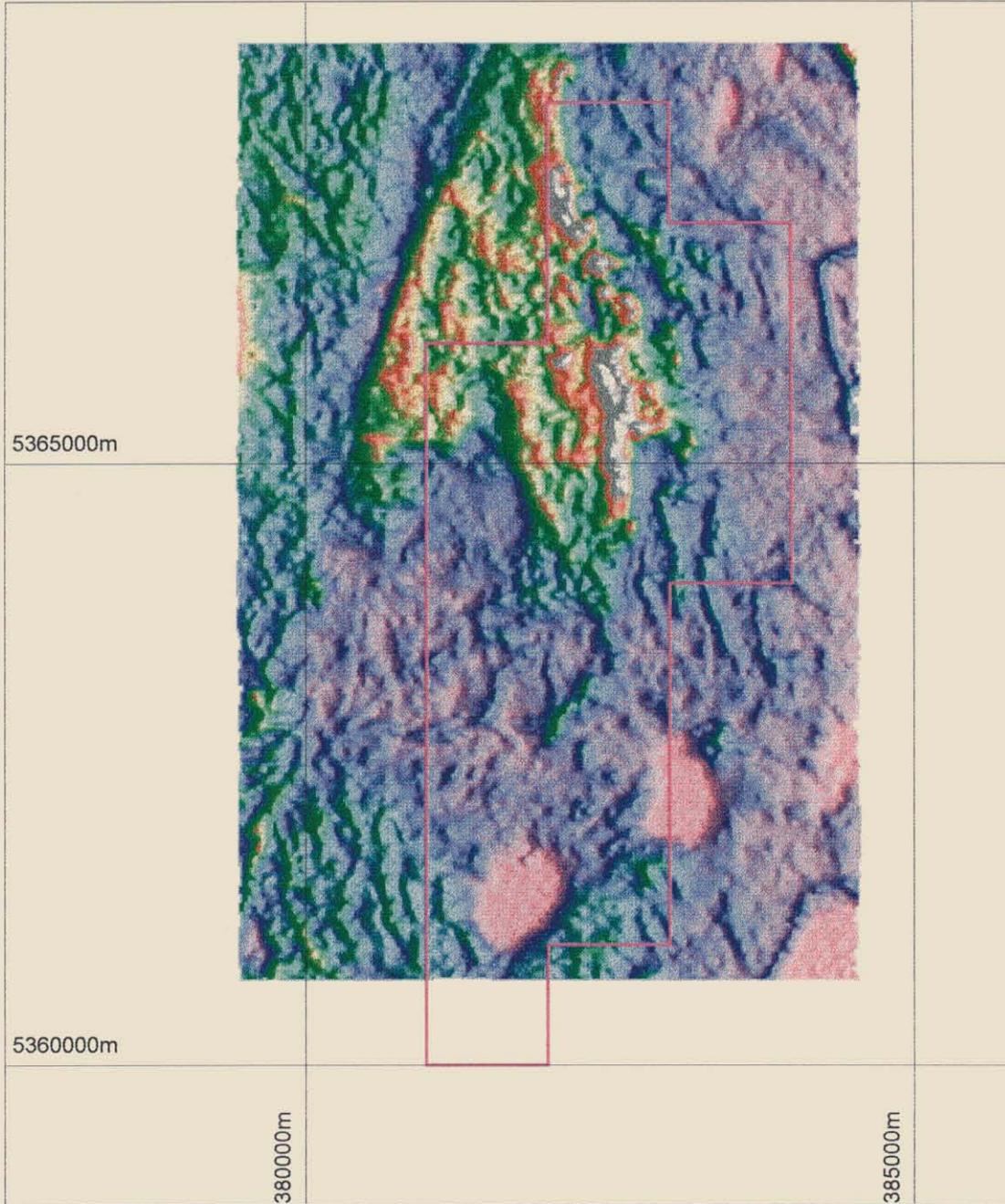
Red Hills – Radiometrics

U Image



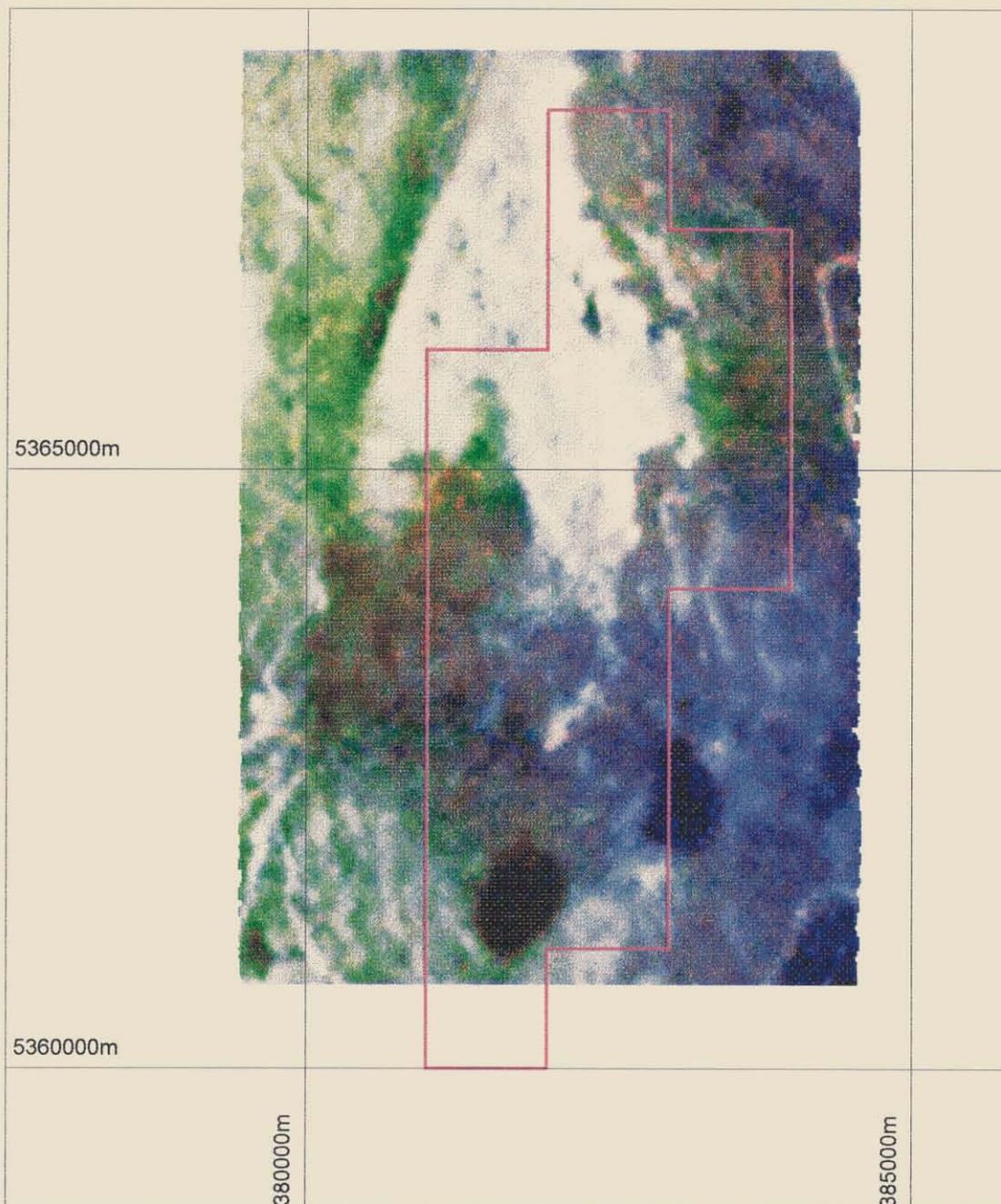
Red Hills – Radiometrics

Total Count Image



Red Hills – Radiometrics

K-Th-U Red Green Blue Image



673154

00_4487 VOL 2 of 2
21 SEP 2000
TASMANIA



GOLDFIELDS EXPLORATION

ACN 008 560 978

1999-2000
Annual Report

Tasmanian Gold Project

Red Hills

EL 29/94

Volume 2 of 2
Appendices 5 and 6

HELD BY: Plutonic Resources / Homestake Exploration

MANAGER & OPERATOR: Goldfields Exploration Pty Ltd

AUTHOR(s): Tim Callaghan
Michael Vicary

20, September, 2000

PROSPECTS: Red Hills

MAP SHEETS: 1:250,000: 1:100,000: Sophia

GEOGRAPHIC COORDS
Min East: 381000 Max East: 384000
Min North: 5360000 Max North: 5368000

COMMODITY(s): Au, Basemetals

KEY WORDS: Tyndall Group, Central Volcanic Sequence,

Distribution:

- o Goldfields Exploration Information Centre Reference:
- o Goldfields Exploration - Zeehan:
- o Mineral Resources Tasmania:
- o Homestake Exploration - Queensland:

Annual Report 1999-2000 - Tasmanian Gold Project -
Red Hills - EL 29/1994
Goldfields Exploration Proprietary Limited*; Plutonic R
Callaghan, T.; Vicary, M.J. EL29/1994

00_4487 VOL 2 of 2

APPENDIX 5
Symbols and codes
used in
Drill Logs and Mapping

SYMBOLS FOR COHERENT TEXTURES

- single line symbols for low to moderate phenocryst abundance
- double line symbols for abundant phenocrysts
- smaller symbols for fine grained phenocrysts
- larger symbols for coarse grained phenocrysts
- additional "+" symbol for coarse, phenocryst-rich granitoid texture

| | |
|--|---|
| | basalt, poorly to moderately porphyritic basalt |
| | phenocryst-rich basalt |
| | andesite, poorly to moderately porphyritic andesite |
| | phenocryst-rich andesite |
| | dacite, poorly to moderately porphyritic dacite |
| | phenocryst-rich dacite |
| | fine, poorly to moderately porphyritic rhyolite |
| | coarse, poorly to moderately porphyritic rhyolite |
| | coarse, phenocryst-rich rhyolite |
| | coarse rhyolitic porphyry |
| | flow foliation |
| | spherulites, lithophysae, alteration spots, nodular devitrification texture |

SYMBOLS FOR VOLCANICLASTIC TEXTURES

- closer spaced symbols for dominant grain size and grain type

| | |
|------|--|
| | pumice or relict pumice |
| | angular, juvenile lava clasts |
| | fiamme/vitriclast or relict vitriclast |
| | accretionary lapilli |
| | angular, polymict lithic clasts |
| | rounded, polymict lithic clasts |
| | mudstone intraclast |
| | sand-size particles, granular texture |
| | mud-size particles |
| | distinct planar stratification |
| | diffuse planar stratification |
| | cross bedding |
| | micro-cross lamination |
| e.g. | |
| | pumice clasts in sand matrix |
| | angular polymict lithic clasts and mudstone intraclasts in sand matrix |

SYMBOLS FOR JUVENILE-CLAST-RICH DEPOSITS

| | | | |
|--|---|--|---|
| | jigsaw-fit texture of fine, moderately porphyritic rhyolite | | pumice-clast-rich deposit, coarse, moderately porphyritic rhyolitic composition |
| | jigsaw-fit texture of coarse, moderately porphyritic rhyolite | | pumice-clast-rich deposit, coarse, phenocryst-rich rhyolitic composition |
| | jigsaw-fit texture of coarse phenocryst-rich andesite | | pumice-clast-rich deposit, coarse, moderately porphyritic dacitic composition |

Fig. 9—Recommended composition and texture symbols for graphic logging of volcanic deposits.

(From: MacPhie, Doyle and Allen. CODES 1993)

RGC EXPLORATION (ZEEHAN) - ROCK CODES

TYPE

- U - Volcanic (general)
- V - Volcaniclastic
- E - Epiclastic
- L - Lava
- I - Intrusive

COMPOSITION

- R - Rhyolite
- Y - Rhyodacite
- D - Dacite
- A - Andesite
- B - Basaltic
- F - Felsic
- M - Mafic
- U - Ultramafic

CRYSTAL TYPE

- X - Crystal rich
- A - Aphyric
- F - Feldspar phyrlic
- < - Feldspar - quartz phyrlic
- > - Quartz - feldspar phyrlic
- Q - Quartz phyrlic
- H - Hornblende phyrlic
- P - Pyroxene phyrlic
- B - Biotite phyrlic
- V - Vitric / glassy
- L - Lithic rich
- R - Reworked, commonly with Carbonate matrix

OTHERS

- TILL - Glacial moraine
- CLAY - Glacial clays
- SILT - Black pyritic siltstone
- FALT - Fault
- CARB - Massive Carbonate
- CBBX - Carbonate breccia
- VEIN - Vein
- GWAC - Greywacke
- CONG - Siliciclastic Conglomerate
- SAND - Siliciclastic Sandstone
- XXXXYYYY - Interbedded units

GRAINSIZE

- B - Breccia
- C - Coarse
- M - Medium (Sandy)
- F - Fine (Silty)
- V - Very fine (Shaley)
- A - Ashy
- / - Undifferentiated
- X - Crystal Rich
- P - Pumiceous

ALTERATION

- P - Pyrite
- \$ - Mineralised
- Q - Quartz
- O - Chlorite
- C - Carbonate
- H - Hematite
- S - Sericite
- K - K feldspar
- A - Albite
- E - Epidote
- F - Fuchsite
- M - Magnetite
- L - Limonite

N - Scale

- 1 - Very Weak
- 3 - Weak
- 5 - Moderate
- 7 - Strong
- 9 - Intense

eg. AOC7

Strong albite-chlorite-carbonate alteration
(albite>chlorite>carbonate, albite = 7)

APPENDIX 6

Diamond drill hole logs and summaries

RGC EXPLORATION PTY LTD

DRILL HOLE No. 12794 (summary)

RGC EXPLORATION PTY LTD

DRILL HOLE No. RFP94 (summary)

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 1 OF 2

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY : Based on log in

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 2 OF 2

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH M | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|------------------------|---------------|---------|----------------|------------|---|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 10 | | | | | | Green kalspar phytic layer | | |
| 20 | | | | | | | | |
| 30 | | | | | | Coarse Tuff and Agglomerate + fragments of lava | | |
| 40 | | | | | | | | |
| 50 | | | | | | light pink lava | | |
| 60 | | | | | | Dark green grey agglomerate or coarse tuff | | |
| 70 | | | | | | | | |
| 80 | | | | | | Green Smause, Porphyritic white to pink kalspar | | |
| 90 | | | | | | Grey-green agglomerate | | |
| 100 | | | | | | massive siliceous agglomerate | | |
| 110 | | | | | | | | |
| 120 | | | | | | Green grey agglomerate or lava | | |
| 130 | | | | | | Grey agglomerate + pink patches | | |
| 140 | | | | | | Red grey agglomerate or lava | | |
| 150 | | | | | | Pink green agglomerate shredded chloritic rock Dark grey siliceous lava + various different varieties of lava chloritic lava Green grey lava | | |
| 160 | | | | | | | | |
| 170 | | | | | | Pink agglomerate, microporphyr siliceous, chlorite seams | | |
| 180 | | | | | | | | |
| 190 | | | | | | Agglomerate, highly chloritic sand | | |

REMARKS

| HOLE DEPTH M | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|------------------------|---------------|---------|----------------|------------|--|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 210 | | | | | | | | |
| 220 | | | | | | | | |
| 230 | | | | | | massive pink agglomerate microporphyr | | |
| 240 | | | | | | Pink agglomerate (siliceous) | | |
| 250 | | | | | | | | |
| 260 | | | | | | Green pink agglomerate (chloritized) | | |
| 270 | | | | | | | | |
| 280 | | | | | | Green pink lava or agglomerate | | |
| 290 | | | | | | Siliceous lava | | |
| 300 | | | | | | Agglomerate shredded microporphyr | | |
| 310 | | | | | | | | |
| 320 | | | | | | Agglomerate, chloritized | | |
| 330 | | | | | | | | |
| 340 | | | | | | | | |
| 350 | | | | | | Agglomerate, chloritized | | |
| 360 | | | | | | | | |
| 370 | | | | | | Siliceous Agglomerate | | |

REMARKS

673160

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 1 OF 1

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : Bruce on log 101
Stevie's House 1474-75

| HOLE DEPTH M | SAMPLE NO | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | ALTERATION | | | GEOLOGY NOTES | SUMMARY | | |
|-----------------|--------------|---------------|---------|-------------|---|---|---|---|------------|-----|-----|------------------|---------|------------|--|
| | | | | 1 | 2 | 3 | 4 | 5 | SH. | SR. | PL. | | ROCK | ALTERATION | |
| 10 | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | | |

REMARKS

673166

GOLDFIELDS EXPLORATION DRILL HOLE RECORD

| | | | |
|--------------------|-------------------------|--------------------|---------------|
| HOLE NUMBER | RH1 (Red Hills No.1) | DRILLED BY | |
| PROJECT | Red Hills | NORTHING | 5365473 |
| PROSPECT | | EASTING | 382825 |
| COMPANY | MLMRC | RL | 880 |
| LOGGED BY | | INCLINATION | -42 |
| COMMENCED | | AZIMUTH | 102 |
| FINISHED | 1971 | EOH | 451ft, 137.5m |

PURPOSE

| |
|--|
| Drilled to test a Pole-dipole geophysical anomaly. |
| Collared at 1600S, 3110E. |
| |
| |
| |

SURVEY DATA

| DEPTH | INC. | AZ. | DEPTH | INC. | AZ. | DEPTH | INC. | AZ. |
|-------|------|-----|-------|------|-----|-------|------|-----|
| 0 | -42 | 102 | | | | | | |
| 43.5 | -40 | 102 | | | | | | |
| 80.06 | -37 | 101 | | | | | | |
| 109.5 | -36 | 101 | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|-------|----------|
| | | |
| | | |
| | | |

SUMMARY

| |
|--|
| Reference:- |
| Stevens-Hoare, 1975. 9/66 Annual Report 1974-75. P27, Figs 14 + 34 |
| McKibben, 1972, 9/66 Annual Report 1971-72. P7, Map 6 |
| Roberts and Cartwright, 1984. 9/66 Annual Report 1983-84. Fig 13 |
| |
| |
| Not Assayed |
| |
| |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH1

RGC EXPLORATION PTY LTD

DRILL HOLE No RH1

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 1 OF 12

PROJECT : Red Hills

PROSPECT :

DATE : March 00

LOGGED BY : M. Vicari

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 2 OF 12

PROJECT :

PROSPECT :

DATE :

LOGGED BY :

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|--------------------------------|---------------|---------|-------------|------------|----------------------|---------|------------|
| | | | | | | ROCK | ALTERATION |
| 0 | | | | | massive Aphyric horn | | |
| 2 | | | | | | | |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | | | | | |
| 10 | | | | | | | |
| 12 | | | | | | | |
| 14 | | | | | | | |
| 16 | | | | | | | |
| 18 | | | | | | | |
| 20 | | | | | | | |
| 22 | | | | | | | |
| 24 | | | | | | | |
| 26 | | | | | | | |
| 28 | | | | | | | |
| 30 | | | | | | | |
| 32 | | | | | | | |
| 34 | | | | | | | |
| 36 | | | | | | | |
| 38 | | | | | | | |
| 40 | | | | | | | |
| REMARKS | | | | | | | |

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|--------------------------------|---------------|---------|-------------|------------|---------------------|---------|------------|
| | | | | | | ROCK | ALTERATION |
| 0 | | | | | hydrational breccia | | |
| 2 | | | | | | | |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | | | | | |
| 10 | | | | | | | |
| 12 | | | | | | | |
| 14 | | | | | | | |
| 16 | | | | | | | |
| 18 | | | | | | | |
| 20 | | | | | | | |
| 22 | | | | | | | |
| 24 | | | | | | | |
| 26 | | | | | | | |
| 28 | | | | | | | |
| 30 | | | | | | | |
| 32 | | | | | | | |
| 34 | | | | | | | |
| 36 | | | | | | | |
| 38 | | | | | | | |
| 40 | | | | | | | |
| REMARKS | | | | | | | |

feet

673168

RGC EXPLORATION PTY LTD

DRILL HOLE No RH1

SHEET 3 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ┆ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

RGC EXPLORATION PTY LTD

DRILL HOLE No RH1

SHEET 4 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ┆ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|------------------------|---------------|---------|----------------|------------|------------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 10 | | | | | | | | |
| 12 | | | | | | | | |
| 14 | | | | | | | | |
| 16 | | | | | | | | |
| 18 | | | | | | | | |
| 20 | | | | | | | | |
| 22 | | | | | | | | |
| 24 | | | | | | | | |
| 26 | | | | | | | | |
| 28 | | | | | | | | |
| 30 | | | | | | | | |
| 32 | | | | | | | | |
| 34 | | | | | | | | |
| 36 | | | | | | | | |
| 38 | | | | | | | | |
| 40 | | | | | | | | |
| 42 | | | | | | | | |
| 44 | | | | | | | | |
| 46 | | | | | | | | |
| 48 | | | | | | | | |
| 50 | | | | | | | | |
| 52 | | | | | | | | |
| 54 | | | | | | | | |
| 56 | | | | | | | | |
| 58 | | | | | | | | |
| 60 | | | | | | | | |
| REMARKS | | | | | | | | |

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|------------------------|---------------|---------|----------------|------------|------------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 10 | | | | | | | | |
| 12 | | | | | | | | |
| 14 | | | | | | | | |
| 16 | | | | | | | | |
| 18 | | | | | | | | |
| 20 | | | | | | | | |
| 22 | | | | | | | | |
| 24 | | | | | | | | |
| 26 | | | | | | | | |
| 28 | | | | | | | | |
| 30 | | | | | | | | |
| 32 | | | | | | | | |
| 34 | | | | | | | | |
| 36 | | | | | | | | |
| 38 | | | | | | | | |
| 40 | | | | | | | | |
| 42 | | | | | | | | |
| 44 | | | | | | | | |
| 46 | | | | | | | | |
| 48 | | | | | | | | |
| 50 | | | | | | | | |
| 52 | | | | | | | | |
| 54 | | | | | | | | |
| 56 | | | | | | | | |
| 58 | | | | | | | | |
| 60 | | | | | | | | |
| REMARKS | | | | | | | | |

* Rock Sample

G91670

RGC EXPLORATION PTY LTD

DRILL HOLE No 281

SHEET 5 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | ROCK | ALTERATION |
| 2 | | | ⊞ | | 491m | | |
| 4 | | | └ | | | | |
| 6 | | | └ | | | | |
| 8 | | | └ | | | | |
| 10 | | | └ | | | | |
| 12 | | | └ | | | | |
| 14 | | | └ | | | | |
| 16 | | | └ | | | | |
| 18 | | | └ | | | | |
| 20 | | | └ | | | | |
| 22 | | | └ | | | | |
| 24 | | | └ | | | | |
| 26 | | | └ | | | | |
| 28 | | | └ | | | | |
| 30 | | | └ | | | | |
| 32 | | | └ | | | | |
| 34 | | | └ | | | | |
| 36 | | | └ | | | | |
| 38 | | | └ | | | | |
| 40 | | | └ | | | | |
| 42 | | | └ | | | | |
| 44 | | | └ | | | | |
| 46 | | | └ | | | | |
| 48 | | | └ | | | | |
| 50 | | | └ | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No 281

SHEET 6 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | ROCK | ALTERATION |
| 2 | | | └ | | | | |
| 4 | | | └ | | | | |
| 6 | | | └ | | | | |
| 8 | | | └ | | | | |
| 10 | | | └ | | | | |
| 12 | | | └ | | | | |
| 14 | | | └ | | | | |
| 16 | | | └ | | | | |
| 18 | | | └ | | | | |
| 20 | | | └ | | | | |
| 22 | | | └ | | | | |
| 24 | | | └ | | | | |
| 26 | | | └ | | | | |
| 28 | | | └ | | | | |
| 30 | | | └ | | | | |
| 32 | | | └ | | | | |
| 34 | | | └ | | | | |
| 36 | | | └ | | | | |
| 38 | | | └ | | | | |
| 40 | | | └ | | | | |
| 42 | | | └ | | | | |
| 44 | | | └ | | | | |
| 46 | | | └ | | | | |
| 48 | | | └ | | | | |
| 50 | | | └ | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No 241

SHEET 7 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| MOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|--|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 250 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | Texturally destructive chl-mag ± kfeld at 2 | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 240 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 270 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 280 | | | | | | | | |

REMARKS

Cwl
LDB
OMK8

OK-6

RGC EXPLORATION PTY LTD

DRILL HOLE No 241

SHEET 8 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| MOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 240 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 300 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 30 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 320 | | | | | | | | |

REMARKS

Patchy chl-kfeld at 2

Cwl
LDB
OK-6

OK-6

RGC EXPLORATION PTY LTD

DRILL HOLE No 241

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 9 OF 12

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 330 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 340 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 350 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 360 | | | | | | | | |
| REMARKS | | | | | | | | |

Cool
LOFS
OK-6

RGC EXPLORATION PTY LTD

DRILL HOLE No 241

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 10 OF 12

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 370 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 380 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 390 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 400 | | | | | | | | |
| REMARKS | | | | | | | | |

OK-6

Cool
LOFS

OK-8

371579

RGC EXPLORATION PTY LTD

DRILL HOLE No 241

RGC EXPLORATION PTY LTD

DRILL HOLE No 241

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 11 OF 17

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 12 OF 17

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | GEOLOGY NOTES | SUMMARY | | | |
|-----------------------------------|---------------|---------|-------------|----|----|----|-----|-----|----|----|----|----|---------------|---------|------------|--|--|
| | | | SH | CL | FR | SS | SIL | SER | PK | CH | CH | CH | | ROCK | ALTERATION | | |
| 0 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 410 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 420 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 430 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 440 | | | | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | | |

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | GEOLOGY NOTES | SUMMARY | | | |
|-----------------------------------|---------------|---------|-------------|----|----|----|-----|-----|----|----|----|----|---------------|---------|------------|--|--|
| | | | SH | CL | FR | SS | SIL | SER | PK | CH | CH | CH | | ROCK | ALTERATION | | |
| 0 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 450 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 460 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 470 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 480 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 490 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 510 | | | | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | | |

GOLDFIELDS EXPLORATION DRILL HOLE RECORD

| | | | |
|-------------|-------------------------|-------------|---------------|
| HOLE NUMBER | RH2 (Red Hills No.2) | DRILLED BY | |
| PROJECT | | NORTHING | 5385515 |
| PROSPECT | | EASTING | 382650 |
| COMPANY | MLMRC | RL | 910 |
| LOGGED BY | | INCLINATION | -42 |
| COMMENCED | | AZIMUTH | 097 |
| FINISHED | 1971 | EOH | 450ft, 137.2m |

PURPOSE

| |
|--|
| Drilled to test a Pole-dipole geophysical anomaly. |
| Collared at 1600S, 2500E. |
| |
| |
| |

SURVEY DATA

| DEPTH | INC. | AZ. | DEPTH | INC. | AZ. | DEPTH | INC. | AZ. |
|-------|------|-----|-------|------|-----|-------|------|-----|
| 0 | -42 | 097 | | | | | | |
| 28.6 | -42 | 098 | | | | | | |
| 56.6 | -40 | 099 | | | | | | |
| 82.3 | -40 | 100 | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|-------|----------|
| | | |
| | | |
| | | |

SUMMARY

| |
|---|
| Reference:- |
| Stevens-Hoare, 1975. 9/66 Annual Report 1974-75. P27-28, Figs 14 + 35 |
| McKibben, 1972, 9/66 Annual Report 1971-72. P7-8, Map 6 |
| Roberts and Cartwright, 1984. 9/66 Annual Report 1983-84. Fig 13 |
| |
| Assays |
| Purvis et al, 1983. 9/66 Review. (Au, S) |
| |
| |

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : P-3 W11

PROSPECT :

DATE : March 2000

LOGGED BY : M. Vicari

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | | |
|--------------------------------|---------------|---------|-------------|------------|---------------|---------|------------|--|
| | | | | | | ROCK | ALTERATION | |
| 2 | | | | | | | | |
| 11 | | | | | | | | |
| 6 | | | | | | | | |
| 6 | | | | | | | | |
| 6 | | | | | | | | |
| 50 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 6 | | | | | | | | |
| 20 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 6 | | | | | | | | |
| 6 | | | | | | | | |
| 50 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 8 | | | | | | | | |
| REMARKS | | | | | | | | |

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :

PROSPECT :

DATE :

LOGGED BY :

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | | |
|--------------------------------|---------------|---------|-------------|------------|---------------|---------|------------|--|
| | | | | | | ROCK | ALTERATION | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 6 | | | | | | | | |
| 6 | | | | | | | | |
| 50 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 6 | | | | | | | | |
| 6 | | | | | | | | |
| 60 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 6 | | | | | | | | |
| 6 | | | | | | | | |
| 60 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 6 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 8 | | | | | | | | |
| REMARKS | | | | | | | | |

82/10

GTS 19

RGC EXPLORATION PTY LTD

DRILL HOLE No 217

SHEET 3 OF 17

- Bedding
- ⌊ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- ⊞ Massive
- ⊞ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|--------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 2 | | | | Γ | | | | |
| 4 | | | | | | | | |
| 6 | | | | Γ | | | | |
| 8 | | | | Γ | | | | |
| 10 | | | | Γ | | | | |
| 12 | | | | Γ | | | | |
| 14 | | | | Γ | | | | |
| 16 | | | | Γ | | | | |
| 18 | | | | Γ | | | | |
| 20 | | | | Γ | | | | |
| 22 | | | | Γ | | | | |
| 24 | | | | Γ | | | | |
| 26 | | | | Γ | | | | |
| 28 | | | | Γ | | | | |
| 30 | | | | Γ | | | | |
| 32 | | | | Γ | | | | |
| 34 | | | | Γ | | | | |
| 36 | | | | Γ | | | | |
| 38 | | | | Γ | | | | |
| 40 | | | | Γ | | | | |
| 42 | | | | Γ | | | | |
| 44 | | | | Γ | | | | |
| 46 | | | | Γ | | | | |
| 48 | | | | Γ | | | | |
| 50 | | | | Γ | | | | |
| 52 | | | | Γ | | | | |
| 54 | | | | Γ | | | | |
| 56 | | | | Γ | | | | |
| 58 | | | | Γ | | | | |
| 60 | | | | Γ | | | | |
| 62 | | | | Γ | | | | |
| 64 | | | | Γ | | | | |
| 66 | | | | Γ | | | | |
| 68 | | | | Γ | | | | |
| 70 | | | | Γ | | | | |
| 72 | | | | Γ | | | | |
| 74 | | | | Γ | | | | |
| 76 | | | | Γ | | | | |
| 78 | | | | Γ | | | | |
| 80 | | | | Γ | | | | |
| 82 | | | | Γ | | | | |
| 84 | | | | Γ | | | | |
| 86 | | | | Γ | | | | |
| 88 | | | | Γ | | | | |
| 90 | | | | Γ | | | | |
| 92 | | | | Γ | | | | |
| 94 | | | | Γ | | | | |
| 96 | | | | Γ | | | | |
| 98 | | | | Γ | | | | |
| 100 | | | | Γ | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No 212

SHEET 4 OF 12

- Bedding
- ⌊ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- ⊞ Massive
- ⊞ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|--------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 2 | | | | Γ | | | | |
| 4 | | | | | | | | |
| 6 | | | | Γ | | | | |
| 8 | | | | Γ | | | | |
| 10 | | | | Γ | | | | |
| 12 | | | | Γ | | | | |
| 14 | | | | Γ | | | | |
| 16 | | | | Γ | | | | |
| 18 | | | | Γ | | | | |
| 20 | | | | Γ | | | | |
| 22 | | | | Γ | | | | |
| 24 | | | | Γ | | | | |
| 26 | | | | Γ | | | | |
| 28 | | | | Γ | | | | |
| 30 | | | | Γ | | | | |
| 32 | | | | Γ | | | | |
| 34 | | | | Γ | | | | |
| 36 | | | | Γ | | | | |
| 38 | | | | Γ | | | | |
| 40 | | | | Γ | | | | |
| 42 | | | | Γ | | | | |
| 44 | | | | Γ | | | | |
| 46 | | | | Γ | | | | |
| 48 | | | | Γ | | | | |
| 50 | | | | Γ | | | | |
| 52 | | | | Γ | | | | |
| 54 | | | | Γ | | | | |
| 56 | | | | Γ | | | | |
| 58 | | | | Γ | | | | |
| 60 | | | | Γ | | | | |
| 62 | | | | Γ | | | | |
| 64 | | | | Γ | | | | |
| 66 | | | | Γ | | | | |
| 68 | | | | Γ | | | | |
| 70 | | | | Γ | | | | |
| 72 | | | | Γ | | | | |
| 74 | | | | Γ | | | | |
| 76 | | | | Γ | | | | |
| 78 | | | | Γ | | | | |
| 80 | | | | Γ | | | | |
| 82 | | | | Γ | | | | |
| 84 | | | | Γ | | | | |
| 86 | | | | Γ | | | | |
| 88 | | | | Γ | | | | |
| 90 | | | | Γ | | | | |
| 92 | | | | Γ | | | | |
| 94 | | | | Γ | | | | |
| 96 | | | | Γ | | | | |
| 98 | | | | Γ | | | | |
| 100 | | | | Γ | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH2

RGC EXPLORATION PTY LTD

DRILL HOLE No RH2

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 5 OF 12

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 6 OF 12

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 10 | | | | | | | | |
| 12 | | | | | | | | |
| 14 | | | | | | | | |
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| 98 | | | | | | | | |
| 100 | | | | | | | | |

Ccvt
LDF
OMKB

REMARKS

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 10 | | | | | | | | |
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| 38 | | | | | | | | |
| 40 | | | | | | | | |
| 42 | | | | | | | | |
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| 52 | | | | | | | | |
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| 58 | | | | | | | | |
| 60 | | | | | | | | |
| 62 | | | | | | | | |
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| 70 | | | | | | | | |
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| 82 | | | | | | | | |
| 84 | | | | | | | | |
| 86 | | | | | | | | |
| 88 | | | | | | | | |
| 90 | | | | | | | | |
| 92 | | | | | | | | |
| 94 | | | | | | | | |
| 96 | | | | | | | | |
| 98 | | | | | | | | |
| 100 | | | | | | | | |

Ccvt
LDF
OMKB

61869

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No 242

SHEET 7 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|--------------------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | ROCK | ALTERATION |
| 2 | | | └ | | | | |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | | | | | |
| 240 | | | └ | | | | |
| 2 | | | └ | | | | |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | └ | | | | |
| 260 | | | | | | | |
| 2 | | | └ | | | | |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | └ | | | | |
| 270 | | | └ | | | | |
| 2 | | | | | | | |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | └ | | | | |
| 280 | | | | | | | |
| 2 | | | └ | | | | |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | └ | | | | |
| 290 | | | | | | | |
| 2 | | | └ | | | | |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | └ | | | | |
| 300 | | | | | | | |
| 2 | | | └ | | | | |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | └ | | | | |
| 310 | | | | | | | |
| 2 | | | └ | | | | |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | └ | | | | |
| 320 | | | | | | | |
| 2 | | | └ | | | | |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | └ | | | | |
| 330 | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No 242

SHEET 8 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|--------------------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | ROCK | ALTERATION |
| 2 | | | └ | | | | |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | | | | | |
| 240 | | | └ | | | | |
| 2 | | | | | | | |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | └ | | | | |
| 300 | | | | | | | |
| 2 | | | └ | | | | |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | └ | | | | |
| 310 | | | | | | | |
| 2 | | | └ | | | | |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | └ | | | | |
| 320 | | | | | | | |
| 2 | | | └ | | | | |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | └ | | | | |
| 330 | | | | | | | |

REMARKS

Ceul
 10F1
 0MK8
 81819
 Ka8

RGC EXPLORATION PTY LTD

DRILL HOLE No RH2

SHEET 9 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 330 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 340 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 350 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 360 | | | | | | | | |

REMARKS

Cool
Lof1
KO-B

RGC EXPLORATION PTY LTD

DRILL HOLE No RH2

SHEET 10 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 570 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 380 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 390 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 400 | | | | | | | | |

REMARKS

highly broken chl with some possible bratt dake

broken zone

FAULT

Cool
Lof1
KO-B

CA
I8--
O--B

Cool
Lof1
KO-B

Cool
Lof1
KO-B

673179

RGC EXPLORATION PTY LTD

DRILL HOLE No 2H2

SHEET 11 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | ALTERATION | GEOLOGY NOTES | SUMMARY | | | |
|--------------------------------|---------------|---------|-------------|---|---|---|---|---|---|---|---|----|------------|---------------|---------|----|----|------|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | SIL | SE | PT | ROCK |
| 2 | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | | | | | | | |
| 36 | | | | | | | | | | | | | | | | | | |
| 38 | | | | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | |
| 42 | | | | | | | | | | | | | | | | | | |
| 44 | | | | | | | | | | | | | | | | | | |
| 46 | | | | | | | | | | | | | | | | | | |
| 48 | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | |
| 52 | | | | | | | | | | | | | | | | | | |
| 54 | | | | | | | | | | | | | | | | | | |
| 56 | | | | | | | | | | | | | | | | | | |
| 58 | | | | | | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | | | | | | |
| 62 | | | | | | | | | | | | | | | | | | |
| 64 | | | | | | | | | | | | | | | | | | |
| 66 | | | | | | | | | | | | | | | | | | |
| 68 | | | | | | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | | | |

673180

RGC EXPLORATION PTY LTD

DRILL HOLE No 2H2

SHEET 12 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | ALTERATION | GEOLOGY NOTES | SUMMARY | | | |
|--------------------------------|---------------|---------|-------------|---|---|---|---|---|---|---|---|----|------------|---------------|---------|----|----|------|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | SIL | SE | PT | ROCK |
| 2 | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
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| 20 | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | |
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| 36 | | | | | | | | | | | | | | | | | | |
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| 42 | | | | | | | | | | | | | | | | | | |
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| 72 | | | | | | | | | | | | | | | | | | |
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| 76 | | | | | | | | | | | | | | | | | | |
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| 86 | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | | | |

Coal
LSP1
aV-6

GOLDFIELDS EXPLORATION DRILL HOLE RECORD

| | | | |
|-------------|-------------------------|-------------|-------------|
| HOLE NUMBER | RH3 (Red Hills No.3) | DRILLED BY | |
| PROJECT | | NORTHING | 5365106 |
| PROSPECT | | EASTING | 382530 |
| COMPANY | MLMRC | RL | 882 |
| LOGGED BY | | INCLINATION | -45 |
| COMMENCED | | AZIMUTH | 102 |
| FINISHED | 1971 | EOH | 407ft, 125m |

PURPOSE

| |
|--|
| Drilled to test a Pole-dipole geophysical anomaly. |
| Collared at 2900S, 2400E. |
| |
| |
| |
| |

SURVEY DATA

| DEPTH | INC. | AZ. | DEPTH | INC. | AZ. | DEPTH | INC. | AZ. |
|-------|------|-----|-------|------|-----|-------|------|-----|
| 0 | -45 | 102 | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
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| | | | | | | | | |

DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|-------|----------|
| | | |
| | | |
| | | |

SUMMARY

| |
|--|
| Reference:- |
| Stevens-Hoare, 1975. 9/66 Annual Report 1974-75. P28, Figs 14 + 36 |
| McKibben, 1972, 9/66 Annual Report 1971-72. P8, Map 6 |
| Roberts and Cartwright, 1984. 9/66 Annual Report 1983-84. Fig 13 |
| (Note:- RH3 incorrectly shown as RH13 (which appears twice)) |
| |
| |
| Not Assayed |
| |
| |

EGG EXPLORATION PTY LTD

DRILL HOLE No 673182

- Breccia
- Fault, Shear
- Foliation
- Broken core
- Narrow vein
- Visible gold

PROSPECT :
 DATE : March 2000
 LOGGED BY : M. Vicari

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | ALTERATION | GEOLOGY NOTES | SUMMARY | | | | | | |
|-----------------------------------|---------------|---------|-------------|---|---|---|---|---|---|---|---|----|------------|---------------|---------|----|------|------|-----|------|------------|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | 11 | 12 | SIL. | SER. | PK. | Rock | Alteration |
| 2 | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | |
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| 28 | | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | | | | | | | | | | |
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| REMARKS | | | | | | | | | | | | | | | | | | | | | |

Massive to microbrecciated
 Kfd phytic Dark
 Texturally destructive k-feld-chl
 ± Na/Alm alteration

Coal
 LDF/
 KOMB

EGG EXPLORATION PTY LTD

DRILL HOLE No 673182

- Breccia
- Fault, Shear
- Foliation
- Broken core
- Narrow vein
- Visible gold

PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | ALTERATION | GEOLOGY NOTES | SUMMARY | | | | | | |
|-----------------------------------|---------------|---------|-------------|---|---|---|---|---|---|---|---|----|------------|---------------|---------|----|------|------|-----|------|------------|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | 11 | 12 | SIL. | SER. | PK. | Rock | Alteration |
| 2 | | | | | | | | | | | | | | | | | | | | | |
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| 38 | | | | | | | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | |

673182

- Fault, Shear
- Breccia
- Broken core
- Foliation
- Pervasive
- Narrow vein
- Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
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| 42 | | | | | | | | |
| 44 | | | | | | | | |
| 46 | | | | | | | | |
| 48 | | | | | | | | |
| 50 | | | | | | | | |
| REMARKS | | | | | | | | |

Coal
Lpf/
KOMB

- Fault, Shear
- Breccia
- Broken core
- Foliation
- Pervasive
- Narrow vein
- Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | |
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| 30 | | | | | | | | |
| 32 | | | | | | | | |
| 34 | | | | | | | | |
| 36 | | | | | | | | |
| 38 | | | | | | | | |
| 40 | | | | | | | | |
| 42 | | | | | | | | |
| 44 | | | | | | | | |
| 46 | | | | | | | | |
| 48 | | | | | | | | |
| 50 | | | | | | | | |
| REMARKS | | | | | | | | |

Coal
Lpf/
KOMB

673183

- Creavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Massive
- Pervasive
- Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

- Creavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Massive
- Pervasive
- Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|-------------|------------|------|------|---------------|---------|------------|
| | | | | SIL. | SER. | PHY. | | ROCK | ALTERATION |
| 2 | | | ┌ | | | | | | |
| 4 | | | ┌ | | | | | | |
| 6 | | | ┌ | | | | | | |
| 8 | | * | ┌ | | | | | | |
| 10 | | | ┌ | | | | | | |
| 12 | | | ┌ | | | | | | |
| 14 | | | ┌ | | | | | | |
| 16 | | | ┌ | | | | | | |
| 18 | | | ┌ | | | | | Coal | KOM-B |
| 20 | | | ┌ | | | | | | |
| 22 | | | ┌ | | | | | | |
| 24 | | | ┌ | | | | | | |
| 26 | | | ┌ | | | | | | |
| 28 | | | ┌ | | | | | | |
| 30 | | | ┌ | | | | | | |
| 32 | | | ┌ | | | | | | |
| 34 | | | ┌ | | | | | | |
| 36 | | | ┌ | | | | | | |
| 38 | | | ┌ | | | | | | |
| 40 | | | ┌ | | | | | | |
| 42 | | | ┌ | | | | | | |
| 44 | | | ┌ | | | | | | |
| 46 | | | ┌ | | | | | | |
| 48 | | | ┌ | | | | | | |
| 50 | | | ┌ | | | | | | |
| REMARKS | | | | | | | | | |

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|-------------|------------|------|------|---------------|---------|------------|
| | | | | SIL. | SER. | PHY. | | ROCK | ALTERATION |
| 2 | | | ┌ | | | | | | |
| 4 | | | ┌ | | | | | | |
| 6 | | | ┌ | | | | | | |
| 8 | | | ┌ | | | | | | |
| 10 | | | ┌ | | | | | | |
| 12 | | | ┌ | | | | | | |
| 14 | | | ┌ | | | | | | |
| 16 | | | ┌ | | | | | | |
| 18 | | | ┌ | | | | | | |
| 20 | | | ┌ | | | | | | |
| 22 | | | ┌ | | | | | | |
| 24 | | | ┌ | | | | | | |
| 26 | | | ┌ | | | | | | |
| 28 | | | ┌ | | | | | | |
| 30 | | | ┌ | | | | | | |
| 32 | | | ┌ | | | | | | |
| 34 | | | ┌ | | | | | | |
| 36 | | | ┌ | | | | | | |
| 38 | | | ┌ | | | | | | |
| 40 | | | ┌ | | | | | | |
| 42 | | | ┌ | | | | | | |
| 44 | | | ┌ | | | | | | |
| 46 | | | ┌ | | | | | | |
| 48 | | | ┌ | | | | | | |
| 50 | | | ┌ | | | | | | |
| REMARKS | | | | | | | | | |

673184

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- Disseminated
- Massive
- ▨ Pervasive
- └ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- Disseminated
- Massive
- ▨ Pervasive
- └ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | |
| 2 | | | | | | | |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | | | | | |
| 10 | | | | | | | |
| 12 | | | | | | | |
| 14 | | | | | | | |
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| 20 | | | | | | | |
| 22 | | | | | | | |
| 24 | | | | | | | |
| 26 | | | | | | | |
| 28 | | | | | | | |
| 30 | | | | | | | |
| 32 | | | | | | | |
| 34 | | | | | | | |
| 36 | | | | | | | |
| 38 | | | | | | | |
| 40 | | | | | | | |

Coal
LDF1
KOMB

REMARKS

| HOLE DEPTH SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | |
| 2 | | | | | | | |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | | | | | |
| 10 | | | | | | | |
| 12 | | | | | | | |
| 14 | | | | | | | |
| 16 | | | | | | | |
| 18 | | | | | | | |
| 20 | | | | | | | |
| 22 | | | | | | | |
| 24 | | | | | | | |
| 26 | | | | | | | |
| 28 | | | | | | | |
| 30 | | | | | | | |
| 32 | | | | | | | |
| 34 | | | | | | | |
| 36 | | | | | | | |
| 38 | | | | | | | |
| 40 | | | | | | | |

Coal
LDF1
KOMB

REMARKS

673185

RGC EXPLORATION PTY LTD

DRILL HOLE No PH3

SHEET 9 OF 11

- Bedding
- └ Cleavage
- ~ Foliation
- Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ┌ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|--------------------------------|---------------|---------|-------------|------------|------|-----|---------------|---------|------------|
| | | | | SIL | SER. | PT. | | ROCK | ALTERATION |
| 2 | | | └ | | | | | | |
| 4 | | | | | | | | | |
| 6 | | | | | | | | | |
| 8 | | | | | | | | | |
| 330 | | | └ | | | | | | |
| 2 | | | | | | | | | |
| 4 | | | | | | | | | |
| 6 | | | | | | | | | |
| 8 | | | └ | | | | | | |
| 340 | | | | | | | | | |
| 2 | | | | | | | | | |
| 4 | | | | | | | | | |
| 6 | | | | | | | | | |
| 8 | | | └ | | | | | | |
| 350 | | | | | | | | | |
| 2 | | | | | | | | | |
| 4 | | | | | | | | | |
| 6 | | | | | | | | | |
| 8 | | | └ | | | | | | |
| 680 | | | | | | | | | |

Ccd
Lp/7
KOMB

RGC EXPLORATION PTY LTD

DRILL HOLE No PH5

SHEET 10 OF 11

- Bedding
- └ Cleavage
- ~ Foliation
- Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ┌ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|--------------------------------|---------------|---------|-------------|------------|------|-----|---------------|---------|------------|
| | | | | SIL | SER. | PT. | | ROCK | ALTERATION |
| 2 | | | └ | | | | | | |
| 4 | | | | | | | | | |
| 6 | | | | | | | | | |
| 8 | | | | | | | | | |
| 370 | | | └ | | | | | | |
| 2 | | | | | | | | | |
| 4 | | | | | | | | | |
| 6 | | | | | | | | | |
| 8 | | | └ | | | | | | |
| 380 | | | | | | | | | |
| 2 | | | | | | | | | |
| 4 | | | | | | | | | |
| 6 | | | | | | | | | |
| 8 | | | └ | | | | | | |
| 390 | | | | | | | | | |
| 2 | | | | | | | | | |
| 4 | | | | | | | | | |
| 6 | | | | | | | | | |
| 8 | | | └ | | | | | | |
| 680 | | | | | | | | | |

Ccd
Lp/7
KOMB

673186

GOLDFIELDS EXPLORATION DRILL HOLE RECORD

| | | | |
|-------------|------------|-------------|---------|
| HOLE NUMBER | RH4 | DRILLED BY | |
| PROJECT | Red Hills | NORTHING | 5365815 |
| PROSPECT | | EASTING | 382746 |
| COMPANY | MLMRC | RL | 830 |
| LOGGED BY | | INCLINATION | -51 |
| COMMENCED | 05-01-1977 | AZIMUTH | 258 |
| FINISHED | 08-01-1977 | EOH | 309.65 |

PURPOSE

| |
|---|
| To test a coincident pole-dipole and gradient array IP anomaly at L8S, 2200E and weak Soil anomaly (Av Cu = 191ppm) |
| Collared 125'N of 2500E, Line 8S. |
| |
| |

SURVEY DATA

| DEPTH | INC. | AZ. | DEPTH | INC. | AZ. | DEPTH | INC. | AZ. |
|-------|-------|-----|-------|------|-----|-------|------|-----|
| 0 | -51 | 258 | | | | | | |
| 49.2 | -52 | 258 | | | | | | |
| 120 | -53 | 258 | | | | | | |
| 181.2 | -53.5 | 258 | | | | | | |
| 222.6 | -55 | 258 | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|-------|----------|
| | | |
| | | |
| | | |

SUMMARY

| |
|--|
| Reference |
| Walter and Brophy, 1977. 9/66 Annual Report 1976-77. P3-4. Fig 1 |
| Roberts and Cartwright, 1984. 9/66 Annual Report 1983-84. Fig 13 |
| |
| Assays:- |
| Walter and Brophy, 1977. 9/66 Annual Report 1976-77. P4. (Cu, Pb, Zn, S) |
| Purvis et al, 1983. 9/66 Review. (Au, S) |
| |
| |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH4

- Bedding
- └ Cleavage
- ~ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊘ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 1 OF 16

PROJECT : Red Hills
 PROSPECT :
 DATE : March 2000
 LOGGED BY : M Vickery

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | | GEOLOGY NOTES | | | SUMMARY | | |
|--------------------------------|---------------|---------|-------------|------------|------|----|----|---------------|------|------------|---------|--|--|
| | | | | SIL | SER. | PK | CH | DESCRIPTION | ROCK | ALTERATION | | | |
| 1 | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH4

- Bedding
- └ Cleavage
- ~ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊘ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 2 OF 16

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | | GEOLOGY NOTES | | | SUMMARY | | |
|--------------------------------|---------------|---------|-------------|------------|------|----|----|---------------|------|------------|---------|--|--|
| | | | | SIL | SER. | PK | CH | DESCRIPTION | ROCK | ALTERATION | | | |
| 2 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | |
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| 18 | | | | | | | | | | | | | |
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REMARKS

073180

RGC EXPLORATION PTY LTD

DRILL HOLE No P44

SHEET 3 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ▨ Broken core
- ▨ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH M | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|------------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | Cu Pb Zn | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
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| 88 | | | | | | | | |
| 90 | | | | | | | | |
| 92 | | | | | | | | |
| 94 | | | | | | | | |
| 96 | | | | | | | | |
| 98 | | | | | | | | |
| 100 | | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No P44

SHEET 4 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ▨ Broken core
- ▨ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH M | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|------------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 10 | | | | | | | | |
| 12 | | | | | | | | |
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| 36 | | | | | | | | |
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| 40 | | | | | | | | |
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| 88 | | | | | | | | |
| 90 | | | | | | | | |
| 92 | | | | | | | | |
| 94 | | | | | | | | |
| 96 | | | | | | | | |
| 98 | | | | | | | | |
| 100 | | | | | | | | |

REMARKS

673190

RGC EXPLORATION PTY LTD

DRILL HOLE No PH4

SHEET 5 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | |
| 10 | | | | | | | | |
| 20 | | | | | | | | |
| 30 | | | | | | | | |
| 40 | | | | | | | | |
| 50 | | | | | | | | |
| 60 | | | | | | | | |
| 70 | | | | | | | | |
| 80 | | | | | | | | |
| 90 | | | | | | | | |
| 100 | | | | | | | | |
| REMARKS | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No PH4

SHEET 6 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | |
| 10 | | | | | | | | |
| 20 | | | | | | | | |
| 30 | | | | | | | | |
| 40 | | | | | | | | |
| 50 | | | | | | | | |
| 60 | | | | | | | | |
| 70 | | | | | | | | |
| 80 | | | | | | | | |
| 90 | | | | | | | | |
| 100 | | | | | | | | |
| REMARKS | | | | | | | | |

673191

RGC EXPLORATION PTY LTD

DRILL HOLE No RH4

SHEET 7 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 130 | | | | | | | Coal | OpMg |
| REMARKS | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH4

SHEET 8 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| | | | | | | | Coal | OpMg |
| REMARKS | | | | | | | | |

301039

--- Fault, Shear
 --- Breccia * Visible gold
 [X] Broken core

PROSPECT :
 DATE :
 LOGGED BY :

--- Fault, Shear
 --- Breccia * Visible gold
 [X] Broken core

PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| REMARKS | | | | | | | | |

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| REMARKS | | | | | | | | |

673196

GOLDFIELDS EXPLORATION DRILL HOLE RECORD

| | | | |
|-------------|------------|-------------|---------|
| HOLE NUMBER | RH5 | DRILLED BY | |
| PROJECT | | NORTHING | 5365140 |
| PROSPECT | Red Hills | EASTING | 382296 |
| COMPANY | MLMRC | RL | 830.3 |
| LOGGED BY | | INCLINATION | -50 |
| COMMENCED | 14-02-1977 | AZIMUTH | 103.3 |
| FINISHED | 01-03-1977 | EOH | 237.75 |

PURPOSE

| |
|---|
| To test pole-dipole IP anomaly on L32S, 1800E and to intersect Red Hills lava near No. 2W Adit. |
| Hole intersected small massive sulphide lens from 196 to 199m. (3m @ 11.2% Pb, 31.8% Zn, 5.8 g/t Au and 154 g/t Ag) |

SURVEY DATA

| DEPTH | INC. | AZ. | DEPTH | INC. | AZ. | DEPTH | INC. | AZ. |
|-------|-------|-------|-------|-------|-------|-------|------|-----|
| 0 | -50 | 103.3 | 104.8 | -47.5 | 105 | 201.3 | -43 | 101 |
| 19.4 | -50 | | 115.9 | -47.5 | 104 | 213.5 | -42 | 100 |
| 25.5 | -50.5 | | 128.1 | -46.5 | 104 | 225.7 | -41 | 099 |
| 37.7 | -51 | | 140.3 | -45 | 103 | 237.7 | -41 | 099 |
| 56.0 | -51 | | 152.5 | -44 | 102 | | | |
| 68.2 | -50.5 | | 164.7 | -43.5 | 101 | | | |
| 80.4 | -49.5 | 105 | 176.9 | -43 | 100.5 | | | |
| 92.6 | -48 | 105 | 189.1 | -43 | 100.5 | | | |

DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|--------------|----------|
| NXCU | 0 - 11.9 | |
| NQ | 11.9 - 237.7 | |

SUMMARY

| |
|--|
| References |
| Walter and Brophy, 1977. 9/66 Annual Report 1976-77. P4-5. Fig 2 |
| Purvis et al, 1983. 9/66 Annual Report 1982-83 Appendix B.(Log + assays). Plans 16 + 17 |
| Roberts and Cartwright, 1984. 9/66 Annual Report 1983-84. Fig 13 |
| Assays |
| Walter and Brophy, 1977. 9/66 Annual Report 1976-77. Appendix 1. (Cu, Pb, Zn, Ag, Au, etc) |
| Purvis et al, 1983. 9/66 Annual Report 1982-83 (Appendix B) (Cu, Pb, Zn, S) |
| Purvis et al, 1983. 9/66 Review. (Au, Ag) |
| TCR 87-2705 CRAE Core grinds (Cu, Pb, Zn, Ag, Au, As, Fe, Mn, Ba) |
| Anon, 1985, TCR 85-2451 |
| Petrology |
| Walter and Brophy, 1977. 9/66 Annual Report 1976-77. Appendix 2 |
| Geophysics |
| Down Hole EIP - Walter and Brophy, 1977. 9/66 Annual Report 1976-77. Fig 4. |
| DHEM - Funnel, 1987. TCR 87-2705 |
| DHSirotem - McNeill, 1989. TCR 89-3023 |
| DHEM - McNeill, 1989. TCR 89-3023 |

RGC EXPLORATION PTY LTD

DRILL HOLE No RHS (SUMMARY)

RGC EXPLORATION PTY LTD

DRILL HOLE No RHS (SUMMARY)

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊘ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 1 OF 2

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊘ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 2 OF 2

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|--------------------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | ROCK | ALTERATION |
| 10 | | | | | | | |
| 20 | | | | | | | |
| 30 | | | | | | | |
| 40 | | | | | | | |
| 50 | | | | | | | |
| 60 | | | | | | | |
| 70 | | | | | | | |
| 80 | | | | | | | |
| 90 | | | | | | | |
| 100 | | | | | | | |
| 110 | | | | | | | |
| 120 | | | | | | | |
| 130 | | | | | | | |
| 140 | | | | | | | |
| 150 | | | | | | | |
| 160 | | | | | | | |
| 170 | | | | | | | |
| 180 | | | | | | | |
| 190 | | | | | | | |
| 200 | | | | | | | |
| REMARKS | | | | | | | |

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|--------------------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | ROCK | ALTERATION |
| 210 | | | | | | | |
| 220 | | | | | | | |
| 230 | | | | | | | |
| REMARKS | | | | | | | |

673198

RGC EXPLORATION PTY LTD

DRILL HOLE No RHS

SHEET 1 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | | | | | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|-----|-----|---------|-------------|------------|------|-----|------|------------|---------------|---------|--|
| | | Cu | Pb | Zn | | | SIL. | SER. | PI. | ROCK | ALTERATION | | | |
| 1 | | 100 | 40 | 160 | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | |
| 3 | | 130 | 170 | 100 | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | 160 | 200 | 60 | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | 130 | 240 | 70 | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | 140 | 260 | 150 | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | 100 | 130 | 810 | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |
| 13 | | 90 | 30 | 380 | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | |
| 15 | | 150 | 70 | 370 | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | |
| 17 | | 440 | 60 | 760 | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | |
| 19 | | 170 | 30 | 570 | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | |

REMARKS _____

RGC EXPLORATION PTY LTD

DRILL HOLE No RHS

SHEET 2 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | | | | | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|-----|------|---------|-------------|------------|------|-----|------|------------|---------------|---------|--|
| | | Cu | Pb | Zn | | | SIL. | SER. | PI. | ROCK | ALTERATION | | | |
| 1 | | 130 | 270 | 300 | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | |
| 3 | | 100 | 40 | 570 | | | | | | | | | | |
| 4 | | 110 | | | | | | | | | | | | |
| 5 | | 100 | 80 | 770 | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | 120 | 80 | 950 | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | 110 | 70 | 1270 | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | 180 | 320 | 580 | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |
| 13 | | 110 | 700 | 820 | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | |
| 15 | | 160 | 430 | 770 | | | | | | | | | | |
| 16 | | 115 | | | | | | | | | | | | |
| 17 | | 80 | 610 | 980 | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | |
| 19 | | 80 | 620 | 1090 | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | |

REMARKS _____

673109

RGC EXPLORATION PTY LTD

DRILL HOLE No RHS

SHEET 3 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

| | |
|-------------|--|
| PROJECT : | |
| PROSPECT : | |
| DATE : | |
| LOGGED BY : | |

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|-----|-----|---------|-------------|------------|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | | | |
| 1 | | 100 | 580 | 800 | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | 110 | 250 | 330 | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | 120 | 240 | 320 | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | 160 | 180 | 250 | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | 180 | 240 | 300 | | | | | | |
| 10 | | | | | | | | | | |
| 1 | | 140 | 160 | 140 | | | | | Cus | SILT |
| 2 | | | | | | | | | | |
| 4 | | 120 | 250 | 350 | | | | | | |
| 5 | | 180 | 190 | 590 | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | 70 | 190 | 390 | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | 200 | 230 | 500 | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RHS

SHEET 4 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

| | |
|-------------|--|
| PROJECT : | |
| PROSPECT : | |
| DATE : | |
| LOGGED BY : | |

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|------|------|---------|-------------|------------|---------------|---------|-------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | | | |
| 1 | | 240 | 320 | 650 | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | 80 | 280 | 390 | | | | | | |
| 4 | | | | | | | | | | Cus SILT |
| 5 | | 70 | 410 | 320 | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | 30 | 260 | 300 | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | 30 | 0.13 | 0.4 | | * | | | | VDFC |
| 10 | | | | | | | | | | |
| 1 | | 90 | 240 | 280 | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | 0.10 | 0.11 | 780 | | | | | | |
| 4 | | 715 | | | | | | | | |
| 5 | | 60 | 160 | 270 | | | | | | VDFC |
| 6 | | | | | | | | | | |
| 7 | | 20 | 140 | 150 | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | 180 | 0.22 | 0.28 | | | | | | |

REMARKS

673200

RGC EXPLORATION PTY LTD

DRILL HOLE No RHS

SHEET 5 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

| | |
|-------------|--|
| PROJECT : | |
| PROSPECT : | |
| DATE : | |
| LOGGED BY : | |

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|------|------|---------|-------------|------------|-------------------|---------|------------|
| | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | | |
| 1 | 20 | 170 | 230 | | | | | | |
| 2 | | | | | | | | | |
| 3 | 40 | 220 | 270 | | | | | | |
| 4 | | | | | | | | | |
| 5 | 20 | 226 | 430 | | | | | | |
| 6 | | | | | | | sph. gal stringer | | |
| 7 | 40 | 860 | 0431 | | | | | | |
| 8 | | | | * | | | | | |
| 9 | 60 | 330 | 490 | | | | | | |
| 90 | | | | | | | | Vdcm | SP-8 |
| 1 | 70 | 220 | 560 | | | | | | |
| 2 | TLS | | | | | | | | |
| 3 | 60 | 480 | 0171 | | | | | | |
| 4 | | | | | | | | | |
| 5 | 40 | 440 | 011 | | | | | | |
| 6 | | | | | | | | | |
| 7 | 210 | 0251 | 082 | | | | sph. gal stringer | | |
| 8 | | | | | | | | | |
| 9 | 10 | 550 | 600 | | | | | | |
| 100 | | | | | | | | | |
| REMARKS | | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RHS

SHEET 6 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

| | |
|-------------|--|
| PROJECT : | |
| PROSPECT : | |
| DATE : | |
| LOGGED BY : | |

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|-----|-----|---------|-------------|------------|---------------|---------|------------|
| | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | | |
| 1 | 30 | 400 | 980 | | | | | | |
| 2 | | | | | | | | | |
| 3 | 20 | 150 | 420 | | | | | | |
| 4 | | | | | | | | | |
| 5 | 30 | 80 | 240 | | | | | | |
| 6 | TLS | | | | | | | | |
| 7 | 40 | 110 | 140 | | | | | | |
| 8 | | | | | | | | | |
| 9 | 240 | 80 | 100 | | | | | | |
| 10 | | | | | | | | | |
| 1 | 240 | 150 | 140 | | | | | | |
| 2 | | | | | | | | | |
| 3 | 130 | 160 | 180 | | | | | | |
| 4 | | | | | | | | | |
| 5 | 90 | 110 | 150 | | | | | | |
| 6 | | | | | | | | | |
| 7 | 80 | 110 | 110 | | | | | | |
| 8 | | | | | | | | | |
| 9 | 100 | 100 | 120 | | | | | | |
| 100 | | | | | | | | | |
| REMARKS | | | | | | | | | |

673201

RGC EXPLORATION PTY LTD

DRILL HOLE No RHS

SHEET 7 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|-----|-----|---------|-------------|------------|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 120 | | | | | | | | | | |
| 1 | | 250 | 340 | 190 | | | | | VDFC | |
| 2 | | | | | | | | | | |
| 3 | | 70 | 150 | 280 | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | 480 | 140 | 130 | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | 80 | 520 | 580 | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | 60 | 340 | 250 | | | | | | |
| 130 | | | | | | | | | | |
| 1 | | 50 | 50 | 90 | | | | | VDFC | 5-6 |
| 2 | | | | | | | | | | |
| 3 | | 60 | 110 | 90 | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | 50 | 100 | 90 | * | | | | | |
| 6 | | | | | | | | | | |
| 7 | | 70 | 80 | 130 | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | 70 | 60 | 90 | | | | | | |
| 140 | T/S | | | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RHS

SHEET 8 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|------|------|---------|-------------|------------|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 120 | | | | | | | | | | |
| 1 | | 120 | 290 | 180 | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | 70 | 0.19 | 0.11 | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | 50 | 510 | 230 | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | 60 | 350 | 340 | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | 50 | 130 | 240 | | | | | | |
| 150 | | | | | | | | | | |
| 1 | | 80 | 400 | 720 | | | | | | |
| 2 | | | | | | | | | | |
| 3 | T/S | 110 | 100 | 180 | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | 80 | 70 | 140 | | | | | | |
| 6 | | 90 | 60 | 230 | | | | | | |
| 7 | | | | | | | | | | |
| 8 | T/S | 0.29 | 330 | 460 | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | 0.15 | 180 | 350 | | | | | | |

REMARKS

673202

RGC EXPLORATION PTY LTD

DRILL HOLE No RHS

RGC EXPLORATION PTY LTD

DRILL HOLE No RHS

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 9 OF 12

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 10 OF 12

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|-----|------|---------|-------------|------------|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 160 | | | | | | | | | | |
| 1 | | 600 | 180 | 620 | | | | | | |
| 2 | | 150 | 90 | 180 | | | | | | |
| 3 | | 100 | 100 | 150 | | | | | | |
| 4 | | 90 | 130 | 0471 | | | | | | |
| 5 | | 70 | 90 | 90 | | | | | | |
| 6 | | 180 | 90 | 50 | | | | | | |
| 7 | HS | 90 | 100 | 80 | | | | | | |
| 8 | | 120 | 110 | 260 | | | | | | |
| 9 | | 060 | 120 | 370 | | | | | | |
| 10 | HS | 021 | 70 | 550 | | | | | | |
| 11 | | 140 | 50 | 100 | | | | | | |
| 12 | | 100 | 40 | 70 | | | | | | |
| 13 | HS | 270 | 017 | 710 | | | | | | |
| 140 | | | | | | | | | | |

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|------|------|---------|-------------|------------|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 160 | | | | | | | | | | |
| 1 | | 100 | 90 | 110 | | | | | | |
| 2 | | 720 | 520 | 240 | | | | | | |
| 3 | | 100 | 80 | 100 | | | | | | |
| 4 | | 160 | 150 | 150 | | | | | | |
| 5 | | 260 | 140 | 120 | | | | | | |
| 6 | | 90 | 190 | 170 | | | | | | |
| 7 | | 160 | 170 | 0187 | | | | | | |
| 8 | | 90 | 160 | 740 | | | | | | |
| 9 | HS | 90 | 190 | 0101 | | | | | | |
| 10 | | 500 | 130 | 290 | | | | | | |
| 11 | | 700 | 100 | 0357 | | | | | | |
| 12 | | 013 | 1900 | 0157 | | | | | | |
| 13 | | 020 | 887 | 3101 | | | | | | |
| 14 | | 035 | 122 | 3451 | | | | | | |
| 15 | | 033 | 123 | 2851 | | | | | | |
| 16 | | 051 | 700 | 0257 | | | | | | |
| 170 | | | | | | | | | | |

673203

RGC EXPLORATION PTY LTD

DRILL HOLE No RHS

RGC EXPLORATION PTY LTD

DRILL HOLE No RHS

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 11 OF 12

PROJECT : _____

PROSPECT : _____

DATE : _____

LOGGED BY : _____

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 12 OF 12

PROJECT : _____

PROSPECT : _____

DATE : _____

LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|-----|------|---------|-------------|------------|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 200 | T15 | 500 | 100 | -1 | * | | | | | |
| 1 | | 230 | | | | | | | | |
| 2 | | 460 | 200 | 0.05 | | | | | | |
| 3 | | 110 | | | | | | | | |
| 4 | T15 | 150 | 180 | 0.02 | | | | | | |
| 5 | | 240 | 80 | 0.01 | | | | | VD-P | Q POB |
| 6 | | 70 | | | | | | | | |
| 7 | | 370 | 540 | 0.01 | | | | | | |
| 8 | | 950 | 190 | 0.04 | | | | | | |
| 9 | | 20 | | | | | | | | |
| 210 | T15 | 110 | 200 | 0.01 | | | | | | |
| 1 | | 750 | 50 | 0.01 | | | | | | |
| 2 | T15 | 250 | 310 | 0.55 | | | | | | |
| 3 | T15 | 280 | 990 | | | | | | | |
| 4 | | 300 | 230 | 0.72 | | | | | | |
| 5 | T15 | 280 | 200 | 0.57 | | | | | | |
| 6 | | 200 | 100 | 0.58 | * | | | | | |
| 7 | | 250 | 60 | | | | | | | |
| 8 | | 750 | 750 | | | | | | | |
| 9 | | 160 | 20 | | | | | | | |
| 220 | | 60 | | | | | | | | |

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|----|-----|---------|-------------|------------|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 1 | | 550 | 20 | 100 | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | 560 | 10 | 70 | | | | | | |
| 4 | | 130 | 10 | 70 | | | | | | |
| 5 | | 130 | 30 | 50 | | | | | | |
| 6 | | 110 | 10 | 50 | * | | | | | |
| 7 | | 120 | 10 | 30 | | | | | | |
| 8 | | 320 | 10 | 40 | | | | | | |
| 9 | | 70 | 10 | 80 | | | | | | |
| 230 | T15 | 150 | 10 | 70 | | | | | | |
| 1 | | 200 | 20 | 60 | | | | | | |
| 2 | | 230 | 10 | 80 | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |

673204

46

30

GOLDFIELDS EXPLORATION DRILL HOLE RECORD

| | | | |
|-------------|------------|-------------|---------|
| HOLE NUMBER | RH6 | DRILLED BY | |
| PROJECT | | NORTHING | 5365182 |
| PROSPECT | Red Hills | EASTING | 382136 |
| COMPANY | MLMRC | RL | 819.3 |
| LOGGED BY | | INCLINATION | -54 |
| COMMENCED | 16/03/1977 | AZIMUTH | 101 |
| FINISHED | | EOH | 157.25 |

PURPOSE

| |
|--|
| To target the down dip extension of the mineralisation intersected in RH5, approximately 100m below RH5. |
| |
| |
| |
| Collar Location :- Approximately 2900S, 1000E |
| |

SURVEY DATA

| DEPTH | INC. | AZ. | DEPTH | INC. | AZ. | DEPTH | INC. | AZ. |
|-------|------|-----|-------|------|-----|-------|------|-----|
| 0 | -54 | 101 | | | | | | |
| 20 | -52 | 101 | | | | | | |
| 40 | -49 | 101 | | | | | | |
| 60 | -45 | 101 | | | | | | |
| 80 | -40 | 101 | | | | | | |
| 100 | -36 | 101 | | | | | | |
| 110 | -34 | 101 | | | | | | |
| 130 | -32 | 101 | | | | | | |

DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|------------|---|
| HQ | 0 - 9 | RH6 stopped at 157.25m due to extensive |
| NQ | 9 - 157.25 | Flattening. A wedge RH6R was |
| | | Commenced from 9m down RH6. |
| | | |

SUMMARY

| |
|--|
| References |
| Walter and Brophy, 1977. 9/66 Annual Report 1976-77. P5-6, Fig 2 |
| Walter, 1978. 9/66 Annual Report 1977-78, Plan 10. |
| |
| |
| Not assayed. |
| |
| |
| |
| |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH6 (SUMMARY)

SHEET 1 OF 1

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

| | |
|-------------|--------|
| PROJECT : | |
| PROSPECT : | 673206 |
| DATE : | |
| LOGGED BY : | |

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|----------------|---------------------|---------------|---------|--------------|------------|------|-----|---------------|---------|------------|
| | | | | | SIL. | SER. | PT. | | ROCK | ALTERATION |
| 10 | | | | 1 16 | | | | | | |
| 20 | | | | 1 4 | | | | | | |
| 30 | | | | 1 4 | | | | | | |
| 40 | | | | 1 4 10 32 | | | | | | |
| 50 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| 90 | | | | | | | | | | |
| 100 | | | | | | | | | | |
| 110 | | | | | | | | | | |
| 120 | | | | | | | | | | |
| 130 | | | | | | | | | | |
| 140 | | | | | | | | | | |
| 150 | | | | | | | | | | |
| EOH = 157.25m | | | | | | | | | | |
| REMARKS | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH6

RGC EXPLORATION PTY LTD

DRILL HOLE No RH6

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 1 OF 8

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 7 OF 8

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | ALTERATION | GEOLOGY NOTES | SUMMARY | | | | | | | | | |
|--------------------------------------|---------------|---------|-------------|---|---|---|---|---|------------|---------------|---------|---|---|----|------|------------|--|--|--|--|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | | | 7 | 8 | 9 | 10 | ROCK | ALTERATION | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |

REMARKS

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | ALTERATION | GEOLOGY NOTES | SUMMARY | | | | | | | | | |
|--------------------------------------|---------------|---------|-------------|---|---|---|---|---|------------|---------------|---------|---|---|----|------|------------|--|--|--|--|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | | | 7 | 8 | 9 | 10 | ROCK | ALTERATION | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |

REMARKS

673207

RGC EXPLORATION PTY LTD

DRILL HOLE No RH6

SHEET 3 OF 8

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | | |
|-----------------|---------------------|---------------|---------|-------------|------------|---|--------------|------------|--|
| | | | | | | | ROCK | ALTERATION | |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| 50 | | | | | | ↓ more sev + a ch fracture Sparse prob dark clastic | VDFM KO-6 | | |
| 60 | | | | | | | | | |
| 70 | | | | | | | | | |
| 80 | | | | | | | | | |
| 90 | | | | | | | | | |
| 100 | | | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH6

SHEET 4 OF 8

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | | |
|-----------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|--|
| | | | | | | | ROCK | ALTERATION | |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| 50 | | | | | | | | | |
| 60 | | | | | | | | | |
| 70 | | | | | | | | | |
| 80 | | | | | | | | | |
| 90 | | | | | | | | | |
| 100 | | | | | | | | | |

REMARKS

673208

RGC EXPLORATION PTY LTD

DRILL HOLE No 276

SHEET 5 OF 8

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▨ Pervasive
- ┆ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|-------------|------------|------|-----|---------------|---------|------------|
| | | | | BIL. | BER. | PT. | | ROCK | ALTERATION |
| 1 | | | | | | | | | |
| 2 | | * | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | VDFM | SOA 6 |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | | | | | | | | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | | | | | | | | | |
| 16 | | | | | | | | | |
| 17 | | | | | | | | | |
| 18 | | | | | | | | | |
| 19 | | | | | | | | | |
| 20 | | | | | | | | | |

REMARKS
 Care blocks out

RGC EXPLORATION PTY LTD

DRILL HOLE No 276

SHEET 6 OF 8

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▨ Pervasive
- ┆ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|-------------|------------|------|-----|---------------|---------|------------|
| | | | | BIL. | BER. | PT. | | ROCK | ALTERATION |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | * | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | basalt | | |
| 12 | | | | | | | basalt | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | | | | | | | | | |
| 16 | | | | | | | | | |
| 17 | | | | | | | | | |
| 18 | | | | | | | | | |
| 19 | | | | | | | | | |
| 20 | | | | | | | | | |

REMARKS
 blocks of pink dark to 20cm in ash, pumice rich matrix

673209

RGC EXPLORATION PTY LTD

DRILL HOLE No 246

SHEET 7 OF 8

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | | | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|-------------|------------|------|----|----|----|---------------|---------|------------|
| | | | | SIL | SER. | PK | OX | SO | | ROCK | ALTERATION |
| 1 | | | | | | | | | | | |
| 2 | | | | | | | | | | | |
| 3 | | | | | | | | | | | |
| 4 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 6 | | | | | | | | | | | |
| 7 | | | | | | | | | | | |
| 8 | | * | | | | | | | | | |
| 9 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |
| 11 | | | | | | | | | | | |
| 12 | | | | | | | | | | | |
| 13 | | | | | | | | | | | |
| 14 | | | | | | | | | | | |
| 15 | | | | | | | | | | | |
| 16 | | | | | | | | | | | |
| 17 | | | | | | | | | | | |
| 18 | | | | | | | | | | | |
| 19 | | | | | | | | | | | |
| 20 | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No 246

SHEET 8 OF 8

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | | | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|-------------|------------|------|----|----|----|---------------|---------|------------|
| | | | | SIL | SER. | PK | OX | SO | | ROCK | ALTERATION |
| 1 | | | | | | | | | | | |
| 2 | | | | | | | | | | | |
| 3 | | | | | | | | | | | |
| 4 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 6 | | | | | | | | | | | |
| 7 | | | | | | | | | | | |
| 8 | | | | | | | | | | | |
| 9 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |
| 11 | | | | | | | | | | | |
| 12 | | | | | | | | | | | |
| 13 | | | | | | | | | | | |
| 14 | | | | | | | | | | | |
| 15 | | | | | | | | | | | |
| 16 | | * | | | | | | | | | |
| 17 | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | |

673210

GOLDFIELDS EXPLORATION DRILL HOLE RECORD

| | | | |
|-------------|------------|-------------|---------|
| HOLE NUMBER | RH6R | DRILLED BY | |
| PROJECT | | NORTHING | 5365182 |
| PROSPECT | Red Hills | EASTING | 382136 |
| COMPANY | MLMRC | RL | 819.3 |
| LOGGED BY | | INCLINATION | -55 |
| COMMENCED | 16-03-1977 | AZIMUTH | 101 |
| FINISHED | 28-03-1977 | EOH | 453.85 |

PURPOSE

| |
|--|
| To target the down dip extension of the mineralisation intersected in RH5, approximately 100m below RH5. |
| Hole commenced 9m down RH6. Full core recovered from 36.5m. |

SURVEY DATA

| DEPTH | INC. | AZ. | DEPTH | INC. | AZ. | DEPTH | INC. | AZ. |
|-------|------|-----|-------|-------|-----|-------|-------|-------|
| 0 | -55 | 101 | 153.7 | -45 | - | 293.6 | -33 | 090 |
| 24.4 | -53 | 101 | 172 | -44 | 095 | 305.8 | -32 | 090 |
| 48.8 | -53 | 101 | 183.8 | -42 | 093 | 333 | -30 | 090 |
| 73.2 | -52 | 101 | 196 | -40 | 093 | 373 | -27 | 089 |
| 92.7 | -51 | 101 | 208.2 | -39.5 | 092 | 413 | -24.5 | 089.5 |
| 104.9 | -50 | 101 | 220.4 | -37 | 091 | 453 | -22 | 089 |
| 117.1 | -48 | 101 | 244.8 | -35 | 090 | | | |
| 129.3 | -47 | 101 | 269.2 | -34 | 090 | | | |

DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|----------------|--------------------------------------|
| NXCU | 0 - 90 | No casing left in hole. |
| NQ | 90 - 322.7 | Collar position not located in 1983. |
| BQ | 322.7 - 453.85 | |

SUMMARY

| |
|---|
| References |
| Walter and Brophy, 1977. 9/66 Annual Report 1976-77. P5-6, Fig 2 |
| Walter, 1978. 9/66 Annual Report 1977-78, Plan 10. |
| Purvis et al, 1983. 9/66 Annual Report 1982-83. Appendix B (Log), Plans 17, 18. |
| Assays |
| Purvis et al, 1983. 9/66 Annual Report 1982-83. Appendix B (Cu, Pb, Zn, Au, Ag) |
| Anon, 1985, TCR 85-2451 |
| Petrology |
| Purvis et al, 1983. 9/66 Annual Report 1982-83. Appendix B |
| Geophysics |
| DHIP - Walter, 1978. 9/66 Annual Report 1977-78 |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH6R (SUMMARY)

RGC EXPLORATION PTY LTD

DRILL HOLE No RH6R (SUMMARY)

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 1 OF 3

PROJECT : _____

PROSPECT : _____

DATE : _____

LOGGED BY : _____

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 2 OF 3

PROJECT : _____

PROSPECT : _____

DATE : _____

LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|------|----|---------------|---------|------------|
| | | | | | SIL. | SER. | PK | | ROCK | ALTERATION |
| 10 | | | | No Core | | | | | | |
| 20 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| 90 | | | | | | | | | | |
| 100 | | | | | | | | | | |
| 110 | | | | | | | | | | |
| 120 | | | | | | | | | | |
| 130 | | | | | | | | | | |
| 140 | | | | | | | | | | |
| 150 | | | | | | | | | | |
| 160 | | | | | | | | | | |
| 170 | | | | | | | | | | |
| 180 | | | | | | | | | | |
| 190 | | | | | | | | | | |
| 200 | | | | | | | | | | |
| REMARKS | | | | | | | | | | |

673212

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|------|----|---------------|---------|------------|
| | | | | | SIL. | SER. | PK | | ROCK | ALTERATION |
| 210 | | | | | | | | | | |
| 220 | | | | | | | | | | |
| 230 | | | | | | | | | | |
| 240 | | | | | | | | | | |
| 250 | | | | | | | | | | |
| 260 | | | | | | | | | | |
| 270 | | | | | | | | | | |
| 280 | | | | | | | | | | |
| 290 | | | | | | | | | | |
| 300 | | | | | | | | | | |
| 310 | | | | | | | | | | |
| 320 | | | | | | | | | | |
| 330 | | | | | | | | | | |
| 340 | | | | | | | | | | |
| 350 | | | | | | | | | | |
| 360 | | | | | | | | | | |
| 370 | | | | | | | | | | |
| 380 | | | | | | | | | | |
| 390 | | | | | | | | | | |
| 400 | | | | | | | | | | |
| REMARKS | | | | | | | | | | |

RGX EXPLORATION PTY LTD

DRILL HOLE No R46R (SUMMARY)

SHEET 3 OF 3

- Bedding
- └ Cleavage
- ~ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊘ Broken core
- ▨ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

| | |
|-------------|--|
| PROJECT : | |
| PROSPECT : | |
| DATE : | |
| LOGGED BY : | |

| HOLE DEPTH SAMPLE PREFLI | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | ALTERATION | GEOLOGY NOTES | SUMMARY | | | | | |
|--------------------------------|---------------|---------|--------------|---|---|---|---|---|---|---|---|----|------------|---------------|---------|----|----|----|---|------|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | 11 | 12 | BL | SP | K | ROCK |
| 410 | | | | | | | | | | | | | | | | | | | | |
| 470 | | | | | | | | | | | | | | | | | | | | |
| 430 | | | | | | | | | | | | | | | | | | | | |
| 440 | | | | | | | | | | | | | | | | | | | | |
| 450 | | | | | | | | | | | | | | | | | | | | |
| | | | E04 - 451-85 | | | | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | |

673213

RGC EXPLORATION PTY LTD

DRILL HOLE No RH6R

RGC EXPLORATION PTY LTD

DRILL HOLE No RH6R

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 1 OF 23

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 2 OF 23

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH METER | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | ALTERATION | | | GEOLOGY NOTES | SUMMARY | | |
|---------------------|------------------------|---------------|---------|-------------|---|---|---|---|---|------------|---|---|---------------|---------|----|----|
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | 10 | 11 | 12 |
| 1 | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | |

| HOLE DEPTH METER | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | ALTERATION | | | GEOLOGY NOTES | SUMMARY | | |
|---------------------|------------------------|---------------|---------|-------------|---|---|---|---|---|------------|---|---|---------------|---------|----|----|
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | 10 | 11 | 12 |
| 1 | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | |

end of wedge →

673214

VDRM
KDE

RGC EXPLORATION PTY LTD

DRILL HOLE No RH6R

RGC EXPLORATION PTY LTD

DRILL HOLE No RH6R

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 3 OF 23

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 4 OF 23

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| MOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|---|------------|---------------|---------|------------|
| | | | | W | S | | | ROCK | ALTERATION |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 50 | | | | | | | | | |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| REMARKS | | | | | | | | | |

VDFM KO-6

VDFM 50-6

673215

| MOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|---|------------|---------------|---------|------------|
| | | | | W | S | | | ROCK | ALTERATION |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 70 | | | | | | | | | |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| REMARKS | | | | | | | | | |

VDFM 50-6

VDFM 50-6

RGC EXPLORATION PTY LTD

DRILL HOLE No R46R

SHEET 5 OF 23

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|--------------------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | | | | | Fluidal oil frame common | | |
| 10 | | | | | | | | |
| 20 | | | | | | | | |
| 30 | | | | | | | | |
| 40 | | | | | | | | |
| 50 | | | | | | | | |
| 60 | | | | | | | | |
| 70 | | | | | | | | |
| 80 | | | | | | | | |
| 90 | | | | | | | | |
| 100 | | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No R46R

SHEET 6 OF 23

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|--|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | 103.1 - 111.8 Carb statt rich marstbott also drucke clasts | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |
| 13 | | | | | | | | |
| 14 | | | | | | | | |
| 15 | | | | | | | | |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |

REMARKS

673210

RGC EXPLORATION PTY LTD

DRILL HOLE No RH6R

RGC EXPLORATION PTY LTD

DRILL HOLE No RH6R

- Bedding
- ⊥ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊠ Broken core
- ⊠ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 7 OF 23

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

- Bedding
- ⊥ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊠ Broken core
- ⊠ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 8 OF 23

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | | |
|-----------------------------------|---------------|---------|---------------|------------|------|-----|---------------|---------|------------|------|
| | | | | SIL. | SER. | PK. | | ROCK | ALTERATION | |
| 1 | | | [Graphic Log] | | | | | Cwl | LD | KD-6 |
| 2 | | | [Graphic Log] | | | | | Cwl | LD | KD-6 |
| 3 | | | [Graphic Log] | | | | | Cwl | LD | KD-6 |
| 4 | | | [Graphic Log] | | | | | Cwl | LD | KD-6 |
| 5 | | | [Graphic Log] | | | | | Cwl | LD | KD-6 |
| 6 | | | [Graphic Log] | | | | | Cwl | LD | KD-6 |
| 7 | | | [Graphic Log] | | | | | Cwl | LD | KD-6 |
| 8 | | | [Graphic Log] | | | | | Cwl | LD | KD-6 |
| 9 | | | [Graphic Log] | | | | | Cwl | LD | KD-6 |
| 130 | | | [Graphic Log] | | | | | Cwl | LD | KD-6 |
| REMARKS | | | | | | | | | | |

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | | |
|-----------------------------------|---------------|---------|---------------|------------|------|-----|---------------|---------|------------|--|
| | | | | SIL. | SER. | PK. | | ROCK | ALTERATION | |
| 1 | | | [Graphic Log] | | | | | | | |
| 2 | | | [Graphic Log] | | | | | | | |
| 3 | | | [Graphic Log] | | | | | | | |
| 6 | | | [Graphic Log] | | | | | | | |
| 7 | | | [Graphic Log] | | | | | | | |
| 8 | | | [Graphic Log] | | | | | | | |
| 9 | | | [Graphic Log] | | | | | | | |
| 150 | | | [Graphic Log] | | | | | | | |
| 1 | | | [Graphic Log] | | | | | | | |
| 2 | | | [Graphic Log] | | | | | | | |
| 3 | | | [Graphic Log] | | | | | | | |
| 4 | | | [Graphic Log] | | | | | | | |
| 5 | | | [Graphic Log] | | | | | | | |
| 6 | | | [Graphic Log] | | | | | | | |
| 7 | | | [Graphic Log] | | | | | | | |
| 8 | | | [Graphic Log] | | | | | | | |
| 9 | | | [Graphic Log] | | | | | | | |
| REMARKS | | | | | | | | | | |

673217

broken zone

RGC EXPLORATION PTY LTD

DRILL HOLE No R46R

RGC EXPLORATION PTY LTD

DRILL HOLE No R46R

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 11 OF 23

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 12 OF 23

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 210 | TK | | * | | | (No k-gold) | VDFM | AOS6 |
| REMARKS | | | | | | | | |

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 230 | | | | | | | VDFM | AOS6 |
| REMARKS | | | | | | | | |

673219

RGC EXPLORATION PTY LTD

DRILL HOLE No RHGR

SHEET 13 OF 23

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH PREFIX | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | ALTERATION | | | | GEOLOGY NOTES | SUMMARY | | |
|----------------------|-----------|---------------|---------|-------------|------|-----|-----|------------|------|-----|-----|---------------|---------|------------|--|
| | | | | SIL. | SER. | PT. | AL. | SIL. | SER. | PT. | AL. | | ROCK | ALTERATION | |
| 250 | | | | | | | | | | | | | | | |
| 260 | | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RHGR

SHEET 14 OF 23

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH PREFIX | SAMPLE No | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | | | | ALTERATION | | | | GEOLOGY NOTES | SUMMARY | |
|----------------------|-----------|---------------|------|------|---------|-------------|------|-----|-----|------------|------|-----|-----|---------------|---------|------------|
| | | Cu | Pb | Zn | | SIL. | SER. | PT. | AL. | SIL. | SER. | PT. | AL. | | ROCK | ALTERATION |
| 270 | | | | | | | | | | | | | | | | |
| 1 | | 210 | 1020 | 0.29 | | ▨ | | | | | | | | | | |
| 2 | | 70 | 80 | 720 | | └ | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | 130 | 100 | 430 | | | | | | | | | | | | |
| 5 | | 130 | 570 | 0.57 | | └ | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | 120 | 480 | 0.80 | | | | | | | | | | | | |
| 8 | | 250 | 750 | 1.59 | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 280 | | 90 | 370 | 0.74 | | └ | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | |

673220

strongly broken core fault?

(KGold - Cu - Fe - Al)

VDFM A056
 FAULT 5-8
 Cu1 L061 50-6
 05-6

RGC EXPLORATION PTY LTD

DRILL HOLE No RHGR

RGC EXPLORATION PTY LTD

DRILL HOLE No RHGR

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 15 OF 23

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 16 OF 23

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | | | | | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|------|------|---------|-------------|------------|------|-----|----|----|---------------|---------|------------|
| | | Cu | Pb | Zn | | | SIL | BEF. | PH. | OX | SO | | ROCK | ALTERATION |
| 1 | | 160 | 220 | 0.17 | | | | | | | | | LOF 1 | 50-6 |
| 2 | | | | | | | | | | | | | | |
| 3 | | 100 | 210 | 0.34 | | | | | | | | | | |
| 4 | | 100 | 620 | 0.24 | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | 350 | 1.17 | 1.11 | | | | | | | | | | |
| 7 | | 140 | 0.75 | 0.47 | | | | | | | | | | |
| 8 | | 80 | 0.47 | 0.47 | | | | | | | | | | |
| 9 | | 80 | 0.47 | 0.47 | | | | | | | | | | |
| 290 | | 130 | 0.24 | 0.71 | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | |
| 2 | | 150 | 1.12 | 0.54 | | | | | | | | | | |
| 3 | | 60 | 0.16 | 0.21 | | | | | | | | | | |
| 4 | | 70 | 0.19 | 0.38 | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | 60 | 0.35 | 0.29 | | | | | | | | | | |
| 7 | | 80 | 390 | 630 | | | | | | | | | | |
| 8 | | 80 | 130 | 240 | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | |

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | | | | | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|------|------|---------|-------------|------------|------|-----|----|----|---------------|---------|------------|
| | | Cu | Pb | Zn | | | SIL | BEF. | PH. | OX | SO | | ROCK | ALTERATION |
| 1 | | 40 | 390 | 300 | | | | | | | | | | |
| 2 | | 150 | 950 | 0.23 | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | 60 | 630 | 0.28 | | | | | | | | | | |
| 5 | | 60 | 330 | 620 | | | | | | | | | | |
| 6 | | 140 | 720 | 0.52 | | | | | | | | | | |
| 7 | | 500 | 0.14 | 360 | | | | | | | | | | |
| 8 | | 100 | 300 | 0.73 | | | | | | | | | | |
| 9 | | 40 | 140 | 310 | | | | | | | | | | |
| 310 | | 330 | 50 | 460 | | | | | | | | | | |
| 1 | | 70 | 40 | 40 | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | |
| 3 | | 110 | 150 | 320 | | | | | | | | | | |
| 4 | | 190 | 0.22 | 1.02 | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | 300 | 620 | 0.67 | | | | | | | | | | |
| 7 | | 100 | 90 | 0.47 | | | | | | | | | | |
| 8 | | 190 | 200 | 0.63 | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 320 | | | | | | | | | | | | | | |

673221

RGC EXPLORATION PTY LTD

DRILL HOLE No RHGR

RGC EXPLORATION PTY LTD

DRILL HOLE No RHGR

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 17 OF 23

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 18 OF 23

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

NO
BR

| HOLE DEPTH METER | SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|---------------------|---------------------|---------------|-----|------|---------|-------------|------------|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 1 | | 200 | 130 | 0.97 | | | | | | |
| 2 | | 360 | 90 | 0.14 | | | | | | |
| 3 | | 300 | 190 | 0.75 | | | | | | |
| 4 | | 350 | 100 | 1.10 | | | | | | |
| 5 | | 550 | 280 | 1.62 | | | | | | |
| 6 | | 570 | 50 | 0.76 | | | | | | |
| 7 | | 440 | 40 | 1.50 | | | | | | |
| 8 | | 260 | 60 | 6.00 | | | | | | |
| 9 | | 250 | 20 | 4.70 | | | | | | |
| 10 | | 240 | 10 | 1.30 | | | | | | |
| 11 | | 160 | 10 | 1.90 | | | | | | |
| 12 | | 500 | 30 | 1.80 | | | | | | |
| 13 | | 610 | 50 | 3.50 | | | | | | |
| 14 | | 280 | 20 | 2.60 | | | | | | |

| HOLE DEPTH METER | SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|---------------------|---------------------|---------------|-----|------|---------|-------------|------------|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 1 | | 170 | 90 | 500 | | | | | | |
| 2 | | 250 | 30 | 1.40 | | | | | | |
| 3 | | 230 | 100 | 2.40 | | | | | | |
| 4 | | 250 | 100 | 7.50 | | | | | | |
| 5 | | 180 | 100 | 0.16 | | | | | | |
| 6 | | 420 | 100 | 1.00 | | | | | | |
| 7 | | 580 | 100 | 1.00 | | | | | | |
| 8 | | 730 | 540 | 3.50 | | | | | | |
| 9 | | 430 | 100 | 1.20 | | | | | | |
| 10 | | 120 | 100 | 3.50 | | | | | | |
| 11 | | 120 | 340 | 5.50 | | | | | | |
| 12 | | 120 | 100 | 1.16 | | | | | | |
| 13 | | 280 | 100 | 0.85 | | | | | | |

6732222

fine ashly matrix
 - streak of pink druse
 " 10 cm

REMARKS

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH62

RGC EXPLORATION PTY LTD

DRILL HOLE No RH62

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 19 OF 23

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 20 OF 23

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | | | | | | GEOLOGY NOTES | SUMMARY | | |
|------------|---------------------|---------------|------|------|---------|-------------|------------|------|----|----|-----|----|---------------|---------|------------|--|
| | | Cu | Pb | Zn | | | SIL | SER. | PK | OX | CHL | SO | | ROCK | ALTERATION | |
| 1 | | 340 | 280 | 1167 | | | | | | | | | | | | |
| 2 | | 310 | -100 | 200 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | 570 | -100 | 110 | | | | | | | | | | | | |
| 5 | | 200 | -100 | 220 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | 270 | 200 | 310 | | | | | | | | | | | | |
| 8 | | 017 | -100 | 130 | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 370 | | 170 | -100 | 140 | | | | | | | | | | | | |
| 1 | | 310 | -100 | -100 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | 360 | -100 | -100 | | | | | | | | | | | | |
| 4 | | 110 | -100 | -100 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | 60 | -100 | 900 | | | | | | | | | | | | |
| 7 | | 60 | -100 | -100 | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | 110 | -100 | 0157 | | | | | | | | | | | | |

Palely k.f. chl all
 previously logged as
 breccia.
 (Hard to know if breccia
 before due to alt B)

Cu
 LDF
 K.O.-B

50-6

REMARKS

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | | | | | | GEOLOGY NOTES | SUMMARY | | |
|------------|---------------------|---------------|------|------|---------|-------------|------------|------|----|----|-----|----|---------------|---------|------------|--|
| | | Cu | Pb | Zn | | | SIL | SER. | PK | OX | CHL | SO | | ROCK | ALTERATION | |
| 1 | | 140 | -100 | 310 | | | | | | | | | | | | |
| 2 | | 370 | -100 | 110 | | | | | | | | | | | | |
| 3 | | 470 | -100 | -100 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | 840 | -100 | -100 | | | | | | | | | | | | |
| 6 | | 310 | -100 | -100 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | 011 | -100 | -100 | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 370 | | 570 | -100 | -100 | | | | | | | | | | | | |
| 1 | | 046 | -100 | -100 | | | | | | | | | | | | |
| 2 | | 700 | -100 | -100 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | 310 | -100 | -100 | | | | | | | | | | | | |
| 5 | | 860 | -100 | -100 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | 380 | -100 | -100 | | | | | | | | | | | | |
| 8 | | 750 | -100 | -100 | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |

Cu
 LDF
 OK-B

673223

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH62

RGC EXPLORATION PTY LTD

DRILL HOLE No RH62

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 21 OF 23

| | |
|-------------|--|
| PROJECT : | |
| PROSPECT : | |
| DATE : | |
| LOGGED BY : | |

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 22 OF 23

| | |
|-------------|--|
| PROJECT : | |
| PROSPECT : | |
| DATE : | |
| LOGGED BY : | |

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---------------|---------|--|------------|---------------|---------|------------|---|----|---|---|---|----|---|---|---|---|---|---|---|---|---|---|--|--|--|---------------------|
| | | | | | | ROCK | ALTERATION | | | | | | | | | | | | | | | | | | | | |
| 470 | | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">1</td><td style="width: 5%;">2</td><td style="width: 5%;">3</td><td style="width: 5%;">4</td><td style="width: 5%;">5</td><td style="width: 5%;">6</td><td style="width: 5%;">7</td><td style="width: 5%;">8</td><td style="width: 5%;">9</td><td style="width: 5%;">10</td> </tr> <tr> <td style="text-align: center;">r</td><td style="text-align: center;">r</td> </tr> </table> | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | r | r | r | r | r | r | r | r | r | r | | | | Cwl LDF1 OK-8 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | | | | | | | | | | | | | | | | |
| r | r | r | r | r | r | r | r | r | r | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---------------|---------|--|------------|---------------|---------|------------|---|----|---|---|---|----|---|---|---|---|---|---|---|---|---|---|--|--|--|---------------------|
| | | | | | | ROCK | ALTERATION | | | | | | | | | | | | | | | | | | | | |
| 430 | | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">1</td><td style="width: 5%;">2</td><td style="width: 5%;">3</td><td style="width: 5%;">4</td><td style="width: 5%;">5</td><td style="width: 5%;">6</td><td style="width: 5%;">7</td><td style="width: 5%;">8</td><td style="width: 5%;">9</td><td style="width: 5%;">10</td> </tr> <tr> <td style="text-align: center;">r</td><td style="text-align: center;">r</td> </tr> </table> | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | r | r | r | r | r | r | r | r | r | r | | | | Cwl LDF1 OK-8 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | | | | | | | | | | | | | | | | |
| r | r | r | r | r | r | r | r | r | r | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | |

673224

RGC EXPLORATION PTY LTD

DRILL HOLE No R416R

SHEET 23 OF 23

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | ALTERATION | GEOLOGY NOTES | SUMMARY | | |
|----------------------------|---------------|---------|-------------|----|----|----|----|----|------------|--|--------------------|------------|--|
| | | | SL | CL | SH | SP | SR | SR | | | ROCK | ALTERATION | |
| 480 1 2 3 | | | T | | | | | | | slight increase in KAl and H ₂ O | Cal LDF OK-8 | | |
| | | | T | | | | | | | | | | |
| | | | T | | | | | | | | | | |
| | | | T | | | | | | | | | | |
| | | | T | | | | | | | | | | |
| | | | T | | | | | | | | | | |
| | | | ECH 653 85 | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

673225

GOLDFIELDS EXPLORATION DRILL HOLE RECORD

| | | | |
|-------------|------------|-------------|---------|
| HOLE NUMBER | RH7 | DRILLED BY | |
| PROJECT | | NORTHING | 5365337 |
| PROSPECT | Red Hills | EASTING | 382177 |
| COMPANY | MLMRC | RL | 822.5 |
| LOGGED BY | | INCLINATION | -55 |
| COMMENCED | 03-05-1977 | AZIMUTH | 090.7 |
| FINISHED | 30-05-1977 | EOH | 322 |

PURPOSE

| |
|--|
| Drill to test the northern extension of the mineralisation intersected in RH5. The hole intersected the mineralised horizon 245m north along strike and 49m down dip. The zone Returned assayed of 6m @ 1.87%Zn, 0.04% Pb, 0.25% Cu, 3.2 g/t Ag and <0.2 g/t Au. |
| Collar Location. L2400S, 1000E |

SURVEY DATA

| DEPTH | INC. | AZ. | DEPTH | INC. | AZ. | DEPTH | INC. | AZ. |
|-------|-------|-------|-------|-------|-----|-------|-------|-----|
| 0 | -55 | 090.7 | 138 | -48 | 089 | 279.3 | -40 | |
| 20 | -55.5 | | 157.3 | -47.5 | | 291.5 | -3 | |
| 44.4 | -54.5 | | 169.5 | -46.5 | | 303.7 | -38.5 | |
| 56.6 | -54 | | 193.9 | -45.5 | | 315.9 | -37 | |
| 68.8 | -53 | | 206.1 | -45 | | 322 | -36 | 088 |
| 93.2 | -51 | | 230.5 | -44 | | | | |
| 117.6 | -50 | | 254.9 | -42.5 | | | | |
| 129.8 | -49 | | 267.1 | -41 | | | | |

DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|----------|----------|
| NXCU | 0 - 18 | |
| NQ | 18 - 322 | |
| | | |
| | | |

SUMMARY

| |
|---|
| References |
| Walter and Brophy, 1977. 9/66 Annual Report 1976-77. P6, Fig 3 |
| Purvis et al, 1983. 9/66 Annual Report 1982-83. Appendix B (Log), Plans 19, 20. |
| Assays |
| Purvis et al, 1983. 9/66 Annual Report 1982-83. Appendix B (Cu, Pb, Zn, Au, Ag) |
| Anon, 1985, TCR 85-2451 |
| Petrology |
| Purvis et al, 1983. 9/66 Annual Report 1982-83. Appendix B |
| Geophysics |
| DHIP - Walter, 1978. 9/66 Annual Report 1977-78 |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH7 (SUMMARY)

RGC EXPLORATION PTY LTD

DRILL HOLE No RH7 (SUMMARY)

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 1 OF 2

| | |
|-------------|--|
| PROJECT : | |
| PROSPECT : | |
| DATE : | |
| LOGGED BY : | |

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 2 OF 2

| | |
|-------------|--|
| PROJECT : | |
| PROSPECT : | |
| DATE : | |
| LOGGED BY : | |

| HOLE DEPTH METERS | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|----------------------|---------------------|---------------|---------|---|------------|------|-----|---------------|---------|------------|
| | | | | | SIL. | SER. | PK. | | ROCK | ALTERATION |
| 10 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | | | |
| 20 | | | | └ | | | | | | |
| 30 | | | | └ | | | | | | |
| 40 | | | | └ | | | | | | |
| 50 | | | | └ | | | | | | |
| 60 | | | | └ | | | | | | |
| 70 | | | | └ | | | | | | |
| 80 | | | | └ | | | | | | |
| 90 | | | | └ | | | | | | |
| 100 | | | | ~ | | | | | | |
| 110 | | | | ~ | | | | | | |
| 120 | | | | ~ | | | | | | |
| 130 | | | | └ | | | | | | |
| 140 | | | | └ | | | | | | |
| 150 | | | | └ | | | | | | |
| 160 | | | | └ | | | | | | |
| 170 | | | | └ | | | | | | |
| 180 | | | | └ | | | | | | |
| 190 | | | | ~ | | | | | | |
| 200 | | | | ~ | | | | | | |
| REMARKS | | | | | | | | | | |

| HOLE DEPTH METERS | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|----------------------|---------------------|---------------|---------|---|------------|------|-----|---------------|---------|------------|
| | | | | | SIL. | SER. | PK. | | ROCK | ALTERATION |
| 210 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | | | |
| 220 | | | | └ | | | | | | |
| 230 | | | | └ | | | | | | |
| 240 | | | | └ | | | | | | |
| 250 | | | | └ | | | | | | |
| 260 | | | | ~ | | | | | | |
| 270 | | | | └ | | | | | | |
| 280 | | | | └ | | | | | | |
| 290 | | | | └ | | | | | | |
| 300 | | | | └ | | | | | | |
| 310 | | | | └ | | | | | | |
| 320 | | | | └ | | | | | | |
| EOH=32Zr | | | | | | | | | | |
| REMARKS | | | | | | | | | | |

673227

RGC EXPLORATION PTY LTD

DRILL HOLE No RH7

SHEET 9 OF 17

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|--------------------------------|---------------|---------|-------------|------------|------|-----|---------------|---------|------------|
| | | | | BIL. | SEP. | PT. | | ROCK | ALTERATION |
| 170 | | | | | | | | Cu | 05-6 |
| | | | | | | | | Cu | KD-6 |
| | | | | | | | | Cu | 0-6 |
| | | | | | | | | Cu | 0-6 |
| 140 | | | | | | | | Cu | 0-6 |
| REMARKS | | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH7

SHEET 10 OF 17

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|--------------------------------|---------------|---------|-------------|------------|------|-----|---------------|---------|------------|
| | | | | BIL. | SEP. | PT. | | ROCK | ALTERATION |
| 190 | | | | | | | | Cu | 0A-6 |
| | | | | | | | | Cu | 0A-6 |
| | | | | | | | | Cu | 0A-6 |
| | | | | | | | | Cu | 0A-6 |
| | | | | | | | | Cu | 0A-6 |
| | | | | | | | | Cu | 0A-6 |
| REMARKS | | | | | | | | | |

673232

*Dacitic lava breccia
 & fluidal and clasts
 often flattened WRT S₁*

Missing core

RGC EXPLORATION PTY LTD

DRILL HOLE No RH7

RGC EXPLORATION PTY LTD

DRILL HOLE No RH7

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 13 OF 17

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 14 OF 17

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|------|------|---------|-------------|------------|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | Cov | LDP |
| 5 | | 90 | 0.11 | 0.28 | | | | | | |
| 6 | | 120 | 900 | 900 | | | | | | KO-6 |
| 7 | | | | | | | | | | |
| 8 | | 150 | 200 | 700 | | | | | | |
| 9 | | 0.62 | 400 | 235 | | | | | | |
| 250 | | | | | | | | | | |
| 1 | | 0.26 | 300 | 2.10 | | | | | | |
| 2 | | 0.12 | 400 | 1.39 | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | 580 | 500 | 1162 | | | | | | |
| 5 | | 300 | 100 | 800 | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | 180 | 200 | 700 | | | | | | |
| 8 | | 210 | 100 | 500 | | | | | | |
| 9 | | 150 | 100 | 300 | | | | | | |
| 260 | | | | | | | | | | |

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|-----|-----|---------|-------------|------------|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | | | |
| 2 | | 110 | 100 | 200 | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 270 | | | | | | | | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 280 | | | | | | | | | | |

673234

Only minor h-lead
mainly remnant

GOLDFIELDS EXPLORATION DRILL HOLE RECORD

| | | | |
|-------------|------------|-------------|---------|
| HOLE NUMBER | RH8 | DRILLED BY | |
| PROJECT | | NORTHING | 5365101 |
| PROSPECT | Red Hills | EASTING | 382158 |
| COMPANY | MLMRC | RL | 801.4 |
| LOGGED BY | | INCLINATION | -60 |
| COMMENCED | 31-10-1977 | AZIMUTH | 117.5 |
| FINISHED | 16-11-1977 | EOH | 380 |

PURPOSE

To test for the southern extension of mineralisation intersected in RH5 on L 32S down dip
From RH5.

Collar Location:- 30'S of L32S, 1100E

SURVEY DATA

| DEPTH | INC. | AZ. | DEPTH | INC. | AZ. | DEPTH | INC. | AZ. |
|-------|-------|-------|-------|-------|-----|-------|------|-----|
| 0 | -60 | 117.5 | 101 | -45 | 108 | 210 | -30 | |
| 15 | -58 | | 113 | -42 | 106 | 234 | -28 | 098 |
| 27 | -57 | | 125 | -39 | 105 | 258 | -27 | |
| 39 | -54.5 | | 137 | -37.2 | 104 | 282 | -26 | |
| 53 | -53 | 115 | 149 | -36 | 103 | 306 | | 094 |
| 65 | -50 | 113 | 158 | -33.5 | 102 | 330 | -19 | 094 |
| 77 | -48 | 112 | 174 | -33 | | 354 | -18 | 093 |
| 89 | -45.5 | 109 | 188 | -30.5 | | 378 | -18 | 094 |

DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|--------------|-----------|----------|
| HQ (Tricone) | 0 - 3.0 | |
| NQ | 3.0 - 281 | |
| BQ | 281 - 380 | |

SUMMARY

| |
|--|
| References |
| Walter, 1978. 9/66 Annual Report, 1977-78. P2-3. Fig 3 |
| Purvis et al, 1983. 9/66 Annual Report 1982-83. Appendix B (Log), Plans 14, 25. |
| Assays |
| Purvis et al, 1983. 9/66 Annual Report 1982-83. Appendix B (Cu, Pb, Zn, Ag, (Au, S)) |
| Purvis et al, 1983 9/66 Review. (Au) |
| Anon, 1985, TCR 85-2451 |
| TCR 87-2705. CRA core grinds (Cu, Pb, Zn, Au, Ag, As, Fe, Mn, Ba) |
| Petrology |
| Purvis et al, 1983. 9/66 Annual Report 1982-83. Appendix B |
| Geophysics |
| Down hole EIP - Walter, 1978. 9/66 Annual report, 1977-78. P3. |

RGC EXPLORATION PTY LTD

DRILL HOLE No RHB (summary)

SHEET 1 OF 2

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|--------------------------------|---------------|---------|-------------|------------|------|------|---------------|---------|------------|
| | | | | BL | SEP. | PHY. | | ROCK | ALTERATION |
| 10 | | | | | | | | | |
| 20 | | | | | | | | | |
| 30 | | | | | | | | | |
| 40 | | | | | | | | | |
| 50 | | | | | | | | | |
| 60 | | | | | | | | | |
| 70 | | | | | | | | | |
| 80 | | | | | | | | | |
| 90 | | | | | | | | | |
| 100 | | | | | | | | | |
| 110 | | | | | | | | | |
| 120 | | | | | | | | | |
| 130 | | | | | | | | | |
| 140 | | | | | | | | | |
| 150 | | | | | | | | | |
| 160 | | | | | | | | | |
| 170 | | | | | | | | | |
| 180 | | | | | | | | | |
| 190 | | | | | | | | | |
| 200 | | | | | | | | | |

REMARKS _____

RGC EXPLORATION PTY LTD

DRILL HOLE No RHB (summary)

SHEET 2 OF 2

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|--------------------------------|---------------|---------|-------------|------------|------|------|---------------|---------|------------|
| | | | | BL | SEP. | PHY. | | ROCK | ALTERATION |
| 210 | | | | | | | | | |
| 220 | | | | | | | | | |
| 230 | | | | | | | | | |
| 240 | | | | | | | | | |
| 250 | | | | | | | | | |
| 260 | | | | | | | | | |
| 270 | | | | | | | | | |
| 280 | | | | | | | | | |
| 290 | | | | | | | | | |
| 300 | | | | | | | | | |
| 310 | | | | | | | | | |
| 320 | | | | | | | | | |
| 330 | | | | | | | | | |
| 340 | | | | | | | | | |
| 350 | | | | | | | | | |
| 360 | | | | | | | | | |
| 370 | | | | | | | | | |
| 380 | | | | | | | | | |

REMARKS _____

673238

RGC EXPLORATION PTY LTD

DRILL HOLE No KH8
SHEET 1 OF 19

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⋯ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
PROSPECT : _____
DATE : _____
LOGGED BY : _____

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | ALTERATION | GEOLOGY NOTES | SUMMARY | | | |
|--------------------------------|---------------|---------|-------------|---|---|---|---|---|---|---|---|----|------------|---------------|---------|------|-----|------|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | SIL. | SER. | SP. | ROCK |
| 1 | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | |
| 20 | REMARKS | | | | | | | | | | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH8
SHEET 2 OF 19

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⋯ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
PROSPECT : _____
DATE : _____
LOGGED BY : _____

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | ALTERATION | GEOLOGY NOTES | SUMMARY | | | |
|--------------------------------|---------------|---------|-------------|---|---|---|---|---|---|---|---|----|------------|---------------|---------|------|-----|------|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | SIL. | SER. | SP. | ROCK |
| 1 | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | |
| 20 | REMARKS | | | | | | | | | | | | | | | | | |

673239

HQ (Tricone)
NQ

"argil" feld phyllic lava
some breccia + pervasive textures

Caul
LDF
AS-6 (KS-6)

RGC EXPLORATION PTY LTD

DRILL HOLE No RHB

SHEET 3 OF 19

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|--|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 50 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | TS | | | | | * TS description + staining confirms k.feld. | | |
| 80 | | | | | | | | |
| REMARKS | | | | | | | | |

Covl
LDF/
AS-6 (KS-G)

RGC EXPLORATION PTY LTD

DRILL HOLE No RHB

SHEET 4 OF 19

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 70 | | | | | | | | |
| REMARKS | | | | | | | | |

Covl
LDF/
AS-6 (KS-G)

673240

RGC EXPLORATION PTY LTD

DRILL HOLE No RHB

SHEET 5 OF 19

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|---|---|---|------------|---|---|---------------|---------|-------------|
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 | ROCK |
| 90 | | | | | | | | | | | | | AS-6 (KS-6) |
| REMARKS | | | | | | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RHB

SHEET 6 OF 19

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|---|---|---|------------|---|---|---------------|---------|-----------------|
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 | ROCK |
| 110 | | | | D | D | D | D | D | D | D | D | D | VDC.B CS.P.6 |
| REMARKS | | | | | | | | | | | | | |

673241

RGC EXPLORATION PTY LTD

DRILL HOLE No RHB

SHEET 7 OF 19

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------|---------------|---------|---------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | -chem: perflb | Cu Pb Zn Au | | [Graphic Log] | | bas-14 | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 120 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | 18 | | | | | | | |
| 9 | 10 95 | | | | | | | |
| 40 | 12 30 75 | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RHB

SHEET 8 OF 19

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------|---------------|---------|---------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | -chem: perflb | Cu Pb Zn Au | | [Graphic Log] | | bas-14 | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 150 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 40 | | | | | | | | |

REMARKS

673249

RGC EXPLORATION PTY LTD

DRILL HOLE No RH8

SHEET 9 OF 19

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊗ Breccia
- ⊠ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH METER | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|---------------------|---------------------|---------------|---------|-------------|------------|-----------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | 175 | | | | | (No k-feldspar) | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | LDF | SCAB |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | 42 | 15 80 | | | | | | |
| 12 | | | | | | | | |
| 13 | 15 | 50 165 | | | | | | |
| 14 | | | | | | | | |
| 15 | 70 | 125 245 | | | | | | |
| 16 | | | | | | | | |
| 17 | 45 | 650 235 | | | | | | |
| 18 | | | | | | | | |
| 19 | 85 | 017L 815 | | | | | | |
| 20 | | | | | | | | |
| 21 | 55 | 235 130 | | | | | | |
| 22 | | | | | | | | |
| 23 | 80 | 485 014L | | | | | | |
| 24 | | | | | | | | |
| REMARKS | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH8

SHEET 10 OF 19

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊗ Breccia
- ⊠ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH METER | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|---------------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | 280 241 | | | | | | |
| 3 | | 317 715 | | | | | | |
| 4 | | 195 014L | | | | | | |
| 5 | | 280 | | | | | | |
| 6 | | 95 715 | | | | | | |
| 7 | | 385 635 | | | | | | |
| 8 | | 125 630 | | | | | | |
| 9 | | | | | | | | |
| 10 | 95 | 160 315 | | | | | | |
| 11 | | | | | | | | |
| 12 | 100 | 110 240 | | | | | | |
| 13 | | | | | | | | |
| 14 | 125 | 125 255 | | | | | | |
| 15 | | | | | | | | |
| 16 | 115 | 115 240 | | | | | | |
| 17 | | | | | | | | |
| 18 | 90 | 165 235 | | | | | | |
| 19 | | | | | | | | |
| 20 | 115 | 130 240 | | | | | | |
| 21 | | | | | | | | |
| 22 | 205 | 140 305 | | | | | | |
| 23 | | | | | | | | |
| 24 | | | | | | | | |
| REMARKS | | | | | | | | |

673243

RGC EXPLORATION PTY LTD

DRILL HOLE No 248

SHEET 11 OF 19

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | | | | | | | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|----|----|---------|-------------|------------|-----|-----|----|------|------------|--|---------------|---------|--|
| | | Cu | Pb | Zn | | | Ag | SIL | SER | PK | ROCK | ALTERATION | | | | |
| 1 | 100 | 255 | | | | | | | | | | | | | | |
| 2 | 90 | 520 | | | | | | | | | | | | | | |
| 3 | | 0247 | | | | | | | | | | | | | | |
| 4 | 120 | 390 | | | | | | | | | | | | | | |
| 5 | | 820 | | | | | | | | | | | | | | |
| 6 | 105 | 195 | | | | | | | | | | | | | | |
| 7 | | 310 | | | | | | | | | | | | | | |
| 8 | 75 | 300 | | | | | | | | | | | | | | |
| 9 | 70 | 95 | | | | | | | | | | | | | | |
| | | 345 | | | | | | | | | | | | | | |
| 210 | 105 | 195 | | | | | | | | | | | | | | |
| | | 420 | | | | | | | | | | | | | | |
| 1 | 75 | 205 | | | | | | | | | | | | | | |
| 2 | | 400 | | | | | | | | | | | | | | |
| 3 | 120 | 195 | | | | | | | | | | | | | | |
| 4 | | 540 | | | | | | | | | | | | | | |
| 5 | 85 | 240 | | | | | | | | | | | | | | |
| 6 | | 370 | | | | | | | | | | | | | | |
| 7 | 95 | 140 | | | | | | | | | | | | | | |
| 8 | | 440 | | | | | | | | | | | | | | |
| 9 | 65 | 135 | | | | | | | | | | | | | | |
| | | 105 | | | | | | | | | | | | | | |
| 9 | 200 | 315 | | | | | | | | | | | | | | |
| | | 205 | | | | | | | | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No 248

SHEET 12 OF 19

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | | | | | | | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|----|----|---------|-------------|------------|-----|-----|----|------|------------|--|---------------|---------|--|
| | | Cu | Pb | Zn | | | Ag | SIL | SER | PK | ROCK | ALTERATION | | | | |
| 1 | 110 | 350 | | | | | | | | | | | | | | |
| | | 190 | | | | | | | | | | | | | | |
| 2 | 90 | 345 | | | | | | | | | | | | | | |
| | | 130 | | | | | | | | | | | | | | |
| 3 | 85 | 500 | | | | | | | | | | | | | | |
| 4 | | 700 | | | | | | | | | | | | | | |
| 5 | 65 | 520 | | | | | | | | | | | | | | |
| | | 0171 | | | | | | | | | | | | | | |
| 6 | 75 | 600 | | | | | | | | | | | | | | |
| 7 | | 0187 | | | | | | | | | | | | | | |
| 8 | 60 | 710 | | | | | | | | | | | | | | |
| | | 0257 | | | | | | | | | | | | | | |
| 9 | 75 | 770 | | | | | | | | | | | | | | |
| | | 850 | | | | | | | | | | | | | | |
| 230 | 60 | 355 | | | | | | | | | | | | | | |
| | | 335 | | | | | | | | | | | | | | |
| 1 | | 40 | | | | | | | | | | | | | | |
| 2 | 28 | 120 | | | | | | | | | | | | | | |
| 3 | | 42 | | | | | | | | | | | | | | |
| 4 | 25 | 145 | | | | | | | | | | | | | | |
| 5 | | 25 | | | | | | | | | | | | | | |
| 6 | 38 | 270 | | | | | | | | | | | | | | |
| 7 | 20 | 85 | | | | | | | | | | | | | | |
| | | 235 | | | | | | | | | | | | | | |
| 8 | 28 | 90 | | | | | | | | | | | | | | |
| | | 240 | | | | | | | | | | | | | | |
| 9 | 20 | 65 | | | | | | | | | | | | | | |
| | | 235 | | | | | | | | | | | | | | |

REMARKS

673244

RGC EXPLORATION PTY LTD

DRILL HOLE No RHB

SHEET 15 OF 19

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|----|----|---------|-------------|------------|---------------|---------|------|
| | | Cu | Pb | Zn | | | | | Ag | ROCK |
| 1 | 20 | 290 | | | | | | | | |
| | | 760 | | | | | | | | |
| 2 | 150 | 1427 | | | | | | | | |
| | TJS | 1707 | | | | | | | | |
| 3 | | 0344 | | | | | | | | |
| 4 | 475 | 0247 | | | | | | | | |
| 5 | 50 | 12 | | | | | | | | |
| | | 75 | | | | | | | | |
| 6 | 30 | 18 | | | | | | | | |
| | | 70 | | | | | | | | |
| 7 | | 12 | | | | | | | | |
| | | 80 | | | | | | | | |
| 8 | 12 | 25 | | | | | | | | |
| | | 275 | | | | | | | | |
| 9 | 22 | 20 | | | | | | | | |
| | | 150 | | | | | | | | |
| 290 | 105 | 35 | | | | | | | | |
| | | 175 | | | | | | | | |
| 1 | 18 | 42 | | | | | | | | |
| | | 340 | | | | | | | | |
| 2 | 12 | 110 | | | | | | | | |
| | | 235 | | | | | | | | |
| 3 | 75 | 435 | | | | | | | | |
| | | 470 | | | | | | | | |
| 4 | 325 | 155 | | | | | | | | |
| | | 0117 | | | | | | | | |
| 5 | 500 | 70 | | | | | | | | |
| | | 950 | | | | | | | | |

REMARKS

HJ
BQ

TJS confirms k-feld.
 Fluidal chl fumes up to 4cm

RGC EXPLORATION PTY LTD

DRILL HOLE No RHB

SHEET 16 OF 19

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|----|----|---------|-------------|------------|---------------|---------|------|
| | | Cu | Pb | Zn | | | | | Ag | ROCK |
| 1 | | 60 | | | | | | | | |
| | | 017 | | | | | | | | |
| 2 | | 22 | | | | | | | | |
| | | 310 | | | | | | | | |
| 3 | 15 | 140 | | | | | | | | |
| | | 235 | | | | | | | | |
| 4 | 85 | 40 | | | | | | | | |
| | | 140 | | | | | | | | |
| 5 | 25 | 38 | | | | | | | | |
| | | 135 | | | | | | | | |
| 6 | 42 | 75 | | | | | | | | |
| | | 215 | | | | | | | | |
| 7 | 55 | 45 | | | | | | | | |
| | | 275 | | | | | | | | |
| 8 | 40 | 25 | | | | | | | | |
| | | 220 | | | | | | | | |
| 9 | 25 | 45 | | | | | | | | |
| | | 125 | | | | | | | | |
| 10 | 25 | 25 | | | | | | | | |
| | | 135 | | | | | | | | |
| 11 | 190 | 550 | | | | | | | | |
| | | 0157 | | | | | | | | |
| 12 | 70 | 140 | | | | | | | | |
| | | 0084 | | | | | | | | |
| 13 | 75 | 135 | | | | | | | | |
| | | 0497 | | | | | | | | |
| 14 | 155 | | | | | | | | | |

REMARKS

673246

Old banding

Highly brecciated

Cool
LDF1
K-6

4-85
VDF1
VDF1
VDF1

RGC EXPLORATION PTY LTD

DRILL HOLE No R48

SHEET 17 OF 19

- Bedding
- ⌋ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|------------------------|---------------|----|----|---------|----------------|------------|------------------|---------|-------|
| | | Cu | Pb | Zn | | | | | AV | ROCK |
| 1 | 70 | 155 | | | 0.82 | | | | VDFA | SO-6 |
| 2 | 775 550 | 260 | | | 8.44 | | | | | |
| 3 | | 820 | | | 0.64 | | | | | |
| 4 | 195 | 390 | | | 1.75 | | | | | |
| 5 | 420 | 220 | | | 0.26 | | | | | |
| 6 | 120 | 32 | | | | | | | | |
| 7 | 115 | 900 | | | | | | | | |
| 8 | 100 | 25 | | | | | | | VDLC | OSK-6 |
| 9 | 170 | 75 | | | | | | | | |
| 10 | 300 | 155 | | | | | | | | |
| 11 | 990 | 125 | | | | | | | | |
| 12 | 190 | 25 | | | | | | | | |
| 13 | 195 | 100 | | | | | | | | |
| 14 | 90 | 60 | | | | | | | | |
| 15 | 90 | 160 | | | | | | | | |

REMARKS _____

RGC EXPLORATION PTY LTD

DRILL HOLE No R48

SHEET 18 OF 19

- Bedding
- ⌋ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|------------------------|---------------|----|----|---------|----------------|------------|------------------|---------|------|
| | | Cu | Pb | Zn | | | | | AV | ROCK |
| 1 | 105 | 115 | | | 290 | | | | | |
| 2 | 150 | 45 | | | 65 | | | | | |
| 3 | 150 | -5 | | | 50 | | | | | OK-6 |
| 4 | 75 | 40 | | | 95 | | | | | |
| 5 | 25 | 12 | | | 52 | | | | | KC-8 |
| 6 | 60 | -5 | | | 80 | | | | | |
| 7 | 135 | 20 | | | 100 | | | | | |
| 8 | 105 | 12 | | | 90 | | | | | LDFB |
| 9 | 80 | 30 | | | 140 | | | | | |
| 10 | 30 | 25 | | | 95 | | | | | OK-6 |
| 11 | 95 | 22 | | | 100 | | | | | |
| 12 | 150 | 10 | | | 75 | | | | | |
| 13 | 170 | -5 | | | 80 | | | | | |
| 14 | 28 | -5 | | | 65 | | | | | |

REMARKS _____

673247

HGC EXPLORATION PTY LTD

DRILL HOLE No RH8

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊠ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↖ Narrow vein
- * Visible gold

SHEET 19 OF 19

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | | | | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|----|----|----------------------|-------------|------------|-----|---|------|---------------|------------|------|
| | | Cu | Pb | Ag | | | SIL | SER | E | ROCK | | ALTERATION | |
| 1 | 550 | -5 | | | [Hand-drawn diagram] | | | | | | | LDFB | OK-6 |
| 2 | | 65 | | | | | | | | | | | |
| 3 | 520 | 65 | | | ┌ | | | | | | | | |
| 4 | | 180 | | | | | | | | | | | |
| 5 | 225 | 20 | | | ┌ | | | | | | | | |
| 6 | | 115 | | | | | | | | | | | |
| 7 | 014 | 32 | | | ┌ | | | | | | | | |
| 8 | | 95 | | | | | | | | | | | |
| 9 | 014 | -5 | | | ┌ | | | | | | | | |
| 10 | | 95 | | | | | | | | | | | |
| 11 | 600 | -5 | | | ┌ | | | | | | | | |
| 12 | | 80 | | | | | | | | | | | |
| 13 | 320 | 016 | 70 | | ┌ | | | | | | | | |
| 14 | | 125 | | | | | | | | | | | |
| 15 | 015 | 12 | | | ┌ | | | | | | | | |
| 16 | | 130 | | | | | | | | | | | |
| 17 | 060 | 12 | | | ┌ | | | | | | | | |
| 18 | | 95 | | | | | | | | | | | |
| 19 | 048 | 50 | | | ┌ | | | | | | | | |
| 20 | | 185 | | | | | | | | | | | |
| 21 | 010 | -5 | | | ┌ | | | | | | | | |
| 22 | | 140 | | | | | | | | | | | |
| 23 | 010 | 10 | | | ┌ | | | | | | | | |
| 24 | | 130 | | | | | | | | | | | |
| 25 | 710 | 12 | | | ┌ | | | | | | | | |
| 26 | | 235 | | | | | | | | | | | |

REMARKS Total: 360

LDFB / OK-6
OK-8

673248

GOLDFIELDS EXPLORATION DRILL HOLE RECORD

| | | | |
|-------------|------------|-------------|---------|
| HOLE NUMBER | RH9 | DRILLED BY | |
| PROJECT | | NORTHING | 5364766 |
| PROSPECT | Red Hills | EASTING | 382164 |
| COMPANY | MLMRC | RL | 735.4 |
| LOGGED BY | | INCLINATION | -65 |
| COMMENCED | 18-11-1977 | AZIMUTH | 093.3 |
| FINISHED | 01-12-1977 | EOH | 388.2 |

PURPOSE

| |
|--|
| To test for the RH5 mineralised horizon south and down-dip from RH5 on L40S. |
| |
| |
| |
| Collar Location: 200'S of L40S, 1250E |
| |

SURVEY DATA

| DEPTH | INC. | AZ. | DEPTH | INC. | AZ. | DEPTH | INC. | AZ. |
|-------|-------|-------|-------|-------|-----|-------|------|-----|
| 0 | -65 | 093.3 | 197 | -34 | | 383 | -29 | 096 |
| 29 | -58 | | 221 | -33 | | | | |
| 53 | -54 | | 245 | -32 | | | | |
| 77 | -49 | | 269 | -31.5 | | | | |
| 101 | -43.5 | | 293 | -34 | | | | |
| 125 | -41 | 093 | 317 | -33 | | | | |
| 149 | -39 | | 341 | -31 | 094 | | | |
| 173 | -34 | | 365 | -30 | 095 | | | |

DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|--------------|-------|---------------------------|
| HQ (Tricone) | 4.5 | 3m HQ rod in top of hole. |
| HQ | 33.2 | |
| NQ | 333.2 | |
| BQ | 388.2 | |

SUMMARY

| |
|--|
| References |
| Walter, 1978. 9/66 Annual Report, 1977-78. P3. Fig 4 |
| Purvis et al, 1983. 9/66 Annual Report 1982-83. Appendix B (Log), Plans 10, 11. |
| |
| Assays |
| Purvis et al, 1983. 9/66 Annual Report 1982-83. Appendix B (Cu, Pb, Zn, Ag, (Au, S)) |
| Purvis et al, 1983 9/66 Review. (Au) |
| Anon, 1985, TCR 85-2451 |
| |
| Petrology |
| Purvis et al, 1983. 9/66 Annual Report 1982-83. Appendix B |
| |
| Geophysics |
| DHIP - Walter, 1978. 9/66 Annual Report 1977-78 |

RGC EXPLORATION PTY LTD

DRILL HOLE No BA9 (SUMMARY)

RGC EXPLORATION PTY LTD

DRILL HOLE No BA9 (SUMMARY)

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 1 OF 2

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 2 OF 2

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH METER | SAMPLE NO REFL | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|---------------------|-------------------|---------------|---------|-------------|------------|------|------|---------------|---------|------------|
| | | | | | SIL. | SER. | PHY. | | ROCK | ALTERATION |
| 10 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| 90 | | | | | | | | | | |
| 100 | | | | | | | | | | |
| 110 | | | | | | | | | | |
| 120 | | | | | | | | | | |
| 130 | | | | | | | | | | |
| 140 | | | | | | | | | | |
| 150 | | | | | | | | | | |
| 160 | | | | | | | | | | |
| 170 | | | | | | | | | | |
| 180 | | | | | | | | | | |
| 190 | | | | | | | | | | |
| 200 | | | | | | | | | | |
| REMARKS | | | | | | | | | | |

| HOLE DEPTH METER | SAMPLE NO REFL | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|---------------------|-------------------|---------------|---------|-------------|------------|------|------|---------------|---------|------------|
| | | | | | SIL. | SER. | PHY. | | ROCK | ALTERATION |
| 210 | | | | | | | | | | |
| 220 | | | | | | | | | | |
| 230 | | | | | | | | | | |
| 240 | | | | | | | | | | |
| 250 | | | | | | | | | | |
| 260 | | | | | | | | | | |
| 270 | | | | | | | | | | |
| 280 | | | | | | | | | | |
| 290 | | | | | | | | | | |
| 300 | | | | | | | | | | |
| 310 | | | | | | | | | | |
| 320 | | | | | | | | | | |
| 330 | | | | | | | | | | |
| 340 | | | | | | | | | | |
| 350 | | | | | | | | | | |
| 360 | | | | | | | | | | |
| 370 | | | | | | | | | | |
| 380 | | | | | | | | | | |
| REMARKS | | | | | | | | | | |

673250

EDH 308 2m

RGC EXPLORATION PTY LTD

DRILL HOLE No RH9

RGC EXPLORATION PTY LTD

DRILL HOLE No RH9

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 1 OF 20

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 2 OF 20

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | | |
|------------|-----------|---------------|---------|-------------|------------|--|---------|------------|-------|
| | | | | | | | ROCK | ALTERATION | |
| 1 | | | | | | Lithic rich coarse gr Vlc (Alternatively Lava breccia but looks more reworked) | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | Ccv | VDLc |
| 7 | | | | | | | | | SOL-6 |
| 8 | | | | | | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | | | | | | | | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | Ccv | LOF1 | |
| 15 | | | | | | | | SAL-6 | |
| 16 | | | | | | | | | |
| 17 | | | | | | | | | |
| 18 | | | | | | | Ccv | VDLc | |
| 19 | | | | | | | | SOL-6 | |
| 20 | | | | | | | | | |

REMARKS

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|-----------------------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | Alternatively could be Lava | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |
| 13 | | | | | | | | |
| 14 | | | | | | | | |
| 15 | | | | | | | | |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |

REMARKS

Tricone HQ

073251

RGC EXPLORATION PTY LTD

DRILL HOLE No 249

SHEET 3 OF 20

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ⊠ Broken core
- ⋯ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH SAMPLE PREP | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | ALTERATION | GEOLOGY NOTES | | SUMMARY | |
|------------------------------|---------------|---------|---|---|---|---|---|---|---|---|---|----|------------|---------------|---------------------|---------|------------|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | 11 | 12 | ROCK | ALTERATION |
| 50 | | | * [Hand-drawn geological log with various symbols and lines] | | | | | | | | | | | | Cu VDFM OSK 6 | | |
| REMARKS | | | | | | | | | | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No 249

SHEET 4 OF 20

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ⊠ Broken core
- ⋯ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH SAMPLE PREP | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | ALTERATION | GEOLOGY NOTES | | SUMMARY | |
|------------------------------|---------------|---------|---|---|---|---|---|---|---|---|---|----|------------|---------------|---------------------|---------|------------|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | 11 | 12 | ROCK | ALTERATION |
| 70 | | | * [Hand-drawn geological log with various symbols and lines] | | | | | | | | | | | | Cu VDFM OSK 6 | | |
| REMARKS | | | | | | | | | | | | | | | | | |

673252

RGC EXPLORATION PTY LTD

DRILL HOLE No R49

SHEET 7 OF 20

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---|---------|-------------|------------|---------------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | V V | | | Qz | Qz-6 |
| 7 | | | | | | | Cu | Qz-6 |
| 8 | | | | | | | Qz | Qz-6 |
| 9 | | | | | | | Qz | Qz-6 |
| 10 | | | | | | | Qz | Qz-6 |
| 130 | | | | V V | | | Qz | Qz-6 |
| 1 | | | | | | ← faulted contact | | |
| 2 | | 130.5 - 137.5 Ck. bit no change non-1.1.1.1 | | | | jig saw fit breccia | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | Cu | Qz-6 |
| 6 | 715 | | | | | (kfeld-sev) | LDFB | Qz-6 |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| REMARKS | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No R49

SHEET 8 OF 20

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | 50 35 175 | | | | | | |
| 9 | | 50 60 110 | | | | | | |
| REMARKS | | | | | | | | |

673254

RGC EXPLORATION PTY LTD

DRILL HOLE No KH9

SHEET 9 OF 20

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ▣ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|-----|-----|---------|-------------|------------|---------------|---------|--------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 1 | | 35 | 85 | 255 | | | | | | |
| 2 | | 45 | 120 | 230 | | | | | | |
| 3 | | 35 | 30 | 75 | | | | | | |
| 4 | | 40 | 30 | 55 | | | | | | |
| 5 | | 65 | 15 | 50 | | | | | | SK-6 |
| 6 | | 40 | 10 | 55 | | | | | | |
| 7 | | 50 | 26 | 70 | | | | | | Ceal LDF1 |
| 8 | | 45 | 15 | 50 | | | | | | |
| 9 | | 30 | 20 | 60 | | | | | | |
| 10 | | 90 | 20 | 60 | | | | | | XO-5 |
| 11 | | 85 | 40 | 60 | | | | | | |
| 12 | | 30 | 15 | 60 | | | | | | |
| 13 | | 25 | 30 | 80 | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No KH9

SHEET 10 OF 20

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ▣ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|-----|------|---------|-------------|------------|---------------|---------|----------------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 1 | | 70 | 30 | 60 | | | | | | |
| 2 | | 55 | 65 | 85 | | | | | | |
| 3 | | 50 | 45 | 105 | | | | | | |
| 4 | | 45 | 30 | 60 | | | | | | Ceal LDF1 |
| 5 | | 30 | 50 | 75 | | | | | | |
| 6 | | 30 | 60 | 110 | | | | | | |
| 7 | | 65 | 300 | 0.17 | | | | | | Ceal LDF1 |
| 8 | | 20 | 200 | 225 | | | | | | FAULT VDFM S-8 |
| 9 | | 70 | 50 | 170 | | | | | | |
| 10 | | 90 | 200 | 230 | | | | | | Ceal SILT |
| 11 | | 110 | 225 | 175 | | | | | | |
| 12 | | 100 | 105 | 180 | | | | | | |
| 13 | | 75 | 180 | 310 | | | | | | |

REMARKS

673255

RGC EXPLORATION PTY LTD

DRILL HOLE No RH9

SHEET 11 OF 20

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ▨ Broken core
- ▨ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | | | | | | GEOLOGY NOTES | SUMMARY | | |
|------------|-----------|---------------|-----|----|---------|-------------|------------|------|-----------------|-----|------|-----|---------------|---------|------|------------|
| | | Cu | Pb | Zn | | | SIL. | CHL. | SO ₄ | OX. | HYD. | PH. | | OTHER | ROCK | ALTERATION |
| 1 | 110 | 200 | 545 | | | | | | | | | | | | | |
| 2 | 95 | 265 | 405 | | | | | | | | | | | | | |
| 3 | 85 | 260 | 740 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | 50 | 175 | 305 | | | | | | | | | | | | | |
| 6 | 45 | 240 | 880 | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | 85 | 210 | 305 | | | | | | | | | | | | | |
| 9 | 100 | 280 | 780 | | | | | | | | | | | | | |
| 210 | | | | | | | | | | | | | | | | |
| 1 | 55 | 125 | 690 | | | | | | | | | | | | | |
| 2 | 55 | 205 | 028 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | 100 | 130 | 740 | | | | | | | | | | | | | |
| 5 | 75 | 60 | 235 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH9

SHEET 12 OF 20

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ▨ Broken core
- ▨ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | | | | | | GEOLOGY NOTES | SUMMARY | | |
|------------|-----------|---------------|----|----|---------|-------------|------------|------|-----------------|-----|------|-----|---------------|---------|------|------------|
| | | Cu | Pb | Zn | | | SIL. | CHL. | SO ₄ | OX. | HYD. | PH. | | OTHER | ROCK | ALTERATION |
| 230 | | | | | | | | | | | | | | | | |

REMARKS

673256

RGC EXPLORATION PTY LTD

DRILL HOLE No RH9

SHEET 15 OF 20

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▤ Pervasive
- └ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|--------------|
| | | | | | | | ROCK | ALTERATION |
| 290 | | | | | | | Coal | LDX1 KO-6 |
| REMARKS | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH9

SHEET 16 OF 20

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▤ Pervasive
- └ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|-----|------|---------|-------------|------------|---------------|---------|--------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | 25 | 45 | 40 | | | | | Coal | LDX1 KO-6 |
| 7 | | 30 | 40 | 300 | | | | | | |
| 8 | | 10 | 25 | 85 | | | | | | |
| 9 | | 0.02 | 195 | 900 | 1.07 | | | | | |
| 10 | | 0.10 | 530 | 0.27 | 2.6 | | | | | |
| 11 | | 0.42 | 335 | 0.60 | 1.49 | | | | | |
| 12 | | 0.12 | 310 | 0.20 | 1.70 | | | | | |
| 13 | | 0.15 | 280 | 0.19 | 1.95 | | | | | |
| 14 | | 0.14 | 220 | 0.99 | 1.09 | | | | | |
| 15 | | 0.07 | 110 | 0.27 | 0.38 | | | | | |
| REMARKS | | | | | | | | | Coal | SILT |

673278

? Matrix of contact
(strongly broken siltstones)

RGC EXPLORATION PTY LTD

DRILL HOLE No RH9

RGC EXPLORATION PTY LTD

DRILL HOLE No RH9

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 17 OF 20

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 18 OF 20

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE PREFIX | ASSAY RESULTS | | | | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|------------|---------------|---------------|-----|-----|---|---------|-------------|------------|-----|-----|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | SP. | OP. | PC. | | ROCK | ALTERATION |
| 1 | 065 | 65 | 010 | 830 | | | | | | | | Cus | SILT |
| 2 | 005 | 85 | 695 | 790 | | | | | | | | | VDPM |
| 3 | | | | | | | | | | | | | |
| 4 | 007 | 10 | 01 | 02 | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | 011 | 80 | 015 | 020 | | | | | | | | | |
| 7 | 020 | 100 | 034 | 048 | | | | | | | | | |
| 8 | 005 | 45 | 016 | 030 | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 330 | 005 | 30 | 010 | 030 | | | | | | | | | |
| 1 | 008 | 55 | 320 | 048 | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | 017 | 55 | 315 | 064 | | | | | | | | | |
| 4 | 004 | 175 | 440 | 035 | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 1 | 012 | 740 | 212 | 330 | * | | | | | | | | |
| 7 | -01 | 200 | 07 | 127 | | | | | | | | | |
| 8 | | | | | | | | | | | | | |
| 9 | -01 | 620 | 500 | 235 | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | |

(See qtz alt)

| HOLE DEPTH | SAMPLE PREFIX | ASSAY RESULTS | | | | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|------------|---------------|---------------|-----|-----|---|---------|-------------|------------|-----|-----|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | SP. | OP. | PC. | | ROCK | ALTERATION |
| 1 | 01 | 260 | 400 | 23 | | | | | | | | | |
| 2 | 01 | 130 | 220 | 171 | | | | | | | | | |
| 3 | -01 | 180 | 166 | 144 | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | -01 | 350 | 330 | 214 | | | | | | | | | |
| 6 | 01 | 280 | 260 | 088 | | | | | | | | | |
| 7 | | | | | | | | | | | | | |
| 8 | -01 | 240 | 110 | 084 | | | | | | | | | |
| 9 | -01 | 350 | 140 | 069 | | | | | | | | | |
| 350 | | | | | | | | | | | | | |
| 1 | -01 | 210 | 170 | 500 | | | | | | | | | |
| 2 | -01 | 830 | 120 | 107 | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | 01 | 200 | 90 | 065 | | | | | | | | | |
| 5 | -01 | 620 | 250 | 088 | | | | | | | | | |
| 6 | | | | | | | | | | | | | |
| 7 | -01 | 460 | 150 | 204 | * | | | | | | | | |
| 8 | -01 | 320 | 200 | 083 | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 30 | 01 | 320 | 240 | 123 | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | |

(Kfeld-qtz - see alt)

small orange dark clasts

673259

RGC EXPLORATION PTY LTD

DRILL HOLE No RH9

RGC EXPLORATION PTY LTD

DRILL HOLE No RH9

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ▨ Broken core
- ▨ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 19 OF 20

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ▨ Broken core
- ▨ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 20 OF 20

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|-----|-----|---------|-------------|------------|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | | | |
| 2 | | 150 | 615 | 024 | | | | | Cu | UDM |
| 3 | | 0.1 | 120 | 610 | | | | | | KD-6 |
| 4 | | 0.74 | 35 | 240 | | | | | | |
| 5 | | 0.14 | 50 | 145 | | | | | | |
| 6 | | 0.12 | 55 | 650 | | | | | | |
| 7 | | 330 | 55 | 355 | | | | | | |
| 8 | | 345 | 345 | 130 | | | | | | |
| 9 | | 0.12 | 770 | 120 | | | | | Cool | LD-1 |
| 10 | | 0.13 | 60 | 180 | | | | | | OK-8 |
| 11 | | 940 | 60 | 265 | | | | | | |
| 12 | | 0.2 | 110 | 170 | | | | | | |
| 13 | | 0.1 | 50 | 165 | | | | | | |
| 14 | | 0.15 | 85 | 165 | | | | | | |

REMARKS

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|-----|-----|---------|-------------|------------|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 1 | | 0.18 | 235 | 375 | | | | | | |
| 2 | | 0.15 | 120 | 160 | | | | | | |
| 3 | | 910 | 225 | 290 | | | | | | |
| 4 | | 245 | 35 | 130 | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |

REMARKS

673260

GOLDFIELDS EXPLORATION DRILL HOLE RECORD

| | | | |
|-------------|------------|-------------|---------|
| HOLE NUMBER | RH10 | DRILLED BY | |
| PROJECT | | NORTHING | 5364525 |
| PROSPECT | Red Hills | EASTING | 382097 |
| COMPANY | MLMRC | RL | 690 |
| LOGGED BY | | INCLINATION | -80 |
| COMMENCED | 03-12-1977 | AZIMUTH | 102 |
| FINISHED | 15-01-1978 | EOH | 474.5 |

PURPOSE

| |
|--|
| To test the RH5 mineralised horizon at RL 1600' on L58S, 2000'S of RH5 |
| |
| |
| |
| |
| |

SURVEY DATA

| DEPTH | INC. | AZ. | DEPTH | INC. | AZ. | DEPTH | INC. | AZ. |
|-------|------|-----|-------|------|-----|-------|-------|-----|
| 0 | -80 | 102 | 180 | -48 | | 310 | -25 | |
| 20 | -78 | | 190 | -45 | | 330 | -24 | |
| 40 | -73 | | 200 | -41 | | 340 | -22 | |
| 70 | -68 | | 220 | -37 | | 350 | -20 | |
| 90 | -66 | | 240 | -35 | | 390 | -21 | |
| 110 | -61 | | 260 | -32 | | 430 | -21.5 | |
| 140 | -57 | | 270 | -30 | | 450 | -22 | |
| 160 | -51 | | 290 | -28 | | | | |

DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|-------|----------|
| | | |
| | | |
| | | |
| | | |

SUMMARY

| |
|---|
| References |
| Walter, 1978. 9/66 Annual Report, 1977-78. P4. Fig 5 |
| Roberts and Cartwright, 1984. 9/66 Annual Report 1983-84. Fig 13 |
| Purvis et al, 1983. 9/66 Annual Report 1982-83. Fig 9. |
| |
| Assays |
| Walter, 1978. 9/66 Annual Report, 1977-78. P4. Fig 5 (Cu, Pb, Zn) |
| Purvis et al, 1983 9/66 Review. (Au) |
| |
| Geophysics |
| DHIP - Walter, 1978. 9/66 Annual Report 1977-78 |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH10 (SUMMARY)

SHEET 1 OF 3

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⊘ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|-------------|------------|------|-----|---------------|---------|------------|
| | | | | SIL. | SER. | PT. | | ROCK | ALTERATION |
| 10 | | | | | | | | | |
| 20 | | | | | | | | | |
| 30 | | | | | | | | | |
| 40 | | | | | | | | | |
| 50 | | | | | | | | | |
| 60 | | | | | | | | | |
| 70 | | | | | | | | | |
| 80 | | | | | | | | | |
| 90 | | | | | | | | | |
| 100 | | | | | | | | | |
| 110 | | | | | | | | | |
| 120 | | | | | | | | | |
| 130 | | | | | | | | | |
| 140 | | | | | | | | | |
| 150 | | | | | | | | | |
| 160 | | | | | | | | | |
| 170 | | | | | | | | | |
| 180 | | | | | | | | | |
| 190 | | | | | | | | | |
| 200 | | | | | | | | | |

REMARKS _____

RGC EXPLORATION PTY LTD

DRILL HOLE No RH10 (SUMMARY)

SHEET 2 OF 3

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⊘ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|-------------|------------|------|-----|---------------|---------|------------|
| | | | | SIL. | SER. | PT. | | ROCK | ALTERATION |
| 210 | | | | | | | | | |
| 220 | | | | | | | | | |
| 230 | | | | | | | | | |
| 240 | | | | | | | | | |
| 250 | | | | | | | | | |
| 260 | | | | | | | | | |
| 270 | | | | | | | | | |
| 280 | | | | | | | | | |
| 290 | | | | | | | | | |
| 300 | | | | | | | | | |
| 310 | | | | | | | | | |
| 320 | | | | | | | | | |
| 330 | | | | | | | | | |
| 340 | | | | | | | | | |
| 350 | | | | | | | | | |
| 360 | | | | | | | | | |
| 370 | | | | | | | | | |
| 380 | | | | | | | | | |
| 390 | | | | | | | | | |
| 400 | | | | | | | | | |

REMARKS _____

673262

RGC EXPLORATION PTY LTD

DRILL HOLE No RH10 (summary)

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 3 OF 3

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE PROFILE | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | ALTERATION | | | GEOLOGY NOTES | SUMMARY | | | |
|---------------------------------|---------------|---------|--------------|---|---|---|---|---|------------|----|----|---------------|---------|------------|--|--|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | BL | BR | PT | | ROCK | ALTERATION | | |
| 440 | | | r | | | | | | | | | | | | | |
| 670 | | | | | | | | | | | | | | | | |
| 630 | | | r | | | | | | | | | | | | | |
| 440 | | | | | | | | | | | | | | | | |
| 650 | | | r | | | | | | | | | | | | | |
| 460 | | | | | | | | | | | | | | | | |
| 670 | | | r | | | | | | | | | | | | | |
| | | | EDH = 474.5m | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

673263

RGC EXPLORATION PTY LTD

DRILL HOLE No 2H10

RGC EXPLORATION PTY LTD

DRILL HOLE No 2H10

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 1 OF 24

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 2 OF 24

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 10 | | | | No Core | | | | |
| | | | | | | | Coal | 9-75 |
| | | | | | | | 1-0F3 | 5L-8 |
| | | | | | | | 1-0F1 | |
| REMARKS | | | | | | | | |

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 30 | | | | | | | | |
| | | | | | | | Coal | 9-75 |
| | | | | | | | 1-0F3 | 5L-8 |
| | | | | | | | 1-0F1 | |
| REMARKS | | | | | | | | |

673264

RGC EXPLORATION PTY LTD

DRILL HOLE No RH10

SHEET 3 OF 24

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 50 | | | | | | | Cav | 1954 |
| | | | | | | | NDPI | 1954 |
| | | | | | | | K--6 | 1954 |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH10

SHEET 4 OF 24

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 70 | | | | | | Could call this unit either Volcaniclastic cong or slightly reworked lava breccia | Cav | 1954 |
| | | | | | | | NDPI | 1954 |
| | | | | | | | K5--6 | 1954 |

REMARKS

673265

RGC EXPLORATION PTY LTD

DRILL HOLE No KH10

RGC EXPLORATION PTY LTD

DRILL HOLE No KH10

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 7 OF 24

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 8 OF 24

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|---------------|----------------------|------------|
| | | | | | | | ROCK | ALTERATION |
| 130 | | | | | | | Cov VDFA 05%g | |
| | | | | | | | Cov VDFTM 05%g | |
| REMARKS | | | | | | | | |

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|---------------|----------------------|------------|
| | | | | | | | ROCK | ALTERATION |
| 150 | | | | | | | Cov VDFTM 05%g | |
| | | | | | | | Cov VDFTM 05%g | |
| REMARKS | | | | | | | | |

673267

RGC EXPLORATION PTY LTD

DRILL HOLE No RH10

SHEET 11 OF 24

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH PREFIX | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|----------------------|-----------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 210 | | | | | | | Cu | Updm 05K6 |
| REMARKS | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH10

SHEET 12 OF 24

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH PREFIX | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|----------------------|-----------|---------------|---------|-------------|------------|---|-----------------|-------------|
| | | | | | | | ROCK | ALTERATION |
| 230 | | | | | | Zone of shaly S ₁ + Qtz-veining (Fault?) | Silt/Cu VDFM | 50-8 5K6 |
| REMARKS | | | | | | | | |

673269

RGC EXPLORATION PTY LTD

DRILL HOLE No 2H10

SHEET 13 OF 24

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 250 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| REMARKS | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No 2H10

SHEET 14 OF 24

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 270 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| REMARKS | | | | | | | | |

673270

RGC EXPLORATION PTY LTD

DRILL HOLE No RH10

RGC EXPLORATION PTY LTD

DRILL HOLE No RH10

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 15 OF 24

PROJECT : _____

PROSPECT : _____

DATE : _____

LOGGED BY : _____

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 16 OF 24

PROJECT : _____

PROSPECT : _____

DATE : _____

LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|--|-------------|------------|
| | | | | | | | ROCK | ALTERATION |
| 280 | | | | | | Reperitic dark breccia clst fluidal clasts & fine siliceous matrix | LDP OK-6 | |
| 1 | | | | | | | LDP OS-6 | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| REMARKS | | | | | | | | |

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|-------------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | LDP OK-6 | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 30 | | | | | | | | |
| 1 | | | | | | | LDP OS-6 | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| REMARKS | | | | | | | | |

673271

RGC EXPLORATION PTY LTD

DRILL HOLE No RH10

SHEET 17 OF 24

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊗ Breccia
- ⊠ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____

PROSPECT : _____

DATE : _____

LOGGED BY : _____

| HOLE DEPTH PREFIX | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|----------------------|-----------|---------------|---------|---|--------------------|---------------|---------------------|------------|
| | | | | | | | ROCK | ALTERATION |
| 330 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 | SH. SER. PT. | | Col VDFM DCS6 | |
| REMARKS | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH10

SHEET 18 OF 24

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊗ Breccia
- ⊠ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____

PROSPECT : _____

DATE : _____

LOGGED BY : _____

| HOLE DEPTH PREFIX | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|----------------------|-----------|---------------|---------|---|--------------------|---------------|---------------------|------------|
| | | | | | | | ROCK | ALTERATION |
| 350 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 | SH. SER. PT. | | Col VDFM DCS6 | |
| REMARKS | | | | | | | | |

073272

RGC EXPLORATION PTY LTD

DRILL HOLE No RH10

SHEET 19 OF 24

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊠ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|----------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 370 | CW 01201 JV | | | | | | OC-56 | OC-6 |
| 1 | | | | | | | CW | VDFM |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | 0.036 | | | | | | |
| 9 | | 0.012 0.015 | | | | | | |

REMARKS
 Broken Zone, Core loss

RGC EXPLORATION PTY LTD

DRILL HOLE No RH10

SHEET 20 OF 24

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊠ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | CW | VDFM |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 380 | | | | | | | CW | VDFM |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |

REMARKS
 Broken core
 Massive dacite
 2 hand-spl. + structure
 K-Feld - also be with

673273

RGC EXPLORATION PTY LTD

DRILL HOLE No RH10

SHEET 21 OF 24

- Bedding
- └ Cleavage
- ~ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⋯ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 410 | | | | | | | Coal | OK-6 |
| 420 | | | | | | | Coal | OK-8 |
| REMARKS | | | | | | | | |

673274

RGC EXPLORATION PTY LTD

DRILL HOLE No RH10

SHEET 22 OF 24

- Bedding
- └ Cleavage
- ~ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⋯ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 430 | | | | | | | Coal | OK-6 |
| 440 | | | | | | | Coal | OK-8 |
| REMARKS | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH10

SHEET 23 OF 24

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ⊠ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | ALTERATION | GEOLOGY NOTES | SUMMARY | | |
|------------|---------------------|---------------|---------|-------------|----|----|----|----|----|----|----|----|----|------------|---------------|---------|----|----------------------|
| | | | | SH | SL | SP | ST | SS | SC | SE | SD | SR | SB | | | SH | SL | ROCK |
| 450 | | | | └ | | | | | | | | | | | | | | Coal LDF K.O-B |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH10

SHEET 24 OF 24

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ⊠ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | ALTERATION | GEOLOGY NOTES | SUMMARY | | |
|------------|---------------------|---------------|---------|-------------|----|----|----|----|----|----|----|----|----|------------|---------------|---------|----|----------------------|
| | | | | SH | SL | SP | ST | SS | SC | SE | SD | SR | SB | | | SH | SL | ROCK |
| 470 | | | | └ | | | | | | | | | | | | | | Coal LDF K.O-B |

REMARKS

673975

ECH: 474-5

GOLDFIELDS EXPLORATION DRILL HOLE RECORD

| | | | |
|-------------|-----------|-------------|---------|
| HOLE NUMBER | RH11 | DRILLED BY | |
| PROJECT | | NORTHING | 5363897 |
| PROSPECT | Red Hills | EASTING | 382235 |
| COMPANY | MLMRC | RL | 650 |
| LOGGED BY | | INCLINATION | -70 |
| COMMENCED | 17-01-78 | AZIMUTH | 107 |
| FINISHED | 04-02-78 | EOH | 382 |

PURPOSE

| |
|--|
| To test for the RH5 mineralised horizon on L68S (3600'S of RH5) at 1600' RL. |
| |
| |

SURVEY DATA

| DEPTH | INC. | AZ. | DEPTH | INC. | AZ. | DEPTH | INC. | AZ. |
|-------|-------|-----|-------|-------|-----|-------|-------|-----|
| 0 | -70 | 107 | 92 | -63.5 | | 172 | -60 | |
| 20 | -68.5 | | 100 | -63 | | 180 | -60.5 | 097 |
| 28 | -68 | | 108 | -62.5 | | 204 | -58 | |
| 36 | -67.5 | | 116 | -62.5 | | 228 | -55 | |
| 44 | -66.5 | | 124 | -62 | | 252 | -53 | |
| 52 | -66 | | 132 | -62 | | 276 | -49 | |
| 60 | -65.5 | | 140 | -61 | | 300 | -44 | |
| 68 | -64 | | 148 | -61 | | 324 | -38 | 085 |
| 76 | -63.5 | | 156 | -60 | | 348 | -33 | 085 |
| 84 | -63.5 | | 164 | -60.5 | | 372 | -30 | 085 |

DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|------------|----------|
| HQ | 0 - 41.7 | |
| NQ | 41.7 - 290 | |
| BQ | 290 - 382 | |
| | | |

SUMMARY

| |
|---|
| References |
| Walter, 1978. 9/66 Annual Report 1977-78. P4-5, Plan 6 |
| Purvis et al 1983. 9/66 Annual Report 1982-83. Figs 7 and 8 |
| Anon, 1985. TCR 85-2451 (Log) |
| |
| Assays |
| Walter, 1978. 9/66 Annual Report 1977-78. Plan 6 (Cu, Pb, Zn) |
| Purvis et al 1983. 9/66 Annual Report 1982-83. (Au) |
| Anon, 1985. TCR 85-2451 (Cu, Pb, Zn, Ag, Au, S, Mn) |
| |
| |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH11 (SUMMARY)

RGC EXPLORATION PTY LTD

DRILL HOLE No RH11 (SUMMARY)

- Bedding
- ⊥ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊠ Broken core
- ⋯ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 1 OF 2

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

- Bedding
- ⊥ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊠ Broken core
- ⋯ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 2 OF 2

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH METER | SAMPLE No REF# | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|---------------------|-------------------|---------------|---------|-------------|------------|------|-----|---------------|---------|------------|
| | | | | | SIL. | SER. | PT. | | ROCK | ALTERATION |
| 10 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| 90 | | | | | | | | | | |
| 100 | | | | | | | | | | |
| 110 | | | | | | | | | | |
| 120 | | | | | | | | | | |
| 130 | | | | | | | | | | |
| 140 | | | | | | | | | | |
| 150 | | | | | | | | | | |
| 160 | | | | | | | | | | |
| 170 | | | | | | | | | | |
| 180 | | | | | | | | | | |
| 190 | | | | | | | | | | |
| 200 | | | | | | | | | | |

REMARKS _____

| HOLE DEPTH METER | SAMPLE No REF# | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|---------------------|-------------------|---------------|---------|-------------|------------|------|-----|---------------|---------|------------|
| | | | | | SIL. | SER. | PT. | | ROCK | ALTERATION |
| 210 | | | | | | | | | | |
| 220 | | | | | | | | | | |
| 230 | | | | | | | | | | |
| 240 | | | | | | | | | | |
| 250 | | | | | | | | | | |
| 260 | | | | | | | | | | |
| 270 | | | | | | | | | | |
| 280 | | | | | | | | | | |
| 290 | | | | | | | | | | |
| 300 | | | | | | | | | | |
| 310 | | | | | | | | | | |
| 320 | | | | | | | | | | |
| 330 | | | | | | | | | | |
| 340 | | | | | | | | | | |
| 350 | | | | | | | | | | |
| 360 | | | | | | | | | | |
| 370 | | | | | | | | | | |
| 380 | | | | | | | | | | |

REMARKS _____

673277

RGC EXPLORATION PTY LTD

DRILL HOLE No RH11

SHEET 1 OF 20

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH PREFIX | SAMPLE NO | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|----------------------|-----------|---------------|---------|-------------|------------|---|--------------|------------|
| | | | | | | | ROCK | ALTERATION |
| 10 | | | | T.M. | | | Carb | T.M. |
| 20 | | | | | | 1/8 blk siltstone Carbonate rich interbeds up to 40cm thick | Carb Silt | Carb/Silt |
| REMARKS | | | | | | | | |

673278

RGC EXPLORATION PTY LTD

DRILL HOLE No RH11

SHEET 2 OF 20

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH PREFIX | SAMPLE NO | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|----------------------|-----------|---------------|---------|---|------------|---------------|--------------|------------|
| | | | | | | | ROCK | ALTERATION |
| 30 | | | | * [Hand-drawn geological sketch showing various rock units and structures] | | | Carb | Silt |
| 40 | | | | | | | Carb Silt | Carb/Silt |
| REMARKS | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH11

SHEET 3 OF 20

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ▨ Broken core
- ▨ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|--------------------------------|---------------|---------|-------------|------------|---------------------|---------|------------|
| | | | | | | ROCK | ALTERATION |
| 50 | | | r | | possible fold hinge | Cous | SILT |
| | | | r | | | Cous | SILT |
| | | | | | | Cool | LPP |
| | | | | | | Cous | SILT |
| 60 | REMARKS | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH11

SHEET 4 OF 20

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ▨ Broken core
- ▨ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|--------------------------------|---------------|---------|-------------|------------|--|---------|------------|
| | | | | | | ROCK | ALTERATION |
| 70 | | | | | thinly laminated blk siltst and 6-8% banded vlc sots. | Cous | SILT |
| | | | | | | SILT | VDF |
| 80 | REMARKS | | | | | | |

673279

RGC EXPLORATION PTY LTD

DRILL HOLE No RH11

SHEET 5 OF 20

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⋯ Disseminated
- Massive
- ▨ Pervasive
- ↖ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|---------------|---------|-------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | ✓ | | base H | Cb | IB-- O-B |
| 4 | | | | ✓ | | | Cws | silt |
| 5 | | | | | | | | |
| 6 | | | | ✓ | | base t. | Cb | IB-- O-B |
| 7 | | | | ✓ | | | Cb | IB-- O-B |
| 8 | | | | | | | Cws | silt |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| REMARKS | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH11

SHEET 6 OF 20

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⋯ Disseminated
- Massive
- ▨ Pervasive
- ↖ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|---------------|---------|-------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | Cws | IB-- O-B |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | ✓ | | base H | Cb | IB-- O-B |
| 7 | | | | ✓ | | | Cw | IB-- O-B |
| 8 | | | | | | | Cws | silt |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| REMARKS | | | | | | | | |

673280

RGC EXPLORATION PTY LTD

DRILL HOLE No RH11

RGC EXPLORATION PTY LTD

DRILL HOLE No RH11

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 7 OF 20

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 8 OF 20

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | | SUMMARY | |
|-----------------|------------------------|----------------|---------|-------------|------------|---------------|------------|---------|------------|
| | | | | | | ROCK | ALTERATION | ROCK | ALTERATION |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | 3m | 0.09 0.02 1.96 | | | | | | | |
| 9 | | | | | | | | | |
| 100 | | | | | | | | | |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 6 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| REMARKS | | | | | | | | | |

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | | SUMMARY | |
|-----------------|------------------------|------------------|---------|-------------|------------|---------------|------------|---------|------------|
| | | | | | | ROCK | ALTERATION | ROCK | ALTERATION |
| 1 | | | | | | | | | |
| 2 | 4.5m | 0.008 0.119 0.43 | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 100 | | | | | | | | | |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| REMARKS | | | | | | | | | |

67322

RGC EXPLORATION PTY LTD

DRILL HOLE No 2411

SHEET 9 OF 20

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | 0.007 | | | | | | |
| 6 | | 0.018 | | | | | | |
| 7 | | JA | | | | | | |
| 8 | | 0.014 | | | | | | |
| 9 | | 0.008 | | | | | | |
| 10 | | 0.008 | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |
| 13 | | | | | | | | |
| 14 | | | | | | | | |
| 15 | | | | | | | | |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No 2411

SHEET 10 OF 20

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | 0.005 | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | 46 | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |
| 13 | | | | | | | | |
| 14 | | | | | | | | |
| 15 | | | | | | | | |
| 16 | | 0.005 | | | | | | |
| 17 | | 0.029 | | | | | | |
| 18 | | | | | | | | |
| 19 | | 0.001 | | | | | | |
| 20 | | | | | | | | |

673282

RGC EXPLORATION PTY LTD

DRILL HOLE No PH 11

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 11 OF 20

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| | | AV | | | | | Cool | AO-6 |
| 1 | | D-84 | | | | | | |
| 2 | | D-82 | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | LDF | AO-6 |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 210 | | | | | | | Cool | |
| 1 | | | | | | | LDF | SA-6 |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No PH 11

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 12 OF 20

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| | | Cu Pb Zn | | | | | Cool | AO-6 |
| 1 | 3m | 0.089 0.179 | | | | | Cool | SA-6 |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | * | | | Cool | AO-6 |
| 5 | | | | | | | | |
| 6 | 116 | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 130 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | 10.5m | 0.27 | | | | | Cool | SA-6 |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 210 | | | | | | | Cool | AS-6 |

REMARKS

673283

RGC EXPLORATION PTY LTD

DRILL HOLE No RH11

SHEET 15 OF 20

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH METER | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|---------------------|--------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 200 | 240 | | | | | | CU | OK-b |
| REMARKS | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH11

SHEET 16 OF 20

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH METER | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|---------------------|--------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 300 | 241 | | | | | | CU | OK-b |
| REMARKS | | | | | | | | |

673285

Tilzr = 6.3

CU
VDFM
OK-b

OK-b

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ⋯ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH PREFIX | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|----------------------|-----------|---------------|---------|-------------|------------|------------------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 370 | | | | ┌ | | | Cwl | KO-0 |
| 416 | | | | ┌ | | T ₁₂₁ = 5.4 | LDP | |
| 700 | | | | ┌ | | | | |
| REMARKS | | | | | | | | |

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ⋯ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH PREFIX | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|----------------------|-----------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| | | | | ┌ | | | Cwl | KO-0 |
| | | | | ┌ | | | LDP | |
| | | | | ┌ | | | | |
| REMARKS | | | | | | | | |

673287

GOLDFIELDS EXPLORATION DRILL HOLE RECORD

| | | | |
|-------------|------------|-------------|---------|
| HOLE NUMBER | RH12 | DRILLED BY | |
| PROJECT | | NORTHING | 5365576 |
| PROSPECT | Red Hills | EASTING | 382185 |
| COMPANY | MLMRC | RL | 800 |
| LOGGED BY | | INCLINATION | -51 |
| COMMENCED | 04-05-1982 | AZIMUTH | 102 |
| FINISHED | 28-05-1982 | EOH | 307 |

PURPOSE

To test the volcanoclastic/pyroclastic sequence directly above the chlorite alteration pipe
Delineated within the Red Hills lava by C Eastoe

Collar:- Line16S, 246mE

SURVEY DATA

| DEPTH | INC. | AZ. | DEPTH | INC. | AZ. | DEPTH | INC. | AZ. |
|-------|-------|-------|-------|------|-----|-------|------|-----|
| 0 | -51 | 102 | | | | | | |
| 53 | -48.7 | 102 | | | | | | |
| 101 | -46 | 100.5 | | | | | | |
| 149 | -45.3 | 102 | | | | | | |
| 200 | -44.5 | 100.7 | | | | | | |
| 236 | -40.5 | 99 | | | | | | |
| 239 | -37.2 | 96 | | | | | | |
| 305 | -37 | 98 | | | | | | |

DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|---------|--------------------|
| HQ | 0-21.1 | 6m HQ left in hole |
| NQ | 21.1-42 | PVC to 307m |
| BQ | 42-307 | |
| | | |

SUMMARY

| |
|--|
| References |
| Meares et al, 1982. 9/66 Annual Report 1981-82. P13-15. Appendix B. Plan 14 |
| Purvis et al 1983. 9/66 Annual Report 1982-83. Fig 21. |
| Roberts and Cartwright, 1984. 9/66 Annual Report 1983-84. Fig 13. |
| Assays |
| Meares et al, 1982. 9/66 Annual Report 1981-82. Appendix B. (Cu, Pb, Zn, Ag, Au) |
| Anon, 1985. TCR 85-2451 (Cu, Pb, Zn, Ag, Au, S, Mn) |
| TCR 87-2705. CRAE core grinds (Cu, Pb, Zn, Au, Ag, As, Fe, Mn, Ba) |
| Geophysics |
| DHSirotem - McNeill, 1989. TCR 89-3023 |
| DHEM - McNeill, 1989. TCR 89-3023 |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH12 (SUMMARY)

SHEET 1 OF 2

- Bedding
- ⌋ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

| | |
|-------------|--|
| PROJECT : | |
| PROSPECT : | |
| DATE : | |
| LOGGED BY : | |

| HOLE DEPTH SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|-------------|------------|------|-----|---------------|---------|------------|
| | | | | SIL. | SER. | PT. | | ROCK | ALTERATION |
| 10 | | | | | | | | | |
| 20 | | | | | | | | | |
| 30 | | | | | | | | | |
| 40 | | | | | | | | | |
| 50 | | | | | | | | | |
| 60 | | | | | | | | | |
| 70 | | | | | | | | | |
| 80 | | | | | | | | | |
| 90 | | | | | | | | | |
| 100 | | | | | | | | | |
| 110 | | | | | | | | | |
| 120 | | | | | | | | | |
| 130 | | | | | | | | | |
| 140 | | | | | | | | | |
| 150 | | | | | | | | | |
| 160 | | | | | | | | | |
| 170 | | | | | | | | | |
| 180 | | | | | | | | | |
| 190 | | | | | | | | | |
| 200 | | | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH12 (SUMMARY)

SHEET 2 OF 2

- Bedding
- ⌋ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

| | |
|-------------|--|
| PROJECT : | |
| PROSPECT : | |
| DATE : | |
| LOGGED BY : | |

| HOLE DEPTH SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|-------------|------------|------|-----|---------------|---------|------------|
| | | | | SIL. | SER. | PT. | | ROCK | ALTERATION |
| 210 | | | | | | | | | |
| 220 | | | | | | | | | |
| 230 | | | | | | | | | |
| 240 | | | | | | | | | |
| 250 | | | | | | | | | |
| 260 | | | | | | | | | |
| 270 | | | | | | | | | |
| 280 | | | | | | | | | |
| 290 | | | | | | | | | |
| 300 | | | | | | | | | |
| 310 | | | | | | | | | |
| 320 | | | | | | | | | |
| 330 | | | | | | | | | |
| 340 | | | | | | | | | |

REMARKS

673289

RGC EXPLORATION PTY LTD

DRILL HOLE No RH12

RGC EXPLORATION PTY LTD

DRILL HOLE No RH12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 1 OF 16

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 2 OF 16

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|------------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | | | | | | VDFM | |
| 3 | | | | | | | VDFM | |
| 4 | | | | | | | VDFM | |
| 5 | | | | | | | VDFM | |
| 6 | | | | | | | VDFM | |
| 7 | | | | | | | VDFM | |
| 8 | | | | | | | VDFM | |
| 9 | | | | | | | VDFM | |
| 10 | | | | | | | Covm | |
| 11 | | | | | | | VDFM | |
| 12 | | | | | | | VDFM | |
| 13 | | | | | | | VDFM | |
| 14 | | | | | | | VDFM | |
| 15 | | | | | | | VDFM | |
| 16 | | | | | | | VDFM | |
| 17 | | | | | | | VDFM | |
| 18 | | | | | | | VDFM | |
| 19 | | | | | | | VDFM | |
| 20 | | | | | | | VDFM | |
| REMARKS | | | | | | | | |

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|------------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 2 | | | | | | | VDFM | |
| 4 | | | | | | | VDFM | |
| 6 | | | | | | | VDFM | |
| 8 | | | | | | | VDFM | |
| 10 | | | | | | | Covm | |
| 12 | | | | | | | VDFM | |
| 14 | | | | | | | VDFM | |
| 16 | | | | | | | VDFM | |
| 18 | | | | | | | VDFM | |
| 20 | | | | | | | VDFM | |
| REMARKS | | | | | | | | |

673290

RGC EXPLORATION PTY LTD

DRILL HOLE No RH12

SHEET 3 OF 16

- Bedding
- ⌊ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|--------------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | |
| 1 | 240 | 350 9200 | Co-3 Co-1 | | | | | |
| 2 | 150 | 1500 4200 | Co-1 | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | Co-1 | VDFC |
| 8 | | | | | | | | |
| 10 | | | | | | | | |
| 12 | | | | | | | | |
| 14 | | | | | | | | |
| 16 | | | | | | | | |
| 18 | | | | | | | | |
| 20 | | | | | | | | |
| 22 | | | | | | | | |
| 24 | | | | | | | | |
| 26 | | | | | | | | |
| 28 | | | | | | | | |
| 30 | | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH12

SHEET 4 OF 16

- Bedding
- ⌊ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 10 | | | | | | | | |
| 12 | | | | | | | | |
| 14 | | | | | | | | |
| 16 | | | | | | | | |
| 18 | | | | | | | | |
| 20 | | | | | | | | |
| 22 | | | | | | | | |
| 24 | | | | | | | | |
| 26 | | | | | | | | |
| 28 | | | | | | | | |
| 30 | | | | | | | | |

REMARKS

673291

RGC EXPLORATION PTY LTD

DRILL HOLE No 2H12

SHEET 5 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⊘ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | | | ALTERATION | GEOLOGY NOTES | | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|---|---|---|---|---|---|---|---|----|----|----|------------|---------------|-----|---------|------------|
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | SIL | CHL | ROCK | ALTERATION |
| 0 | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No 2H12

SHEET 6 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⊘ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | | | ALTERATION | GEOLOGY NOTES | | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|---|---|---|---|---|---|---|---|----|----|----|------------|---------------|-----|---------|------------|
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | SIL | CHL | ROCK | ALTERATION |
| 0 | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | |

REMARKS

673292

RGC EXPLORATION PTY LTD

DRILL HOLE No RH12

SHEET 7 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0-2 | Cu | 1200 1.2 | | | | | | |
| 2-4 | | | | | | | | |
| 4-6 | 200 | 420 -0.1 | | | | | | |
| 6-8 | 1050 | 300 6.3 | | | | | | |
| 8-10 | | 1300 -0.1 | | | | | | |
| 10-12 | 620 | 130 1.8 | | | | | | |
| 12-14 | | 1400 -0.1 | | | | | | |
| 14-16 | 50 | 60 0.4 | | | | | | |
| 16-18 | | 500 -0.1 | | | | | | |
| 18-20 | | | | | | | | |
| 20-22 | | | | | | | | |
| 22-24 | | | | | | | | |
| 24-26 | | | | | | | | |
| 26-28 | | | | | | | | |
| 28-30 | | | | | | | | |
| 30-32 | | | | | | | | |
| 32-34 | | | | | | | | |
| 34-36 | | | | | | | | |
| 36-38 | | | | | | | | |
| 38-40 | | | | | | | | |
| 40-42 | | | | | | | | |
| 42-44 | | | | | | | | |
| 44-46 | | | | | | | | |
| 46-48 | | | | | | | | |
| 48-50 | | | | | | | | |

feldspar phytic dark lava breccia
 flow banded clasts common

LD48 Q456

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH12

SHEET 8 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0-2 | Cu | 1400 0.6 | | | | | | |
| 2-4 | | 80 | | | | | | |
| 4-6 | | 1200 -0.1 | | | | | | |
| 6-8 | 280 | 1300 3.0 | | | | | | |
| 8-10 | | 6400 -0.1 | | | | | | |
| 10-12 | 200 | 400 5.7 | | | | | | |
| 12-14 | | 6200 -0.1 | | | | | | |
| 14-16 | | | | | | | | |
| 16-18 | | | | | | | | |
| 18-20 | | | | | | | | |
| 20-22 | | | | | | | | |
| 22-24 | | | | | | | | |
| 24-26 | | | | | | | | |
| 26-28 | | | | | | | | |
| 28-30 | | | | | | | | |
| 30-32 | | | | | | | | |
| 32-34 | | | | | | | | |
| 34-36 | | | | | | | | |
| 36-38 | | | | | | | | |
| 38-40 | | | | | | | | |
| 40-42 | | | | | | | | |
| 42-44 | | | | | | | | |
| 44-46 | | | | | | | | |
| 46-48 | | | | | | | | |
| 48-50 | | | | | | | | |

QSP6

LD48

VDPM

LD48 VDXA

REMARKS

673293

RGC EXPLORATION PTY LTD

DRILL HOLE No RH12

RGC EXPLORATION PTY LTD

DRILL HOLE No RH12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ⊠ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 9 OF 16

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ⊠ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 10 OF 16

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|---|------------|---------------|---------|------------|
| | | | | | | ROCK | ALTERATION |
| 100 | | | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 | | | | |
| 2 | | | 1 | | | | |
| 4 | | | 2 | | | | |
| 6 | | | 2 | | | | |
| 8 | | | 2 | | | | |
| 10 | | | 2 | | | | |
| 12 | | | 2 | | | | |
| 14 | | | 2 | | | | |
| 16 | | | 2 | | | | |
| 18 | | | 2 | | | | |
| 20 | | | 2 | | | | |

REMARKS

| HOLE DEPTH SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | ROCK | ALTERATION |
| 2 | | | 1 | | | | |
| 4 | | | 1 | | | | |
| 6 | | | 1 | | | | |
| 8 | | | 1 | | | | |
| 10 | | | 1 | | | | |
| 12 | | | 1 | | | | |
| 14 | | | 1 | | | | |
| 16 | | | 1 | | | | |
| 18 | | | 1 | | | | |
| 20 | | | 1 | | | | |

REMARKS

673294

RGC EXPLORATION PTY LTD

DRILL HOLE No R412

SHEET 11 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | ALTERATION | GEOLOGY NOTES | | SUMMARY | | |
|-----------------------------------|---------------|---------|-------------|----|----|----|----|----|----|----|------|------------|------------|---------------|--|---------|--|--|
| | | | BL | SL | SE | PT | SP | PK | RA | CH | ROCK | ALTERATION | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No R412

SHEET 12 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | ALTERATION | GEOLOGY NOTES | | SUMMARY | | |
|-----------------------------------|---------------|---------|-------------|----|----|----|----|----|----|----|------|------------|------------|---------------|--|---------|--|--|
| | | | BL | SL | SE | PT | SP | PK | RA | CH | ROCK | ALTERATION | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | |
| 230 | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | |
| 240 | | | | | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | | | |

673295

RGC EXPLORATION PTY LTD

DRILL HOLE No 2412

SHEET 13 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ▨ Broken core
- ▨ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | ROCK | ALTERATION |
| 2 | | | | | | | OK-9 |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | | | | | |
| 20 | | | | | | Coal | LDPI |
| 22 | | | | | | | OK-6 |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No 2412

SHEET 14 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ▨ Broken core
- ▨ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | ROCK | ALTERATION |
| 2 | | | | | | | |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | V V V V | | Basalt Dyke | | |
| 20 | | | | | | Coal | LDPI |
| 22 | | | | | | | OK-6 |
| 4 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | | | | | |

REMARKS

673206

RGC EXPLORATION PTY LTD

DRILL HOLE No RH12

SHEET 15 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH METERS | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|----------------------|--------------|---------------|---------|----------------|------------|------------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 10 | | | | | | | | |
| 12 | | | | | | | | |
| 14 | | | | | | | | |
| 16 | | | | | | | | |
| 18 | | | | | | | | |
| 20 | | | | | | | | |
| 22 | | | | | | | | |
| 24 | | | | | | | | |
| 26 | | | | | | | | |
| REMARKS | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH12

SHEET 16 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH METERS | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|----------------------|--------------|---------------|---------|----------------|------------|------------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 6 | | | | | | | | |
| 8 | | | | | | | | |
| 10 | | | | | | | | |
| 12 | | | | | | | | |
| 14 | | | | | | | | |
| 16 | | | | | | | | |
| 18 | | | | | | | | |
| 20 | | | | | | | | |
| 22 | | | | | | | | |
| 24 | | | | | | | | |
| 26 | | | | | | | | |
| 28 | | | | | | | | |
| 30 | | | | | | | | |
| REMARKS | | | | | | | | |

673297

GOLDFIELDS EXPLORATION DRILL HOLE RECORD

| | | | |
|-------------|------------|-------------|---------|
| HOLE NUMBER | RH13 | DRILLED BY | |
| PROJECT | | NORTHING | 5364850 |
| PROSPECT | Red Hills | EASTING | 382283 |
| COMPANY | Goldfields | RL | 775.3 |
| LOGGED BY | | INCLINATION | 083 |
| COMMENCED | 02-11-82 | AZIMUTH | -47 |
| FINISHED | 09-11-82 | EOH | 244 |

PURPOSE

| |
|--|
| To test for mineralisation along strike to south from intersection in RH5 and at a similar RL to RH5 |
| |
| |
| |
| |

SURVEY DATA

| DEPTH | INC. | AZ. | DEPTH | INC. | AZ. | DEPTH | INC. | AZ. |
|-------|-------|-------|-------|------|-----|-------|------|-----|
| 0 | -47 | 083 | | | | | | |
| 33.2 | -46 | 084 | | | | | | |
| 69.2 | -43 | 084.5 | | | | | | |
| 99.2 | -41 | 085 | | | | | | |
| 125.7 | -38.5 | 084 | | | | | | |
| 165.2 | -34.5 | 084 | | | | | | |
| 207 | -33.5 | 086 | | | | | | |
| 243 | -30 | 086 | | | | | | |

DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|-----------|----------|
| HQ | 0 - 3 | |
| NQ | 3 - 101 | |
| BQ | 101 - 244 | |
| | | |

SUMMARY

| |
|---|
| References |
| Purvis et al 1983. 9/66 Annual Report 1982-83. Appendix B (Log), Plan 12. |
| |
| |
| Assays |
| Purvis et al 1983. 9/66 Annual Report 1982-83.. Appendix B. (Cu, Pb, Zn, Ag, Au, S) |
| Anon, 1985. TCR 85-2451 (Cu, Pb, Zn, Ag, Au) |
| TCR 87-2705. CRAE core grinds (Cu, Pb, Zn, Au, Ag, As, Fe, Mn, Ba) |
| |
| |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH13 (summary)

SHEET 1 OF 2

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↖ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 10 | | | | | | | | |
| 20 | | | | | | | | |
| 30 | | | | | | | | |
| 40 | | | | | | | | |
| 50 | | | | Breccia | | | | |
| 60 | | | | | | | | |
| 70 | | | | | | | | |
| 80 | | | | | | | | |
| 90 | | | | | | | | |
| 100 | | | | | | | | |
| 110 | | | | Narrow vein | | | | |
| 120 | | | | | | | | |
| 130 | | | | | | | | |
| 140 | | | | | | | | |
| 150 | | | | | | | | |
| 160 | | | | | | | | |
| 170 | | | | | | | | |
| 180 | | | | | | | | |
| 190 | | | | | | | | |
| 200 | | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH13 (summary)

SHEET 2 OF 2

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↖ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 210 | | | | | | | | |
| 220 | | | | | | | | |
| 230 | | | | | | | | |
| 240 | | | | Breccia | | | | |
| | | | | BOR - Z44 | | | | |

REMARKS

673299

RGC EXPLORATION PTY LTD

DRILL HOLE No RH13

SHEET 1 OF 13

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---|---------|---------------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | Weathered feld phasic Volcaniclastic? Lm common on joint surface and leached veins Also minor jurassic shaly. | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | Cou VDFM SL-1 |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 6 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 20 | | | | | | | | |
| REMARKS | | | | | | | | |

FB
80

RGC EXPLORATION PTY LTD

DRILL HOLE No RH13

SHEET 2 OF 13

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|---------------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | Cou VDFM |
| 5 | | | | | | | | |
| 6 | | | | | | | | SL-6 |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | Cou VDFM SL-6 |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | 90 | | | | | | |
| 9 | 20 | 640 | 501 | | | | | |
| 9 | 80 | 680 | 480 | -0.1 | | | | |
| 40 | | | | | | | | |
| REMARKS | | | | | | | | |

673300

RGC EXPLORATION PTY LTD

DRILL HOLE No R413

SHEET 3 OF 13

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|----------------------|---------|-------------|------------|---|---------|--------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | CW | P ₁ Zn Au | | | | | | |
| 2 | 60 | 830 Zn | | | | | Calcs | SILT |
| 3 | | | | | | | | |
| 4 | 70 | 430 550 | | | | | | |
| 5 | | | | | | | | |
| 6 | 40 | 90 150 | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 50 | | | | | | | | |
| 1 | | | | | | Metablastic dacite Lava = fine gr siliceous matrix. | Calcs | WDFB PS-C |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| REMARKS | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No R413

SHEET 4 OF 13

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 50 | | | | | | | | |
| REMARKS | | | | | | | | |

673301

RGC EXPLORATION PTY LTD

DRILL HOLE No R413

RGC EXPLORATION PTY LTD

DRILL HOLE No R413

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 7 OF 13

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 8 OF 13

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | | ALTERATION | GEOLOGY NOTES | | SUMMARY | | | | |
|--------------------------------|---------------|---------|-------------|---|---|---|---|---|---|---|---|----|----|------------|---------------|------|---------|-----|------|------------|--|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | | 12 | SIL. | BER. | PT. | ROCK | ALTERATION | |
| 1 | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | |

Cool
LDF/
KO-6

REMARKS

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | | ALTERATION | GEOLOGY NOTES | | SUMMARY | | | | |
|--------------------------------|---------------|---------|-------------|---|---|---|---|---|---|---|---|----|----|------------|---------------|------|---------|-----|------|------------|--|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | | 12 | SIL. | BER. | PT. | ROCK | ALTERATION | |
| 1 | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | |

Cool
LDF/
KO-6

REMARKS

673303

RGC EXPLORATION PTY LTD

DRILL HOLE No KH13

RGC EXPLORATION PTY LTD

DRILL HOLE No RH13

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 9 OF 13

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 10 OF 13

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|--------------------------------|---------------|---------|-------------|------------|---------------|---------|--------------|
| | | | | | | ROCK | ALTERATION |
| 1 | | | └ | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | └ | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | └ | | | | |
| 170 | | | | | | Cool | LD-1 KO-6 |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | └ | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | └ | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |

REMARKS

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|--------------------------------|---------------|---------|-------------|------------|---------------|---------|--------------|
| | | | | | | ROCK | ALTERATION |
| 1 | | | └ | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | └ | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | └ | | | | |
| RD | | | | | | Cool | LD-1 KO-6 |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | └ | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | └ | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |

REMARKS

673304

RGC EXPLORATION PTY LTD

DRILL HOLE No RH13

SHEET 11 OF 13

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | 2405 0.58% | | | | | | |
| 9 | | 170 0.58% | | | | | | |
| 210 | | 350 1.41% | | | | | | |
| 1 | | | | | | | | |
| 2 | | 100 0.58% | | | | | | |
| 3 | | | | | | | | |
| 4 | | 170 1.01% | | | | | | |
| 5 | | | | | | | | |
| 6 | | 450 3.01% | | | | | | |
| 7 | | 270 3.41% | | | | | | |
| 8 | | 1100 | | | | | | |
| 9 | | 270 1.12% | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH13

SHEET 12 OF 13

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | 400 1.12% | | | | | | |
| 2 | | | | | | | | |
| 3 | | 460 1.13% | | | | | | |
| 4 | | | | | | | | |
| 5 | | 80 0.91% | | | | | | |
| 6 | | | | | | | | |
| 7 | | 220 0.98% | | | | | | |
| 8 | | | | | | | | |
| 9 | | 210 0.86% | | | | | | |
| 230 | | | | | | | | |
| 1 | | 380 2.52% | | | | | | |
| 2 | | | | | | | | |
| 3 | | 380 1.60% | | | | | | |
| 4 | | | | | | | | |
| 5 | | 370 1.03% | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |

REMARKS

673305

RGC EXPLORATION PTY LTD

DRILL HOLE No KH13

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- DA 40 Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- * Visible gold

SHEET 13 OF 13

| | |
|-------------|--|
| PROJECT : | |
| PROSPECT : | |
| DATE : | |
| LOGGED BY : | |

| HOLE DEPTH m | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|--------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | |
| 1 | | | | r | | | Czvl | |
| 2 | | | | r | | | LDX/ | |
| 3 | | | | | | | | K -- 8 |
| 4 | | | | | | | | HO-8 |
| | | | | EOH = 244m | | | | |
| REMARKS | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

673306

GOLDFIELDS EXPLORATION DRILL HOLE RECORD

| | | | |
|-------------|------------|-------------|---------|
| HOLE NUMBER | RH14 | DRILLED BY | |
| PROJECT | | NORTHING | 5364877 |
| PROSPECT | Red Hills | EASTING | 382124 |
| COMPANY | Goldfields | RL | 758.1 |
| LOGGED BY | | INCLINATION | -60 |
| COMMENCED | 16-11-82 | AZIMUTH | 082.5 |
| FINISHED | 19-11-82 | EOH | 101 |

PURPOSE

| |
|---|
| To test for mineralisation down dip to the south from intersection in RH5 between intersections in RH8 and RH9. |
| Hole stopped short due to flattening |
| No core available. |

SURVEY DATA

| DEPTH | INC. | AZ. | DEPTH | INC. | AZ. | DEPTH | INC. | AZ. |
|-------|------|-------|-------|------|-----|-------|------|-----|
| 0 | -60 | 082.5 | | | | | | |
| 33.2 | -56 | 084 | | | | | | |
| 63.2 | -47 | 085 | | | | | | |
| 99.2 | -39 | 085.5 | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|---------|----------|
| HQ | 0 - 3 | |
| NQ | 3 - 101 | |
| | | |

SUMMARY

| |
|---|
| References |
| Purvis et al 1983. 9/66 Annual Report 1982-83. Appendix B (Log), Plan 13. |
| Not assayed |
| |
| |
| |
| |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH14 (summary)

- Bedding
- ⊥ Cleavage
- ⋈ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊠ Broken core
- ⊠ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 1 OF 1

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : Based on log in Project at 1983

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|----------------|---------------------|---------------|---------|----------------------------|------------|-----|----|------------------------------|---------|------------|
| | | | | 1 2 3 4 5 6 | SIL | SER | PH | | ROCK | ALTERATION |
| 10 | | | | XH1 fault (Ig) | | | | Possibly Lava based on RH14R | | |
| 20 | | | | mped Pyroclastics (Ig?) | | | | | | |
| 30 | | | | Welded ignimbrite | | | | | | |
| 40 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 60 | | | | Coarse Pyroclastics (Ig?) | | | | | | |
| 70 | | | | | | | | | | |
| 80 | | | | Coarse Pyroclastics Ig? | | | | | | |
| 90 | | | | | | | | | | |
| 100 | | | | E0# = 101m | | | | | | |
| REMARKS | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

673308

GOLDFIELDS EXPLORATION DRILL HOLE RECORD

| | | | |
|-------------|------------|-------------|---------|
| HOLE NUMBER | RH14R | DRILLED BY | |
| PROJECT | | NORTHING | 5364877 |
| PROSPECT | Red Hills | EASTING | 382124 |
| COMPANY | Goldfields | RL | 758.1 |
| LOGGED BY | | INCLINATION | -70 |
| COMMENCED | 16-11-82 | AZIMUTH | 082.5 |
| FINISHED | 19-11-82 | EOH | 480 |

PURPOSE

| |
|---|
| To test for mineralisation down dip to the south from intersection in RH5 between intersections in RH8 and RH9. |
| |
| |
| |
| |
| |

SURVEY DATA

| DEPTH | INC. | AZ. | DEPTH | INC. | AZ. | DEPTH | INC. | AZ. |
|-------|--------|-------|-------|--------|-------|-------|--------|-------|
| 0 | -70 | 082.5 | 234.2 | -51.5 | 086 | 444 | -28.75 | 092.5 |
| 25.2 | -68 | 082.5 | 264 | -48 | 085 | 476 | -27 | 094 |
| 42.2 | -66.75 | 082.5 | 279.2 | -44 | 084.5 | | | |
| 73 | -62.25 | 083.5 | 300.2 | -39.25 | 085.5 | | | |
| 105.7 | -60.25 | 082.5 | 327.2 | -37.25 | 087 | | | |
| 141 | -58 | | 356.5 | -35.5 | 089 | | | |
| 168.2 | -55 | 085 | 386.5 | -33 | 089.5 | | | |
| 198.2 | -53 | 085.5 | 416.5 | -31 | 091.5 | | | |

DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|--------------|----------|
| HQ | 0 - 44.5 | |
| NQ | 44.5 - 149.5 | |
| BQ | 149.5 - 480 | |
| | | |

SUMMARY

| |
|---|
| References |
| Purvis et al 1983. 9/66 Annual Report 1982-83. Appendix B (Log), Plan 13. |
| |
| |
| Assays |
| Purvis et al 1983. 9/66 Annual Report 1982-83. Appendix B (Cu, Pb, Zn, Ag, Au). |
| |
| Petrology |
| Purvis et al 1983. 9/66 Annual Report 1982-83. Appendix B (Log) |
| |
| |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH14R (SUMMARY)

RGC EXPLORATION PTY LTD

DRILL HOLE No RH14R (SUMMARY)

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 1 OF 3

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 2 OF 3

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 10 | | | | | | | | |
| 20 | | | | | | | | |
| 30 | | | | | | | | |
| 40 | | | | | | | | |
| 50 | | | | | | | | |
| 60 | | | | | | | | |
| 70 | | | | | | | | |
| 80 | | | | | | | | |
| 90 | | | | | | | | |
| 100 | | | | | | | | |
| 110 | | | | | | | | |
| 120 | | | | | | | | |
| 130 | | | | | | | | |
| 140 | | | | | | | | |
| 150 | | | | | | | | |
| 160 | | | | | | | | |
| 170 | | | | | | | | |
| 180 | | | | | | | | |
| 190 | | | | | | | | |
| 200 | | | | | | | | |
| REMARKS | | | | | | | | |

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 210 | | | | | | | | |
| 220 | | | | | | | | |
| 230 | | | | | | | | |
| 240 | | | | | | | | |
| 250 | | | | | | | | |
| 260 | | | | | | | | |
| 270 | | | | | | | | |
| 280 | | | | | | | | |
| 290 | | | | | | | | |
| 300 | | | | | | | | |
| 310 | | | | | | | | |
| 320 | | | | | | | | |
| 330 | | | | | | | | |
| 340 | | | | | | | | |
| 350 | | | | | | | | |
| 360 | | | | | | | | |
| 370 | | | | | | | | |
| 380 | | | | | | | | |
| 390 | | | | | | | | |
| 400 | | | | | | | | |
| REMARKS | | | | | | | | |

673310

RGC EXPLORATION PTY LTD

DRILL HOLE No RH14R (SUMMARY)

SHEET 3 OF 3

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

| | |
|-------------|--|
| PROJECT : | |
| PROSPECT : | |
| DATE : | |
| LOGGED BY : | |

| HOLE DEPTH SAMPLE NO | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|----------------------------|---------------|---------|-------------|------------|------|-----|---------------|---------|------------|
| | | | | SIL. | SER. | OX. | | ROCK | ALTERATION |
| 430 | | | | | | | | | |
| 440 | | | | | | | | | |
| 450 | | | | | | | | | |
| 460 | | | | | | | | | |
| 470 | | | | | | | | | |
| 480 | | | | | | | | | |

EDF = 480m

REMARKS

673311

RGC EXPLORATION PTY LTD

DRILL HOLE No RH14R

RGC EXPLORATION PTY LTD

DRILL HOLE No RH14R

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ▣ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 3 OF 24

| | |
|-------------|--|
| PROJECT : | |
| PROSPECT : | |
| DATE : | |
| LOGGED BY : | |

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ▣ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 4 OF 24

| | |
|-------------|--|
| PROJECT : | |
| PROSPECT : | |
| DATE : | |
| LOGGED BY : | |

| HOLE DEPTH METER | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | | | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|---------------------|---------------------|---------------|---------|-------------|---|---|---|---|---|---|----|----|----|----|------|------------|---------------|---------------------|--|
| | | | | M | L | I | A | H | S | B | BL | SR | EP | FR | ROCK | | | ALTERATION | |
| 1 | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | Coal LDF/ K-6 | |
| 1 | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | Qtz vein | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | | | | |

| HOLE DEPTH METER | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | | | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|---------------------|---------------------|---------------|---------|-------------|---|---|---|---|---|---|----|----|----|----|------|------------|---------------|---------------------|--|
| | | | | M | L | I | A | H | S | B | BL | SR | EP | FR | ROCK | | | ALTERATION | |
| 1 | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | Coal LDF/ K-6 | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | Coal VCL GSK4 | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | | | | |

36.8

673313

zone of Qtz veining

↑ S₁ development
possibly fault contact
at base

RGC EXPLORATION PTY LTD

DRILL HOLE No RH14R

SHEET 5 OF 24

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|--------------------------------|---------------|---------|-------------|------------|----------------------|---------|------------|
| | | | | | | ROCK | ALTERATION |
| 1 | | | F | | | | |
| 2 | | | F | | | | |
| 3 | | | F | | | | |
| 4 | | | F | | | | |
| 5 | | | ⊞ | | Strongly broken core | | |
| 6 | | | ⊞ | | | | |
| 7 | | | F | | | | |
| 8 | | | F | | | | |
| 9 | | | F | | | | |
| 10 | | | F | | | | |
| 11 | | | F | | | | |
| 12 | | | F | | | | |
| 13 | | | F | | | | |
| 14 | | | F | | | | |
| 15 | | | F | | | | |
| 16 | | | F | | | | |
| 17 | | | F | | | | |
| 18 | | | F | | | | |
| 19 | | | F | | | | |
| 20 | | | F | | | | |
| REMARKS | | | | | | | |

Ccu
VDLC
OSK6

RGC EXPLORATION PTY LTD

DRILL HOLE No RH14R

SHEET 6 OF 24

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|--------------------------------|---------------|---------|-------------|------------|---|---------|------------|
| | | | | | | ROCK | ALTERATION |
| 1 | | | F | | | | |
| 2 | | | F | | | | |
| 3 | | | F | | Qtz-carb. K-feld vein | | |
| 4 | | | F | | Qtz-carb. K-feld vein | | |
| 5 | | | F | | | | |
| 6 | | | F | | | | |
| 7 | | | F | | Zone of intense Qtz-carb. K-feld veins | | |
| 8 | | | F | | | | |
| 9 | | | F | | | | |
| 10 | | | F | | Clast support basaltic volcanic clastic conglomerate (Perhaps gradational to LDFB) | | |
| 11 | | | F | | | | |
| 12 | | | F | | | | |
| 13 | | | F | | | | |
| 14 | | | F | | | | |
| 15 | | | F | | | | |
| 16 | | | F | | | | |
| 17 | | | F | | | | |
| 18 | | | F | | | | |
| 19 | | | F | | | | |
| 20 | | | F | | | | |
| REMARKS | | | | | | | |

Ccu
VDLC
K0-B
OSK6

673314

RGC EXPLORATION PTY LTD

DRILL HOLE No RH142

RGC EXPLORATION PTY LTD

DRILL HOLE No RH142

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 7 OF 24

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 8 OF 24

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | | |
|-----------------------------------|---------------|---------|-------------|------------|---|---------|------------|------|
| | | | | | | ROCK | ALTERATION | |
| 1 | | | | | dark brecciated Upper - Lower contacts | Cou | LDF/ | KO-8 |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | Cou | VDLC | OK-6 |
| 9 | | | | | | | | |
| 130 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | Cou-b | VDCE | OK-6 |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 4 | | | | | | Cou | VDLC | K-6 |
| REMARKS | | | | | | | | |

| HOLE DEPTH SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | | |
|-----------------------------------|---------------|---------|-------------|------------|---------------|---------|------------|-----|
| | | | | | | ROCK | ALTERATION | |
| 1 | | | | | | Cou | LDF/ | K-6 |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 130 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 4 | | | | | | Cou | LDF/ | K-6 |
| REMARKS | | | | | | | | |

673315

RGC EXPLORATION PTY LTD

DRILL HOLE No. KH14R

SHEET 11 OF 24

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ▨ Broken core
- ▨ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 210 | | | | | | | CW | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 6 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 230 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 6 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 240 | | | | | | | | |
| REMARKS | | | | | | | | |

← Tls 0560/44984/5972
 fld phytic pumic breccia

RGC EXPLORATION PTY LTD

DRILL HOLE No. KH14R

SHEET 12 OF 24

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ▨ Broken core
- ▨ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 230 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 6 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 240 | | | | | | | | |
| REMARKS | | | | | | | | |

strongly broken core

Basalt
 Basalt
 Basalt

CW
 VDFM
 SOK6
 CB
 IP--
 O--B
 CW
 VDFM
 OS6

673317

RGC EXPLORATION PTY LTD

DRILL HOLE No RH14R

RGC EXPLORATION PTY LTD

DRILL HOLE No RH14R

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- Broken core
- ▨ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 13 OF 24

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- Broken core
- ▨ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 14 OF 24

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | ALTERATION | GEOLOGY NOTES | SUMMARY | | |
|-----------------------------------|---------------|---------|-------------|---|---|---|---|----|------|----|----|----|------------|---------------|---------|------------|--------------------|
| | | | M | L | T | R | S | BL | SER. | PH | PK | AL | | | ROCK | ALTERATION | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | Cw VDFM OS-6 |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | | |

← 0501/4485/5A78
 Kelpyria pumice breccia

| HOLE DEPTH SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | ALTERATION | GEOLOGY NOTES | SUMMARY | | |
|-----------------------------------|---------------|---------|-------------|---|---|---|---|----|------|----|----|----|------------|---------------|---------|------------|--------------------|
| | | | M | L | T | R | S | BL | SER. | PH | PK | AL | | | ROCK | ALTERATION | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | Cw VDFM OS-6 |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | Cw VDFM K-6 |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | | |

673318

RGC EXPLORATION PTY LTD

DRILL HOLE No RH14R

SHEET 15 OF 24

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH M | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | ALTERATION | | | GEOLOGY NOTES | SUMMARY | | |
|-----------------|---------------------|---------------|---------|-------------|---|---|---|---|---|------------|---|---|---------------|---------|------|------------|
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | 10 | ROCK | ALTERATION |
| 1 | | | | └ | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | └ | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | └ | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | |
| 12 | | | | └ | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | |
| 16 | TLS | | | └ | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | |

← TLS 0562/04986/5974
 old physis lava

Cool
 LDF
 R-1

RGC EXPLORATION PTY LTD

DRILL HOLE No RH14R

SHEET 16 OF 24

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH M | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | ALTERATION | | | GEOLOGY NOTES | SUMMARY | | |
|-----------------|---------------------|---------------|---------|-------------|---|---|---|---|---|------------|---|---|---------------|---------|------|------------|
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | 10 | ROCK | ALTERATION |
| 1 | | | | └ | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | └ | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | └ | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | |

673319

Cool
 LDF
 R-1

RGC EXPLORATION PTY LTD

DRILL HOLE No RH142

SHEET 19 OF 24

- Bedding
- ⊥ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | | |
|------------|-----------|---------------|---------|-------------|------------|--|---------|------|------------|
| | | | | | | | GRAV | ROCK | ALTERATION |
| | Prefix | Cu Pb Zn Au | | | | | GRAV | ROCK | ALTERATION |
| 1 | 170 | 0.17 0.54 | -0.1 | | | | | | |
| 2 | | 0.30 0.63 | 0.4 | | | blk silst | | | |
| 3 | 90 | 0.76 0.60 | 0.8 | * | | ? oolitic carb + sulphide clasts | | | |
| 4 | 260 | 1.30 2.45 | 0.4 | | | | | | |
| 5 | 600 | 0.62 1.98 | 2.6 | | | | | | |
| 6 | 610 | 0.50 1.41 | 1.3 | | | | | | |
| 7 | 380 | 0.30 0.87 | 2.8 | | | | | | |
| 8 | 250 | 0.22 0.41 | 0.2 | | | | | | |
| 370 | 210 | 0.32 0.13 | 0.1 | | | ← 0563/44987/5975 carb spotted ash silstone | | | |
| 1 | TLS | | | | | | | | |
| 2 | 110 | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | 70 | | | | | | | |
| 5 | | | | | | | | | |
| 6 | 90 | | -0.1 | | | | | | |
| 7 | | 260 | | * | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 380 | | | | | | | | | |
| REMARKS | | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH142

SHEET 20 OF 24

- Bedding
- ⊥ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | | |
|------------|-----------|---------------|---------|-------------|------------|--|---------|------|------------|
| | | | | | | | GRAV | ROCK | ALTERATION |
| | Prefix | Cu Pb Zn Au | | | | | GRAV | ROCK | ALTERATION |
| 1 | 90 | 580 460 | -0.1 | | | | | | |
| 2 | 80 | 440 620 | -0.1 | | | | | | |
| 3 | | 500 600 | -0.1 | | | | | | |
| 4 | 60 | 700 750 | -0.1 | | | | | | |
| 5 | | 1000 1200 | 0.1 | | | | | | |
| 6 | 60 | 1000 1200 | 0.1 | | | | | | |
| 7 | | 1000 1200 | 0.1 | | | | | | |
| 8 | 70 | 1000 1200 | 0.1 | | | | | | |
| 9 | | 1000 2300 | -0.1 | | | | | | |
| 370 | 100 | 1500 3500 | -0.1 | | | | | | |
| 1 | | 70 | -0.1 | | | | | | |
| 2 | | 1150 2400 | -0.1 | | | | | | |
| 3 | TLS | | | | | ← TLS 0564/44988/5976 carb spotted ash silstone | | | |
| 4 | 100 | 460 2400 | -0.1 | | | | | | |
| 5 | | 600 2100 | -0.1 | | | | | | |
| 6 | 30 | 0.7 0.18 | -0.1 | | | | | | |
| 7 | | | | | | | | | |
| 8 | 20 | | | | | | | | |
| 9 | 70 | | | | | | | | |
| 400 | | | | | | | | | |
| REMARKS | | | | | | | | | |

673321

RGC EXPLORATION PTY LTD

DRILL HOLE No RH14R

SHEET 21 OF 24

- Bedding
- ⊥ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊠ Broken core
- ⋯ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|------|-----|---------|-------------|------------|---------------|---------|------------|
| | | g/t | g/t | g/t | | | | | ROCK | ALTERATION |
| 1 | 60 | 0.24 | -0.1 | | ~ | | | Cu | VDF-A | OK-6 |
| 2 | | 0.50 | | | | | | | | |
| 3 | 170 | 0.36 | -0.1 | | | | | | | |
| 4 | | 1.05 | | | | | | | | |
| 5 | 100 | 0.19 | -0.1 | | | | | | | |
| 6 | | 0.87 | | | | | | | | |
| 7 | 150 | 340 | -0.1 | | | | | | | |
| 8 | | 0.62 | | | | | | | | |
| 9 | 130 | 180 | -0.1 | | | | | | | |
| 410 | | 0.74 | | | | | | | | |
| 1 | 60 | 160 | -0.1 | | ~ | | | Cu | VDF-A | OK-6 |
| 2 | | 0.55 | | | | | | | | |
| 3 | 70 | 170 | -0.1 | | | | | | | |
| 4 | | 0.60 | | | | | | | | |
| 5 | 120 | 370 | -0.1 | | | | | | | |
| 6 | | 0.48 | | | | | | | | |
| 7 | TLS 60 | 100 | -0.1 | | | | | | | |
| 8 | | 0.03 | | | | | | | | |
| 9 | 50 | 200 | -0.1 | | | | | | | |
| 420 | | 0.47 | | | | | | | | |

REMARKS

← TLS 0506 / 4698 / 5977
ashy silstone

RGC EXPLORATION PTY LTD

DRILL HOLE No RH14R

SHEET 22 OF 24

- Bedding
- ⊥ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊠ Broken core
- ⋯ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|------|-----|---------|-------------|------------|---------------|---------|------------|
| | | g/t | g/t | g/t | | | | | ROCK | ALTERATION |
| 1 | 90 | 160 | -0.1 | | ~ | | | Cu | VDF-A | OK-6 |
| 2 | | 0.54 | | | | | | | | |
| 3 | 60 | 130 | -0.1 | | | | | | | |
| 4 | | 0.15 | | | | | | | | |
| 5 | 30 | 40 | -0.1 | | | | | | | |
| 6 | | 370 | | | | | | | | |
| 7 | 40 | 160 | -0.1 | | | | | | | |
| 8 | | 750 | | | | | | | | |
| 9 | 30 | 140 | -0.1 | | | | | | | |
| 630 | | 680 | | | | | | | | |
| 1 | 150 | 640 | -0.1 | | ~ | | | Cu | VDF-A | OK-6 |
| 2 | | 1250 | | | | | | | | |
| 3 | 90 | 170 | -0.1 | | | | | | | |
| 4 | | 650 | | | | | | | | |
| 5 | 100 | 90 | -0.1 | | | | | | | |
| 6 | | 0.5 | | | | | | | | |
| 7 | 120 | 120 | -0.1 | | | | | | | |
| 8 | | 0.6 | | | | | | | | |
| 9 | TLS 60 | 70 | -0.1 | | | | | | | |
| 440 | | 0.52 | | | | | | | | |

REMARKS

← 0506 / 4698 / 5978
fold phytic quartz breccia
or flow breccia lava

673322

GOLDFIELDS EXPLORATION DRILL HOLE RECORD

| | | | |
|-------------|------------|-------------|---------|
| HOLE NUMBER | RH15 | DRILLED BY | |
| PROJECT | | NORTHING | 5363651 |
| PROSPECT | Red Hills | EASTING | 382368 |
| COMPANY | Goldfields | RL | 675.1 |
| LOGGED BY | | INCLINATION | -60 |
| COMMENCED | 17-12-82 | AZIMUTH | 082.5 |
| FINISHED | 23-1-83 | EOH | 320 |

PURPOSE

| |
|---|
| To test the mineral potential in black shales south of intersection in RH11 and possible continuation of RH5 host horizon. The hole designed to test beneath a coincident Pb soil (Lyell, 1976), pole-dipole IP (CGC, 1971) and Turam/gravity (RTAE, 1957) anomaly. |
| |
| |
| |
| |

SURVEY DATA

| DEPTH | INC. | AZ. | DEPTH | INC. | AZ. | DEPTH | INC. | AZ. |
|-------|--------|-------|-------|--------|-------|-------|------|-----|
| 0 | -60 | 082.5 | 231.2 | -49 | 083 | | | |
| 37.8 | -59 | 078 | 256.2 | -47 | 081.5 | | | |
| 75.2 | -57.5 | 080 | 286.2 | -45 | 086.5 | | | |
| 102.2 | -56 | 077.5 | 316.2 | -43.75 | 084 | | | |
| 126.2 | -55 | 077 | | | | | | |
| 154.2 | -53.75 | 080 | | | | | | |
| 171.2 | -53 | 079.5 | | | | | | |
| 201.2 | -51.5 | 081 | | | | | | |

DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|----------|----------|
| HQ | 0 - 12 | |
| NQ | 12 - 71 | |
| BQ | 71 - 320 | |
| | | |

SUMMARY

| |
|---|
| References |
| Purvis et al 1983. 9/66 Annual Report 1982-83. Appendix B (Log), Plan 6 |
| |
| Assays |
| Purvis et al 1983. 9/66 Annual Report 1982-83. Appendix B (Cu, Pb, Zn, Ag, Au). |
| TCR 87-2705. CRAE core grinds (Cu, Pb, Zn, Au, Ag, As, Fe, Mn, Ba) |
| |
| Petrology |
| Purvis et al 1983. 9/66 Annual Report 1982-83. Appendix B (Log) |
| |
| |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH15 (summary)

RGC EXPLORATION PTY LTD

DRILL HOLE No RH15 (summary)

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 1 OF 2

PROJECT : RED HILLS
 PROSPECT :
 DATE : April 2000
 LOGGED BY : M. VICARY

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 2 OF 2

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|--------------------------------|---------------|---------|------------------|---|---|---|---|---|---|---|---|----|------------|---------------|---------|------------|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | ROCK | ALTERATION |
| 10 | | | No core | | | | | | | | | | | | | |
| 20 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 30 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 40 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 50 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 60 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 70 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 80 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 90 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 100 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 110 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 120 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 130 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 140 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 150 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 160 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 170 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 180 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 190 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 200 | | | [Bedding symbol] | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | |

| HOLE DEPTH SAMPLE PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | | | | | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|--------------------------------|---------------|---------|------------------|---|---|---|---|---|---|---|---|----|------------|---------------|---------|------------|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | ROCK | ALTERATION |
| 210 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 220 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 230 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 240 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 250 | | | [Breccia symbol] | | | | | | | | | | | | | |
| 260 | | | [Breccia symbol] | | | | | | | | | | | | | |
| 270 | | | [Breccia symbol] | | | | | | | | | | | | | |
| 280 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 290 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 300 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 310 | | | [Bedding symbol] | | | | | | | | | | | | | |
| 320 | | | [Bedding symbol] | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | | | |

673325

RGC EXPLORATION PTY LTD

DRILL HOLE No RH15

SHEET 1 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : Red Hills
 PROSPECT :
 DATE : April 2000
 LOGGED BY : M Vicary

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|----------------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 0 | | | | | | | | |
| 2.15 | | | | | | | | |
| 20 | | | | | | grey ashly siltstone | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH15

SHEET 2 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|----------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 30 | | | | | | grey sandstone | | |
| | | | | | | grey siltst | | |
| | | | | | | blk siltst | | |
| | | | | | | basalt | | |

REMARKS

673326

RGC EXPLORATION PTY LTD

DRILL HOLE No 2415

SHEET 3 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↖ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 50 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | 80 | 910 490 | -0.1 | | | | | |
| 7 | | | | | | | | |
| 8 | 50 | 440 390 | -0.1 | | | | | |
| 9 | | | | | | | | |
| 60 | 80 | 310 230 | -0.1 | | | | | |
| REMARKS | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No 2415

SHEET 4 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↖ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|---------------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | qtz carb vein | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 70 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | gray ash. siltstone | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | 80 | 200 150 | -0.1 | | | | | |
| 7 | | | | | | gray ash. siltstone | | |
| 8 | 40 | 020 010 | -0.1 | | | | | |
| 9 | | | | | | | | |
| 80 | 100 | 210 200 | -0.1 | | | | | |
| REMARKS | | | | | | | | |

678324

RGC EXPLORATION PTY LTD

DRILL HOLE No RH15

SHEET 5 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Braccia
- ▣ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

RGC EXPLORATION PTY LTD

DRILL HOLE No RH15

SHEET 6 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ▣ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|-------|------|---------|-------------|------------|---------------|---------|------------|
| | | Cu | Pb/Zn | Ag | | | | | ROCK | ALTERATION |
| 1 | | 70 | 200 | -0.1 | | | | | | |
| 2 | | 80 | 240 | -0.1 | | | | | | |
| 3 | | | 530 | | | | | | | |
| 4 | 60 | | 970 | -0.1 | | | | | | |
| 5 | | | | | | | | | | |
| 6 | 70 | | 0.4 | -0.1 | | | | | | |
| 7 | | | 0.87 | | | | | | | |
| 8 | | | 0.2 | -0.1 | | | | | | |
| 9 | 50 | | 700 | | | | | | | |
| 90 | 60 | | 0.27 | -0.1 | | | | | Cous | Silt |
| 1 | | | 0.41 | | | | | | | |
| 2 | 90 | | 0.49 | -0.1 | | | | | | |
| 3 | | | 1.1 | | | | | | | |
| 4 | 60 | | 820 | -0.1 | | | | | | |
| 5 | | | 0.16 | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 100 | | | | | | | | | | |

REMARKS

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|-------|------|---------|-------------|------------|---------------|---------|------------|
| | | Cu | Pb/Zn | Ag | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 110 | | | | | | | | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | 50 | | 0.11 | -0.1 | | | | | | |
| 8 | | | 0.44 | | | | | | | |
| 9 | 60 | | 0.22 | -0.1 | | | | | | |
| 9 | | | 0.30 | | | | | | | |
| 20 | | | | | | | | | | |

REMARKS

673328

RGC EXPLORATION PTY LTD

DRILL HOLE No RH15

SHEET 7 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ▣ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | 60 | 0.18 -0.1 | | | | | | |
| 2 | | 0.19 | | | | | | |
| 3 | 50 | 0.22 580 | -0.1 | | | | | |
| 4 | | | | | | | | |
| 5 | 60 | 0.25 0.17 | -0.1 | | | | | |
| 6 | | | | | | | | |
| 7 | 70 | 0.34 0.25 | -0.1 | | | | | |
| 8 | | | | | | | | |
| 9 | 80 | 0.23 0.29 | -0.1 | | | | | |
| 130 | | | | | | | | |
| 1 | 110 | 0.26 0.25 | -0.1 | | | | | |
| 2 | | | | | | | | |
| 3 | 80 | 0.30 0.35 | -0.1 | | | | | |
| 4 | | | | | | | | |
| 5 | 60 | 0.24 0.12 | -0.1 | | | | | |
| 6 | | | | | | | | |
| 7 | 160 | 0.76 0.47 | -0.1 | | | | | |
| 8 | | | | | | | | |
| 9 | 60 | 0.44 0.17 | -0.1 | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH15

SHEET 8 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ▣ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|----------------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | 0.18 -0.1 | | | | | | |
| 2 | 110 | 0.36 | -0.1 | | | | | |
| 3 | 290 | 0.2 138 | -0.1 | | | | | Calc SILT |
| 4 | | | | | | | | |
| 5 | 720 | 0.23 1.73 | -0.1 | | | | | |
| 6 | | | | | | | | |
| 7 | | 0.12 | | | | | | |
| 8 | 130 | 0.36 | -0.1 | | | | | Calc VDFM SP-6 |
| 9 | | | | | | | | |
| 150 | 100 | 720 0.24 | -0.1 | | | | | Calc SILT |
| 1 | | | | | | | | |
| 2 | | 590 | | | | | | |
| 3 | 40 | 0.14 | -0.1 | | | | | |
| 4 | | | | | | | | |
| 5 | 100 | 560 890 | -0.1 | | | | | Calc VDFM AD-6 |
| 6 | | | | | | | | |
| 7 | 40 | 590 0.1 | -0.1 | | | | | |
| 8 | | | | | | | | |
| 9 | 30 | 270 0.12 | -0.1 | | | | | |

REMARKS

673329

RGC EXPLORATION PTY LTD

DRILL HOLE No RH15

SHEET 9 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|--------------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | 20 | Pb 310 Zn 700 | | | | | | |
| 3 | 20 | Pb 0.12 Zn 420 | | | | | | |
| 5 | 50 | Pb 0.17 Zn 580 | | | | | | |
| 7 | 10 | Pb 590 Zn 250 | | | | | | |
| 9 | 170 | Pb 690 Zn 0.35 | | | | | | |
| 170 | 170 | Pb 0.31 Zn 0.61 | | | | | | |
| 2 | | Pb 0.16 Zn 0.65 | | | | | | |
| 3 | 180 | Pb 0.11 Zn 0.73 | | | | | | |
| 4 | 190 | Pb 0.11 Zn 0.73 | | | | | | |
| 6 | 70 | Pb 340 Zn 0.38 | | | | | | |
| 7 | | Pb 610 Zn 0.33 | | | | | | |
| 9 | 100 | Pb 610 Zn 0.33 | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH15

SHEET 10 OF 16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|--------------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | 130 | Pb 600 Zn 0.47 | | | | | | |
| 3 | 70 | Pb 440 Zn 0.20 | | | | | | |
| 5 | 60 | Pb 0.18 Zn 0.26 | | | | | | |
| 7 | 106 | Pb 0.18 Zn 0.13 | | | | | | |
| 9 | 190 | Pb 1.56 Zn -10 | | | | | | |
| 1 | | Pb 230 Zn 0.13 | | | | | | |
| 2 | | Pb -10 Zn 150 | | | | | | |
| 3 | | Pb 240 Zn 770 | | | | | | |
| 4 | | Pb 20 Zn 770 | | | | | | |
| 5 | | Pb 250 Zn 0.18 | | | | | | |
| 6 | 70 | Pb 340 Zn 0.38 | | | | | | |
| 7 | 175 | Pb 190 Zn 0.46 | | | | | | |
| 8 | 60 | Pb 0.4 Zn 0.4 | | | | | | |
| 9 | 80 | Pb 0.4 Zn 0.4 | | | | | | |

REMARKS

023300

Zone of intense barite veining
up to 14.2%

TL 0542/5979

- Bedding
- ⌋ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|--------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | Cu Pb Zn Au | | | | | | | |
| 2 | 90 | 0.11 0.56 | | | | | | |
| 4 | 100 | 0.60 0.28 | | | | | | |
| 6 | 110 | 0.90 0.42 | | | | | | |
| 8 | 260 | 0.80 0.78 | | | | | | |
| 210 | 50 | 0.30 0.17 | | | | | Cu | VDPM OK-6 |

REMARKS

- Bedding
- ⌋ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | Cu Pb Zn Au | | | | | | | |
| 2 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | 130 | 200 320 | -0.1 | | | | | |
| 9 | 300 | 160 340 | -0.1 | | | | | |
| 230 | 70 | 370 700 | -0.1 | | | | | |
| 4 | 0.2 | 250 220 | -0.1 | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |

REMARKS

188849

10 cm chl frame

RGC EXPLORATION PTY LTD

DRILL HOLE No RH15

SHEET 15 OF 16

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|--|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | * | | | Massive dark + patchy chl-kfeld alt. (pseudotactitic texture) | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 20 | | | | | | | CU1 | LDL4 |
| 1 | | | | | | | | OK-6 |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | TLS | | | | | | | |
| 6 | | | | | | ← TLS 0543/5980 kld phyr. pumice breccia | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | KO-6 |
| 9 | | | * | | | | | |
| REMARKS | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH15

SHEET 16 OF 16

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|---|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | * | | | | | |
| 9 | | | | | | Zone of chl-sit (after sitstone) alt. | | CU1 |
| 30 | | | | | | | | LDL4 |
| 1 | | | | | | | | OK-6 |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | TLS | | | | | ← TLS 0546/5981 kld-gtz phyr. pumice breccia | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | OK-6 |
| 9 | | | | | | | | |
| REMARKS | | | | | | | | |

673333

CDH-320

GOLDFIELDS EXPLORATION DRILL HOLE RECORD

| | | | |
|-------------|------------|-------------|---------|
| HOLE NUMBER | RH16 | DRILLED BY | |
| PROJECT | | NORTHING | 5365101 |
| PROSPECT | Red Hills | EASTING | 382155 |
| COMPANY | Goldfields | RL | 801.4 |
| LOGGED BY | | INCLINATION | -76 |
| COMMENCED | 14-11-83 | AZIMUTH | 104 |
| FINISHED | 7-12-83 | EOH | 414.1 |

PURPOSE

| |
|--|
| To test the depth of Au mineralisation detected in RH5, 6R, 8, 13 and 14R. |
| |
| Small massive sulphide intersected 345.3 – 349.8m. |
| |
| |

SURVEY DATA

| DEPTH | INC. | AZ. | DEPTH | INC. | AZ. | DEPTH | INC. | AZ. |
|-------|-------|-----|-------|------|-----|-------|------|-----|
| 0 | -76 | 104 | 223 | | | | | |
| 28 | -75 | 102 | 247 | | | | | |
| 57 | -70.5 | 097 | 277 | | | | | |
| 82 | -67.5 | 095 | 307 | | | | | |
| 106 | -63.5 | 094 | 344 | | | | | |
| 130 | -62 | 092 | 370 | | | | | |
| 160 | -60 | 090 | 402 | | | | | |
| 193 | -57 | 089 | | | | | | |

DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|-------------|----------|
| HQ | 0 – 29 | |
| NQ | 29 – 161 | |
| BQ | 161 – 414.1 | |
| | | |

SUMMARY

| |
|---|
| Reference |
| Roberts and Cartwright, 1984. 9/66 Annual Report 1983-84. Appendix 1, Figure 11 |
| |
| Assays |
| Roberts and Cartwright, 1984. 9/66 Annual Report 1983-84. Appendix 1 (Cu, Pb, Zn, Au, Ag) |
| Anon, 1985. TCR 85-2451 (Cu, Pb, Zn, Ag, Au) |
| |
| Petrology |
| Roberts and Cartwright, 1984. 9/66 Annual Report 1983-84. Appendix 1 |
| |
| |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH16 (Summary)

SHEET 1 OF 3

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT : Red Hills

PROSPECT :

DATE : April 2000

LOGGED BY : M. Vicary

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|-----------|------|
| | | | | | | | FORMATION | ROCK |
| 10 | | | | No Core | | | | |
| 20 | | | | | | | | |
| 30 | | | | | | | | |
| 40 | | | | | | | | |
| 50 | | | | | | | | |
| 60 | | | | | | | | |
| 70 | | | | | | | | |
| 80 | | | | | | | | |
| 90 | | | | | | | | |
| 100 | | | | | | | | |
| 110 | | | | | | | | |
| 120 | | | | | | | | |
| 130 | | | | | | | | |
| 140 | | | | | | | | |
| 150 | | | | | | | | |
| 160 | | | | | | | | |
| 170 | | | | | | | | |
| 180 | | | | | | | | |
| 190 | | | | | | | | |
| 200 | | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH16 (Summary)

SHEET 2 OF 3

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :

PROSPECT :

DATE :

LOGGED BY :

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|---------|-------------|------------|---------------|-----------|------|
| | | | | | | | FORMATION | ROCK |
| 210 | | | | | | | | |
| 220 | | | | | | | | |
| 230 | | | | | | | | |
| 240 | | | | | | | | |
| 250 | | | | | | | | |
| 260 | | | | | | | | |
| 270 | | | | | | | | |
| 280 | | | | | | | | |
| 290 | | | | | | | | |
| 300 | | | | | | | | |
| 310 | | | | | | | | |
| 320 | | | | | | | | |
| 330 | | | | | | | | |
| 340 | | | | | | | | |
| 350 | | | | | | | | |
| 360 | | | | | | | | |
| 370 | | | | | | | | |
| 380 | | | | | | | | |
| 390 | | | | | | | | |
| 400 | | | | | | | | |

REMARKS

673335

RGX EXPLORATION PTY LTD

DRILL HOLE No RH16 (summary)

SHEET 3 OF 3

- Bedding
- ⊥ Cleavage
- ⋈ Foliation
- ⋈ Fault, Shear
- ⋈ Breccia
- ⋈ Broken core
- ⋈ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

| | |
|-------------|--|
| PROJECT : | |
| PROSPECT : | |
| DATE : | |
| LOGGED BY : | |

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | | | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------------|------------|------|-----|------|-----|---------------|---------|------------|
| | | | | | SOIL | SER. | OX. | CHL. | PH. | | ROCK | ALTERATION |
| 410 | | | | <p>EdH=414.1m</p> | | | | | | | | |
| REMARKS | | | | | | | | | | | | |

673336

RGC EXPLORATION PTY LTD

DRILL HOLE No R416

SHEET 11 OF 21

- Bedding
- ⌊ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|----------------|---------|-------------|------------|--|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| | Cu | Pb Zn Au | | | | | | |
| 1 | | | | | | | | |
| 2 | 275 | 970 9700 | 0-50 | | | | | |
| 3 | | | | | | | | |
| 4 | 380 | 2800 8800 | 0-15 | | | oxidised flow banded trachite breccia | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | 230 | 2700 7300 | 0-15 | | | | | |
| 8 | | | | | | | | |
| 9 | 115 | 1020 4720 | 0-16 | | | | | |
| 210 | | | | | | | | |
| 1 | 145 | 2720 9000 | 0-37 | | | | | |
| 2 | | | | | | | | |
| 3 | 385 | 3520 6030 | 0-68 | | | | | |
| 4 | | | | | | | | |
| 5 | 20 | 90 6100 | 0-01 | | | | | |
| 6 | | | | | | | | |
| 7 | 25 | 210 1500 | 0-01 | | | | | |
| 8 | | | | | | | | |
| 9 | 15 | 180 1500 | 0-01 | | | | | |
| 220 | | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No R416

SHEET 17 OF 21

- Bedding
- ⌊ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|----------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| | Cu | Pb Zn Au | | | | | | |
| 1 | 30 | 450 2800 | 0-09 | | | | | |
| 2 | | | | | | | | |
| 3 | 35 | 660 750 | 0-01 | | | | | |
| 4 | | | | | | | | |
| 5 | 20 | 230 4200 | 0-01 | | | | | |
| 6 | | | | | | | | |
| 7 | 170 | 480 2170 | 0-04 | | | | | |
| 8 | | | | | | | | |
| 9 | 55 | 560 1580 | 0-01 | | | | | |
| 230 | | | | | | | | |
| 1 | 30 | 730 8100 | 0-01 | | | | | |
| 2 | | | | | | | | |
| 3 | 75 | 2500 3000 | 0-04 | | | | | |
| 4 | | | | | | | | |
| 5 | 50 | 240 240 | 0-01 | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 240 | | | | | | | | |

REMARKS * 232-232-Z 0.2m @ 6.93Au, 4730Cu, 33000Pb, 2500Zn, 200Au

673342

RGC EXPLORATION PTY LTD

DRILL HOLE No RH16

SHEET 17 OF 21

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⋯ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 320 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | 50 | 630 1380 | | | | | | |
| 4 | | | | | | | | |
| 5 | 40 | 1130 2170 | | | | | | |
| 6 | | | | | | | | |
| 7 | 145 | 340 4670 | | | | | | |
| 8 | | | | | | | | |
| 9 | 200 | 2600 3200 | | | | | | |
| 9 | 210 | 2000 31000 | | | | | | |
| 340 | | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH16

SHEET 18 OF 21

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⋯ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | 220 | 1850 3360 | | | | | | |
| 3 | 95 | 3200 4110 | | | | | | |
| 4 | | | | | | | | |
| 5 | 75 | 3960 4380 | | | | | | |
| 6 | 120 | 4800 10000 | | | | | | |
| 7 | 100 | 2670 19000 | | | | | | |
| 8 | 155 | 4970 22000 | | | | | | |
| 9 | 90 | 1910 3960 | | | | | | |
| 350 | 60 | 700 2510 | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 360 | | | | | | | | |

REMARKS

673345

RGC EXPLORATION PTY LTD

DRILL HOLE No RH16

SHEET 19 OF 21

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | 1400 | | | | | | |
| 7 | 115 | 1400 | -001 | | | | | |
| 8 | | 280 | | | | | | |
| 9 | 80 | 3200 | -001 | | | | | |
| 370 | | | | | | | | |
| 1 | 425 | 150 | -001 | | | | | |
| 2 | | 9200 | | | | | | |
| 3 | 150 | 460 | -001 | | | | | |
| 4 | | 8200 | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| REMARKS | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH16

SHEET 20 OF 21

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | 770 | | | | | | |
| 4 | 185 | 5100 | -001 | | | | | |
| 5 | 280 | 440 | -001 | | | | | |
| 6 | | 5240 | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 370 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| REMARKS | | | | | | | | |

673346

RGX EXPLORATION PTY LTD

DRILL HOLE No RH16

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 21 OF 21

| |
|-------------|
| PROJECT : |
| PROSPECT : |
| DATE : |
| LOGGED BY : |

| HOLE DEPTH M | SAMPLE NO | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|--------------|---------------|---------|-------------|------------|---------------|---------|--------------|
| | | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | * | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | Cc1 | LDF1 OK-B |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | basalt | Cb | OK-B |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | Cc1 | LDF1 OK-B |
| 13 | | | | | | | | |
| 14 | | | | | | | | |
| REMARKS | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

210000

GOLDFIELDS EXPLORATION DRILL HOLE RECORD

| | | | |
|--------------------|------------|--------------------|---------|
| HOLE NUMBER | RH17 | DRILLED BY | |
| PROJECT | | NORTHING | 5363091 |
| PROSPECT | Red Hills | EASTING | 382508 |
| COMPANY | Goldfields | RL | 656 |
| LOGGED BY | | INCLINATION | -55 |
| COMMENCED | 18-01-84 | AZIMUTH | 067 |
| FINISHED | 30-01-84 | EOH | 208 |

PURPOSE

| |
|--|
| To test southern extension of the Red Hills Basin. |
| |
| |
| |
| |
| |
| |

SURVEY DATA

| DEPTH | INC. | AZ. | DEPTH | INC. | AZ. | DEPTH | INC. | AZ. |
|-------|------|-----|-------|------|-----|-------|------|-----|
| 0 | -55 | 067 | | | | | | |
| 31 | -51 | 062 | | | | | | |
| 80 | -49 | 074 | | | | | | |
| 115 | -48 | 074 | | | | | | |
| 208 | -48 | 069 | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|----------|---------------------|
| HQ | 0 - 18 | 12m HQ left in hole |
| NQ | 18 - 75 | |
| BQ | 75 - 208 | |
| | | |

SUMMARY

| |
|---|
| Reference |
| Roberts and Cartwright, 1984. 9/66 Annual Report 1983-84. Appendix 1, Figure 12 and 13 |
| |
| Assays |
| Roberts and Cartwright, 1984. 9/66 Annual Report 1983-84. Appendix 1 (Cu, Pb, Zn, Au, Ag) |
| |
| |
| |
| |
| |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH17 (summary)

RGC EXPLORATION PTY LTD

DRILL HOLE No RH17 (summary)

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 1 OF 2

PROJECT : Red Hills
 PROSPECT :
 DATE : April 2000
 LOGGED BY : M. Vicary

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

SHEET 2 OF 2

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|------|-----|---------------|---------|------------|
| | | | | | SIL. | CHL. | KA. | | ROCK | ALTERATION |
| 10 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 80 | | | | | | | | | | |
| 90 | | | | | | | | | | |
| 100 | | | | | | | | | | |
| 110 | | | | | | | | | | |
| 120 | | | | | | | | | | |
| 130 | | | | | | | | | | |
| 140 | | | | | | | | | | |
| 150 | | | | | | | | | | |
| 160 | | | | | | | | | | |
| 170 | | | | | | | | | | |
| 180 | | | | | | | | | | |
| 190 | | | | | | | | | | |
| 200 | | | | | | | | | | |
| REMARKS | | | | | | | | | | |

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|------|-----|---------------|---------|------------|
| | | | | | SIL. | CHL. | KA. | | ROCK | ALTERATION |
| 210 | | | | | | | | | | |
| REMARKS | | | | | | | | | | |

673349

RGC EXPLORATION PTY LTD

DRILL HOLE No 2H17

RGC EXPLORATION PTY LTD

DRILL HOLE No 2H17

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 3 OF 11

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 4 OF 11

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|----------------------------|-----------|---------------|----------------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| | | Cu Pb Zn | | | | | | |
| 1 | 10 | 20 790 | [Disseminated] | [Bedding] | | | VDFM | O5-6 |
| 2 | 20 | 20 520 | | | | | | |
| 3 | 10 | 30 390 | | | | | | |
| 4 | 10 | 50 420 | | | | | | |
| 5 | 20 | 50 360 | [Disseminated] | [Bedding] | | | VR7M | S-8 |
| 6 | 15 | 320 130 | | | | | | |
| 7 | 20 | 410 90 | [Disseminated] | [Bedding] | | | VR7M | S-4 |
| 8 | 20 | 680 90 | | | | | | |
| 9 | 15 | 20 70 | | | | | | |
| 50 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 60 | | | | | | | | |
| REMARKS <u>Av < 0.1</u> | | | | | | | | |

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|----------------------------|-----------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| | | | | | | | | |
| 70 | | | | | | | | |
| 80 | | | | | | | | |
| 90 | | | | | | | | |
| 100 | | | | | | | | |
| 110 | | | | | | | | |
| 120 | | | | | | | | |
| 130 | | | | | | | | |
| 140 | | | | | | | | |
| 150 | | | | | | | | |
| 160 | | | | | | | | |
| 170 | | | | | | | | |
| 180 | | | | | | | | |
| 190 | | | | | | | | |
| 200 | | | | | | | | |
| 210 | | | | | | | | |
| 220 | | | | | | | | |
| 230 | | | | | | | | |
| 240 | | | | | | | | |
| 250 | | | | | | | | |
| 260 | | | | | | | | |
| 270 | | | | | | | | |
| 280 | | | | | | | | |
| 290 | | | | | | | | |
| 300 | | | | | | | | |
| 310 | | | | | | | | |
| 320 | | | | | | | | |
| 330 | | | | | | | | |
| 340 | | | | | | | | |
| 350 | | | | | | | | |
| 360 | | | | | | | | |
| 370 | | | | | | | | |
| 380 | | | | | | | | |
| 390 | | | | | | | | |
| 400 | | | | | | | | |
| 410 | | | | | | | | |
| 420 | | | | | | | | |
| 430 | | | | | | | | |
| 440 | | | | | | | | |
| 450 | | | | | | | | |
| 460 | | | | | | | | |
| 470 | | | | | | | | |
| 480 | | | | | | | | |
| 490 | | | | | | | | |
| 500 | | | | | | | | |
| 510 | | | | | | | | |
| 520 | | | | | | | | |
| 530 | | | | | | | | |
| 540 | | | | | | | | |
| 550 | | | | | | | | |
| 560 | | | | | | | | |
| 570 | | | | | | | | |
| 580 | | | | | | | | |
| 590 | | | | | | | | |
| 600 | | | | | | | | |
| 610 | | | | | | | | |
| 620 | | | | | | | | |
| 630 | | | | | | | | |
| 640 | | | | | | | | |
| 650 | | | | | | | | |
| 660 | | | | | | | | |
| 670 | | | | | | | | |
| 680 | | | | | | | | |
| 690 | | | | | | | | |
| 700 | | | | | | | | |
| 710 | | | | | | | | |
| 720 | | | | | | | | |
| 730 | | | | | | | | |
| 740 | | | | | | | | |
| 750 | | | | | | | | |
| 760 | | | | | | | | |
| 770 | | | | | | | | |
| 780 | | | | | | | | |
| 790 | | | | | | | | |
| 800 | | | | | | | | |
| 810 | | | | | | | | |
| 820 | | | | | | | | |
| 830 | | | | | | | | |
| 840 | | | | | | | | |
| 850 | | | | | | | | |
| 860 | | | | | | | | |
| 870 | | | | | | | | |
| 880 | | | | | | | | |
| 890 | | | | | | | | |
| 900 | | | | | | | | |
| 910 | | | | | | | | |
| 920 | | | | | | | | |
| 930 | | | | | | | | |
| 940 | | | | | | | | |
| 950 | | | | | | | | |
| 960 | | | | | | | | |
| 970 | | | | | | | | |
| 980 | | | | | | | | |
| 990 | | | | | | | | |
| 1000 | | | | | | | | |
| REMARKS <u>Av < 0.1</u> | | | | | | | | |

673351

most minor pebb- calc sized clasts of quartz

RGC EXPLORATION PTY LTD

DRILL HOLE No 2417

SHEET 7 OF 11

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH M | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|---------------|---------|--------------|
| | | | | | | | ROCK | ALTERATION |
| 10 | | | | | | | Co | CONG 10-8 |
| REMARKS | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No 2417

SHEET 8 OF 11

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH M | SAMPLE No PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|------------|---------------|---------|--------------|
| | | | | | | | ROCK | ALTERATION |
| 8 | | | | | | | Co | CONG 10-8 |
| REMARKS | | | | | | | | |

673353

RGC EXPLORATION PTY LTD

DRILL HOLE No RH17

SHEET 9 OF 11

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|---|---|---|---|---|------------|---------------|---------------------|---|
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | | | 7 | 8 |
| 170 | | | | | | | | | | | | C00 L036 HQ-8 | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH17

SHEET 10 OF 11

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | | | | | | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|---------------------|---------------|---------|-------------|---|---|---|---|---|------------|---------------|---------------------|---|
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | | | 7 | 8 |
| 190 | | | | | | | | | | | | C00 L036 HQ-8 | |

REMARKS

673354

GOLDFIELDS EXPLORATION DRILL HOLE RECORD

| | | | |
|-------------|-----------|-------------|----------|
| HOLE NUMBER | RH18 | DRILLED BY | |
| PROJECT | | NORTHING | 5363402 |
| PROSPECT | | EASTING | 382403.6 |
| COMPANY | Aberfoyle | RL | 667.3 |
| LOGGED BY | | INCLINATION | -70 |
| COMMENCED | | AZIMUTH | 109.5 |
| FINISHED | | EOH | 356.8 |

PURPOSE

| |
|---|
| To test UTEM anomaly at 1050 – 1075mE on Line 84S. Target depth = 220m. |
| |
| |
| |

SURVEY DATA

| DEPTH | INC. | AZ. | DEPTH | INC. | AZ. | DEPTH | INC. | AZ. |
|-------|-------|-------|-------|-------|------|-------|------|-----|
| 0 | -70 | 109.5 | 181 | -59.2 | 93 | | | |
| 10 | -69.7 | 107 | 211 | -58.7 | 97 | | | |
| 40 | -68.4 | 107.5 | 241 | -57.7 | 97 | | | |
| 70 | -67 | 105.5 | 271 | -57 | 97 | | | |
| 91 | -63 | 95.5 | 301 | -56.7 | 96 | | | |
| 106 | -60.5 | 99 | 331 | -56 | 97 | | | |
| 121 | -60 | 99 | 356.8 | -55 | 94.5 | | | |
| 151 | -59.7 | 97 | | | | | | |

DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|------------|----------------------------|
| Tricone | 0 – 14 | PVC to end of hole |
| HW | 14 – 15 | 15m HW casing left in hole |
| HQ | 15 – 54 | |
| NQ | 54 – 356.8 | |

SUMMARY

| |
|---|
| Reference |
| McNeill, 1989. TCR 90-3023 |
| Noonan, 1990. TCR 90-3190 |
| Sharpe, 1993. TCR 93-3524, Plate L.Marg.19 |
| |
| Assays |
| Noonan, 1990. TCR 90-3190 (Cu, Pb, Zn, Ag, Au, Ba, As, Cr, Zr, Ti, Y) |
| |
| Petrology |
| Noonan, 1990. TCR 90-3190 Appendix IX |
| |
| Geophysics |
| DHEM - Noonan, 1990. TCR 90-3190. Appendix X |
| |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH18

SHEET 1 OF 18

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|------------------|---------------|---------|-------------|------------|---------------|-------------------|------------|
| | | | | | | | ROCK | ALTERATION |
| | PREFIX 917... | Cu Pb Zn | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | Tricene | | | | |
| 17 | 901 | 10 20 75 | | | | | GT1 LR7 S-6 | |
| REMARKS | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH18

SHEET 2 OF 18

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| | PREFIX | Cu Pb Zn | | | | | | |
| 2 | 901 | 10 20 75 | | | | | | |
| 8 | | | | | | | | |
| 9 | 902 | 10 10 70 | | | | | | |
| 17 | 903 | 10 35 85 | | | | | | |
| REMARKS | | | | | | | | |

673358

RGC EXPLORATION PTY LTD

DRILL HOLE No 2418

SHEET 3 OF 18

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|----|----|---------|-------------|------------|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | | | |
| 2 | 903 | 10 | 35 | 85 | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | 904 | 10 | 15 | 75 | | | | | | |
| 50 | | | | | | | | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | 905 | 10 | 10 | 80 | | | | | | |
| 8 | 75 | | | | | | | | | |
| 9 | | | | | | | | | | |

Q1-2-Ed Porphyry

CE1
LR7
SA-7

LR7B

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No 2418

SHEET 4 OF 18

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|----|-----|---------|-------------|------------|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | | | |
| 2 | 905 | 10 | 10 | 80 | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | 906 | 25 | 15 | 145 | | | | | | |
| 9 | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 1 | | | | | | | | | | |
| 2 | TS | | | | | | | | | |
| 3 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | 907 | 25 | 5 | 140 | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |

NO
NO
Wedge

Water loss
broken core

Cavity/Fault?

Matrix supported
v/c carb. & pink albite
LR7 = limestone clasts

Resembles Lynchford Tuff but
probably a bit less much qtz.

shaded hydrothermal (apill. v/c
(Central Complex)

← end of Ore (parent)
Wedge at 65.5
(Remains 140 to 145 then NO)

CE1
LR7B
SA-6

FAULT?

CE1
VR2.C
CA-6

VR2M

REMARKS

673359

RGC EXPLORATION PTY LTD

DRILL HOLE No RH18

SHEET 5 OF 18

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊗ Breccia
- ⊠ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY |
|------------|-----------|---------------|----|-----|---------|-------------|--------------------------|---------------|---------|
| | | Cu | Pb | Zn | | | | | |
| 1 | | | | | | | | | |
| 2 | 907 | 25 | 5 | 140 | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | 908 | 15 | 5 | 220 | | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | | | | | | | | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | | | | | | | | | |
| 16 | | | | | | | broken core (lost water) | | |
| 17 | | | | | | | | | |
| 18 | | | | | | | | | |
| 19 | 909 | 30 | 20 | 105 | | | | | |
| 20 | | | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH18

SHEET 6 OF 18

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊗ Breccia
- ⊠ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY |
|------------|-----------|---------------|-----|-----|---------|-------------|------------|---------------|---------|
| | | Cu | Pb | Zn | | | | | |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | 909 | 30 | 20 | 105 | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | 910 | 90 | 10 | 170 | | | | | |
| 11 | | | | | | | | | |
| 12 | | | | | | | | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | | | | | | | | | |
| 16 | 912 | 15 | 110 | 355 | | | | | |
| 17 | | | | | | | | | |
| 18 | | | | | | | | | |
| 19 | | | | | | | | | |
| 20 | | | | | | | | | |

REMARKS

673360

RGC EXPLORATION PTY LTD

DRILL HOLE No 2418

RGC EXPLORATION PTY LTD

DRILL HOLE No RH18

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 7 OF 18

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

SHEET 8 OF 18

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH METER | SAMPLE No | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | | | | | | GEOLOGY NOTES | SUMMARY | |
|---------------------|--------------|---------------|-----|-----|---------|----------------|------------|------|-----|------|-----|------|-------------------------|-----------------------|------------|
| | | Cu | Pb | Zn | | | SIL. | SER. | IR. | CHL. | SO. | ACT. | | ROCK | ALTERATION |
| 912 | 15 | 110 | 255 | | | | | | | | | | qtz-carb vein | | |
| 913 | 10 | 65 | 145 | | | | | | | | | | sheared qtz phytic lens | C.P I.R.L A.C-6 | |
| 130 | 716 | | | | | | | | | | | | | | |
| 7 | 914 | 60 | 135 | 335 | | | | | | | | | qtz-carb vein | C.O.S S.I.S | |

| HOLE DEPTH METER | SAMPLE No | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | | | | | | GEOLOGY NOTES | SUMMARY | |
|---------------------|--------------|---------------|------|----|---------|----------------|------------|------|-----|------|-----|------|------------------------------------|---------------------------|------------|
| | | Cu | Pb | Zn | | | SIL. | SER. | IR. | CHL. | SO. | ACT. | | ROCK | ALTERATION |
| 914 | 60 | 135 | 355 | | | | | | | | | | basalt (highly broken) | | |
| 916 | 110 | 550 | 750 | | | | | | | | | | blk siltstone | C.O.S S.I.S | |
| 150 | | | | | | | | | | | | | thinly bedded grey ashly siltstone | | |
| 917 | 45 | 500 | 2000 | | | | | | | | | | | C.O.S V.D.F.A S.I.S | |
| 918 | 35 | 220 | 390 | | | | | | | | | | | C.O.S S.I.S | |
| 919 | 65 | 400 | 1600 | | | | | | | | | | | C.O.S S.I.S | |

673361

RGC EXPLORATION PTY LTD

DRILL HOLE No RH18

SHEET 11 OF 18

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ▨ Broken core
- ▨ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|-----|-----|---------|-------------|--|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 210 | 923 | 30 | 135 | 320 | | | massive old phytic dante. poorly developed breccia texture (ch. f. in situ or pseudomorph) | Coal | LDF | AD-1 |
| | 924 | 30 | 155 | 375 | | | | Coal | LDF | |
| | 925 | 25 | 300 | 490 | | | | Coal | LDF | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH18

SHEET 12 OF 18

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ▨ Broken core
- ▨ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|------|------|---------|-------------|---|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| | 925 | 25 | 300 | 490 | | | | | | |
| | 926 | 55 | 450 | 1200 | * | | silicification with to amygdaloidal texture | Coal | LDF | AD-6 |
| 230 | 928 | 40 | 350 | 1550 | | | | Coal | LDF | AD-6 |
| | 929 | 30 | 65 | 135 | | | | | | |
| | 930 | 75 | 1250 | 2050 | | | | | | |
| | 931 | 130 | 4100 | 5550 | | | | | | |
| | 932 | 95 | 6750 | 9950 | | | | | | |
| | 933 | 55 | 4450 | 6650 | | | | | | |
| | 934 | 20 | 5750 | 3350 | | | | | | |
| | 935 | 30 | 555 | 340 | | | | | | |
| | 936 | 25 | 1500 | 1650 | | | | | | |
| | 937 | 25 | 700 | 1450 | | | | | | |
| 240 | 938 | 50 | 410 | 1150 | | | | | | |

REMARKS

673363

RGC EXPLORATION PTY LTD

DRILL HOLE No 2H18

SHEET 13 OF 18

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|------------------------|---------------|-----|------|--|---------|----------------|------------------------------------|------------------|---------|------------|
| | | Cu | Pb | Zn | | | | | | ROCK | ALTERATION |
| 718 | | | | | | | | andesitic - dacitic lava (massive) | | | |
| 750 | 938 | 50 | 410 | 1150 | | | | opt. carb vein | Cool | DP-1 | |
| | 939 | 45 | 460 | 995 | | | | | | | |
| 760 | 940 | 30 | 110 | 150 | | | | | | | |
| REMARKS | | | | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No 2H18

SHEET 14 OF 18

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|------------------------|---------------|-----|-----|--|---------|----------------|------------------------------------|------------------|---------|------------|
| | | Cu | Pb | Zn | | | | | | ROCK | ALTERATION |
| 718 | | | | | | | | Andesitic - dacitic lava - massive | | | |
| 770 | 940 | 30 | 160 | 150 | | | | | Cool | DP-1 | |
| | 941 | 38 | 10 | 85 | | | | | | | |
| 780 | 942 | 40 | 750 | 215 | | | | | | | |
| REMARKS | | | | | | | | | | | |

673364

RGC EXPLORATION PTY LTD

DRILL HOLE No 2418

SHEET 15 OF 18

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE PREFIX | ASSAY RESULTS | | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------|---------------|------|------|--|---------|-------------|------------|---------------|------------|------------|
| | | Cu | Pb | Zn | | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | | | | |
| 2 | | | | | | | | | | | |
| 3 | | | | | | | | | | | |
| 4 | 943 | 40 | 750 | 215 | | | | | | Ceol | PA-6 |
| 5 | | | | | | | | | | LDf | |
| 6 | | | | | | | | | | | |
| 7 | | | | | | | | | | | |
| 8 | 944 | 30 | 3000 | 1900 | | | | | | LDf | |
| 9 | 945 | 30 | 3050 | 3500 | | | | | | sil sils | |
| 290 | 946 | 55 | 5900 | 4950 | | | | | | | |
| | 947 | 100 | 2050 | 6850 | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | 948 | 90 | 3600 | 7650 | | | | | | | |
| | | | | | | | | | | | |
| | 949 | 130 | 3150 | 9100 | | | | | | | |
| | 950 | 105 | 570 | 7700 | | | | | | | |
| | 951 | 125 | 1150 | 4450 | | | | | | | |
| 300 | 952 | 800 | 235 | 350 | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No 2418

SHEET 16 OF 18

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH | SAMPLE PREFIX | ASSAY RESULTS | | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------|---------------|------|-----|--|---------|-------------|------------|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | | | ROCK | ALTERATION |
| 952 | 800 | 235 | 350 | | | | | | | | |
| 953 | 110 | 195 | 275 | | | | | | | | |
| 954 | 430 | 630 | 4800 | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | 955 | 15 | 95 | 180 | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 310 | 956 | 75 | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | 956 | 15 | 125 | 210 | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 320 | | | | | | | | | | | |

REMARKS

6733065

RGC EXPLORATION PTY LTD

DRILL HOLE No RH10

SHEET 17 OF 18

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | | | | | | GEOLOGY NOTES | SUMMARY | | | |
|------------|-----------|---------------|-----|-----|---------|-------------|------------|-----|----|-----|----|----|---------------|---------|------------|--|--|
| | | Cu | Pb | Zn | | | SIL | SER | OX | CHL | HA | SO | | ROCK | ALTERATION | | |
| 115 | 956 | 15 | 125 | 210 | | | | | | | | | | | | | |
| | 957 | 15 | 65 | 600 | | | | | | | | | | | | | |
| 330 | 958 | 20 | 315 | 275 | | | | | | | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH18

SHEET 18 OF 18

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | | | | | | GEOLOGY NOTES | SUMMARY | | | |
|------------|-----------|---------------|-----|-----|---------|-------------|------------|-----|----|-----|----|----|---------------|---------|------------|--|--|
| | | Cu | Pb | Zn | | | SIL | SER | OX | CHL | HA | SO | | ROCK | ALTERATION | | |
| | 958 | 20 | 315 | 275 | | | | | | | | | | | | | |
| | 959 | 50 | 40 | 90 | | | | | | | | | | | | | |
| 350 | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | TS | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | 950 | 120 | 250 | 95 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |

REMARKS

673366

GOLDFIELDS EXPLORATION DRILL HOLE RECORD

| | | | |
|-------------|-----------|-------------|---------|
| HOLE NUMBER | RH19 | DRILLED BY | |
| PROJECT | | NORTHING | 5363401 |
| PROSPECT | | EASTING | 382396 |
| COMPANY | Aberfoyle | RL | 667 |
| LOGGED BY | | INCLINATION | -80 |
| COMMENCED | | AZIMUTH | 277 |
| FINISHED | Jan 1990 | EOH | 237.3 |

PURPOSE

| |
|--|
| To test flat lying DHEM conductor detected in RH18 |
| |
| |
| |
| |
| |
| |

SURVEY DATA

| DEPTH | INC. | AZ. | DEPTH | INC. | AZ. | DEPTH | INC. | AZ. |
|-------|------|-----|-------|------|-----|-------|------|-----|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|---------|----------|
| Tricone | 0 - 5.3 | |
| | | |
| | | |
| | | |

SUMMARY

| |
|--|
| Reference |
| Noonan, 1990. TCR 90-3190 |
| Sharpe, 1993. TCR 93-3524, Plate L.Marg.19 |
| |
| Assays |
| Richardson, 1991. TCR 91-3308 (Cu, Pb, Zn, Ag, Au) |
| |
| |
| |
| |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH19 (Summary)

SHEET 1 OF 2

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊗ Breccia
- ⊞ Broken core
- ⋯ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|------------------------|---------------|---------|--|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 10 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |
| 20 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |
| 30 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |
| 40 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |
| 50 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |
| 60 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |
| 70 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |
| 80 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |
| 90 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |
| 100 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |
| 110 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |
| 120 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |
| 130 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |
| 140 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |
| 150 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |
| 160 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |
| 170 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |
| 180 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |
| 190 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |
| 200 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |

REMARKS _____

RGC EXPLORATION PTY LTD

DRILL HOLE No RH19 (Summary)

SHEET 2 OF 2

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊗ Breccia
- ⊞ Broken core
- ⋯ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------|------------------------|---------------|---------|--|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 210 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |
| 220 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |
| 230 | | | | 1 2 3 4 5 6 7 8 9 10 11 12 | | | | |

REMARKS _____

673368

RGC EXPLORATION PTY LTD

DRILL HOLE No RH19

SHEET 1 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ▣ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|-------------|------------|------|------|---------------|---------|------------|
| | | | | SIL | SEP. | PHY. | | ROCK | ALTERATION |
| 10 | | | Tricone | | | | | | |
| 70 | | | | | | | | 9-5 | 5-6 |
| REMARKS | | | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No RH19

SHEET 2 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ▣ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT : _____
 PROSPECT : _____
 DATE : _____
 LOGGED BY : _____

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | | | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|-------------|------------|------|------|---------------|---------|------------|
| | | | | SIL | SEP. | PHY. | | ROCK | ALTERATION |
| 30 | | | | | | | | | |
| 40 | | | | | | | | | |
| REMARKS | | | | | | | | | |

673369

RGC EXPLORATION PTY LTD

DRILL HOLE No R419

SHEET 3 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | ROCK | ALTERATION |
| 50 | | | | | | CH1 | LR7 |
| 60 | | | | | | S--6 | SA-6 |
| REMARKS | | | | | | | |

RGC EXPLORATION PTY LTD

DRILL HOLE No R419

SHEET 4 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH SAMPLE NO PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|-----------------------------------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | ROCK | ALTERATION |
| 70 | | | | | | CH1 | LR7 |
| 80 | | | | | uk ha off? | S--6 | SA-6 |
| REMARKS | | | | | | | |

673370

RGC EXPLORATION PTY LTD

DRILL HOLE No RH19
 SHEET 5 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ▒ Broken core
- ▒ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 970 | 35 | 10 60 | | | | | SAH6 | SAH6 |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH19
 SHEET 6 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊘ Breccia
- ▒ Broken core
- ▒ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|---------|-------------|------------|---------------|---------|------------|
| | | | | | | | ROCK | ALTERATION |
| 970 | 35 | 10 60 | | | | | SAH6 | SAH6 |
| 971 | 5 | 10 40 | | | | | SAH6 | SAH6 |
| 972 | 10 | 10 35 | | | | | SAH6 | SAH6 |
| 973 | 10 | 5 30 | | | | | SAH6 | SAH6 |

REMARKS

673371

RGC EXPLORATION PTY LTD

DRILL HOLE No RH19

SHEET 7 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | | | | | | GEOLOGY NOTES | SUMMARY | | |
|-----------------|------------------------|---------------|-----|-----|---------|----------------|------------|-----|----|-----|----|----|------------------|---------|------------|--|
| | | Cu | Pb | Zn | | | SIL | SER | PT | CHL | OP | VE | | ROCK | ALTERATION | |
| 10 | 973 | 10 | -5 | 30 | | | | | | | | | | | | |
| 15 | 974 | 15 | -5 | 35 | | | | | | | | | | | | |
| 30 | 975 | 10 | -5 | 35 | | | | | | | | | | | | |
| 10 | 976 | 10 | 215 | 490 | | | | | | | | | | | | |

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No RH19

SHEET 8 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊞ Breccia
- ⊞ Broken core
- ⊞ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH M | SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | | | | | | GEOLOGY NOTES | SUMMARY | | |
|-----------------|------------------------|---------------|-----|-----|---------|----------------|------------|-----|----|-----|----|----|------------------|---------|------------|--|
| | | Cu | Pb | Zn | | | SIL | SER | PT | CHL | OP | VE | | ROCK | ALTERATION | |
| 10 | 976 | 10 | 215 | 490 | | | | | | | | | | | | |
| 15 | 977 | 15 | 50 | 300 | | | | | | | | | | | | |
| 15 | 978 | 15 | 90 | 145 | | | | | | | | | | | | |

REMARKS

673372

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊗ Breccia
- ⊠ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|----|-----|---------|-------------|-------------|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | 979 | 25 | -5 | 155 | | | | | CEE | VR7M |
| 6 | | | | | | | | | | VR7M |
| 7 | | | | | | | | | | VR7M |
| 8 | | | | | | | | | | VR7M |
| 9 | | | | | | | broken core | | | VR7M |
| 10 | | | | | | | | | | VR7M |
| 11 | 980 | 45 | 10 | 220 | | | | | | VR7M |
| 12 | | | | | | | | | | VR7M |
| 13 | | | | | | | | | | VR7M |
| 14 | | | | | | | | | | VR7M |
| 15 | 981 | 25 | 25 | 155 | | | | | | VR7M |
| 16 | | | | | | | | | | VR7M |
| 17 | | | | | | | | | | VR7M |
| 18 | 982 | 15 | 75 | 210 | | | | | | VR7M |
| 19 | | | | | | | | | | VR7M |
| 20 | 983 | 15 | 5 | 245 | | | | | | VR7M |
| 21 | | | | | | | | | | VR7M |
| REMARKS | | | | | | | | | | |

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊗ Breccia
- ⊠ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO PREFIX | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|---------------------|---------------|-----|-----|---------|-------------|-----------------------------|---------------|---------|------------|
| | | Cu | Pb | Zn | | | | | ROCK | ALTERATION |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | 984 | 15 | -5 | 40 | | | | | | VR7M |
| 6 | | | | | | | | | | VR7M |
| 7 | | | | | | | | | | VR7M |
| 8 | | | | | | | | | | VR7M |
| 9 | | | | | | | | | | VR7M |
| 10 | 985 | 30 | 20 | 155 | | | | | | VR7M |
| 11 | | | | | | | | | | VR7M |
| 12 | | | | | | | | | | VR7M |
| 13 | 986 | 30 | 320 | 255 | | | blk siltst, strongly broken | | | VR7M |
| 14 | | | | | | | | | | VR7M |
| 15 | | | | | | | | | | VR7M |
| 16 | 987 | 35 | 400 | 165 | | | | | | VR7M |
| 17 | | | | | | | | | | VR7M |
| 18 | | | | | | | | | | VR7M |
| 19 | | | | | | | | | | VR7M |
| 20 | | | | | | | | | | VR7M |
| REMARKS | | | | | | | | | | |

673373

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|-----|-----|---------|--------------------|------------|---------------|---------|-------------|
| | | Ag | Pb | Zn | | | | | ROCK | ALTERATION |
| | 988 | 50 | 325 | 710 | | | | | CL5 | SILT |
| | 989 | 5 | 10 | 50 | | Q12 fill fau H? | | | VEIN | Q-A |
| 210 | 990 | 55 | -5 | 115 | | | | | CP | IR7 QA06 |
| | 991 | 5 | -5 | 270 | | | | 94- old vein. | | |
| | 992 | 75 | -5 | 115 | | | | | | |
| 220 | 993 | 10 | 5 | 115 | | | | | | |
| REMARKS | | | | | | | | | | |

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :
 PROSPECT :
 DATE :
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO | ASSAY RESULTS | | | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY | |
|------------|-----------|---------------|-----|-----|---------|-------------|------------|---------------|---------|------------|
| | | Ag | Pb | Zn | | | | | ROCK | ALTERATION |
| | 988 | 50 | 325 | 710 | | | | | CL5 | SILT |
| | 993 | 10 | 5 | 115 | | | | | | |
| 230 | | | | | | | | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | 994 | 35 | -5 | 90 | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 240 | | | | | | | | | | |
| REMARKS | | | | | | | | | | |

673374

46dve sample 220.0-220.2m