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EXPLORATION LICENCE

NO. 9/84 - LYNCHFORD

PROGRESS REPORT ON EXPLORATION ACTIVITY

MARCH 1991 TO JULY 1991

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JUNE 1991

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**CONTENTS:**Page

1. Summary and Conclusions
3. Recommendations
4. Target Concept and Objectives
5. Description of the Property and Ownership
6. Location and Access
7. History and Exploration to Date
9. Regional Geology
11. Geology of the Property
12. Mineralisation
13. Work Conducted by Perilya Mines
23. Exploration Potential

- Figure
1. Location
  2. Regional Geology
  3. Tenement Interpretive Geology
  4. Adit Geology - 1400N/112W
  5. Adit Geology - 1400N/80W, 190W and 200W
  6. Mineralization in access track to CRC-10
  7. N-S Section from CRC-2 to line 1550 N approx
  8. Mineralization in thin shears near CRC-2

- Enclosures
- |   |         |
|---|---------|
| 1. Sheet 1 - Soil Geochemistry - Gold           | 1:2,500 |
| 2. Sheet 2 - Soil Geochemistry - Gold           | 1:2,500 |
| 3. Sheet 1 - Soil Geochemistry - Arsenic        | 1:2,500 |
| 4. Sheet 2 - Soil Geochemistry - Arsenic        | 1:2,500 |
| 5. Rock Chip Geochemistry - Gold Anomaly 24:28N | 1:2,500 |
| 6. Detailed Geology - Coupon                    | 1:1,000 |
| 7. Soil Geochemistry - Gold - Coupon            | 1:1,000 |
| 8. Channel & Rock Chip Sampling - Gold - Coupon | 1:1,000 |
| 9. Drill Hole Locations - Coupon                | 1:1,000 |

- Appendix
1. Analytical Data Sheets - Analabs/Soils
  2. Analytical Data Sheets - Analabs/Rockchip/Channel
  3. Drill Hole Locations Cyprus - Actual.
  4. Reverse Circulation Drill Hole Logs - Perilya
  5. Diamond Drill Log + Section - Perilya
  6. Analytical Data Sheets - Analabs/Drill Core

## SUMMARY AND CONCLUSIONS

The tenement was thought to be prospective for Henty Style gold mineralization - structurally emplaced, as the Harvey Creek Fault was thought to be the southern extension of the Henty Fault. The Harvey Creek Structure ("HCS") has already been shown by previous explorers to be highly anomalous in both gold and arsenic.

The Lynchford tenement (EL 9/84) initially granted to Trikon International and later acquired by Montroyal Mining NL was subject to a joint venture with Cyprus Gold prior to the current joint venture between Montroyal and Perilya/Noranda being undertaken.

The 27 square kilometre licence is located 6 kilometres south west of Queenstown in a steep sided thickly vegetated valley which has been prospected since early this century. Modern exploration commenced in the early 1980's with reconnaissance sampling, mapping and regional geophysical surveys being completed. Cyprus Gold commenced more detailed surveys including gridding, geochemical sampling (soils, rock chip, channel) geological mapping and completed their programme with the drilling of 13 reverse circulation holes. The majority of these failed to adequately test their targets, some partially testing them and only CRC-3 fully testing a zone. The latter hole returned the highest gold values from their programme with 4 metres assaying 3.02 g/t Au + 0.51% As.

The geology of the prospect includes a mixed sandstone/shale/siltstone and limestone sequence folded into a series of NNW trending and shallowly plunging synclines and anticlines. The eastern edge of this folded zone is manifested by the large Harvey Creek Fault (Henty equivalent?) and its plethora of NW trending offshoots or barbs. These NW trending structures are intimately associated with the weak to moderate gold/arsenic responses and the HCS is considered to have acted as the plumbing system for the mineralized fluids.

Work by Perilya during the period enhanced the structural and geological knowledge of the area and after completing additional channel sampling surveys targeted the largest and the most anomalous shear for drilling. Hole LT-91-1 intersected the mapped shear zone at 45 metres downhole but failed to return anomalous gold values. The hole was terminated due to drilling problems prior to cutting. Results received covering the entire prospective zone, however, show there is very limited potential for the discovery of a moderate tonnage, high grade gold deposit at Coupon. Small high grade deposits may however, be found along the +4 Km long HCS as evidenced by Perilya's work at Anomaly 24:28N and also to the South of Coupon.



**RECOMMENDATIONS**

It is recommended that the Perilya Mines/Noranda joint venture not carry out further exploration at Lynchford.

**TARGET CONCEPT AND OBJECTIVES**

Folded, faulted and sheared Ordovician to Silurian aged sediments at Lynchford were considered to have potential to host economically significant gold mineralization.

The licence was thought to be prospective for Henty style gold mineralization in association with the large Harvey Creek Structure; the latter thought to be the equivalent to the southern strike extent of the Henty Fault. This style of deposit is of very high grade (+30 g/t au) with moderate tonnage and lies close to existing infrastructure at Queenstown.

A second type of mineralization sought was the 'Carlin Style'; a sediment hosted disseminated mineralization type associated again with major structures and reactive host sediments giving rise to moderate to large tonnage, low to moderate grade (3-10 g/t Au) deposits.

Both styles of mineralization were sought in the zone centred along the +4km long strike extent of the highly prospective Harvey Creek Structure (HCS) which has already been shown by previous explorers to be highly anomalous in both gold and arsenic.

**DESCRIPTION OF THE PROPERTY AND OWNERSHIP**

Exploration Licence 9/84 - Lynchford was first issued to Trikon International in July 1984 with Montroyal Mining NL acquiring the licence in July 1987. Cyprus Gold Australia Corporation entered into a joint venture on the property in April 1988 but failed to earn an interest in the tenement after two years work and withdrew from the venture in 1990.

The licence was reduced by 50% in July 1989 in accordance with the Mines Department regulations in the fifth licence year.

Subsequent to the Cyprus JV, Perilya Mines NL and Noranda Pty Ltd jointly entered into an agreement with Montroyal Mining NL in 1991 to acquire an interest in the property by completing detailed ground exploration surveys. Perilya Mines NL managed the exploration programme.

The 27 square kilometre licence has been renewed by the joint venturers for an additional 12 month period ending July 1992.

The tenement is comprised of unallocated Crown Land, minor State Forest, a small Timer Reserve (Woody Hill) and land vested in the Hydro Electric Commission.

#### LOCATION AND ACCESS

The Lynchford tenement is located 6 kilometres south west of Queenstown, the service centre for the Mount Lyell Copper Mine, and is readily accessed by the Lyell and Murchison highways and the Queenstown-Lynchford road, thence gravel road along the old Abt Railway formation (Fig.1).

Prospective areas lie in the steep valleys of Sulphide, Harvey and Gorings Creeks. Vegetation cover consists of dense Ti Tree and Blackwood regrowth scrub as well as wet sclerophyll and rain forest regrowth. The area was extensively cleared by logging and burning in the early part of the century.

An excellent power and water source is available in the area through the extensive hydroelectric schemes. The area has an annual rainfall of 250cm, the majority of which falls in the months of May through to August.

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## HISTORY AND EXPLORATION TO DATE

Previous exploration and prospecting activity has been outlined by R. Poltock in June 1987 for Trikon International. A summary of exploration completed by Trikon and Cyprus is as follows:

1984/85: Stream sediment sampling and reconnaissance geology was conducted in the eastern part of the licence. This work resulted in the location of several weak gold anomalies in the tributaries of Halls Creek (Poltock and Summons, 1985).

1985/86: Ground magnetics and soil geochemistry was conducted over the airborne anomaly in the southeast corner of the tenement; the anomaly is associated with a sliver of Cambrian volcanoclastics. The location of this magnetic anomaly and associated volcanoclastics lead to the recognition of a major fault zone, the Harvey Creek Fault (Poltock and Bishop, 1986).

1986/87: Soil geochemical traverses across the Harvey Creek Fault and adjacent old gold mining leases resulted in the location of the Coupon workings with rockchip assays to 3.6 ppm gold in pyritic shales.

1987/88: No exploration was undertaken, however the Exploration Licence was acquired by Montroyal Mining and joint ventured with Cyprus.

1988/89: Gridding, soil/rock geochemistry and geological mapping was completed over the 4 kilometre strike of the HCS and its surrounding sediment zone. Three gold/arsenic anomalies were outlined requiring additional work. The southern anomaly - Coupon Prospect, was tested with 13 reverse circulation drill holes and detailed channel sampling of drill access tracks. Most of the holes were abandoned prior to cutting the target zones and the best mineralization encountered was 24m @ 1.09 g/t Au + 0.25% As including 4m @ 3.02 g/t Au + 0.51% As in LT-89-CRC3. The detailed channel sampling returned significant gold values to 2.39 g/t over widths of 5 metres, with numerous values returning greater than 1 g/t Au (Poltock 1989).

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1989/90: Cyprus declined to continue exploration based on the inconclusive results obtained and Montroyal Mining NL sought a new joint venture partner.

1991: Perilya Mines NL and Noranda Pty Ltd entered into a joint venture with Montroyal.

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**REGIONAL GEOLOGY**

The Lynchford property lies within the western Tasmania mineral province. The oldest basement rocks are Precambrian metasediments, primarily quartzite and slates which outcrop in central and northwest Tasmania (Figure 2.).

During the Cambrian 550 million years ago, a rift structure developed in Tasmania's continental crust forming the Dundas Trough. A north-south trending arc of volcanoes developed along the eastern margin of the rift, forming the rhyolitic-andesitic Mount Read Volcanics. This volcanism was associated with the formation of the copper, lead, zinc, silver and gold deposits at Mt. Lyell, Hercules, Rosebery, Que River and Hellyer. West of the chain of volcanoes, volcanic detritus accumulated in the Dundas Trough, ultramafic complexes were emplaced within these Cambrian sediments. The ultramafics have been the source of minor platinoid, nickel and asbestos production.

During the late Cambrian-early Ordovician coarse conglomerates derived from the Precambrian basement were deposited in fault controlled basins, the thickest accumulations overlying the Central Volcanics of the Mt. Read Volcanics. These conglomerates formed the West Coast Range or Owen Conglomerate.

The structures controlling Cambro-Ordovician sedimentation are primarily north trending and include the Henty and Harvey Creek Faults. The recently discovered Henty Deposit (which includes 160,000 tonnes @ 91.2 g/t Au from the Henty Deep Zone) lies near the junction between three faults; the North and South Henty Faults and the Great Lyell Fault and is thought to be structurally controlled. The Harvey Creek Structure may be temporarily and partially related to the South Henty Fault (Figure 2.).

More laterally extensive sedimentation followed the fault controlled basal conglomerate with the deposition of the Ordovician to Devonian age sandstone, shale and limestones. The growth faults which controlled basal Ordovician sedimentation remained active during this period and are interpreted to be associated with mineralization in middle Ordovician Gordon Group limestone and shales such as that at Lynchford - Coupon Prospect.

Ordovician-Devonian sedimentation was followed by extensive Devonian granitoid intrusions and deformation associated with the Tabberabberan Orogeny. These two events are associated with tin and tungsten mineralization at Renison, Queen Hill, Mt. Bischoff, Cleveland, Kara; silver, lead, zinc mineralization at Zeehan/Dundas, Magnet and gold mineralization at Beaconsfield (northeast Tasmania).

Peneplanation associated with an early Permian icecap was followed by marine to freshwater Permo-Triassic sedimentation. This flat lying sequence was intruded by Jurassic dolerite sills associated with block faulting. Extensive erosion of these poorly indurated sediments and dolerites has occurred and remnants are preserved only as scattered outliers.

During the Tertiary, sedimentation was confined to near coastal areas and grabens. This was followed by the extrusion of flood basalts. Small placer deposits of cassiterite and gold occur in the sediments at North Heemskirk and Corinna.

## GEOLOGY OF THE PROPERTY

The Lynchford tenement covers a portion of Ordovician to Devonian basinal sediments, adjacent to, and overlying, the Cambrian Mount Read Volcanics. The mixed sandstone/shale and limestone sequences are folded into a series of NNW trending and shallowly plunging synclines and anticlines.

The prospective part of the property coincides with the structurally complex eastern edge of the syncline, which Cyprus interpreted as a regional growth fault. The NNW trending and (interpreted) steep E dipping fault, the HCS, has been delineated over a strike length of 4.5 kms and is roughly coincident with the mapped main anticlinal axis. This fault has been associated with Cambrian volcanism and Cambro-Ordovician sedimentation and is marked by sporadic gold mineralization along its entire length. A faulted sliver of andesitic volcanics within the Siluro-Ordovician sediments is associated with a magnetic anomaly in the SE corner of the tenement.

The Lynchford Tenement was previously mapped at both reconnaissance and detailed levels by Cyprus and others and this mapping is presented in Figure 3. at an approximate scale of 1:90,000. It also shows significant exploration features including folding, structures, historical gold workings and location of anomalous zones.

**MINERALIZATION**

Many historical gold/antimony prospects are present at Lynchford including the Davies, Rinadeena and Coupon Prospects, and alluvial workings are present in Gorings and Halls Creeks. Several significant gold/arsenic soil anomalies and many one point anomalies have been defined by Cyprus and Perilya/Noranda and are shown on Enclosures 1, 2, 3 and 4.

Mineralization which appears to be associated with the HCS - a major, long lived, hydrothermal plumbing system; is disseminated and shows close association with arsenopyrite and pyrite. Mapping has also shown that the mineralization is closely associated with faulting, folding, shearing zones of quartz veining and almost exclusively associated with the Rinadeena mudstone unit (Fig. 3.).

Although the Harvey Creek Structure is interpreted to have acted as the channel way for mineralizing fluids, no intrusives from which fluids may have been derived are present within the tenement. The closest granite is that at Zeehan (Devonian Heemskirk Batholith) some 40 kms to the north west.

To date single point rock chip values have returned values up to 21 g/t Au, however, the best composite channel samples to date have returned 5m @ 5.76 g/t Au and also 8m @ 2.32 g/t Au. The best drillhole results were obtained in LT-89-CRC3 which cut a 2m section assaying 4.10 g/t Au - associated with thin quartz veins within a fractured host and co-existing with arsenopyrite and pyrite. Encouraging float samples to 1.6 g/t Au were returned from a restricted zone coincident with Anomaly 24:28N (Enclosure 5.).

#### WORK CONDUCTED BY PERILYA MINES

Work conducted by Perilya during the 1990-91 licence years entailed line cutting, gridding, geochemical sampling (including soils, rock and channel sampling) detailed mapping (both geological and structural) and diamond drilling.

This work is detailed below and is supported by various Appendices and Enclosures to this report.

#### REGIONAL GRID EXPLORATION

##### Gridding:

The baseline was recleared allowing access north to the 24:28N anomaly and south to Line 9N. Further reclearing was completed on lines 13.5N, 14, 14.5N and 15N at the Coupon Prospect totalling approximately 750 metres. Lines 36, 38 and 40N were also recut in readiness for infill soil sampling.

Four new lines totalling 1400 metres (Lines 9, 11, 16AAN and 18N) were cut over the Coupon Prospect and its strike extensions. All new lines were slope corrected due to the short sharp inclines, however, old recut lines were not altered. The gridding was carried out by W. Alliston of Alliston Exploration, Boat Harbour. See Enclosures 1, 2, 3 and 4 for new grid line locations.

#### SOIL GEOCHEMISTRY

All recut and newly cut lines with the exception of 13.5, 14, 14.5 and 15N were soil sampled by W. Alliston at 25 metre intervals along lines. Some 95 hand auger samples were collected from the B/C horizon interface, however, on line 18N, four samples lying within thick swamp material were left unsampled - Enclosures 1, 2, 3 and 4.

Soil samples were dried, crushed, split and then pulverized to -200 mesh prior to assaying. Analabs Coee Tasmania analysed the samples for gold (method 313 - fire assay of 50 gm charge) and arsenic (method 101/114). Rock chip samples were analysed similarly.

Results from the geochemical sampling varied from erratic weak responses to moderate well defined anomalies (Appendix 1). More importantly the sampling has effectively covered the HCS at 200 metre intervals with the Coupon Prospect Section being infilled to both 100 and 50 metre intervals.

Lines 36, 38 and 40N located south of Davies Prospect returned only 2 weak, erratic spotty gold results assaying up to 0.06 g/t, with only very weak associated arsenic values.

Results from sampling immediately south of Coupon (Lines 9 and 11N) enhanced the geochemical anomalous trend with values up to 0.17 g/t Au being returned from a zone 350 metres long by 50 to 150 metres wide. Other parallel geochemical trends to the west are also apparent with coincident gold/arsenic responses of lesser magnitude but of similar areal extent.

Results from line 16AAN, which was designed to infill to 50 metre spacing the Coupon Prospect area, confirmed the marked break in geochemistry which mapping has shown to be associated with a major dislocation. Line 18N was designed to check for the continuation of the gold zone north east of 16BN (fault dislocated?) and its probable location on and south of Line 19N. Only weak; up to 0.045 g/t Au values were obtained.

Reconnaissance sampling on Line 24N and one sample directly over a collapsed adit 30 metres south of line 24N confirmed the existance of Anomaly 24:28N. The anomaly is 400m long and has maximum values of 0.255 g/t Au and 450 ppm As and is associated with a major ferruginous shear zone (HCS) evidenced in a recently discovery partially collapsed adit which cuts the southern most portion of the anomaly.

### ROCK CHIP GEOCHEMISTRY

Chip sampling over a 5 metre interval within the adit south of the 24:28N anomaly proved encouraging with gold values to 0.4 g/t being returned and arsenic to 450 ppm (Appendix 2). A further 7 composite rock chip samples were taken from the restricted headwaters of this zone, a number of which proved quite anomalous. A ferruginous float sample of creek debris at 24N returned 1.66 g/t Au and 1500 ppm As and weakly ferruginous friable sandstone near LN 26N returned 0.145 g/t Au and 1200 ppm As (Enclosure 5). Outcrop is extremely poor in this very steep portion of the prospect.

### DETAILED GRID EXPLORATION

#### Coupon Prospect:

Coupon is located on the southern part of the grid between grid co-ordinates 1300 - 1600 BN and 50E to 150W with a strike length of 450 metres centred on the old Coupon workings. Perilya's exploration programme was designed to assess the potential of this area after recognising the structural similarities of it to the recently discovered Henty Prospect to the north east. All of Cyprus' data was re-evaluated and detailed mapping, drill hole re-logging and sampling surveys completed. Geological mapping was completed at 1:1000 scale (predominantly road cuttings) on to a tape, compass and clinometer surveyed base plan. All 13 drill holes were re-logged (totalling 736 metres) and 4 adits were mapped at a scale of 1:250 (totalling 180 metres in length). Some minor rock chip sampling of specific sites was also carried out. Following this a diamond drill hole was completed to assess the widest and most anomalous portion of the mapped structures.

### GEOLOGY

The Coupon Prospect occurs within a folded and faulted sequence of Ordovician to Devonian sediments. The folds are NNW plunging and the Coupon Prospect is on an interpreted regional anticline. A NNW trending fault, the Harvey Creek Structure (HCS), bounds the Coupon Prospect to the east.

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The stratigraphy at the Coupon Prospect consists of the following sequence of rocks (from west to east respectively - see Enclosure 6:-

- laminated siltstones and shales (pink-grey)
- interbedded siltstones and quartzites (beds are 10cm thick - quartzites are possibly a result of silica alteration of siltstones)
- quartzites with phyllite (micaceous) partings (mainly clean very fine-grained quartz sandstones)
- quartz rich sandstones
- limonitic fine-grained sandstones (20cm beds)
- brown, gritty, poorly indurated sands (interpreted as weathered gritty limestones).

Schists are locally well developed in shear zones (schistose siltstones) and cataclastic quartz-vein breccias are common at faulted and sheared contacts.

### Structure

The stratigraphy at Coupon generally trends at 000° to 025°, dips steeply east, and is truncated by numerous NW trending shears and faults (see Figure 3, Enclosure 6). A bedding parallel schistosity is dominant, although a pervasive cross-cutting schistosity and fracture cleavage may well be developed in or near zones of deformation. Near shear zones, bedding may dip east or west, striking at 110° to 180°, as it tends towards parallelism with the shears. The main shears and faults generally dip 30° to 80° to the NE, dominantly have a reverse component of movement and may be splay off the Harvey Creek Structure.

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In the field, shears and faults are present as (see Figures 7 and 8):

1. Zones of cataclastic quartz, generally juxtaposing different lithologies;
2. Limonite/Fe-oxide rich shear planes (<20cm wide) cross cutting stratigraphy (these may be minor associated structures away from the main shears);
3. Zones of deep weathering to clays, indicating intense alteration;
4. Zones of weathered gritty sands with intense quartz veining and limonite alteration; and
5. Zones of schistose siltstones trending towards 110° to 140°.

Limonite (due to weathering of sulphides?) is pervasive in all recognized shear zones.

A competency contrast exists between siltstones and quartzites; the siltstones behave in a more ductile fashion during deformation, and have taken up much of the strain (becoming schistose and containing quartz veins parallel to schistosity), whereas quartzite units develop brittle fractures and contain flat dipping quartz veins (see Figures 7 and 8).

Recumbent to inclined-horizontal folds (open - close), with a slight southerly plunge, appear to be associated with shears or late kinking, but are a relatively minor feature.

Goring Creek may indicate the presence of a bounding structure to mineralization at the Coupon Prospect in the west (see Enclosure 6).

**GEOCHEMISTRY**

## Soils:

The soil geochemistry reinterpreted from Cyprus data is presented on Enclosure 7, contoured from 0.01 to +0.2 g/t Au and using a grid north south bias. The N-S bias has failed to mask the overpowering NW trending geological/structural bias manifest by three major anomalies:

1. trending NW from 13N @ 100E to 15.5N @ 100W;
2. trending NW from 13N @ 0E to 14.5N @ 100W;
3. trending NW from 13N @ 100W to 15.0N @ 175W.

Continuous Channel Samples

Gold geochemistry from numerous 5m channel samples (along the road cuts) taken by Perilya and Cyprus (see Enclosure 8) and selective samples taken in the 1400N/112W adit have allowed an interpretation of the controls of mineralisation in the Coupon area to be made.

The results show that all rocks at surface (that have been sampled) in the main Coupon area contain anomalous gold, but high grade values (> 1 g/t Au) are only present near major NW-trending shear zones (except at the northern end of the Coupon Prospect where no shear has been recognised although a major dislocation is presumed from offset geochemical trends). The highest Au values from channel sampling include; 5m @ 5.76 g/t Au (CRC 2 collar position), 8m @ 2.32 g/t Au (top access road to CRC 10), 25m @ 2.00 g/t (access road to CRC 10 - sampled oblique to the strike of schistosity), 10m @ 1.45 g/t Au and 5m @ 1.61 g/t Au (on the access road to CRC11), and 5m @ 1.49 g/t Au (CRC 7 collar position).

Selective rock chip sampling from within the adits showed the shears, faults and associated structures to be mineralized, with variable lower-grade mineralization in the surrounding host rocks.

## CONTROLS ON MINERALIZATION

Thirteen R.C. drill holes were drilled and analysed for Au and As by Cyprus (Enclosure 9). These were located (see Appendix 3) and logged (see Appendix 4) with particular attention being paid to vein intensity, alteration (limonite), massive Fe-oxides and mineralized intercepts. Significant mineralized intercepts and mineralisation styles are summarised in Table 1. Also, mapping road exposures and adits (Enclosure 6 and Figs. 4 and 5) in detail, and comparing this work with gold geochemistry derived from soil and channel sampling, has led to a better understanding of the controls of mineralization at Coupon.

Gold mineralisation and associated arsenic anomalism is apparently related to WNW-NW trending, NE dipping shear zones. Within and adjacent to these zones, mineralization is related to:

1. Quartz/Fe-Oxide veins with limonitic alteration halos: best intercept is 25m @ 2.00 g/t along the access road to CRC 10 - sampled oblique strike - see Figure 6;
2. Thin bedding-parallel quartz veins with limonite alteration halos (best intercept is 8m @ 2.32 g/t Au in sheared siltstone at the top of the access road to CRC 10);
3. Massive unindurated gritty sands with limonite fracturing and intense alteration, and patchy quartz veins (the best intercept is 5m @ 5.76 g/t Au at the CRC 2 collar position, probably the central part of the shear zone - see Figure 7);
4. Limonite/cataclastic-quartz fault planes: best intercept is 2m @ 1.48 g/t Au in the 1400N/112W addit - see Figure 4;
5. Epithermal style (crustiform banded) quartz veins with limonite alteration halos (relatively minor component of mineralization);
6. Fe-oxide rich fractures and shear planes (<20cm thick - see Figure 8.);
7. Flat dipping quartz veins in quartzite units (assay at about 0.2 g/t Au - see Figure 7.);

TABLE 1

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Mineralization in R.C. Drill Holes  
(See Appendix 4 for detailed logs)

Drill Hole	Thickness/Grade/Depth	As. ppm	Style/Host Rock
CRC13	3m @ 0.54g/t Au (22-25m)	1830	Quartz veining (1-15 vol%)/massive Fe-oxides (2-5%) and limonite alteration in siltstone. Hole approaching target sandstone unit.
CRC 9	4m @ 0.19g/t Au (18-22m)	505	Quartz veining (1-3 vol%)/massive Fe-oxides (2-5%) and limonite alteration in siltstone.
CRC 8	2m @ 0.29g/t Au (18-20m)	54	Quartz veining (2 vol%) and limonite alteration in siltstone.
	9m @ 0.11g/t Au (72-78m)	355	Quartz veining (5-15 vol%) in siltstone with minor disseminated pyrite.
CRC 3	8m @ 0.31g/t Au (0-8m)	1500	Quartz veining (2-15 vol%)/massive Fe-oxides (Tc-3 vol%) in limonitic siltstone.
	24m @ 0.93g/t Au (16-40m)	2600	Quartz veining (1-10 vol%) and disseminated and fracture related hydrothermal pyrite/arsenopyrite and vein selvage pyrite. Quartz veins are mainly parallel to schistosity in grey siltstone.
	6m @ 0.70g/t Au (48-54m)	2600	Quartz veining (5-20vol%) and disseminated and fracture related hydrothermal pyrite/arsenopyrite and vein selvage pyrite in grey siltstones. Possibly carbonate alteration.
CRC 2	2m @ 0.124g/t Au (14-16m)	3200	Quartz veined contact between sandstone and quartzite, Tc massive Fe-oxides.
	2m @ 0.385g/t Au	1700	Contact between fine powdery siltstone and hard quartz veined siltstone.
	2m @ 0.238g/t Au (40-42m)	680	Quartz veining (1-5 vol%)/ massive Fe-oxides (2-5 vol%) in siltstone.
CRC 5	12m @ 0.35g/t Au (12-24m)	920	Limonitic sandstone/siltstone and quartzite with quartz veins and massive Fe-oxides (unit control).
CRC11	4m @ 0.203g/t Au (42-46m)	525	Limonitic siltstone/quartzite unit with quartz veins (1-8 vol%) (unit control).
CRC 4	6m @ 0.478g/t Au (24-30m)	11	Limestone?/sandstone unit with Tc quartz veins
	4m @ 0.425g/t Au (50-54m)	10	Limestone?/sandstone unit with Tc quartz veins.

8. Some rock contacts; and
9. Some rock units - mineralization is usually low grade (<0.5 g/t Au) and the style may be replacement, but a relatively high percent of quartz veins and limonitic fractures are usually present.

The best mineralization intersected in R.C. drill holes was within a grey siltstone/shale sequence; 2m @ 4.10 g/t Au within an overall intercept (at a 0.1 g/t cutoff) of 24m @ 0.92 g/t Au in CRC-3. This intercept has gold associated with thin quartz veins (generally bedding parallel) and disseminated, fracture-hosted and vein-selvedge hydrothermal pyrite and arsenopyrite. Carbonate alteration and silicification is associated with some of the mineralisation. This style of mineralisation may also be related to NW trending shears. In the adit at 1400N/190W, a similar style of mineralization returned 2m @ 3.46 g/t Au.

There is little evidence to suggest a strong lithological control on mineralization though rock contacts and more permeable units, such as the limonitic sandstones and limestones and brittle-fractured quartzites, may provide a focus for mineralizing fluids away from shear zones: viz low grade values in CRC-1 and LT-91-1. However, associated mineralization is generally of a low grade (<0.5 g/t Au) unless other mineralizing features, such as quartz veins, are present. Some bedding parallel limonite fractures are associated with mineralization and possible silicification of siltstone units.

### Drilling

In order to test the structural model for the emplacement of the gold/arsenic mineralization a diamond drill hole was designed to test the largest and highest grade NW trending shear zone. To conduct this programme the access road from the Abt railway formation had to be upgraded allowing a Mindrill 66 sled mounted rig from Reiter Bros Exploratory Drilling to be dragged into position by earth moving contractor W. Lawson using a caterpillar D6 dozer.

The hole was positioned 12 metres north of CRC-1 and aligned at 230° grid with a declination of -60° (Enclosure 9). The hole was initially meant to be drilled to 15-20 metres in HQ then to the proposed depth of 80 metres in NQ3. Extremely bad drilling conditions meant the hole was completed to a final depth of 60.9 metres in HQ size where it was prematurely terminated by caving ground and eventually had to be abandoned at this depth. The hole intersected approximately 15 metres of the designated 30m target zone without encountering significant gold values (see Appendix 5).

A summary log showed the hole encountered a thick sequence of decarbonated carbonaceous, silty, pyritic, completely weathered Ordovician Gordon Limestone to 45.8 metres where it is in faulted contact with the Ordovician Rinadeena Mudstone unit. The Rinadeena Mudstone unit includes siltstones, shales, sandstones, and minor quartzites, all of which are highly weathered to completely weathered and have minor to moderate quartz/hematite veining with minor goerthite nodules also being present.

Low grade gold values to 0.15 g/t occur sporadically throughout the CW Limestone sequence consistent with those encountered in CRC-1, however, the target zone returned no gold with all values being <0.008 g/t. Recoveries in general through this zone were adequate to test the intersected target sequence yet the absence of any gold mineralization is somewhat enigmatic. Surface geochemistry consistently averaged 0.2 to 0.3 g/t over the equivalent section.

#### Summary

Gold-arsenic mineralization is associated with NW-WNW trending shear zones cross-cutting sedimentary lithologies at the Coupon Prospect. Gold is thought to be associated with vein and fracture related and disseminated pyrite/arsenopyrite throughout, though weathering to depths of +50m has altered sulphides to limonite and massive Fe-oxides. Recent mapping, rock chip sampling and a re-interpretation of the soil geochemistry has shown that drilling by Cyprus did not properly test the main targets.

0027

Holes CRC3, 8, 2 and 5 were effective in partially testing mineralised zones but only CRC 3 probably intercepted one of the newly recognised NW trending shear zones thought to control higher-grade (> 1 g/t Au) mineralization. Perilya's diamond drill hole (LT-91-1) also only partially tested the proposed target zone. However, nil gold from the partially tested section tends to downgrade the potential of this the largest of the major NW trending shears.



PERILYA DRILL HOLE LT-91-1

Looking NW over regrowth Ti Tree/  
Blackwood scrub on Coupon Ridge.

0029



Lowering water supply pump to creek level  
from Abt Railway Formation

0030

**EXPLORATION POTENTIAL**

After detailed ground surveys had been completed and data re-evaluated a diamond drill hole (LT-91-1) was designed to test the largest and highest grade shear zone at Coupon. The results of this hole showed that there was no significant potential for the discovery of a moderate tonnage high grade gold deposit to warrant the Perilya Mines/Noranda Pty Ltd joint venture to continue. There may be some potential for the location of small high grade gold deposits along the remaining portion of the HCS and its off-shoots, as evidenced by data gathered from Anomaly 24:28N. There may also be potential south and along the strike of Coupon as well.

1219PAJ

003.

APPENDIX 1

ANALYTICAL DATA SHEETS - SOILS/ANALABS



0032

# ANALABS

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

Analabs - A Division of Incharge Inspection & Testing Services

360033

Phone (004) 31 6837

14 Thirkell St. Coode Tas 7320

Fax (004) 31 6890

## ANALYTICAL REPORT No. 110600.60.07923

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

INVOICE TO:

Noranda Pty Ltd  
278 Stirling Highway  
CLAREMONT W.A. 6010

ORDER No.

PROJECT

P. Jones

Lynchford

DATE RECEIVED

RESULTS REQUIRED

17/04/91

ASAP

No. OF PAGES  
OF RESULTS

DATE  
REPORTED

No.  
OF COPIES

TOTAL No.  
OF SAMPLES

4

20/06/91

1

95

SAMPLE NUMBERS

SAMPLE DESCRIPTION

ELEMENT/METHOD

7901/95

SO Prep: BP005, BP009, BP011, BP016

Au, Au(R), Au(S)/GG313, Au/RAW, Au/Wt

727901/95

SO

As/GA114

7901/95

SO

As/GA101

REMARKS

RESULTS

TO

Mr. P Jones  
Noranda Pty Ltd  
P.O. Box 287  
KETTERING TAS 7155

RESULTS

TO

RESULTS

TO

AUTHORISED OFFICER

003.

## ANALABS

360034

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

## ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

PAGE

110600.60.08035

20/06/91

1 OF 2

TUBE No.	SAMPLE No.	AlI	AlI (R)	AlI (S)	As					
1	225939	0.010	-	-	40					
2	225940	0.016	-	-	80					
3	225941	0.089	-	-	45					
4	225942	0.076	-	-	10					
5	225943	0.110	-	-	5					
6	225944	0.140	-	-	150					
7	225945	0.080	-	-	110					
8	225946	0.074	-	-	120					
9	225947	0.152	-	-	160					
10	225948	0.102	-	-	170					
11	225949	0.076	-	-	150					
12	225950	0.070	0.068	-	75					
13	225951	0.050	-	0.050	50					
14	225952	0.078	-	-	110					
15	225953	0.040	-	-	90					
16	225954	0.040	-	-	70					
17	225955	0.010	-	-	60					
18	225956	0.020	-	-	120					
19	225957	0.062	-	-	150					
20	225958	0.036	-	-	300					
21	225959	0.120	-	-	200					
22	225960	0.114	0.116	0.114	170					
23	225961	0.012	-	-	120					
24	225962	0.012	-	-	85					
25	225963	<0.008	-	-	45					

Results in ppm unless otherwise specified

T = element present, but concentration too low to measure

X = element concentration is below detection limit

- = element not determined

AUTHORISED  
OFFICER

0034

## ANALABS

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

360035

## ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

PAGE

110600.60.08035

20/06/91

2 OF 2

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)	As				
1	225964	<0.008	-	-	75				
2	225965	<0.008	-	-	90				
3	225966	<0.008	-	-	100				
4	225967	<0.008	-	-	90				
5	225968	<0.008	-	-	170				
6	225969	<0.008	-	-	75				
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23	DETECTION	0.008	0.008	0.008	2				
24	UNITS	ppm	ppm	ppm	PPM				
25	METHOD	GG309	GG309	GG309	GX401				

Results in ppm unless otherwise specified

T = element present but concentration too low to measure

X = element concentration is below detection limit

- = element not determined

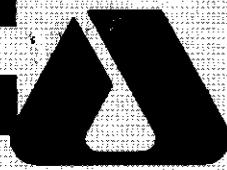
AUTHORISED  
OFFICER

0035

360036

APPENDIX 2

ANALYTICAL DATA SHEETS - ROCKCHIP & CHANNEL/ANALABS



0030

# ANALABS

360037

A Division of Incheape Inspection and Testing Services, Australia Pty Ltd

Analabs - A Division of Incheape Inspection & Testing Services

Phone (004) 31 8837

14 Thirkell St. Exces Tas 7320

Fax (004) 31 8890

## ANALYTICAL REPORT No. 110600.60.07896

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

**INVOICE TO:**

Noranda Pty Ltd  
 278 Stirling Highway  
 CLAREMONT W.A. 6010

**ORDER No.** P. Jones  
**PROJECT** Lynchford

**DATE RECEIVED** 09/04/91  
**RESULTS REQUIRED** ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
4	20/06/91	1	83

SAMPLE NUMBERS	SAMPLE DESCRIPTION	ELEMENT/METHOD
Various	RC Prep: GP005,GP009,GP011,GP018	Au,Au(R),Au(S)/GG313,Au/RAW,Au/Wt
Various	RC	As/GA114
Various	CS Prep: GP005,GP009,GP011,GP018	Au,Au(R),Au(S)/GG313,Au/RAW,Au/Wt
Various	CS	As/GA114
Various	RC	As/GA101

RESULTS TO	REMARKS
Mr. P Jones Noranda Pty Ltd P.O. Box 287 KETERING TAS 7155	

AUTHORISED OFFICER

# ANALABS

360038

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

0037

## ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

PAGE

110600.60.07896

20/06/91

P. Jones

1 OF 4

TUBE No.	SAMPLE No.	Au	Au(R)	Au(S)	As	As				
1	01	<0.005	-	-	12	-				
2	02	0.400	-	-	>100	450				
3	03	0.255	-	-	>100	450				
4	04	0.015	-	-	78	-				
5	05	0.025	-	-	>100	120				
6	06	<0.005	-	-	17	-				
7	07	1.660	-	-	>100	1500				
8	08	0.010	-	0.010	96	-				
9	09	<0.005	-	-	14	-				
10	10	0.145	-	-	>100	1200				
11	11	0.005	0.010	-	>100	110				
12	12	0.480	-	-	>100	1300				
13	13	0.350	-	-	>100	450				
14	14	0.055	-	-	>100	900				
15	15	0.120	-	-	>100	1500				
16	16	0.680	-	-	>100	1100				
17	17	0.590	-	-	>100	1000				
18	18	0.040	-	-	>100	190				
19	19	0.470	-	-	>100	6800				
20	20	0.135	-	-	>100	1200				
21	1-2	<0.005	<0.005	-	85	-				
22	2-3	0.080	-	0.080	64	-				
23	3-4	1.210	-	-	>100	900				
24	4-5	0.010	-	-	>100	280				
25	5-6	0.005	-	-	60	-				

Results in ppm unless otherwise specified  
 T = element present, but concentration too low to measure  
 X = element concentration is below detection limit  
 - = element not determined

AUTHORISED OFFICER \_\_\_\_\_

360039

0038

# ANALABS

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

## ANALYTICAL DATA

SAMPLE PREFIX      REPORT NUMBER      REPORT DATE      CLIENT ORDER No      PAGE

110600.60.07996      20/06/91      P. Jones      2 OF 4

TUBE No	SAMPLE No	Au	Au (R)	Au (S)	As	As			
1	6-7	0.130	-	-	32	-			
2	7-8	0.165	-	-	9	-			
3	9-10	0.015	-	-	>100	170			
4	1-11	0.005	-	-	54	-			
5	11-12	0.025	-	-	20	-			
6	12-13	0.055	-	-	100	-			
7	13-14	0.100	-	-	13	-			
8	14-15	0.080	-	-	85	-			
9	16-17	0.330	-	-	>100	480			
10	17-18	0.370	-	-	>100	350			
11	18-19	0.145	0.105	-	78	-			
12	19-20	0.110	-	-	6	-			
13	20-21	0.215	-	-	8	-			
14	21-22	0.370	-	-	18	-			
15	22-23	0.285	-	-	>100	450			
16	23-24	0.210	-	-	>100	290			
17	24-25	0.270	-	-	>100	800			
18	25-25a	0.195	-	-	>100	800			
19	26-27	0.245	-	-	>100	170			
20	27-28	0.160	-	-	>100	400			
21	28-29	0.385	0.370	-	>100	400			
22	29-30	0.225	-	-	8	-			
23	30-31	0.140	-	-	7	-			
24	31-32	0.190	-	-	37	-			
25	33-34	0.415	-	-	>100	900			

Results in ppm unless otherwise specified  
 T = element present, but concentration too low to measure  
 X = element concentration is below detection limit  
 - = element not determined

AUTHORISED OFFICER

0039

## ANALABS

360040

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

## ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

PAGE

110600.60.07896

20/06/91

P. Jones

3 OF 4

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)	As	As				
1	34-35	2.210	-	-	>100	2900				
2	35-36	2.340	-	2.260	>100	4000				
3	36-37	0.230	-	-	>100	500				
4	37-38	1.090	-	-	>100	500				
5	39-40	0.240	-	-	>100	2000				
6	40-41	0.115	-	-	>100	160				
7	41-42	0.315	-	-	>100	200				
8	42-43	0.250	-	-	19	-				
9	43-44	0.040	-	-	>100	230				
10	44-45	0.125	-	-	>100	250				
11	45-46	0.030	-	-	>100	140				
12	46-47	0.105	-	-	>100	460				
13	47-48	0.640	-	-	>100	1400				
14	48-49	0.085	-	-	>100	370				
15	49-50	0.570	-	-	>100	800				
16	50-51	0.915	0.930	-	>100	1800				
17	51-52	1.490	-	-	>100	1700				
18	52-53	0.595	-	-	>100	1400				
19	54-55	0.430	-	-	>100	1200				
20	55-56	0.145	-	-	>100	700				
21	56-57	0.690	-	-	>100	1800				
22	57-58	0.580	-	-	>100	1000				
23	59-60	0.075	-	-	>100	330				
24	59a-b	0.145	-	0.140	>100	230				
25	60-61	0.025	-	-	>100	1000				

Results in ppm unless otherwise specified  
 T = element present, but concentration too low to measure  
 X = element concentration is below detection limit  
 - = element not determined

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OFFICER

# ANALABS

360041

A Division of Inotcape Inspection and Testing Services Australia Pty Ltd

0040

## ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

PAGE

110600.60.07896

20/06/91

P. Jones

4 OF 4

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)	As	As			
1	62-63	0.030	0.020	-	>100	600			
2	64-65	0.325	-	-	>100	2000			
3	66-67	0.115	-	-	>100	1000			
4	68-69	5.960	-	-	>100	600			
5	69-70	1.720	-	-	>100	2100			
6	71-72	1.100	-	-	>100	1600			
7	73-74	0.010	-	0.015	100	-			
8	74-75	0.005	-	-	92	-			
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23	DETECTION	0.005	0.005	0.005	1	100			
24	UNITS	ppm	ppm	ppm	ppm	ppm			
25	METHOD	GG313	GG313	GG313	GA114	GA101			

Results in ppm unless otherwise specified  
 T = element present, but concentration too low to measure  
 X = element concentration is below detection limit  
 - = element not determined

AUTHORISED  
OFFICER

0041

360042

APPENDIX 3

DRILL HOLE LOCATIONS/ACTUAL - CYPRUS DRILLING

## APPENDIX 3

## Hole Locations:

Hole locations are shown on the geological map (Enclosure 9). The original Cyprus base plan and hole locations were erroneous, with distance between sections and drill-holes along a fence being incorrect by as much as 20m. Drill holes were recorded as being drilled on E-W sections, but several holes were not; a list of bearings surveyed in the field with a Brunton, follows:-

CRC 1	090° *	CRC 7	080°	CRC 13	090°
CRC 2	270° *	CRC 8	255°		
CRC 3	265°	CRC 9	270°		
CRC 4	090°	CRC 10	090°		
CRC 5	258°	CRC 11	270°		
CRC 6	090°	CRC 12	074°		

\* Drill hole collars not found

APPENDIX 4

REVERSE CIRCULATION DRILL HOLE LOGS - PERILYA

# R.C. DRILL HOLE LOG

SHEET 1 OF 4

COLLAR CO-ORDS 15 N 3 E R.L. ....

STARTED .....

TOTAL DEPTH 64 m

COMPLETED .....

ZONE COUPON .....

BEARING 090 GRD

DRILLED BY .....

INCLINATION -65

RELOGGED BY J.M. GROVES

LAST AMENDED .....

HOLE No CRC 1  
LT 89

004

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)															
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe Ox	DISS Fe Ox									Au	As											
0	1	Δ							10																															
1	2	Δ													Q	20						50	50																	
2	3	Δ																																						
3	4	Δ	Qc												Q	1						50	70			294401	0.169	130												
4	5	Δ													Q	5						50	50			294402	0.154	120												
5	6	Δ																				50	40																	
6	7	Δ																				50	40			294403	0.068	80												
7	8	Δ																				50	50																	
8	9	█	LST?			Gy		F	10												2	70			294404	x	12													
9	10	█				Gy		F	9												0	70																		
10	11	█	LSZ			Gy		F	9												0	80			294405	0.015	7													
11	12	█				Gy		F	9						Q	Tc					3	90																		
12	13	█				Gy		F	9												0	80			294406	x	47													
13	14	█				Gy		F	9						Q	Tc					2	80																		
14	15	█				Gy	S	F	9	Lm	1				Q	Tc					1	50			294407	x	110													
15	16	█	LST?			Gy	S	F	9	Lm	0				Q	Tc					2	80																		
16	17	█	LSZ			Gy	S	F	9	Lm	1				Q	Tc	Tr				1	80			294408	x	120													
17	18	█				Y		F	9	Lm	1				Q	Tc					Tc	90																		
18	19	█				Y		F	9	Lm	1				Q	Tc	Tr				Tc	90			294409	0.017	300													
19	20	█				Y		F	9	Lm	1				Q	Tc	Tr				Tc	80																		

360045



# R.C. DRILL HOLE LOG

SHEET 3 OF 4

COLLAR CO-ORDS 15 N 3 E  
 TOTAL DEPTH 64 m  
 ZONE COUPON

STARTED .....  
 COMPLETED .....  
 BEARING 090 GRD DRILLED BY .....  
 INCLINATION -65 RELOGGED BY J.A. GROVES

0040

HOLE No CRC 1  
 LT 89

LAST AMENDED

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)			
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE FeO <sub>2</sub>	DISS FeO <sub>2</sub>	Type					Vol %	Au	As	
40	41		P			R/Br		F	S	Lm	5			Q	1						2	50	294420	0.021	240			
41	42					R/Br		F	S	Lm	5				Q	1		1				2		80				
42	43			LST?			Br		F	S	Lm	4			Q	1		1				-		294421	0.017	210		
43	44					Br		F	S	Lm	4				Q	1		1				3	30					
44	45					Y/Br		F	S	Lm	2											-		294422	x	140		
45	46					Y/Br		F	S	Lm	2											-	50					
46	47					O/Br		F	S	Lm	1											-	90	294423	x	140		
47	48					O/Br		F	S	Lm	1											-	10					
48	49			P		Y/Br		F	S	Lm	1											-	20	294424	x	40		
49	50			LST?		Y/Br		F	S	Lm	1											-	30					
50	51				Y/Br		F	S	Lm	1											-	10	294425	x	160			
51	52				Y/Br		F	S	Lm	2				Q	Tc		Tc				-	10						
52	53				Y/Br		F	S	Lm	2				Q	Tc		Tc				-	10						
53	54				Y/Br		F	S	Lm	2											-	10	294426	x	200			
54	55				Y/Br		F	S	Lm	3				Q	Tc						-	20						
55	56		P		Br		F	4	Lm	4											2	20	294427	x	540			
56	57		LST?		Br		F	4	Lm	4							1				-	20						
57	58				Br		F	4	Lm	4							Tc				-	30	294428	x	610			
58	59				Br/O		F	4	Lm	4							Tc				1	20						
59	60																					-		294429	x	160		

360047



# R.C. DRILL HOLE LOG

SHEET 1 OF 4

COLLAR CO-ORDS 15 N 25 W R.L. ....

STARTED .....

TOTAL DEPTH 66 m

BEARING 270 GRD

COMPLETED .....

ZONE COUPON

INCLINATION -55

DRILLED BY .....

RELOGGED BY J.M. GROVES

HOLE No CRC 2  
LT 89

LAST AMENDED .....

0040

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION			NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)			
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe Ox	DISS Fe Ox					Au	As		
0	1	Δ							10											5	50	} 294431	20	48			
1	2	Δ	Qc																								
2	3	Δ							5	L	S									2	80	} 294432	0.232	120			
3	4					R Br	3	F	5	L	S		Q	3		3			5	70							
4	5					R Br	3	F	5	L	S		Q	10		10			35	90	} 294433	0.028	690				
5	6					R Br	3	3	6	L	S		Q	2		10	massive brown Ln. fragments		35	80							
6	7					R Br	3	3	6	L	2		Q	20		1			30	90	} 294434	0.052	820				
7	8		SS?			R Br	3	3	6	L	6		Q	Tc					50	90							
8	9					R Br	3	3	6	L	5		Q	10					40	90	} 294435	0.078	2200				
9	10					R Br	3	3	6	L	6		Q	2					40	60							
10	11					R Br	3	3	6	L	6								40	60	} 294436	0.036	1900				
11	12					R Br	3	3	6	L	6								40	70							
12	13					R Br	3	3	6	L	6		Q	Tc					40	70	} 294437	0.093	2900				
13	14					R Br	3	3	6	L	7		Q	Tc					40	70							
14	15					R Br	3	3	5	L	6		Q	10			Tc black FeOx		40	80	} 294438	0.124	3200				
15	16					R Br	3	F	3	L	2		Q	2					40	80							
16	17					R Br	3	F	2	L	1		Q	3			weak cleavage		40	80	} 294439	0.046	1600				
17	18		QTZ			R Br	3	F	2	L	1		Q	3					40	90							
18	19					R Br	3	F	2	L	1		Q	3					10	100	} 294440	0.013	550				
19	20					R Br	3	F	2	L	4		Q	2					5	100							

360049

# R.C. DRILL HOLE LOG

SHEET 2 OF 4

HOLE N° CRC 2  
LT 84

COLLAR CO-ORDS 15 N 25 W R.L. ....  
TOTAL DEPTH 66 m  
ZONE COUPON .....

STARTED .....  
COMPLETED .....  
BEARING 270 GRD DRILLED BY .....  
INCLINATION -55 RELOGGED BY I.M. GROVES

011  
3700  
LAST AMENDED

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION			NOTES	% CHIPS	RECOVERY	SAMPLE N°	ASSAYS (ppm)					
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe Ox	DISS Fe Ox					Type	Type	Au	As		
20	21		SZ			Gy	S	2	F	1					Q	Tc				0	100	294441	x	230					
21	22			Gy	S	2	F	1							Q	Tc				5	60		294442						
22	23			Gy			F	1							Q	S	Tc			5	100	x		180					
23	24			Gy			F	1							Q	Tc				Tc	100	294443							
24	25		Gy			F	1							Q	Tc	Tc			Tc	100	0.043			210					
25	26		P SZ?			Gy	S	3	F	1					Q	Tc	Tc			Tc	100	294444	x	170					
26	27			Gy			F	-												0	100		294445						
27	28			Gy			F	-												0	100	294446							
28	29			Gy			F	-												0	100			0.385	1700				
29	30					Gy	S	1	F	Tc	Lm	1	Sil	1	Q	3	Tc			5	100	294447							
30	31					Gy	S	1	F	Tc	Lm	1	Sil	1	Q	3	Tc			3	90		0.078	380					
31	32		SZ			Gy			F	Tc					Q	3	Tc			3	90	294448							
32	33			Gy			F	Tc	Lm	1					Q	1				2	90		x	170					
33	34			Gy			F	Tc	Lm	1					Q	2	Tc			5	100	294449							
34	35			Gy			F	Tc	Lm	1					Q	4	Tc			5	100		x	190					
35	36					Gy			F	Tc	Lm	1			Q	8	Tc			10	100	294450							
36	37					Br			F	Tc	Lm	1							1	100	x		32						
37	38		P SZ?			R/Br			F	Tc	Lm	1								0	100	294450							
38	39			Br.			F	Tc	Lm	1										0	100		x	66					
39	40			Br.			F	Tc	Lm	1										0	100								

360050

# R.C. DRILL HOLE LOG

SHEET 3 OF 4

COLLAR CO-ORDS 15 N 25 W R.L. ....

STARTED .....

TOTAL DEPTH 66 m

COMPLETED .....

BEARING 270 6410

DRILLED BY .....

HOLE No CRC 2  
LT 89

ZONE COUPON

INCLINATION -55 RELOGGED BY J.M. GROVES

ACFO

LAST AMENDED .....

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)							
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe Ox	DISS Fe Ox	Type					Py	MASSIVE Fe Ox	DISS Fe Ox	Au	As			
40	41		SZ			Y/Br	S	3	F	2	L <sub>1</sub>	1			Q	S						10	60	306351	0.238	680						
41	42					Y/Br	S	3	F	2	L <sub>1</sub>	2				Q	1						2		60							
42	43					Br	S	3	F	2	L <sub>2</sub>	2				Q	1						2	80	306352	0.053	200					
43	44					Br/Gy	S	3	F	2	L <sub>2</sub>	1				Q	Tc						5	90								
44	45					Gy	S	3	F	1													3	100	306353	x	30					
45	46					Gy	S	5	F	1													2	100								
46	47					Gy	S	4	F	1														100	306354	x	16					
47	48					Gy	S	4	F	1													5	100								
48	49				SZ			Gy	S	4	F	1												5	100	306355	x	15				
49	50					Gy	S	4	F	1													5	90								
50	51			Gy	S	4	F	1														1	90	306356	x	14						
51	52																															
52	53			Gy	S	4	F	-							Q	S						10	80	306357	x	19						
53	54																															
54	55			Gy	S	4	F	-														5		306358	x	14						
55	56		SZ																													
56	57																							306359	x							
57	58			Gy/Br	S	4	F	-														5										
58	59			Br																				306360	x	21						
59	60			Br																												

Wet clayey samples  
not logged continuously

360051

# R.C. DRILL HOLE LOG

SHEET 4. OF 4.

COLLAR CO-ORDS 15 N 25 W R.L. ....

STARTED .....

TOTAL DEPTH 66 m

COMPLETED .....

BEARING 270 GRD

DRILLED BY .....

ZONE COUPON

INCLINATION -55

RELOGGED BY J.M. Groves

LAST AMENDED .....

HOLE No CRC 2  
LT 89

0001

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION			NOTES	% CHIPS	RECOVERY	SAMPLE NO	ASSAYS (ppm)								
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe <sub>2</sub> O <sub>3</sub>	DISS Fe <sub>2</sub> O <sub>3</sub>													
60	61	[Hand-drawn log symbols]	S2			Br/ky	S	S	F	-											1	60	} 306361	X	15							
61	62																					1		50								
62	63																						1	80	} 306362	X	17					
63	64																						1	60								
64	65																							1	70	} 306363	X	14				
65	66					ky	S	S	F	-											10	60										

360052





# R.C. DRILL HOLE LOG

SHEET 3 OF 4

HOLE No CRC 3  
LT 89

COLLAR CO-ORDS 15 N 80 W R.L. ....  
TOTAL DEPTH 66 m  
ZONE COUPON .....

STARTED .....  
COMPLETED .....  
BEARING 265 GR10 DRILLED BY .....  
INCLINATION -55 RELOGGED BY J.M. GROVES

LAST AMENDED  
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DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)				
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py - As <sub>2</sub> S <sub>3</sub>	MASSIVE Fe <sub>2</sub> O <sub>3</sub>	DISS Fe <sub>2</sub> O <sub>3</sub>	Type					Vol %	Au	As		
40	41		S2 (gy)			Gy	S	3	F	-					Q	6					20	100	306384	0.061	140				
41	42			Gy	S	3	F	-													20	100							
42	43			Gy	S	3	F	-													30	100	306385	0.007	55				
43	44			Gy	S	3	F	-							Q	1					10	100							
44	45			Gy	S	2	F	-							Q	1					20	100	306386	0.043	130				
45	46			Gy	S	2	F	-							Q	10					50	100							
46	47			Gy	S	2	F	-	Sil <sup>2</sup>						Q	1					20	100	306387	0.025	61				
47	48			Gy	S	2	F	-	Sil <sup>1</sup>						Q	1					20	100							
48	49			S2 (gy)			Gy	S	2	F	-	Sil <sup>1</sup>			Q	5	Tc				20	100	306388	0.172	580				
49	50				Gy	S	2	F	-	Sil <sup>1</sup>		Lm	Tc		Q	10	Tc				30	100							
50	51		Gy/Lm		S	1	F	-	Sil <sup>1</sup>		Lm	Tc		Q	7	0.1				40	100	306389	0.928	3200					
51	52		Gy	S	1	F	-	Sil <sup>2</sup>					Q	15	Tc				50	100									
52	53		Gy	S	1	F	-	Sil <sup>3</sup>		Lm	Tc		Q	15	0.1				30	100	306390	1.000	3900						
53	54		Gy	S	1	F	-	Sil <sup>3</sup>					Q	20					60	80									
54	55		S2 (gy)			Gy	S	2	F	-	Sil <sup>2</sup>			Q	5					10	80	306391	0.067	270					
55	56			Gy	S	2	F	-	Sil <sup>2</sup>					Q	3					20	100								
56	57			Gy	S	2	F	-	Sil <sup>2</sup>					Q	Tc					15	100	306392	0.011	63					
57	58			Gy	S	2	F	-	Sil <sup>1</sup>					Q	1					20	100								
58	59		Gy	S	1	F	-	Sil <sup>1</sup>					Q	3					20	100	306393	0.040	190						
59	60		Gy	S	1	F	-	Sil <sup>1</sup>					Q	5					15	100									

360052

# R.C. DRILL HOLE LOG

COLLAR CO-ORDS 15 N 80 W  
 TOTAL DEPTH 66 m  
 ZONE CoupoN

STARTED .....  
 COMPLETED .....  
 BEARING 265 GRD DRILLED BY .....  
 INCLINATION -55 RELOGGED BY J.M. Groves

HOLE No CRC 3  
LT 89

1000

LAST AMENDED  
 .....

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)				
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe <sub>2</sub> O <sub>3</sub>	DISS Fe <sub>2</sub> O <sub>3</sub>										Au
60	61	[Hatched]	S2 (gy)			Gy	S	2	F	-	Sil <sup>2</sup>	2			Q	10					20	100	306394	0.119	430				
61	62			Gy	S	2	F	-	Sil <sup>2</sup>	2			Q	15							50	100							
62	63			Gy	S	2	F	-	Sil <sup>3</sup>	3	Lm	1	Q	15					vein surface limonite		40	100	306395	0.075	110				
63	64			Gy	S	2	F	-	Sil <sup>2</sup>	2			Q	20							50	100							
64	65			Gy	S	2	F	-					Q	1							10	100	306396	0.009	78				
65	66			Gy	S	2	F	-					Q	1							10	100							

360056

# R.C. DRILL HOLE LOG

COLLAR CO-ORDS 13 N 50 W R.L. ....  
 TOTAL DEPTH 69 m  
 ZONE COUPON

STARTED .....  
 COMPLETED .....  
 DRILLED BY .....  
 RELOGGED BY J.M. GROVES

0000

HOLE No CRC 4  
LT 89

LAST AMENDED .....

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineral-ogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)			
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE F <sub>2</sub> O <sub>3</sub>	DISS F <sub>2</sub> O <sub>3</sub>	Type					Py	Type	Intensity	Au
0	1	P	Qc											Q	1						2	40	306397	0.030	11			
1	2	P	Qc																									
2	3					W	3	3	9					Q	Tc						2	60	306398	0.065	17			
3	4					L.Br								Q	1	1					2	50						
4	5		SS?			L.Br	M	3	8					Q	1						3	30	306399	0.050	5			
5	6					L.Br		3	5					Q	1						2	50						
6	7					L.Br		3	3					Q	Tc						1	70	306400	0.050	2			
7	8		P			W															0	70						
8	9		SS?			W															0	90	306401	0.035	3			
9	10					O.Br	M	3	3					Q	Tc	Tc					5	70						
10	11		QTZ-SS			O.Br	M	3	3					Q	Tc	4					5	50	306402	0.035	20			
11	12					L.Br	M	3	3	Lm Tc				Q	1						5	60						
12	13					D.Br	M	3	3												15	60	306403	0.055	5			
13	14					D.Br	M	3	3												15	30						
14	15					D.Br	S	3	F	5											20	60	306404	0.040	4			
15	16					D.Br	M	3	5							Tc					60	60						
16	17		QTZ-SS			D.Br	M	3	5												60	70	306405	0.035	16			
17	18					D.Br	M	3	5												30	60						
18	19					Br	M	3	6	Lm	7										40	70	306406	0.045	19			
19	20					Br	M	3	6	Lm	8					5					50	70						

360057



# R.C. DRILL HOLE LOG

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COLLAR CO-ORDS 13 N 50 W R.L. ....  
 TOTAL DEPTH 69 m  
 ZONE COUPON .....

STARTED .....  
 COMPLETED .....  
 DRILLED BY .....  
 RELOGGED BY J.A. GROVES

LAST AMENDED .....

HOLE No CRC 4  
LT 89

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION			NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)					
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE FeOx	DISS FeOx					Type	Vol %	Au	As		
40	41	/	SS-QTZ			0	3	3	S	Lm	1			Q	1						2	100	30647	0.070	110				
41	42			0	3	3	S					Q	Tc								2	100							
42	43			0	3	3	S	Lm	5			Q	1	4							5	100	30648	0.090	330				
43	44			0	3	3	4	Lm	3			Q	1	Tc							4	100							
44	45			0	3	3	3	Lm	2			Q	Tc								3	100	30649	0.050	110				
45	46			0	3	3	3	Lm	1			Q	Tc								5	100							
46	47	W	3	3	3	Lm	Tc			Q	2								5	100	306420	0.030	110						
47	48	SZ/	QTZ	W	5	2	F	1	Lm	Tc									5	80									
48	49	L.Br	5	2	F	1	Lm	Tc		Q	2	Tc							6	80	306421	0.045	64						
49	50	Gy	3	F	1	Lm	Tc			Q	3								6	90									
50	51	Gy	3							Q	1	Tc							5	20	306422	0.500	10						
51	52	Gy	3							Q	1								2	20									
52	53	Gy	3							Q	Tc	1	Tc						10	20	306423	0.355	20						
53	54	Gy	3							Q	1	1							10	20									
54	55	Gy	3							Q	2	1							10	20	306424	0.085	15						
55	56	Gy	3			Lm	Tc			Q	2	Tc							10	20									
56	57	Gy	3							Q	3	1							10	90	306425	0.150	20						
57	58	Gy	3							Q	2	Tc							3	70									
58	59	Gy	3							Q	Tc	Tc							3	90	306426	0.015	4						
59	60	Gy	3			Lm	Tc			Q	1								3	100									

360059

# R.C. DRILL HOLE LOG

SHEET 4 OF 4

COLLAR CO-ORDS 13 N 50 W R.L. ....

STARTED .....

TOTAL DEPTH 69 m

BEARING 090 GRID

COMPLETED .....

ZONE COOPON

INCLINATION -60 RELOGGED BY J.M. Groves

DRILLED BY .....

HOLE No CRC 4  
4T 89

LAST AMENDED

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DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE N°	ASSAYS (ppm)					
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Val %	Py	MASSIVE Fe Ox	DISS Fe Ox	Type					Type	Au	As			
60	61		P			ly	M	F	-					Q	Tc						1	90	306427	0.045	8					
61	62					ly		F	-													Tc				100				
62	63					ly		F	-						Q	Tc						1	100	306428	0.070	6				
63	64					ly		F	-						Q	Z						2	70							
64	65					ly		F	-						Q	Tc						Tc	90	306429	0.050	3				
65	66					ly		F	-						Q	I						1	90							
66	67					ly		F	-						Q	Tc			Tc			1	40	306430	0.040	4				
67	68					ly		F	-						Q	Tc						Tc	30							
68	69					ly		F	-						Q	Tc			Tc			1	100	306431	0.040	8				

360060





# R.C. DRILL HOLE LOG

COLLAR CO-ORDS 14 N 60 W R.L. ....  
 TOTAL DEPTH 45 m  
 ZONE COUPON

STARTED .....  
 COMPLETED .....  
 BEARING 268 GR10 DRILLED BY .....  
 INCLINATION 760 RELOGGED BY J.M. GROVES

0063

HOLE No CRC 5  
 LT 89

LAST AMENDED

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)				
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe Ox	DISS Fe Ox	Type					Vol %	Au	As		
40	41				Gy	S	S	F	1	Lm	1			Q	1		Fe				10	60	294460	0.032	120				
41	42				Gy	S	S	F	2	Lm	1						Fe				10	70							
42	43		SZ		Gy	S	4	F	2	Lm	1										10	60	294461	x	160				
43	44		(Gy)		Gy	S	4	F	2	Lm	1										5	60							
44	45				Gy	S	4	F	2	Lm	1			Q	2		Fe				5	70							

360063

# R.C. DRILL HOLE LOG

SHEET 1 OF 3

COLLAR CO-ORDS 13.5 N 116 W R.L. ....

STARTED .....

TOTAL DEPTH 48 m

COMPLETED .....

ZONE COUPON .....

BEARING 090 GR10

DRILLED BY .....

INCLINATION -55 RELOGGED BY J.M. GROVES

LAST AMENDED .....

HOLE No CRC 6  
LT 89

0051

360064

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineral-og		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION			NOTES	% CHIPS	RECOVERY	SAMPLE NO	ASSAYS (ppm)				
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe Ox	DISS Fe Ox					Au	As			
0	1	[Graphic Log]	SZ			Gy/Br	S	6	F	2										5	60	294462	X	16				
1	2			Gy/P	S	6	F	1	Lm	1											5		70					
2	3			Gy/Br	S	5	F	3	Lm	4			Q	Tc							3	70	294463	X	14			
3	4			Br/Gy	S	5	F	4	Lm	5			Q	Tc							5	70						
4	5			W/Br	S	-	F	4	Lm	4			Q	25	Tc						20	60	294464	X	10			
5	6			Gy	S	3	F	3	Lm	3			Q	10							30	60						
6	7			Gy	S	3	F	1	Lm	1			Q	Tc							20	30	294465	X	12			
7	8			Gy/Br	S	3	F	2	Lm	3			Q	Tc							10	80						
8	9			[Graphic Log]	SZ			Y/Br	S	3	F	4	Lm	4								15	30	294466	X	16		
9	10					Y/Br	S	3	F	5	Lm	4											20		50			
10	11	Y/Br	S			3	F	4	Lm	3											10	60	294467	X	13			
11	12	Y/Br	S			3	F	5	Lm	5											20	80						
12	13	Y/Br	S			2	F	5	Lm	5											20	80	294468	X	12			
13	14	Gy	S			2	F	1	Lm	Tc											10	100						
14	15	Gy	S			2	F	-	Lm	Tc											10	80	294469	X	12			
15	16	Gy	S			2	F	-	Lm	Tc											20	60						
16	17	Gy	S			2	F	-	Lm	Tc											20	70	294470	X	10			
17	18	Gy/Br	S			2	F	-	Lm	1			Q	Tc	Tc						20	80						
18	19	Gy	S	2	F	-	Lm	Tc											20	80	294471	X	12					
19	20	Gy	S	2	F	-	Lm	Tc											7	30								

# R.C. DRILL HOLE LOG

SHEET 2 OF 3

COLLAR CO-ORDS 13.5 N 116 W R.L. ....

STARTED .....

TOTAL DEPTH 48 m

COMPLETED .....

BEARING 090 GRID

DRILLED BY .....

ZONE COUPON .....

INCLINATION 55

RELOGGED BY I.M. GROVES

LAST AMENDED .....

HOLE No CRC 6  
LT 89

0054

260065

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION			NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)					
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe, O <sub>2</sub>	DISS Fe Ox					Au	As				
20	21	[Graphic Log]	SZ			Gy/Br	S	4	F	1	Lm	Tc								40	80	294472	x	13					
21	22			Br/Lgy	S	3	F	3	Lm	1											40		100						
22	23			Br/Lgy	S	3	F	3	Lm	2											40	90	294473	x	9				
23	24			Br/Lgy	S	3	F	3	Lm	2		Q	Tc								40	100							
24	25			Br/Lgy	S	3	F	4	Lm	2											30	60	294474	x	18				
25	26			Br/Lgy	S	3	F	4	Lm	3											40	50							
26	27			Br/Lgy	S	3	F	4	Lm	3											50	50	294475	x	13				
27	28			Br/Lgy	S	3	F	4	Lm	3											40	40							
28	29			Br/Lgy	S	3	F	4	Lm	2											30	70	294476	x	17				
29	30			Gy/Br	S	4	F	3	Lm	2		Q	Tc								30	90							
30	31	Gy/Br	S	4	F	3	Lm	2											20	70	294477	x	10						
31	32	Gy/Br	S	3	F	3	Lm	1		Q	Tc								30	30									
32	33	Gy/Br	S	1	F	5	Lm	5		Q	SO								50	60	294478	x	11						
33	34																		-	-									
34	35																			-	-	294479	x	10					
35	36																		-	-									
36	37																			-	-	294480	x	14					
37	38	Gy	S	4	F	1	Lm	Tc											2	50									
38	39	Gy	S	4	F	1	Lm	Tc											20	70	294481	x	8						
39	40	Gy	S	4	F	-	Lm	Tc											2	10									

NO SAMPLE

# R.C. DRILL HOLE LOG

SHEET 3 OF 3

COLLAR CO-ORDS 13.5 N 116 W R.L. ....

STARTED .....

TOTAL DEPTH 48 m

COMPLETED .....

ZONE COUPON

BEARING 090 GRD

DRILLED BY .....

INCLINATION 55

RELOGGED BY I.M. GROVES

LAST AMENDED

HOLE No CRC 6  
LT 89

0990

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE NO	ASSAYS (ppm)						
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe Ox	DISS Fe Ox	Type					Vol %	Au	As				
40	41	[Hand-drawn log pattern]	SZ			ky	S	4	F	1	Lm	Tc									5	30	294482	x	12						
41	42					ky	S	4	F	1	Lm	Tc										10		90							
42	43					ky	S	4	F	1	Lm											10	70	294483	x	12					
43	44					ky	S	4	F	1	Lm											10	90								
44	45					ky	S	5	F													2	110	294484	x	8					
45	46					ky	S	5	F													5	90								
46	47					ky	S	5	F													10	100	294485	x	12					
47	48					ky	S	5	F													5	90								

360066

# R.C. DRILL HOLE LOG

SHEET ..... OF .....

HOLE No CRC 7  
LT 89

COLLAR CO-ORDS 14.5 N 86W  
TOTAL DEPTH 77 m  
ZONE COUPON

STARTED .....  
COMPLETED .....  
BEARING 090 GRD DRILLED BY .....  
INCLINATION -55 RELOGGED BY J.M. GROVES

0050

LAST AMENDED .....

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)				
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE E.g. Qz	DISS Fe Ox	Type					Vol %	Py	MASSIVE E.g. Qz	DISS Fe Ox	Au
0	1		SZ			Br	S	3	F	L <sub>3</sub>	3										5	70	294486	0.008	580				
1	2			Br	S	3	F	L <sub>3</sub>	1													6		60					
2	3			Br/Pk	S	3	F	L <sub>3</sub>	2													10	80	294487	0.006	50			
3	4			Pk	S	4	F	L <sub>3</sub>	2													10	80						
4	5			Br	S	4	F	L <sub>3</sub>	4													10	80	294488	0.007	540			
5	6			Br	S	2	F	L <sub>3</sub>	4													10	80						
6	7			Br	S	3	F	L <sub>3</sub>	3					Q 1								30	80	294489	0.005	850			
7	8			Br	S	2	F	L <sub>3</sub>	1					Q 2								20	80						
8	9			SZ			Br/Ag	S	3	F	L <sub>3</sub>	1											10	90	294490	X	170		
9	10				Br/Ag	S	3	F	L <sub>3</sub>	2													10	100					
10	11		Pk/Br		S	3	F	L <sub>3</sub>	1													20	90	294491	X	120			
11	12		Br/Pk		S	3	F	L <sub>3</sub>	2					Q 1								10	70						
12	13		Br/Ag		S	4	F	L <sub>3</sub>	1													10	80	294492	X	110			
13	14		Br		S	3	F	L <sub>3</sub>	2													10	80						
14	15		Br		S	4	F	L <sub>3</sub>	2													10	80	294493	X	97			
15	16		Br		S	3	F	L <sub>3</sub>	2													3	80						
16	17		SZ				Br	S	3	F	L <sub>3</sub>	2											10	90	294494	X	28		
17	18				Br	S	4	F	L <sub>3</sub>	2					Q 2								20	90					
18	19			W	S	2	F	L <sub>3</sub>	3					Q	Tc							5	100	294495	X	23			
19	20			Br	S	3	F	L <sub>3</sub>	2													5	100						

360067

# R.C. DRILL HOLE LOG

SHEET 2 OF 4

COLLAR CO-ORDS 14.5 N 86 W R.L. ....

STARTED .....

TOTAL DEPTH 77 m

COMPLETED .....

ZONE COUPON

BEARING 080 GRID

DRILLED BY .....

INCLINATION 55

RELOGGED BY I.M. GROVES

0000

LAST AMENDED

HOLE No CRC 7  
LT 89

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineral-ogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE NO	ASSAYS (ppm)					
FROM	TO			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe <sub>2</sub> O <sub>3</sub>	DISS Fe Ox						Au	As				
20	21		SZ			P/Gy	S	2	F	2	Lm	1									10	100	294496	x	75					
21	22					L.Gy	S	5	F	2	Lm	1										15		100						
22	23					L.Gy	S	4	F	2					Q	S						10	100	294497	x	25				
23	24					L.Gy	S	2	F	1	Lm	Tc			Q	10	Tc					20	90							
24	25					L.Gy	S	-	F	1	Lm	Tc			Q	Tc						5	80	294498	x	17				
25	26			L.Gy	S	2	F	1	Lm	Tc										2	90									
26	27		SZ			L.Gy	S	2	F	1	Lm	Tc									2	90	294499	x	17					
27	28					Br/Gy	S	3	F	2	Lm	Tc										10		80						
28	29					Br/Gy	S	3	F	2	Lm	2										5	80	294500	x	17				
29	30					Br/Gy	S	3	F	3	Lm	2										10	100							
30	31					Gy	S	4	F	2	Lm	1										10	90	306251	x	12				
31	32			Gy	S	6	F	-												10	100									
32	33			Gy	S	6	F	2	Lm	2										5	100	306252	x	18						
33	34			Gy	S	6	F	-	Lm	Tc										10	100									
34	35			Gy	S	6	F	-	Lm	Tc										10	100	306253	x	27						
35	36			Gy	S	6	F	-												5	100									
36	37		SZ			Br.	S	4	F	4	Lm	4									15	100	306254	x	22					
37	38					Br	S	4	F	4	Lm	3			Q	Tc	Tc				15	100								
38	39					Gy	S	6	F	-					Q	Tc	Tc				15	100	306255	x	17					
39	40					Gy	S	2	F	Tc	Lm	1			Q	10	1				20	100								

360068

# R.C. DRILL HOLE LOG

SHEET 3 OF 4

HOLE No CRC 7  
LT 89

COLLAR CO-ORDS 14 S N 86 W R.L. ....  
TOTAL DEPTH 77 m  
ZONE COUPON .....

STARTED .....  
COMPLETED .....  
BEARING 080 GRD DRILLED BY .....  
INCLINATION -55 RELOGGED BY J.A. GROVES

01/01/00

LAST AMENDED .....

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)				
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe Ox	DISS Fe Ox									Au	Ag
40	41	[Hatched]	SZ			Gy	S	3	F	-					Q	3					70	100	306256	x	30				
41	42			Gy/Br	S	4	F	2	Lm	3						Q	15	1				60		30					
42	43			Gy	S	5	F	-								Q	Tc					10	30	306257	x	33			
43	44			Gy	S	5	F	-								Q	Tc					10	80						
44	45			Gy	S	3	F	-								Q	1					15	60	306258	x	190			
45	46			Gy	S	3	F	-								Q	1	1				15	80						
46	47																							306259	x	38			
47	48			Gy	S	6	F	-														10	50						
48	49																							306260	x	27			
49	50			Gy	S	3	F	1	Lm	2												10	60						
50	51	[Hatched]	SZ			Gy	S	2	F	1				Q	7					10	100	306261	x	27					
51	52	Gy/Br		S	2	F	2	Lm	2								Tc				15		50						
52	53	Br		S	2	F	2	Lm	4						Q	1	1				10	100	306262	x	34				
53	54	Br		S	2	F	4	Lm	5								Tc				15	60							
54	55	Br		S	2	F	4	Lm	5						Q	Tc	Tc				10	70	306263	x	44				
55	56						F	5													0	100							
56	57						F	5													0	90	306264	x	64				
57	58	[Hatched]		SZ/SS			Br	S	2	F	4	Lm	3		Q	1					5	100							
58	59	[Hatched]						Br	S	2	F	2	Lm	2		Q	2					5	100	306265	x	50			
59	60	[Hatched]																											

300092



# R.C. DRILL HOLE LOG

SHEET 1 OF 5

COLLAR CO-ORDS 15.5° N 75° W R.L. ....

STARTED .....

TOTAL DEPTH 81 m

COMPLETED .....

ZONE COUPON .....

BEARING 255 GR10

DRILLED BY .....

INCLINATION -60

RELOGGED BY J.M. GROVES

LAST AMENDED .....

HOLE No CRC 8  
LT 89

0070

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)					
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe Ox.	DISS Fe Ox.	Type					Py	Py	Py	Au	As	
0	1		SZ			Gy	S	4	F	3	Lm	2			Q	1					10	20	306274		87					
1	2																					1			0.130					
2	3																													
3	4						Gy/Br	S	5	F	4	Lm	2			Q	1					10	100	306275		0.005	72			
4	5						Pk/Br	S	4	F	5	Lm	4									10	100							
5	6						Pk/Br	S	4	F	5	Lm	5									10	100							
6	7						Gy	S	6	F	2	Lm	Tc									15	100	306276		0.085	310			
7	8						Gy/Br	S	4	F	3	Lm	Tc									10	100							
8	9						Br/Gy	S	4	F	4	Lm	4									10	100	306277		0.065	310			
9	10			SZ			Br	S	4	F	4	Lm	3			Q	Tc					15	100							
10	11						Br/Gy	S	4	F	5	Lm	5									15	100	306278	x		80			
11	12						Gy/Br	S	4	F	3	Lm	3									10	100							
12	13						Gy/Br	S	4	F	3	Lm	1									10	100		306279	x		67		
13	14						Br/Gy	S	4	F	5	Lm	Tc									2	100							
14	15					Br	S	4	F	7	Lm	3									3	100	306280	x		73				
15	16		SZ			Br	S	4	F	6	Lm	6									10	100								
16	17						Br	S	3	F	5	Lm	5									8	100	306281		0.016	59			
17	18						Br	S	3	F	5	Lm	4									10	100							
18	19						Br	S	3	F	7	Lm	3			Q	2					8	100		306282		0.270	540		
19	20						Br	S	3	F	7	Lm	6			Q	Tr					10	100							

360071

# R.C. DRILL HOLE LOG

SHEET 2 OF 5

HOLE No CRC 8  
LT 89

COLLAR CO-ORDS 15.5 N 75W  
TOTAL DEPTH 81 m  
ZONE COUPON

STARTED .....  
COMPLETED .....  
BEARING 255 GRD  
INCLINATION -60  
DRILLED BY .....  
RELOGGED BY L.M. GROVES

0110

LAST AMENDED

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)				
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe Ox	DISS Fe Ox	Au					As				
20	21				Br/ky	S	S	F	6	L	4										5	90	306283	x	98				
21	22				Br/ky	S	S	F	5	L	5										5	90							
22	23				Br/ky	S	4	F	2	L	2		Q	4							10	90	306284	0.005	69				
23	24				Br	S	3	F	3	L	2		Q	3							10	100							
24	25				Br	S	3	F	4	L	4		Q	1							15	80	306285	x	52				
25	26				Br/ky	S	3	F	2	L	2										10	100							
26	27		SZ		Br	S	3	F	2	L	2										20	100	306286	0.010	57				
27	28				Br/ky	S	3	F	2	L	2										10	100							
28	29				Br/ky	S	4	F	3	L	3										15	100	306287	x	33				
29	30				Br/ky	S	4	F	2	L	1										8	100							
30	31				Gy	S	5	F	2												10	70	306288	x	40				
31	32				Gy	S	4	F	1												10	100							
32	33				Gy	S	3	F	1												10	100	306289	0.020	67				
33	34				Gy	S	2	F	-	S <sup>1</sup>	3		Q	1							60	70							
34	35				Gy	S	2	F	-	S <sup>1</sup>	2		Q	2							90	80	306290	x	55				
35	36		SZ (95)		Gy	S	2	F	-	S <sup>1</sup>	2		Q	3							80	80							
36	37				Gy	S	2	F	-	S <sup>1</sup>	3		Q	3							80	60	306291	0.015	38				
37	38				Gy	S	2	F	-	S <sup>1</sup>	3		Q	3							80	60							
38	39				Gy	S	2	F	-	S <sup>1</sup>	3		Q	5							80	70	306292	0.020	54				
39	40				Gy	S	2	F	-	S <sup>1</sup>	3		Q	5							80	60							

360072

# R.C. DRILL HOLE LOG

SHEET 3 OF 5

COLLAR CO-ORDS 15.5 N 75 W

R.L. ....

STARTED .....

TOTAL DEPTH 81 m

BEARING 255 GRID

COMPLETED .....

ZONE COUPON .....

INCLINATION -60 RELOGGED BY I.M. GROVES

LAST AMENDED .....

HOLE No CRC 8  
LT 89

0100

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION			NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)				
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe Ox	DISS Fe Ox					Au	Ag			
40	41	[Hatched]	SZ			Gy	S	6	F	-	Sil	3			Q	2				70	60	306293	0.020	59				
41	42			Gy	S	2	F	-	Sil	4			Q	4						70	70							
42	43			Gy	S	2	F	-	Sil	2			Q	3						70	60	306294	0.020	70				
43	44			Gy	S	2	F	-	Sil	1			Q	4						70	70							
44	45			Gy	S	3	F	-	Sil	3			Q	4						70	100	306295	0.060	450				
45	46			Gy	S	2	F	-	Sil	3			Q	1						70	60							
46	47			Gy	S	3	F	-	Sil	2			Q	2						70	80	306296	x	56				
47	48			Gy	S	4	F	-	Sil	1			Q	3						70	100							
48	49			Gy	S	5	F	-	Sil	1			Q	5						70	70	306297	x	13				
49	50			Gy	S	5	F	-	Sil	1			Q	5						70	90							
50	51	[Hatched]	SZ (gy)			Gy	S	6	F	-	Sil	3			Q	1			70	100	306298	x	8					
51	52			Gy	S	-	F	-	Sil	6			Q	1						70		70						
52	53			Gy	S	5	F	-	Sil	3			Q	2						70	100	306299	x	12				
53	54			Gy	S	5	F	-	Sil	1			Q	2						70	100							
54	55			Gy	S	5	F	-	Sil	1			Q	1						70	50	306300	x	9				
55	56			Gy	S	1	F	-	Sil	4			Q	Tc						70	70							
56	57			Gy	S	1	F	-	Sil	3			Q	5						70	100	306301	x	9				
57	58			Gy	S	5	F	-	Sil	2			Q	Tr						40	100							
58	59			Gy	S	5	F	-	Sil	2			Q	1						70	100	306302	x	9				
59	60			Gy	S	5	F	-	Sil	4			Q	5						70	100							

360073

# R.C. DRILL HOLE LOG

SHEET 4 OF 5

COLLAR CO-ORDS 15.5 N 75W

R.L. ....

STARTED .....

TOTAL DEPTH 81 m

COMPLETED .....

BEARING 255 GR10

DRILLED BY .....

HOLE No CACB  
LT 89

ZONE COUPON

INCLINATION -60 RELOGGED BY J.M. GROVES

LAST AMENDED

0000

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)									
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe Ox	DISS Fe Ox										Au	As				
60	61	[Hatched]	S2 (gy)			Gy	S	1	F	-	Sil	5			Q	1						70	100	306303	~	12								
61	62			Gy	S	3	F	-	Sil	1			Q	2									70		100									
62	63			Gy	S	2	F	-	Sil	2			Q	2									70	100	306304	~	14							
63	64			Gy	S	1	F	-	Sil	2			Q	1									70	80										
64	65			Gy	S	1	F	-	Sil	4			Q	3									70	100	306305	0.080	102							
65	66			Gy	S	1	F	-	Sil	4			Q	5									50	100										
66	67			Gy	S	1	F	-	Sil	4			Q	5									50	60	306306	0.020	81							
67	68			Gy	S	4	F	-	Sil	1			Q	2									50	90										
68	69			Gy	S	4	F	-	Sil	1			Q	3									50	100	306307	0.010	62							
69	70			Gy	S	3	F	-	Sil	1			Q	5									50	100										
70	71	[Hatched]	S2 (gy)			Gy	S	2	F	-	Sil	3			Q	6						70	90	306308	0.070	110								
71	72			Gy	S	1	F	-	Sil	3			Q	5									70		100									
72	73			Gy	S	1	F	-	Sil	4			Q	10									70	60	306309	0.125	220							
73	74			Gy	S	1	F	-	Sil	2			Q	15	Te							Observed 5 specs in 1 handful	70	80										
74	75			Gy	S	1	F	-	Sil	3			Q	5	Te								70	100	306310	0.120	880							
75	76			Gy	S	1	F	-	Sil	3			Q	5									70	40										
76	77			[Hatched]	S2 (gy)			Gy	S	1	F	-	Sil	3			Q	8						70	90	306311	0.030	120						
77	78					Gy	S	1	F	-	Sil	3			Q	15	Te							pyrite 1mm disseminated cubes	70		70							
78	79					Gy	S	1	F	-	Sil	3			Q	10									70	80	306312	0.45	320					
79	80					Gy	S	1	F	-	Sil	3			Q	15	Te							cubic pyrite ∴ hydrothermal	70	80								

360074



# R.C. DRILL HOLE LOG

SHEET 1 OF 3

COLLAR CO-ORDS 16 AN 75 W

TOTAL DEPTH 60 m

ZONE COUPON

STARTED .....

COMPLETED .....

R.L. ....

BEARING 270 GRD

DRILLED BY .....

INCLINATION -55

RELOGGED BY J.M. GROVES

000

HOLE No CRC 9  
LT 89

LAST AMENDED

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)													
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE FeOx	DISS FeOx	Type					Vol %	Type	Intensity	Au	As									
0	1		S2			Pk/ky	S	S	F	6	L <sub>2</sub>	3									20	50																
1	2						Pk/ky	S	S	F	6	L <sub>m</sub>	3									20	90	306314	x	69												
2	3						Pk/ky	S	S	F	6	L <sub>m</sub>	3									20	100	306315	x	45												
3	4						Pk/ky	S	S	F	6	L <sub>m</sub>	3									20	80	306316	x	37												
4	5						ky	S	S	F	5	L <sub>m</sub>	2									20	90															
5	6			S2 (agg.)			ky	S	6	F	2	L <sub>m</sub>	1									20	90															
6	7							ky	S	6	F	2											20	90	306317	x	48											
7	8							ky	S	6	F	2											20	90														
8	9							ky	S	6	F	2											20	90	306318	x	44											
9	10						ky	S	6	F	2	L <sub>m</sub>	1									20	100															
10	11		S2			ky/Br	S	4	F	4	L <sub>m</sub>	3									20	90	306319	x	47													
11	12						Br/ky	S	4	F	4	L <sub>m</sub>	3									20	80															
12	13						Br/ky	S	4	F	5	L <sub>m</sub>	3									20	90	306320	x	17												
13	14						Br/ky	S	4	F	5	L <sub>m</sub>	3									20	100															
14	15						Br/ky	S	4	F	4	L <sub>m</sub>	3									20	100	306321	x	210												
15	16					Br	S	4	F	3	L <sub>m</sub>	2									5	90																
16	17					Br/ky	S	4	F	2	L <sub>m</sub>	2									10	90	306322	0.005	300													
17	18					Br/ky	S	4	F	2											10	70																
18	19		S2			Br/ky	S	2	F	2	L <sub>m</sub>	2									10	50	306323	0.100	320													
19	20						Br/ky	S	2	F	2	L <sub>m</sub>	2									10	60															

360076

# R.C. DRILL HOLE LOG

SHEET 2 OF 3

HOLE No CRC 9  
LT 89

COLLAR CO-ORDS 16 AN 75W  
TOTAL DEPTH 60 m  
ZONE COUPON

STARTED .....  
COMPLETED .....  
BEARING 270 GR10 DRILLED BY .....  
INCLINATION -55 RELOGGED BY I.M. GROVES

3600

LAST AMENDED

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)			
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE FeO <sub>1</sub>	DISS FeO <sub>2</sub>	Type					Py	Au	As	
20	21		SZ			Br	S	2	F	6	L <sub>3</sub>	S			Q	3					10	90	306324	0.270	690			
21	22			Br	S	2	F	6	L <sub>3</sub>	S					Q	1					20	70						
22	23			Br	S	2	F	6	L <sub>3</sub>	S					Q	1					20	60	306325	0.050	360			
23	24			Br	S	2	F	3	L <sub>3</sub>	S					Q	Tc					5	90						
24	25			Gyl/Br	S	3	F	4	L <sub>3</sub>	S					Q	Tc	Tc				10	100	306326	x	150			
25	26		Br	S	3	F	6	L <sub>3</sub>	S					Q	Tc	3				10	100							
26	27		Gyl/Br	S	3	F	3	L <sub>3</sub>	S					Q	1	Tc				20	90	306327	0.030	110				
27	28		Gyl/Br	S	4	F	2	L <sub>3</sub>	S					Q	10	Tc				20	80							
28	29		Gyl/Br	S	4	F	2	L <sub>3</sub>	S					Q	10	Tc				20	60	306328	0.030	170				
29	30		Gyl/Br	S	4	F	2	L <sub>3</sub>	S					Q	10					20	60							
30	31		SZ			Br	S	3	F	4	L <sub>3</sub>	S			Q	10	Tc			20	90	306329	0.090	280				
31	32			Br	S	3	F	4	L <sub>3</sub>	S					Q	10	Tc			15	100							
32	33					Br/Gyl	S	4	F	5	L <sub>3</sub>	S								15	90	306330	x	120				
33	34			Br/Gyl	S	4	F	2	L <sub>3</sub>	S										15	90							
34	35					Gyl	S	5	F	2	L <sub>3</sub>	S								15	100	306331	x	24				
35	36			Gyl	S	5	F	1	L <sub>3</sub>	S										15	100							
36	37		SZ			Gyl	S	5	F	1	L <sub>3</sub>	Tc								15	90	306332	x	15				
37	38			Gyl	S	5	F	1	L <sub>3</sub>	Tc										15	90							
38	39		(99)			Gyl	S	5	F	1	L <sub>3</sub>	Tc								15	90	306333	x	15				
39	40		Gyl	S	2	F	-							Q	4				15	100								

360077

# R.C. DRILL HOLE LOG

SHEET 3 OF 3

COLLAR CO-ORDS 16 A N 75 W

R.L. ....

STARTED .....

TOTAL DEPTH 60 m

BEARING 270 GRD

COMPLETED .....

ZONE COUPON .....

INCLINATION -55 RELOGGED BY I.M. GROVES

DRILLED BY .....

HOLE No CRC 9  
LT 89

LAST AMENDED .....

0110

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)					
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe Ox	DISS Fe Ox	Type					Vol %	Py	MASSIVE Fe Ox	DISS Fe Ox	Au	As
40	41	///				Gy	S	3	F	-	Sil	2			Q	10					30	100	306334	x	9					
41	42	///				Gy	S	3	F	-	Sil	1			Q	3					30	90								
42	43	///	S2 (Gy)			Gy	S	3	F	-	Sil	1			Q	2					30	90	306335	x	11					
43	44	///		Gy	S	3	F	-	Sil	1					Q	15					30	90								
44	45	///		Gy	S	3	F	-	Sil	1					Q	2					30	90	306336	x	13					
45	46	///		Gy	S	3	F	-	Sil	2					Q	1					30	100								
46	47	///				Gy	S	3	F	-	Sil	3			Q	Tc	Tc				30	90	306337	x	10					
47	48	///				Gy	S	3	F	-	Sil	2			Q	3					30	100								
48	49	///				Gy	S	3	F	-	Sil	2			Q	2					30	90	306338	x	15					
49	50	///				Gy	S	3	F	-	Sil	1			Q	1					30	80								
50	51	///	S2			Gy/Br	S	3	F	Tc	Lm	1			Q	Tc					5	100	306339	x	34					
51	52	///		Gy/Br	S	3	F	Tc	Lm	2					Q	Tc					10	100								
52	53	///		Gy/Br	S	4	F	Tc	Lm	1					Q	1					10	100	306340	x	36					
53	54	///	Gy/Br	S	3	F	Tc	Lm	1					Q	Tc					5	100									
54	55	///				Gy	S	3	F	-					Q	10					20	100	306341	0.010	140					
55	56	///				Gy/Br	S	3	F	Tc	Lm	1			Q	10					20	100								
56	57	///	S2			Gy/Br	S	5	F	Tc	Lm	2			Q	3						20	100	306342	0.170	390				
57	58	///		Gy/Br	S	3	F	Tc	Lm	1					Q	2					20	90								
58	59	///		Gy/Br	S	3	F	Tc	Lm	2					Q	15					20	100	306343	x	105					
59	60	///				Gy	S	3	F	Tc				Q	2					20	100									

360078

# R.C. DRILL HOLE LOG

SHEET 3 OF 3

0078

COLLAR CO-ORDS 14 N 000  
 TOTAL DEPTH 48 m  
 ZONE COUPON

STARTED .....  
 COMPLETED .....  
 BEARING 270 GRD DRILLED BY .....  
 INCLINATION -55 RELOGGED BY IM GROVES

LAST AMENDED  
 .....

HOLE No CRC 11  
LT 89

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)					
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe Ox	DISS Fe Ox	Type					Vol %	Au	As			
40	41		SS/ QTZ			Y/Br	3	3	6	S	6			Q	1						10	20	306596	0.055	440					
41	42			Y/Br	3	3	6	S	5			Q	Te								10	5								
42	43			Y/Br	3	3	5	S	4			Q	1	Te							5	10	306597	0.165	610					
43	44			Y/Br	3	3	4	S	4			Q	4	Te							5	40								
44	45			Y/Br	3	3	3	S	3			Q	2								15	40	306598	0.240	440					
45	46			Y/Br	3	3	3	S	3			Q	8								10	20								
46	47			Y/Br	3	3	3	S	3			Q	1								10	40	306599	0.065	510					
47	48			Y/Br	3	3	3	S	3			Q	10								20	50								
48	49			Y/Br	3	3	3	S	3			Q	2	Te							5	10								

360079

# R.C. DRILL HOLE LOG

SHEET 1 OF 2

COLLAR CO-ORDS 166N (5ms) 80 W

TOTAL DEPTH 22 m

ZONE COUPON

STARTED .....

COMPLETED .....

R.L. ....

BEARING 074 GRID DRILLED BY .....

INCLINATION -55 RELOGGED BY J.M. GROVES

LAST AMENDED

0073

HOLE No CRC 12  
LT 89

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)						
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe Ox	DISS Fe Ox												
0	1		SZ			Pk/ky	S	4	F	4	Lm	3									30	30	306600	x	390						
1	2																														
2	3																														
3	4						ky	S	4	F	3	Lm	1									10	80	306451	x	190					
4	5						ky	S	3	F	4	Lm	1									20	100								
5	6						ky	S	3	F	4	Lm	1									20	80	306452	x	170					
6	7						ky	S	3	F	4	Lm	2									10	90								
7	8			SZ			L/ky	S	3	F	3	Lm	1										15	100	306453	x	210				
8	9							L/ky	S	3	F	2	Lm	1									10	100							
9	10							L/ky	S	3	F	4	Lm	2									15	100							
10	11						ky/Br	S	3	F	3	Lm	3									20	60	306454	x	120					
11	12					ky/Br	S	4	F	3	Lm	3									30	60									
12	13					ky/Br	S	3	F	3	Lm	3									50	70	306455	x	110						
13	14					Br/ky	S	3	F	3	Lm	3									50	80									
14	15		SZ			ky	S	4	F	2	Lm	1										50	80	306456	x	60					
15	16						Br	S	5	F	4	Lm	3									50	60								
16	17						Br/ky	S	4	F	4	Lm	3									10	40	306457	x	27					
17	18						ky	S	4	F	3	Lm	2									10	40								
18	19					ky	S	5	F	2	Lm	1									30	20	306458	x	18						
19	20																														

860080

# R.C. DRILL HOLE LOG

SHEET 2. OF 2.

COLLAR CO-ORDS 16bN (5ms) 80W

R.L. ....

STARTED .....

TOTAL DEPTH 27 m

BEARING 090

COMPLETED .....

ZONE COUPON .....

INCLINATION -55 RELOGGED BY IMGROUES

DRILLED BY .....

HOLE No CRC 12  
LT 89

LAST AMENDED

0080

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION			NOTES	% CHIPS	RECOVERY	SAMPLE N°	ASSAYS (ppm)					
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe Ox	DISS Fe Ox					Au	As				
20	21		SZ			ly	S	4	F	4	L3	F								10	20	306459	x	16					
21	22					ly	S	4	F	2											5		5						
22	23					Lly	S	3	F	-											5	30	306460	x	11				
23	24					Lly	S	1	F	-	L3	Tc									5	40							
24	25					Lly	S	1	F	1	L3	Tc									3	10	306461	x	89				
25	26					Lly	S	2	F	1	L3	Tc									3	20							
26	27					Lly	S	1	F	1	L3	S									10	20							

360081

# R.C. DRILL HOLE LOG

COLLAR CO-ORDS 166N (7mN) 40W

R.L. ....

STARTED .....

TOTAL DEPTH 25 m

BEARING 090 GRID

COMPLETED .....

ZONE COUPON

INCLINATION -55 RELOGGED BY J.M. GROVES

DRILLED BY .....

HOLE N° CRC 13  
LT 89

0081

LAST AMENDED .....

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineral-og		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE N°	ASSAYS (ppm)								
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe Ox	DISS Fe Ox														
0	1		SZ			Gy/Br	S	3	F	3	L3	1			Q	10	Tc				40	50	306462										
1	2																								0.005	27							
2	3																																
3	4						Gy/Br	S	3	F	4	L3	2									30	50										
4	5						Gy/Br	S	3	F	4	L3	2			Q	Tc						50	50	306463	x	24						
5	6						Br	S	3	F	4	L3	3			Q	1						30	80									
6	7						Pk	S	3	F	4	L3	3										50	50	306464	x	15						
7	8						Gy/Br	S	3	F	4	L3	2										30	90									
8	9			SZ			Pk/Br	S	3	F	4	L3	2			Q	Tc						40	100	306465	x	17						
9	10							Pk/Br	S	3	F	4	L3	2			Q	Tc						30		100							
10	11					Gy	S	3	F	4	L3	2			Q	Tc						30	90	306466	x	39							
11	12					Gy	S	3	F	4	L3	1			Q	Tc						40	90										
12	13					Gy/Br	S	4	F	4	L3	1			Q	1						20	100	306467	x	18							
13	14					Gy	S	3	F	2	L3	1			Q	1						20	100										
14	15		SZ			Gy/Br	S	3	F	3	L3	3			Q	2	Tc					20	90	306468	x	58							
15	16						Gy/Br	S	3	F	2	L3	1					1					30		100								
16	17					Gy	S	3	F	2	L3	1					Tc					50	100	306469	x	63							
17	18					Gy	S	3	F	2	L3	2			Q	1	1					40	100										
18	19																							306470	0.040	170							
19	20					Br/Gy	S	2	F	2	L3	5			Q	Tc						30	10		N/S								

360082

# R.C. DRILL HOLE LOG

SHEET 2 OF 2

COLLAR CO-ORDS 166N (7mN) 40 W  
 TOTAL DEPTH 25 m  
 ZONE COUPON

STARTED .....  
 COMPLETED .....  
 BEARING 090.  
 DRILLED BY .....  
 INCLINATION -55. RELOGGED BY J.M. GROVES

0082

HOLE No CRC 13  
 LT 89

LAST AMENDED

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)					
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe <sub>2</sub> O <sub>3</sub>	DISS Fe Ox	Type					Vol %	Au	As			
20	21		S2			Br.	S	3	F	S	Lm	4					20				30	2	N/S							
21	22					Cy/Br.	S	3	F	3	Lm	2						10				30		5						
22	23					Cy/Br.	S	3	F	3	Lm	2			Q	1		2				30	80	306471	0.620	2100				
23	24					Br.	S	3	F	4	Lm	4			Q	2		2				20	80							
24	25					Br.	S	3	F	4	Lm	4			Q	15		S				20	80	306472	0.390	1300				

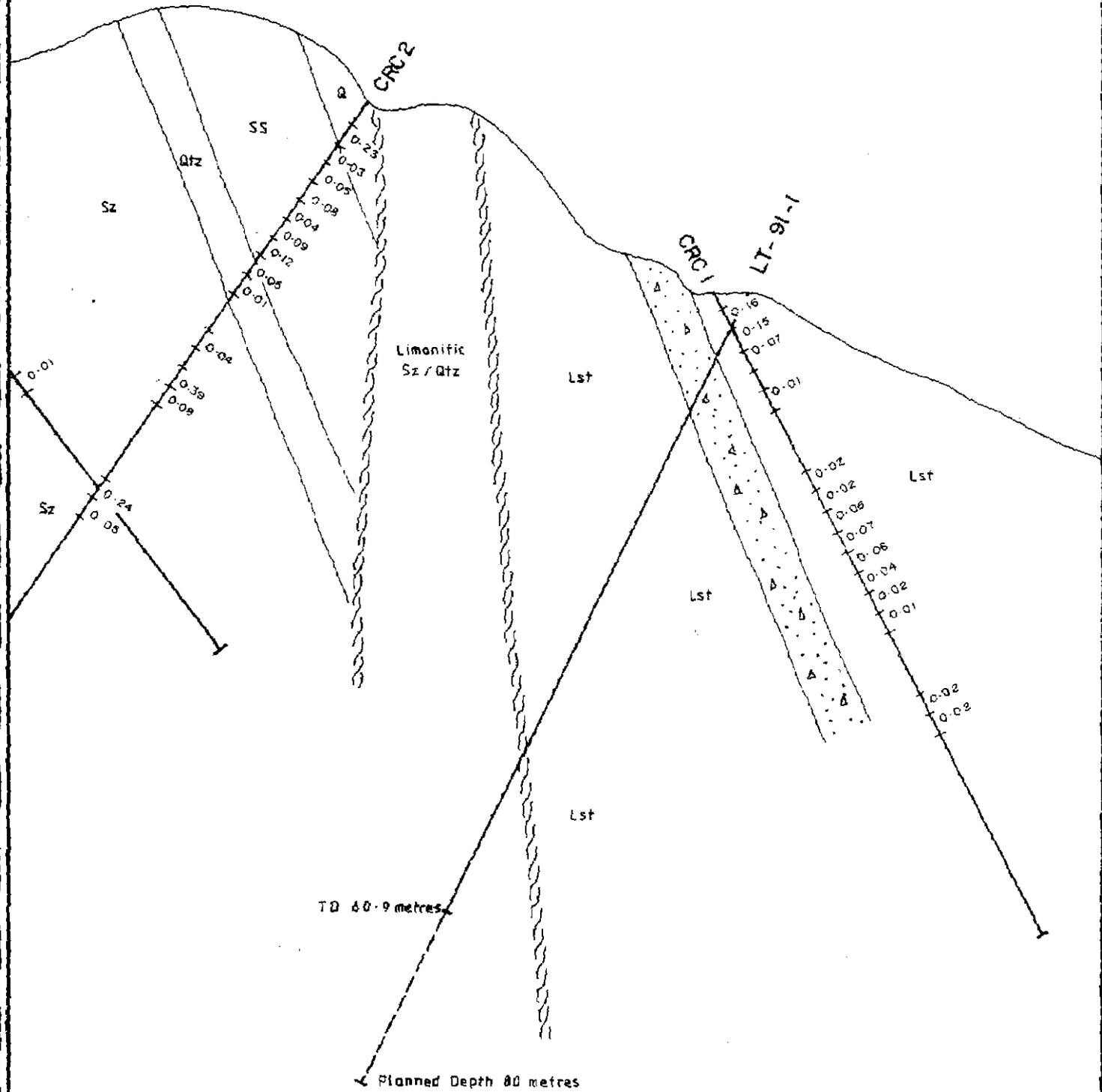
360083

APPENDIX 5

DIAMOND DRILL LOG + SECTION - PERILYA

0004

360085



ZONE OF SHEARING @ 120°-130°, THEREFORE OBLIQUE  
 TO SECTION AND AN APPARENT WIDTH IS x3 TRUE WIDTH  
 ASSAYS FOR LT-91-1, SEE LOG

5 cm

PERILYA MINES N.L.		
LYNCHFORD-COUPON PROSPECT DRILL SECTION LT-91-1 (projected onto E-W section)		
DATE JUNE 91	AUTHOR P J	
SCALE 1:500	DRAWN EJ	APPENDIX 5

LT-91-1 0085

Page 1 of 5

Drilled at 230° Grid, Declination -60° Planned Depth 80.0m  
 Core size HQ Actual Depth 60.9m

## DIAMOND DRILL HOLE LOG - LYNCHFORD

Interval From - To	Meter- age	Recov- ery	Geological Log	Mineral- ization	Structure	Assays		
						Interval	Au	As
0.00- 3.50	0.88	25	Black, carbonaceous, clayey silts - Decarbonated Ordovician Gordon Limestone.			0 - 3	0.010	40
3.50- 6.45	1.33	45	As above.			3 - 6	0.016	80
6.45- 6.50	0.05	100	Beige brown, clayey silt with minor black carbonaceous lamellae - CW siltstone with limey interbeds.					
6.50- 8.70	0.88	40	Beige brown, clayey to gritty silts - CW siltstones, sandstones and minor shales. White clots and streaks after quartzite fragments and minor vein quartz, increasing towards base of interval. Clays and silts highly contorted and deformed in part due to drilling compaction.		Bedding? or layering at 35° to ca @ 7m.	6 - 9	0.089	45
8.70- 8.80	0.10	100	Cataclastite? with quartzite and quartz veined quartzite angular fragments set in a beige coloured clay silt matrix.					
8.80-10.30	1.05	70	Cataclastite Breccia? with major angular fragments from 8.80 to 9.30m then less fragments but larger diameter (to 5cm) to 10.30m. Matrix has speckled appearance with fine black dots (after pyrite?) aligned along crude bedding layers. Ground very soft.	Possibly black dots after pyrite.		9-10	0.076	10
10.30-11.80	1.35	90	As Above. Beige Brown in colour. Matrix occasionally speckled, high percentage of matrix composed of quartz vein and veined quartzite material giving gritty texture to CW core.		Core having strong contorted foliation.	10-12	0.110	5

0086

Interval From - To	Meter- age	Recov- ery	Geological Log	Mineral- ization	Structure	Assays		
						Interval	Au	As
11.80-13.30	1.28	85	OW limestone: black, decarbonated in part pyritic carbonaceous clay silt. Relict bedding? observed. Unit shows signs of sedimentary brecciation with grey and white fragments or clots randomly distributed throughout OW matrix.	Pyrite av. 1-3% Locally higher % Py very fine grained <0.1 mm some 1-2mm but rarer.	Bedding @ 40% to ca other foliation @ 25° to ca.	12-13	0.14	150
13.30-14.80	0.45	30	As above: but becoming less black to more grey colour with black streaks. Less pyrite also. No breccia textures. Unit very soft and washable. Very carbonaceous.	Py approx. 1%		13-15	0.08	110
14.80-16.30	1.28	85	Ditto: Very carbonaceous, black, weakly pyritic, clay silts. bedding observed @ 15.15m @ 25° to ca. Pyrite very fine grained but as cubic crystals. Minor white to cream dots ex. calcite/dolomite and some granular quartz clots.	Pyrite 1% Very fine grained cubic habit.	Bedding 15° to ca.	15-16	0.74	120
16.30-17.80	8.75	50	Ditto: with more abundant clots or patches of granular quartz.			16-18	.152	160
17.80-19.00	0.18	15	Ditto: but very poor recovery due to washing.			18-19	.102	170
19.00-20.50	0	0	No Core: All washed even with slow pump speed.					
20.50-22.00	0	0	No Core.					

0087

Interval From - To	Meter- age	Recov- ery	Geological Log	Mineral- ization	Structure	Assays		
						Interval	Au	As
22.00-22.50	0.48	95	CW limestone: black, carbonaceous, decarbonated, clay silts after Ordovician Gordon limestone. Minor white patches ex. carbonate and some granular quartz. Unit moderately pyritic with fine grained disseminations totalling 3%. Some coarser aggregates to 1-2mm associated with gritty quartz bands.	Py av. 3% Very fine grained. Some to 1-2 mm.		22-23	.076	150
22.50-23.50	0.95	95	Ditto: Some slickensiding manifest by extremely carbonaceous slip planes @ 15-20° to ca.		Shear plane at 15-20° to ca?			
23.50-25.00	0	0	No Core - Having a lot of trouble with cuttings falling behind reamer shell on barrel.					
25.00-25.80	0.68	85	CW Limestone, black carbonaceous weakly pyritic, clay silts after Ordov. Gordon Limestone. Minor white clots ex. carb. and minor granular quartz clots.	Minor Py.		25-26	.070	75
25.80-28.00	2.09	95	Ditto.			26-28	.050	50
28.00-28.80	0.80	100	Ditto, trace py. with slightly less weathered zone @ 28.7 to 28.8 being moderately calcite veined. Dark grey to black HW limestone.	Trace Py.		28-29	.078	110
28.80-31.00	2.09	95	Ditto: massive black, carbonaceous, weakly pyritic clay silts. Sections more carbonaceous (sheared) other sections show relict. lamination after bedding? which are contorted. Some calcite rich zones.	Weakly Pyritic.	Relict. contorted bedding.	29-31	.040	90

0080

Interval From - To	Meter- age	Recov- ery	Geological Log	Mineral- ization	Structure	Assays		
						Interval	Au	As
31.00-32.70	1.62	95	Ditto.			31-33	.040	70
32.70-34.00	0.39	30	Ditto.			33-34	.010	60
34.00-35.50	1.50	100	Ditto.			34-36	.020	120
35.50-36.90	1.12	80	Ditto.			36-37	.062	150
36.90-39.00	2.10	100	Ditto.			37-39	.036	300
39.00-40.00	1.00	100	Ditto.			39-40	.120	200
40.00-41.70	1.70	100	Ditto.			40-43	.114	170
41.70-43.00	0.09	7	Ditto for rock type except core very soft and very washable.					
43.00-46.00	1.20	40	Ditto to 45.8 metres. 45.8 to 46.0 sequence of bright orange/yellow/white laminar clays after shale/siltstone sequences. Unit completely weathered.			43-46	.012	120
46.00-48.00	2.00	100	Ditto with minor hematitic sandstone interbeds.			46-48	.012	85
48.00-49.00	0.80	80	Ditto.			48-49	<.008	45
49.00-50.50	1.50	100	Ditto; mottled orange/yellow/pink/grey clay silts after CW shales and siltstones.			49-50	<.008	75
50.50-52.00	1.43	95	Ditto.			50-52	<.008	90
52.00-53.50	0.53	35	Ditto; with minor nodular goerthite @ 53.45m.			52-55	<.008	100

Interval From - To	Meter- age	Recov- ery	Geological Log	Mineral- ization	Structure	Assays		
						Interval	Au	As
53.50-55.00	1.50	100	Ditto; quartz and hematite veined, quartzite and sandstone, brecciated, orange/yellow silty sand zone, minor goerthite nodules present.					
55.00-56.50	1.20	80	Ditto.			55-57	<.008	90
56.50-58.00	1.50	100	Ditto. Core moderately ferruginous orange/yellow CW clay silts after shale/siltstone sequences. Bedding at 30° to ca prominent, veining at 15° to ca and 30° to ca (- to bedding).	Goerthite vein 5mm width @ 15° to ca. Further set at 30° to ca and perpendicular to bedding.	Bedding 30° to ca @ 57m Goerthite vein @ 15° to ca @ 58m sub parallel to bedding.	57-58	<.008	170
58.00-59.20	0.90	75	Ditto: Bedding 40° to ca @ 58.5m.		Bedding 40° to ca.	58-59	<.008	75
59.20-60.90	0.85	50	Extremely broken, hematite veined, sheared zone sub // to ca in yellow/orange/clay matrix.		Shearing sub // to ca.			
END OF HOLE			Hole terminated @ 60.9 prematurely due to the hole collapsing behind the barrell.					

0090

APPENDIX 6

ANALYTICAL DATA SHEETS - ANALABS/DRILL CORE

# R.C. DRILL HOLE LOG

SHEET 1 OF 3

0391

COLLAR CO-ORDS 15 N 68 W R.L. ....

STARTED .....

TOTAL DEPTH 60 m

COMPLETED .....

BEARING 090 GRID

DRILLED BY .....

HOLE No CRC 10  
LT 89

ZONE COUPON .....

INCLINATION -55  
(-70?)

RELOGGED BY J.M. GROVES

LAST AMENDED .....

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)				
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe Ox	DISS Fe Ox	Type					Vol %	Au	As		
0	1		SZ			L.Br/W	S	4	F	8	Lm	1			Q	Tc					5	50	306347	x	420				
1	2																					2		60	306348	0.025	400		
2	3						R/Br	S	5	F	8	Lm	2									2	80	306349		x	320		
3	4						R/Br	S	5	F	7	Lm	2									2	80		306350				
4	5						R/Br	S	5	F	7	Lm	1									2	90	306351					
5	6						R/Br	S	4	F	7	Lm	1									5	90		306352	x	310		
6	7						Gy	S	4	F	5											5	100	306353					
7	8						O/Br	S	4	F	5											2	100		306354	x	360		
8	9			SZ			O/Br	S	4	F	7	Lm	2									2	90	306355					
9	10							R/Br	S	4	F	6	Lm	2									2		100	306356	x	480	
10	11						Gy/Br	S	4	F	5	Lm	4									2	100	306357					
11	12						Gy/Br	S	4	F	5	Lm	5									3	100		306358				
12	13						Gy	S	4	F	4	Lm	1									2	100	306359		x	140		
13	14						Gy	S	4	F	4	Lm	3									2	100		306360				
14	15						Gy	S	5	F	4	Lm	3		Q	10		Tc				20	100	306361		x	120		
15	16		SZ				Gy	S	4	F	3	Lm	1		Q	15		Tc				20	90		306362				
16	17							Gy	S	4	F	3	Lm	2									10	100		306363	x	240	
17	18							Gy	S	4	F	4	Lm	3									10	100	306364				
18	19						Gy	S	4	F	5	Lm	5		Q	10		3				20	100	306365		x	410		
19	20						Gy	S	3	F	5	Lm	6		Q	2		5				20	100						

800092

# R.C. DRILL HOLE LOG

COLLAR CO-ORDS 15 N 68 W  
 TOTAL DEPTH 60 m  
 ZONE COUPON

STARTED .....  
 COMPLETED .....  
 BEARING 090 GRD DRILLED BY .....  
 INCLINATION -55 RELOGGED BY I.M. GROVES

2600

HOLE No CRC 10  
 LT 89

LAST AMENDED

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)						
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE FeO <sub>2</sub>	DISS FeO <sub>2</sub>	Type					Vol %	Au	As				
20	21		SZ			ly	S	3	F	4	L <sub>m</sub>	2									5	100	306557	x	55						
21	22			ly	S	3	F	4	L <sub>m</sub>	2											10	100									
22	23			ly	S	3	F	4	L <sub>m</sub>	2											20	100	306558	x	75						
23	24			ly	S	3	F	4	L <sub>m</sub>	3											15	100									
24	25			ly	S	3	F	3	L <sub>m</sub>	3				Q	3							10	100	306559	0.010	180					
25	26			ly	S	5	F	1	L <sub>m</sub>	1												10	100								
26	27			ly	S	3	F	2	L <sub>m</sub>	2												5	90	306560	x	71					
27	28			ly	S	3	F	2	L <sub>m</sub>	0				Q	Te							5	90								
28	29			SZ-SS			0/Br	S	3	F	5	L <sub>m</sub>	4									5	90	306561	x	88					
29	30				y/Br	S	1	F	5	L <sub>m</sub>	4											10	90								
30	31		y/Br		S	1	F	5	L <sub>m</sub>	3											10	90	306562	0.010	160						
31	32		y/Br		S	1	F	5	L <sub>m</sub>	3											20	90									
32	33		y/Br		S	3	F	2	L <sub>m</sub>	1												10	90	306563	x	170					
33	34		ly/Br	S	4	F	2	L <sub>m</sub>	2												10	80									
34	35		ly	S	4	F	2	L <sub>m</sub>	2												10	80	306564	x	180						
35	36		ly	S	2	F	1	L <sub>m</sub>	2												15	80									
36	37		ly	S	2	F	1	L <sub>m</sub>	1				Q	1							20	90	306565	x	77						
37	38		ly/Br	S	2	F	1	L <sub>m</sub>	2												20	90									
38	39		ly/Br	S	3	F	-	L <sub>m</sub>	1				Q	Te							10	100	306566	x	30						
39	40		ly/Br	S	3	F	-	L <sub>m</sub>	1												15	80									

limonitic SS/SZ

SS/SS (f.g.) interbedded

360093

# R.C. DRILL HOLE LOG

SHEET 3 OF 3

HOLE No CRC 10  
LT 89

COLLAR CO-ORDS 15 N 68 W  
TOTAL DEPTH 60 m  
ZONE COUPON .....

STARTED .....  
COMPLETED .....  
BEARING 090 GRID DRILLED BY .....  
INCLINATION -55 RELOGGED BY J.A. GROVES

0099

LAST AMENDED

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineralogy		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)					
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe Ox	DISS Fe Ox	Type					Vol %	Type	Intensity	Au	As	
40	41	SZ						F	-												-	80	} 306567	x	12					
41	42						S	L	F	-												25		100						
42	43						S	4	F	-	Lm	2										30	70	} 306568	x	52				
43	44						S	4	F	-												30	80							
44	45						S	5	F	-												30	90	} 306569	x	18				
45	46					S	4	F	-	Lm	2										30	40								
46	47	SZ						S	5	F	-				Q	Te						30	80	} 306570	x	27				
47	48						S	5	F	-												30	90							
48	49								F	-												-	30	} 306571	x	28				
49	50						S	4	F	-					Q	Te						10	40							
50	51						S	4	F	-												10	50	} 306572	x	32				
51	52					S	4	F	-	Lm	2										20	50								
52	53	SZ						S	4	F	-	Lm	2									20	50	} 306573	x	32				
53	54						S	4	F	-	Lm	2										10	70							
54	55								F	-												-	20	} 306574	x	36				
55	56						S	4	F	-	Lm	2										5	50							
56	57						S	4	F	-	Lm	2											10	40	} 306575	x	34			
57	58					S	4	F	-	Lm	1										10	50								
58	59					S	4	F	-												10	90	} 306576	0.005	83					
59	60					S	4	F	-	Lm	2										10	90								

360094

# R.C. DRILL HOLE LOG

COLLAR CO-ORDS 14 N 000 E  
 TOTAL DEPTH 48 m  
 ZONE COUPON

STARTED .....  
 COMPLETED .....  
 BEARING 270 GRID DRILLED BY .....  
 INCLINATION -SS RELOGGED BY J.M. GROVES

4500

LAST AMENDED

HOLE No CRC 11  
 LT 89

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineral-og		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)			
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe Ox	DISS Fe Ox	Type					Type	Au	As	
0	1	[Diagonal lines]	SZ?			W/Gy	3		C 5	Sil 6			Q Tc							20	10	306577						
1	2																								X	180		
2	3	[Diagonal lines]	SS			R/Br	3		M 8	L 4	Sil 4		Q 3		3	Tc				20	20	306578	0.010	220				
3	4																											
4	5	[Diagonal lines]	SS			R/Br	3		M 8	L 3	Sil 3		Q 1		2	Tc				20	40	306579	0.050	210				
5	6																											
6	7	[Diagonal lines]	SS			Y/Br	3		M 8	L 3	Sil 3				3					20	30	306580						
7	8																											
8	9	[Diagonal lines]	SS			Y/Br	3		M 8	L 3	Sil 4									20	40	306581						
9	10																											
10	11	[Diagonal lines]	SS			Y/Br	3		M 8	L 3	Sil 5									20	20	306582	0.025	240				
11	12																											
12	13	[Diagonal lines]	SS			D.Br	3		M 8	L 3	Sil 8				4					20	30	306583	0.050	180				
13	14																											
14	15	[Diagonal lines]	SS			Y/Br	3		M 8	L 3	Sil 6									6	30	306584	0.050	170				
15	16																											
16	17	[Diagonal lines]	SS			Y/Br	3		M 8	L 3	Sil 6				5					15	30	306585						
17	18																											
18	19	[Diagonal lines]	SS			Y/Br	3		M 8	L 3	Sil 5		Q Tc		Tc					15	50	306586	0.160	570				
19	20																											
19	20	[Dotted]	QTZ			Y/Br	3		M 7	L 3	Sil 3		Q 1							15	70							

360095

# R.C. DRILL HOLE LOG

SHEET 2 OF 3

0600

COLLAR CO-ORDS 14 N 000

R.L. ....

STARTED .....

TOTAL DEPTH 48 m

BEARING 270 GRD

COMPLETED .....

ZONE COUPON 2

INCLINATION -SS RELOGGED BY I.M. GROVES

LAST AMENDED .....

HOLE No CRC 11  
LT 89

DEPTH (metres)		GRAPHIC LOG	ROCK TYPE	Mineral-ogr		COLOUR	TEXTURE	INTENSITY	GRAIN SIZE	WEATHERING	ALTERATION				VEINING		MINERALISATION				NOTES	% CHIPS	RECOVERY	SAMPLE No	ASSAYS (ppm)				
From	To			Major	Minor						Type	Intensity	Type	Intensity	Type	Vol %	Py	MASSIVE Fe Ox	DISS Fe Ox	Type					Vol %	Au	As	.	.
20	21		SZ			Gy/Br	S	3	F	1	L3	1		Q	1	Tc					10	50	306586	x	62				
21	22		SZ			Br	S	3	F	1	L3			Q	2						10	60							
22	23		QTZ /SZ			L.Br	M	3	-	L3	1			Q	Tc	Tc					10	80	306587	x	67				
23	24			L.Br	M	3	-	L3	1		Q	Tc	Tc								10	90							
24	25			L.Br	M	3	Tc	L3	2		Q	Tc	1								10	90	306588	x	30				
25	26			L.Br	M	3	Tc	L3	1				Tc								10	90							
26	27			L.Br	M	3	Tc	L3	1												10	100	306589	x	29				
27	28		L.Br	M	3	Tc	L3	1				Tc								10	60								
28	29		QTZ			Gy	M	3	Tc	L3	Tc			Q	Tc	Tc					10	100	306590	x	39				
29	30			Gy	M	3	-	L3	1		Q	1	Tc								10	60							
30	31			Gy	M	3	3	-			Q	3									10	60	306591	0.005	23				
31	32			Gy	M	3	3	-			Q	Tc	Tc								10	60							
32	33			Gy	M	3	3	-	L3	Tc	Q	1									10	60	306592	x	28				
33	34		Gy	M	3	3	-			Q	1									10	50								
34	35		QTZ			Gy	M	3	Tc	Q	Tc										10	90	306593	x	57				
35	36			Gy	M	3	3	1	L3	1											10	30							
36	37			Gy	M	3	3	1	L3	2	Q	1									10	35	306594	x	93				
37	38		Gy	M	3	3	2	L3	3	Q	Tc	Tc								10	30								
38	39		SS/ QTZ			Y/Br	M	3	3	L3	4			Q	Tc						10	30	306595	x	440				
39	40			Y/Br	M	3	4	L3	5		Q	Tc									10	40							

360096

0096

# ANALABS

360097

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

Phone (004) 316837

14 Thirkell St. COOEE TAS 7320

Fax (004) 318590

## ANALYTICAL REPORT No. 110600.60.08035

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

### INVOICE TO:

Mr P Jones  
Noranda Pty Ltd  
P.O. Box 287  
KETTERING TAS 7155

### ORDER No.

### PROJECT

### DATE RECEIVED

### RESULTS REQUIRED

04/06/91

ASAP

No. OF PAGES  
OF RESULTS

DATE  
REPORTED

No.  
OF COPIES

TOTAL No.  
OF SAMPLES

2

17/06/91

1

3

### SAMPLE NUMBERS

### SAMPLE DESCRIPTION

### ELEMENT/METHOD

5939/225969

DC Prep : GP009,GP011,GP018

Au,Au(R),Au(S)/G5309

225939/225969

DC Prep :

As/GX401

### REMARKS

RESULTS  
TO

Noranda Pty Ltd  
278 Stirling Highway  
CLAREMONT WA 6010

RESULTS  
TO

Mr P Jones  
Noranda Pty Ltd  
P.O. Box 287  
KETTERING TAS 7155

RESULTS  
TO

AUTHORISED OFFICER

0097

## ANALABS

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

360098

## ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No

PAGE

110600.60.07923

20/06/91

P. Jones

1 OF 4

TUBE No	SAMPLE No	Au	Au(R)	Au(S)	As	As				
1	T27901	0.005	-	<0.005	14	-				
2	T27902	0.015	-	-	20	-				
3	T27903	<0.005	-	-	51	-				
4	T27904	<0.005	-	-	22	-				
5	T27905	<0.005	-	-	24	-				
6	T27906	<0.005	-	-	9	-				
7	T27907	<0.005	-	-	9	-				
8	T27908	<0.005	-	-	9	-				
9	T27909	<0.005	-	-	2	-				
10	T27910	<0.005	-	-	1	-				
11	T27911	<0.005	<0.005	-	8	-				
12	T27912	<0.005	-	-	1	-				
13	T27913	<0.005	-	-	5	-				
14	T27914	0.005	-	-	14	-				
15	T27915	<0.005	-	-	<1	-				
16	T27916	<0.005	-	-	1	-				
17	T27917	<0.005	-	-	1	-				
18	T27918	<0.005	-	-	5	-				
19	T27919	<0.005	-	-	<1	-				
20	T27920	<0.005	-	-	3	-				
21	T27921	<0.005	<0.005	<0.005	1	-				
22	T27922	<0.005	-	-	2	-				
23	T27923	<0.005	-	-	16	-				
24	T27924	<0.005	-	-	1	-				
25	T27925	<0.005	-	-	1	-				

Results in ppm unless otherwise specified

T = element present; but concentration too low to measure

X = element concentration is below detection limit

- = element not determined

AUTHORISED  
OFFICER

0090

## ANALABS

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

360099

## ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No

PAGE

110600.60.07923

20/06/91

P. Jones

2 OF 4

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)	As	As				
1	T27926	<0.005	-	-	<1	-				
2	T27927	<0.005	-	-	14	-				
3	T27928	<0.005	-	-	1	-				
4	T27929	0.060	0.060	-	1	-				
5	T27930	<0.005	-	-	1	-				
6	T27931	<0.005	-	-	32	-				
7	T27932	<0.005	-	-	3	-				
8	T27933	<0.005	-	-	2	-				
9	T27934	<0.005	-	-	1	-				
10	T27935	<0.005	-	-	1	-				
11	T27936	<0.005	<0.005	-	<1	-				
12	T27937	<0.005	-	-	1	-				
13	T27938	<0.005	-	-	<1	-				
14	T27939	0.015	-	-	<1	-				
15	T27940	<0.005	-	-	15	-				
16	T27941	<0.005	-	-	14	-				
17	T27942	<0.005	-	-	15	-				
18	T27943	0.045	-	-	24	-				
19	T27944	0.015	-	-	44	-				
20	T27945	<0.005	-	-	22	-				
21	T27946	<0.005	<0.005	-	32	-				
22	T27947	<0.005	-	-	77	-				
23	T27948	<0.005	-	-	49	-				
24	T27949	0.005	-	-	45	-				
25	T27950	0.020	-	-	9	-				

Results in ppm unless otherwise specified

T = element present, but concentration too low to measure

X = element concentration is below detection limit

- = element not determined

AUTHORISED  
OFFICER

0099

## ANALABS

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

360100

## ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No

PAGE

110600.60.07923

20/06/91

P. Jones

3 OF 4

TUBE No.	SAMPLE No.	Au	Au (R)	Au (S)	As	As				
1	T27951	0.025	-	0.020	3	-				
2	T27952	0.015	-	-	3	-				
3	T27953	<0.005	-	-	5	-				
4	T27954	<0.005	-	-	1	-				
5	T27955	<0.005	-	-	2	-				
6	T27956	<0.005	-	-	1	-				
7	T27957	0.030	-	-	1	-				
8	T27958	<0.005	-	-	60	-				
9	T27959	<0.005	-	-	>100	120				
10	T27960	<0.005	-	-	20	-				
11	T27961	<0.005	<0.005	-	11	-				
12	T27962	<0.005	-	-	21	-				
13	T27963	0.030	-	-	46	-				
14	T27964	0.045	-	-	74	-				
15	T27965	0.170	0.140	-	2	-				
16	T27966	0.020	-	-	1	-				
17	T27967	0.045	0.045	-	1	-				
18	T27968	0.015	-	-	1	-				
19	T27969	0.030	-	-	>100	160				
20	T27970	<0.005	-	-	1	-				
21	T27971	<0.005	<0.005	-	1	-				
22	T27972	<0.005	-	-	1	-				
23	T27973	<0.005	-	-	1	-				
24	T27974	<0.005	-	-	1	-				
25	T27975	<0.005	-	-	19	-				

Results in ppm unless otherwise specified

T = element present, but concentration too low to measure

X = element concentration is below detection limit

- = element not determined

AUTHORISED  
OFFICER

0100

## ANALABS

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

360101

## ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No

PAGE

110600.60.07923

20/06/91

P. Jones

4 OF 4

TUBE No.	SAMPLE No.	AlI	AlI (R)	Au (S)	As	As			
1	T27976	<0.005	-	-	>100	360			
2	T27977	<0.005	-	-	67	-			
3	T27978	<0.005	-	-	67	-			
4	T27979	<0.005	-	-	32	-			
5	T27980	<0.005	-	-	12	-			
6	T27981	<0.005	-	-	22	-			
7	T27982	<0.005	-	-	17	-			
8	T27983	0.020	-	-	60	-			
9	T27984	<0.005	-	-	46	-			
10	T27985	<0.005	-	<0.005	39	-			
11	T27986	0.005	<0.005	-	2	-			
12	T27987	0.050	-	-	6	-			
13	T27988	<0.005	-	-	<1	-			
14	T27989	0.105	0.100	-	<1	-			
15	T27990	<0.005	-	-	<1	-			
16	T27991	0.010	-	-	<1	-			
17	T27992	<0.005	-	-	1	-			
18	T27993	0.010	-	-	1	-			
19	T27994	<0.005	-	-	<1	-			
20	T27995	<0.005	-	-	<1	-			
21									
22									
23	DETECTION	0.005	0.005	0.005	1	100			
24	UNITS	ppm	ppm	ppm	ppm	ppm			
25	METHOD	GG313	GG313	GG313	GA114	GA101			

Results in ppm unless otherwise specified

T = element present, but concentration too low to measure

X = element concentration is below detection limit

- = element not determined

AUTHORISED  
OFFICER



**LYNCHFORD**  
**EL 9/84**

5 cm

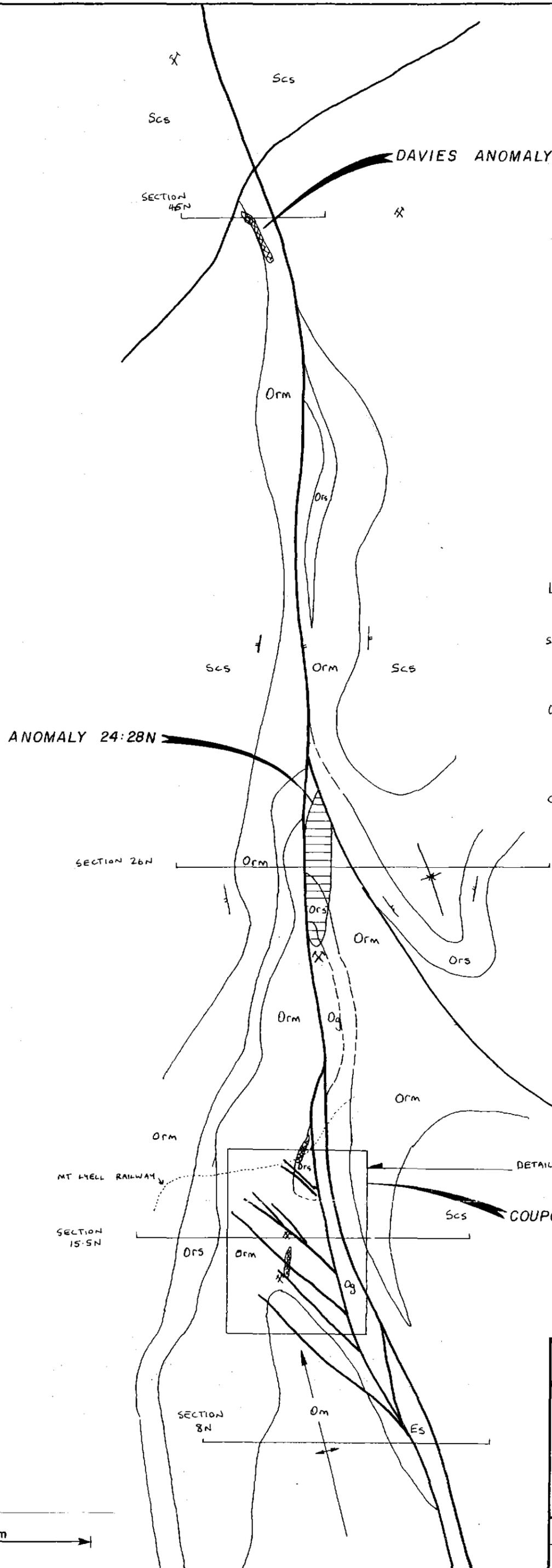
360102

**LOCATION**

20 km

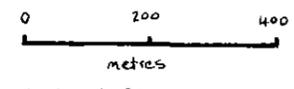
**FIGURE 1**



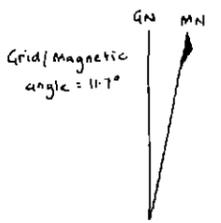


LEGEND

- SILURIAN Scs CROTH QUARTZITE - sandstone
- ORDOVICIAN Ors RINADEENA MUDSTONE - sandstone
- Orm - shale
- Og GORDON LIMESTONE
- Om MOINA SANDSTONE
- [Cross-hatched] - limonitic sandstone
- CAMBRIAN Es - Volcaniclastics
- Geological contact
- Geological contact favoured by author
- \* Synclinal axis
- / Bedding trend - dip
- Fault
- \* workings - adits, trench etc.
- [Horizontal lines] Anomalous Zone 24:28N



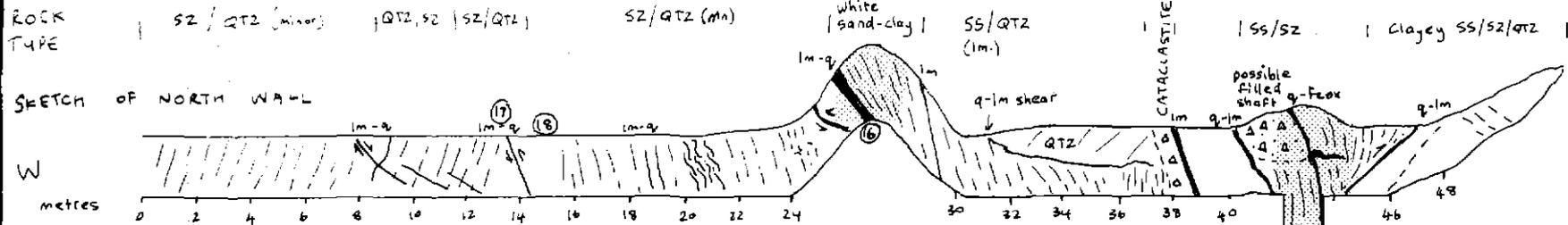
Scale 1:90 000 approximately



<b>PERILYA MINES N.L.</b>		
LYNCHFORD TENEMENT INTERPRETIVE GEOLOGY (CYPRUS / MINES DEPARTMENT)		
DATE 21.4.51	AUTHOR I.M.G	FIGURE NO <b>3</b>
SCALE 1:90 000 approx	DRAWN I.M.G	

ADIT 1400N/112W SECTION LOOKING NORTH

1:250



ADIT TREND 063°M | 085°M | 088°M

AS ppm	110	90	180	130	110	130	140	400	65	120	130	67	160	1850	40	1100	800	700	450	850	250	400		
GOLD ppm	0.15	0.10	0.10	0.09	0.03	0.01	0.08	0.28	30	X	0.10	X	0.10	1.40	0.04	N/S	N/S	0.18	0.19	0.09	0.11	1.84	0.20	0.05

LIMONITE ALTERATION INTENSITY

2	3	2	1	3	2	2	2	1	1	3	8	0	0.5	5	5	8	9	10	6	9	6	6	8
---	---	---	---	---	---	---	---	---	---	---	---	---	-----	---	---	---	---	----	---	---	---	---	---

SAMPLE Au Assay result

12	0.48 g/t Au
13	0.35 g/t Au
14	0.06 g/t Au
15	0.12 g/t Au
16	0.68 g/t Au
17	0.59 g/t Au
18	0.04 g/t Au

BEDDING

176 / 85	812 / 70	024 / 74	014 / 88	008 / 82	002 / 82	015 / 78	018 / 74	028 / 60	159 / 55	179 / 61	171 / 62	014 / 95	172 / 40
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QUARTZ VEINS

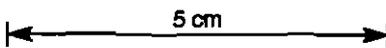
150 / 76	122 / 32	152 / 48	152 / 58	002 / 82	152 / 70	112 / 60	variable	160 / 30	150 / 48		
1/50	1/30	1/50	2/70	1/50	1/10	5/1	1/2	1/3	1/1	5/2	5/30

FRACTURES per metre

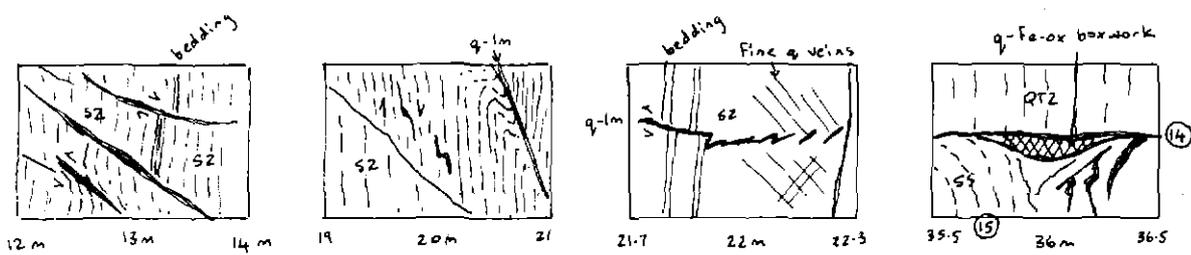
156 / 33	134 / 54	122 / 52	152 / 70	140 / 70	42 / 065	50 / 054	016 / 62	63 / 30	20 / 055					
30	30	50	30	100	50	100	20	10	60	50	30	10	10	60

OTHER

Flat sink planes	136-150	F 53 / 111	F 60 / 112	076 / 30	48 / 150
------------------	---------	------------	------------	----------	----------



SKETCHES SECTIONS ON NORTH WALL



12m 13m 14m Quartz-limonite shears (reverse and normal?)

19 20m 21 Highly deformed zone with sigmoidal pressure shadows

21.7 22m 22.3 Flat reverse shears and associated fractures

35.5 36m 36.5 Flat dipping quartz-limonite shear - contact QTZ and SS (lm)

PERILYA MINES N.L.

LYNCHFORD - COUPON PROSPECT  
SECTION of ADIT  
1400N/112W

ALL MEASUREMENTS ARE SHOWN IN PLAN

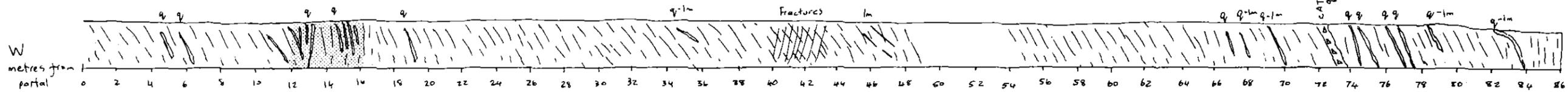
DATE 23.4.91	AUTHOR I.M.G.	FIGURE NO
SCALE 1:250	DRAWN I.M.G.	4

0114

360105

Rock type is siltstone, grey to brown depending on limonite intensity

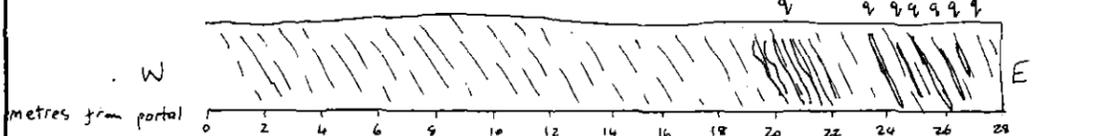
SKETCH OF NORTH WALL



	080°M										075°M										070°M																							
AS ppm	32	63	96	400	1050	900	6250	700	11	15	9	8	6	6	7	7	12	13	11	12	15	15	10	12	12	9	6	10	11	9	9	12	11	14	12	70	170	400	470	20	400	450		
GOLD ppm	x	x	0.05	0.02	0.04	0.14	3.46	0.72	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	0.01	0.01	0.10	0.08	0.05	0.01	x	0.01	
LIMONITE ALTERATION INTENSITY	1	6	6	5	0					0	1	2	4	3			3	2		2	5	3	0	5	6	2	3	2	0	4	8	4			4				4	3				
BEDDING	005 160	152 150	104 104							160 70	162 70						150 68	155 72	160 65	150 65				145 75	145 60	140 80							147 70	142 65					127 75	120				
QUARTZ VEINS				005 40					176 80																																			
FRACTURES				5/10 40					085 35	50				160 30									020 14																					

ADIT 1400N/200W SECTION LOOKING NORTH  
1:250 (Vertical exaggeration x2)

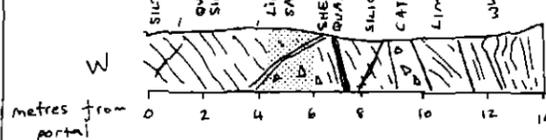
SKETCH OF NORTH WALL



	120°M										040°M			030°M			
AS ppm	150	15	13	15	14	37	50	57	50	24	71	77	110	90			
GOLD ppm	0.04	x	x	x	x	0.01	0.01	0.02	0.01	x	0.01	0.06	0.07	0.02			
LIMONITE ALTERATION INTENSITY						3						4					
BEDDING						168 70	093 80	156 70				170 70					
FRACTURES						160 30	155 60										

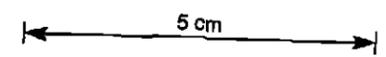
ADIT 1400N/80W SECTION LOOKING NORTH  
1:250

ROCK TYPE



	096°M									
AS ppm	600	200	1000	1400	2000	1000	900			
GOLD ppm	0.12	0.08	0.99	0.37	0.20	0.18	0.14			
LIMONITE ALTERATION INTENSITY	4	4	6	6	8	5	7			
BEDDING	008 55	175 41	020 68	015 40	037 75	022 70	017 70			
QUARTZ VEINS	45 060		135 30							// bedding 2/5
FRACTURES	033 65	042 43	173 50				160 58			
OTHER			173 45		012 32					Shear small shear

91-3275.



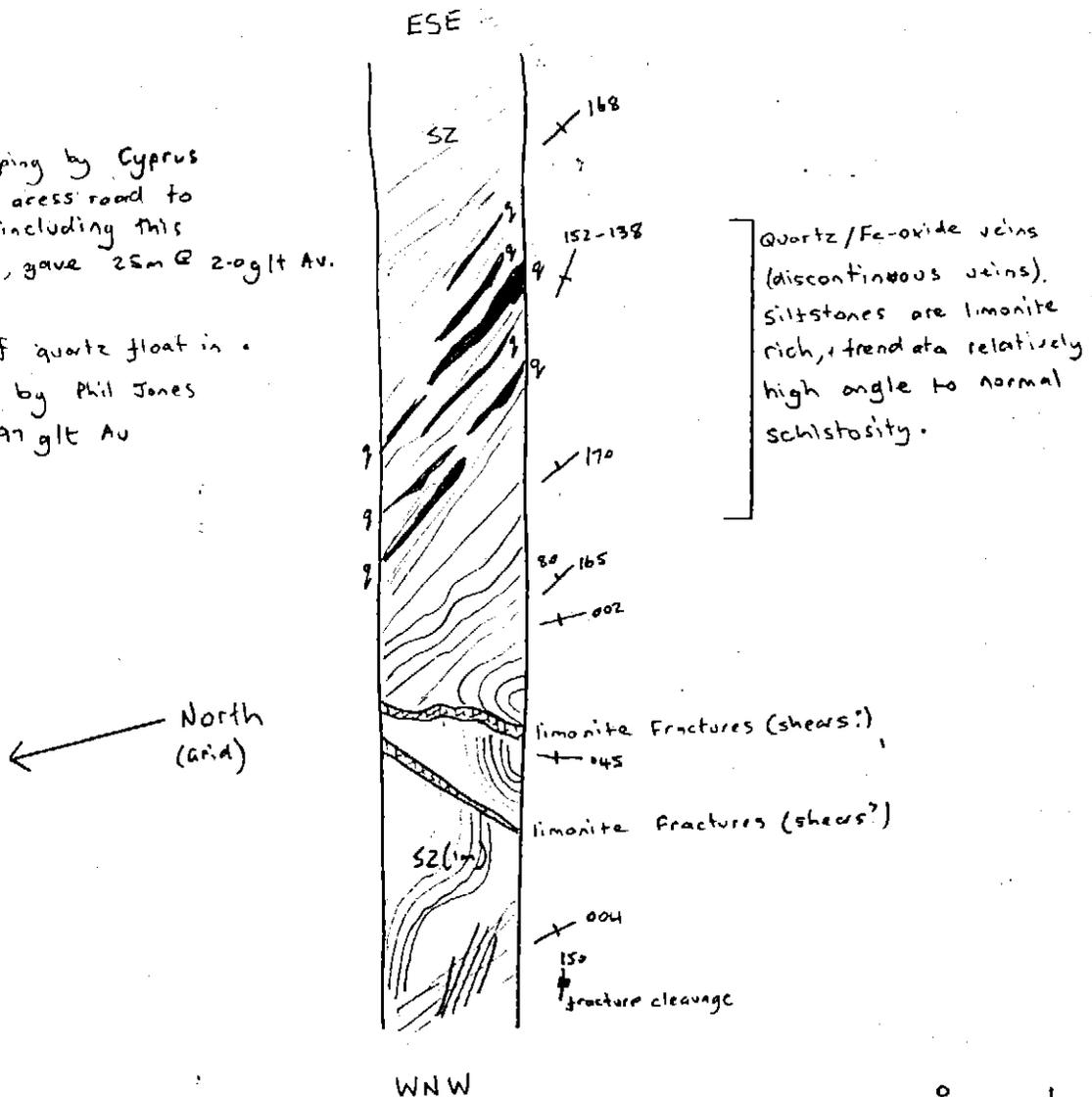
**PERILYA MINES N.L.**

LYNCHFORD-COUPON PROSPECT  
SECTIONS OF 3 ADITS AT  
THE COUPON PROSPECT

DATE 18.4.91	AUTHOR I.M.G	FIGURE NO
SCALE 1:250	DRAWN I.M.G	5

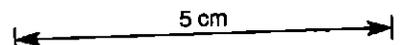
Rock-chipping by Cyprus along the access road to CRC 10 (including this road cut), gave 25m @ 2.0g/t Au.

Samples of quartz float in this area by Phil Jones gave 0.97 g/t Au

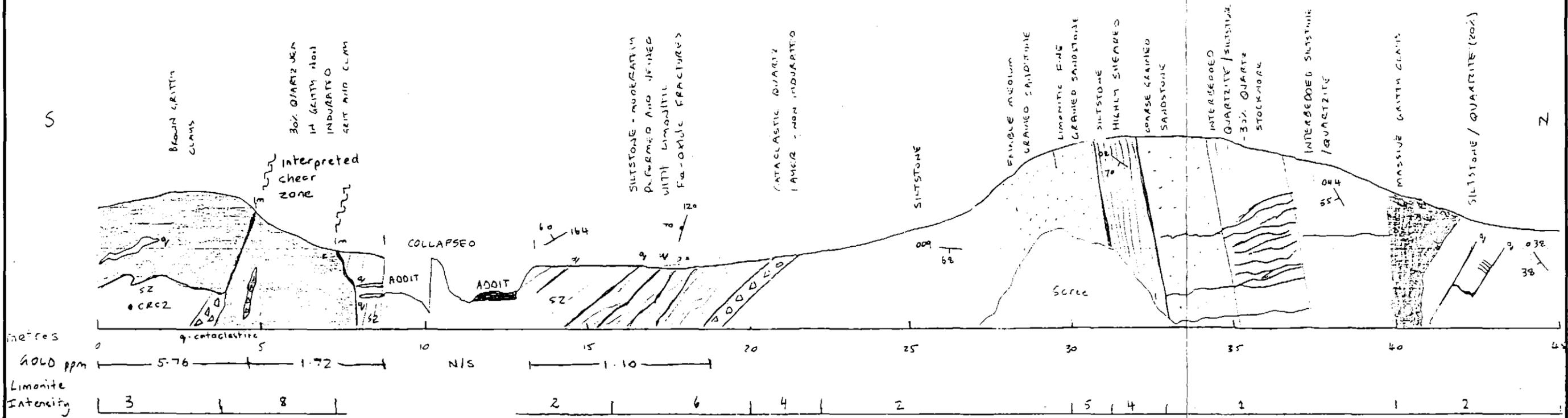


SKETCH PLAN OF ACCESS TRACK TO CRC 10

This plan shows the complexity of a mineralised zone, with 045° trending limonitic fractures which are probably small shears, and quartz-Fe-oxide veins parallel to schistosity in a local flexure. Pervasive limonite in the host rocks is present adjacent to veins and fractures.



PERILYA MINES N.L.		
LYNCHFORD - COUPON PROSPECT		
MINERALISATION IN		
ACCESS TRACK TO CRC 10		
DATE 18. 4.91	AUTHOR I.M.G	FIGURE NO 6
SCALE	DRAWN I.M.G	



Horizontal scale 1:125 (approx).  
 $V = H \times 1.5$

91-3275.

5 cm

**FIELD SKETCH**

NORTH-SOUTH SECTION ALONG ROAD CUT LOOKING WEST  
 DRILL HOLE CRC2 TO LINE 1550N (APPROXIMATELY)

The shear zone is marked by a weathered gritty clay with 30% quartz veins, cataclastic quartz zones and is limonite rich, being bounded by limonitic fractures. To the north (15m), quartz-veined siltstones (with thin limonite alteration halos) are moderately deformed with kink bands and undulating schistosity. This zone is bounded to the north (at 20m) by a non-indurated cataclastic quartz layer adjacent to relatively undeformed siltstones.

Another zone of intense deformation in a siltstone is present at 32m and is bedding parallel adjacent to more competent quartzite/siltstone and sandstone units. The competent quartzite/siltstone unit is heavily veined with moderately-flat dipping quartz vein (assay about 0.20 g/t Au). At the northern part of the section, quartz veins in a siltstone/quartzite unit, are bedding parallel but also cross-cut bedding/schistosity with flat dips.

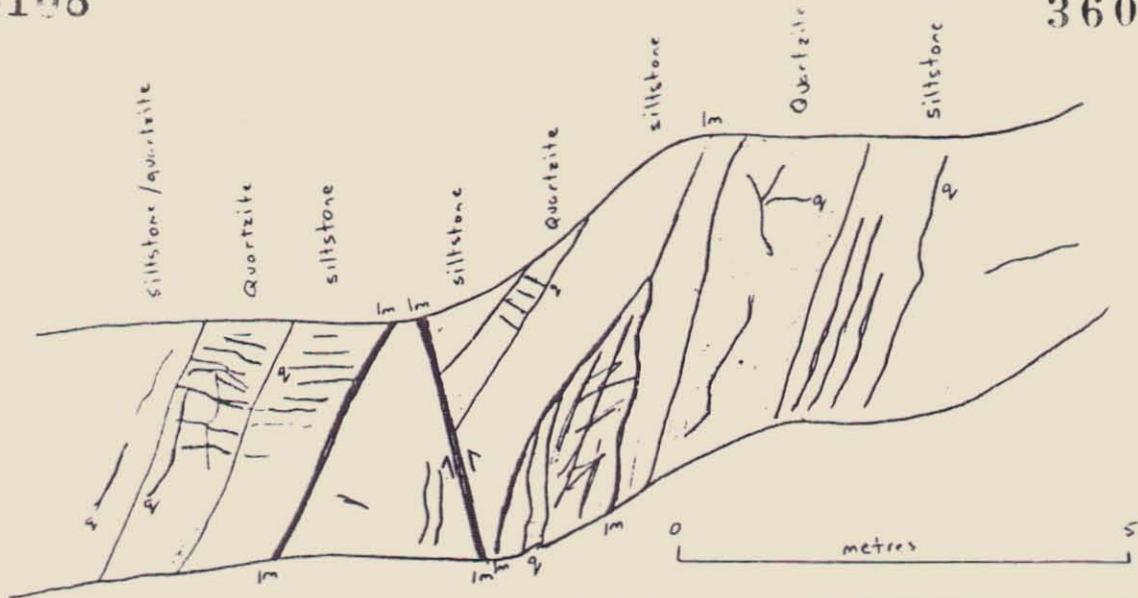
**PERILYA MINES N.L.**

LYNCHFORD - COUPON PROSPECT  
 GEOLOGICAL SECTION  
 LOOKING WEST  
 FROM CRC 2 TO 1550N

DATE 18.6.91	AUTHOR I.M.G.	FIGURE NO
SCALE 1:125	DRAWN I.M.G.	7

0198

360109



0 metres 2.5

SECTION ALONG ISOON ROAD CUT, NEAR CRC2  
SKETCH AND PHOTO TOWARDS THE SOUTH

5 cm

Rocks south of a main shear zone are sheared along 10cm wide limonite/massive Fe-oxide fractures which displace stratigraphy by at least 1 metre. Quartz veins (probably mineralised - low grade) are generally bedding-parallel in siltstones but cross-cut quartzites, with a flat dip and at a high angle to stratigraphy

PERILYA MINES N.L.

LYNCHFORD - COUPON PROSPECT

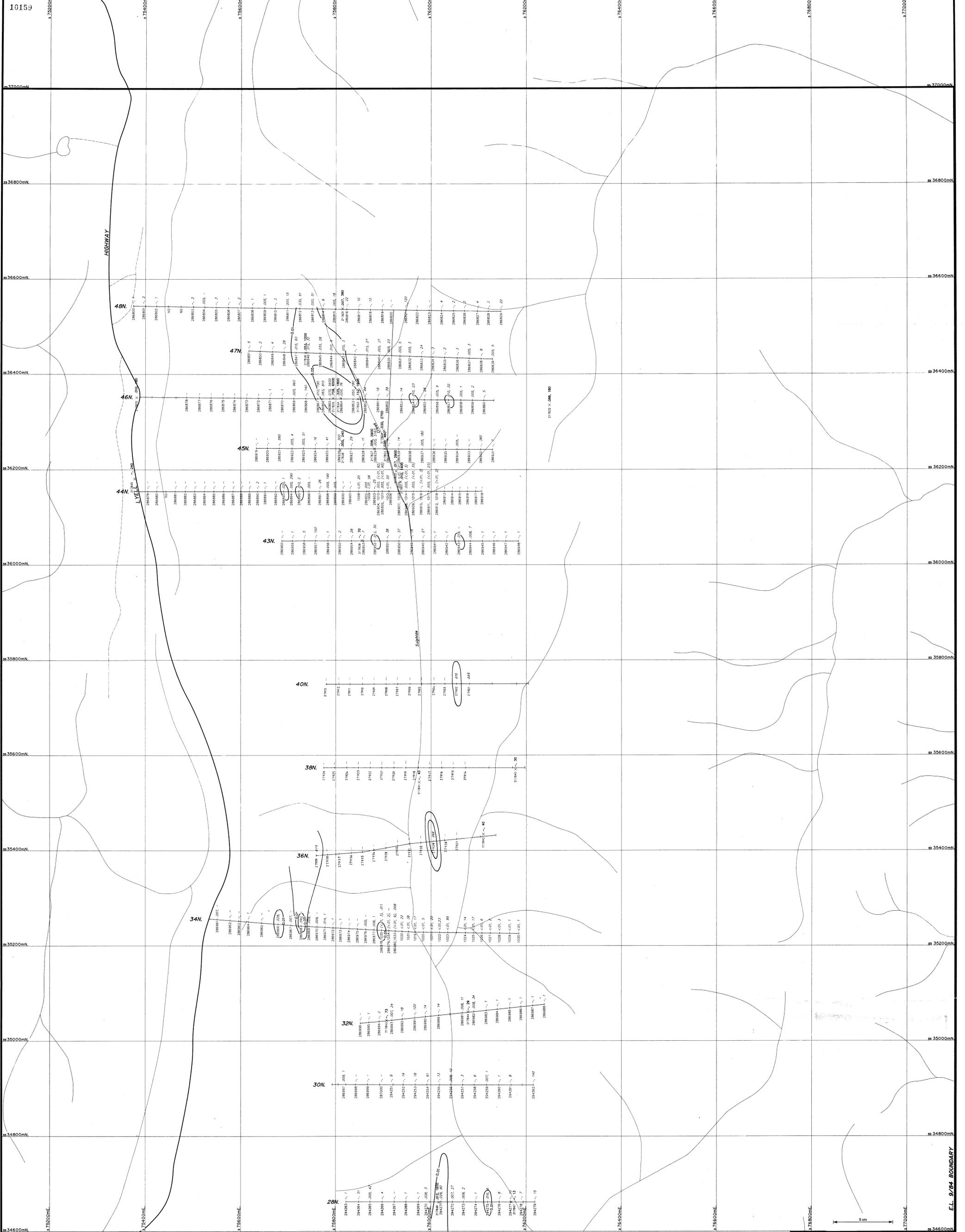
**MINERALISATION IN THIN  
SHEARS, NEAR CRC2**

DATE 18.4.91 AUTHOR IMG

FIGURE NO

SCALE DRAWN IMG

8



**CONTOUR INTERVAL**

□	>0.10 ppm
□	0.05 - 0.10
□	0.0 - 0.05

**SAMPLE DUPLICATES**

TRIKON - Samples 4 digits, Assays (C 01,20)

CYPRUS - Samples 6 digits, Assays 006,30

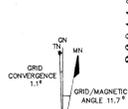
**SAMPLE KEY**

SOIL 281027-4u ppm, 4u ppm

WACKER

ROCK

— denotes <0.005ppm Au, <1ppm As



CYPRUS GOLD & MONTROYAL MINING J.V.

LYNCHFORD - E.L. 9/84

**SHEET 1**

**GOLD CONTOURS**

**SOIL, WACKER & ROCK**

**GEOCHEMISTRY**

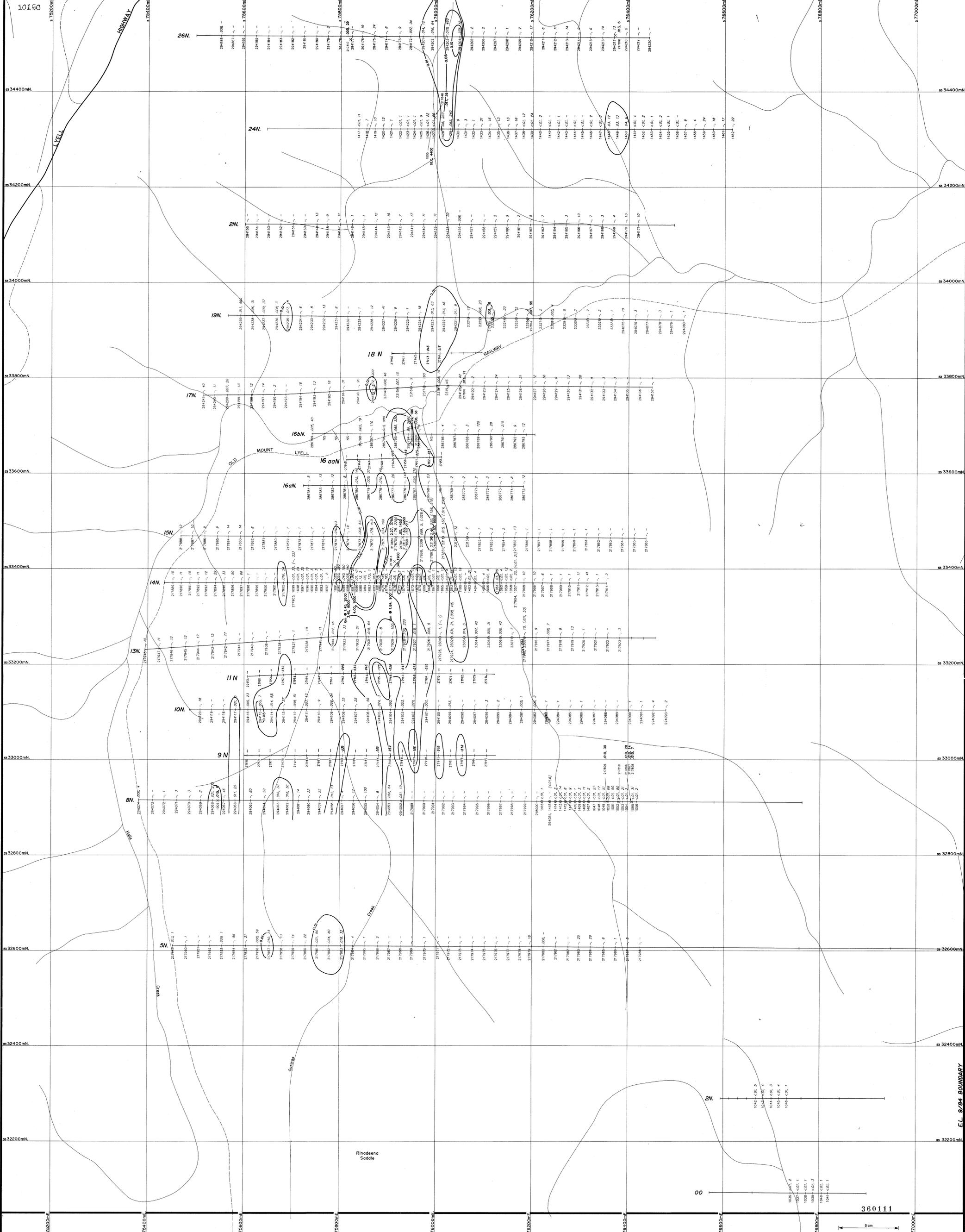
SCALE 1:2500

FIG. ENCLOSURE 1

91-3215

N.W. Coast Computer Aided Drafting Centre, Phone 1004 354331 Fax 1004 354493

E.L. 9/84 BOUNDARY



**CONTOUR INTERVAL**

□	>0.10 ppm
□	0.05 - 0.10
□	0.01 - 0.05

**SAMPLE DUPLICATES**

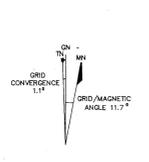
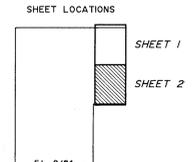
TRKON - Samples 4 digits, Assays (<0.20)

CYPRUS - Samples 6 digits, Assays 0.06,30

**SAMPLE KEY**

SIZE 20x10 mm, As ppm  
MAKER  
PROD

denotes <0.005ppm Au, <1ppm As



CYPRUS GOLD & MONTROYAL MINING J.V.

**LYNCHFORD - E.L. 9/84**

**SHEET 2**

**GOLD CONTOURS**

**SOIL, WACKER & ROCK**

**GEOCHEMISTRY**

SCALE 1 : 2500

FIG. 360111

ENCLOSURE 2

91-3275

N.W. Coast Computer Aided Drafting Centre, Phone (024) 234353

**DRAWN BY:** R.P.

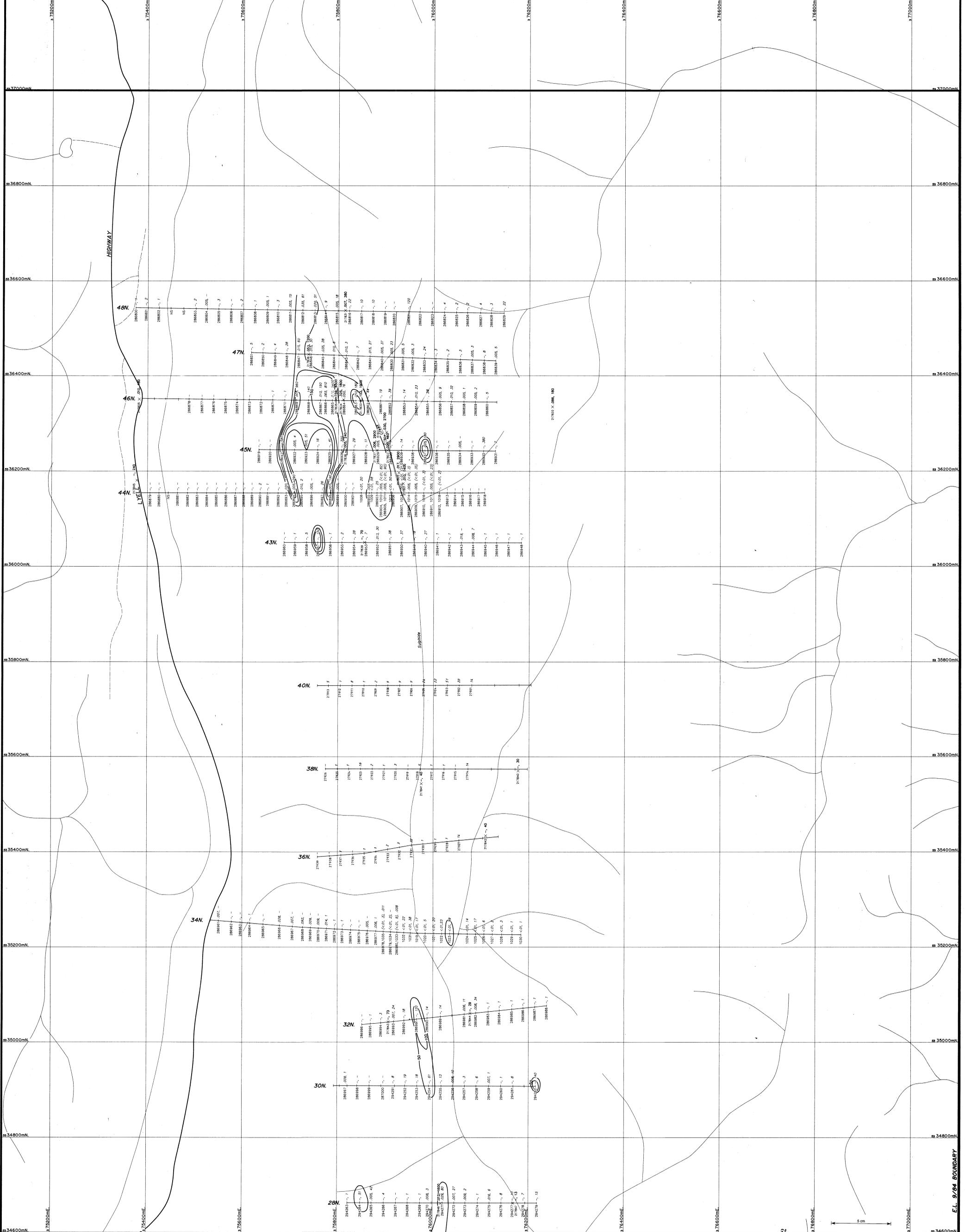
**DRAFTSMAN:** T.G.D.S.

**DATE:** 1 April '89

**REVISIONS:**

**FILE No.:**

**FIG.:**



**CONTOUR INTERVAL**

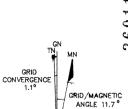
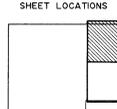
□	>150 ppm
□	100 - 150
□	50 - 100

**SAMPLE DUPLICATES**

TRKON	- Samples 4 digits, Assays 000.00
CYPRUS	- Samples 6 digits, Assays 006.30

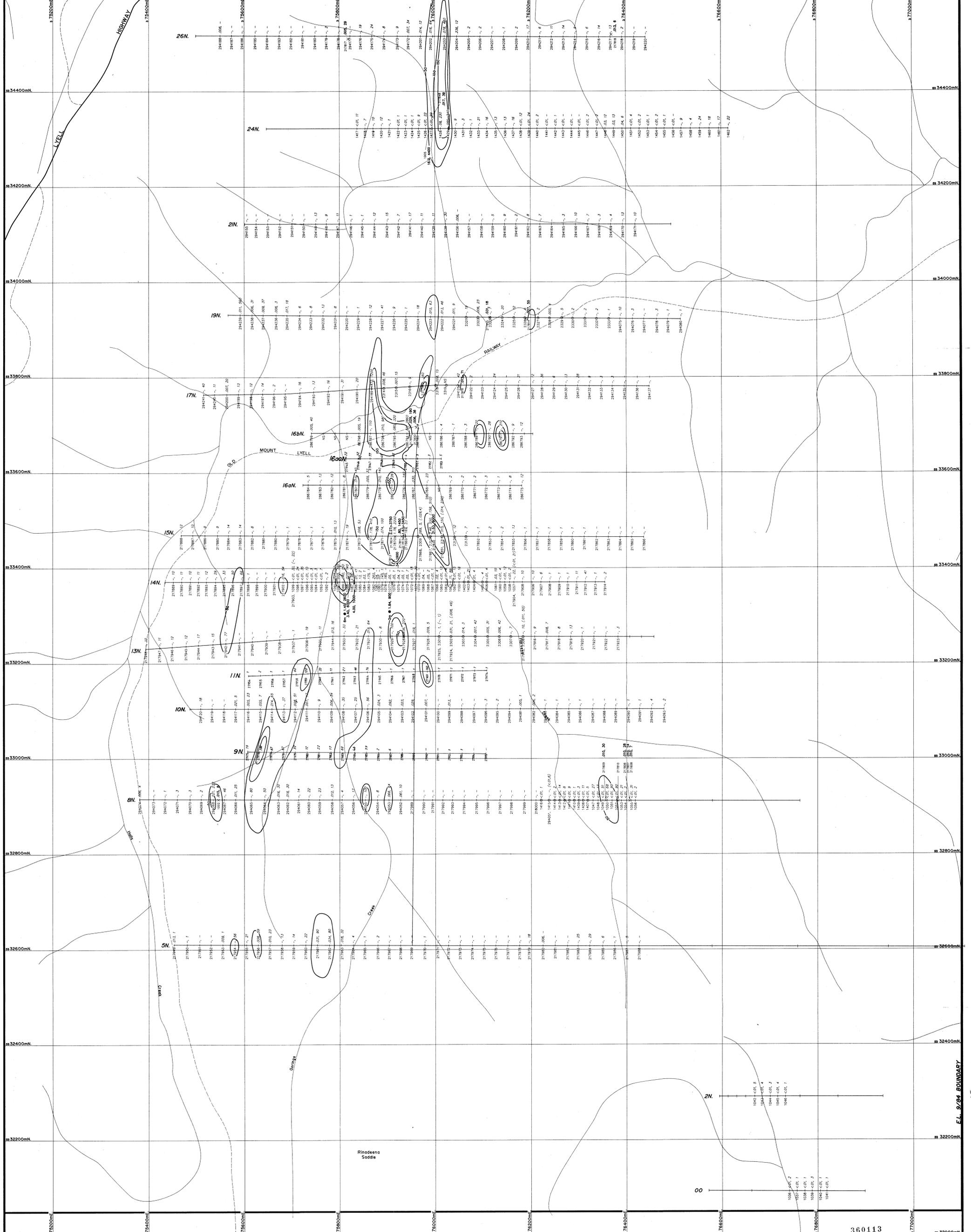
**SAMPLE KEY**

○	Soil
○	Wacker
○	Rock



CYPRUS GOLD & MONTROYAL MINING J.V.	
LYNCHFORD - E.L. 9/84	
SHEET 1	
ARSENIC CONTOURS	
SOIL, WACKER & ROCK	
GEOCHEMISTRY	
SCALE 1:2500	FIG.

E.L. 9/84 BOUNDARY



**CONTOUR INTERVAL**

□	>100 ppm
□	100 - 100
□	50 - 100

**SAMPLE DUPLICATES**

TRIKON - .Samples 4 digits, .Assays 4,0,0,201

CYPRUS - .Samples 6 digits, .Assays 000,30

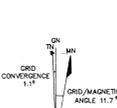
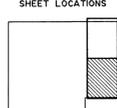
**SAMPLE KEY**

SOIL 241105 - Au ppm, As ppm

WACKER

ROCK

- denotes <0.005ppm Au, <1ppm As



360113

CYPRUS GOLD & MONTROYAL MINING J.V.

**LYNCHFORD - E.L. 9/84**

**SHEET 2**

**ARSENIC CONTOURS**

**SOIL, WACKER & ROCK**

**GEOCHEMISTRY**

SCALE 1 : 2500

5cm

ENCLOSURE 4

N.W. Coast Computer Aided Drafting Centre, Phone 1004 354333 Fax 1004 354480

DRAWN BY :	R.P.
DRAFTSMAN :	T.G.D.S.
DATE :	April '89
REVISIONS :	
FILE NO. :	
FIG. :	

34400mN, 34200mN, 34000mN, 33800mN, 33600mN, 33400mN, 33200mN, 33000mN, 32800mN, 32600mN, 32400mN, 32200mN, 32000mN

376000mE, 374000mE, 372000mE, 370000mE, 368000mE, 366000mE, 364000mE, 362000mE, 360000mE

EL 9/84

24-28N Anomaly

HARVEY CREEK FAULT

Coupon Prospect

Coupon workings

Rinadeena Saddle

360114

GEOLOGY-FACT

Siltstone	[Symbol]
Limestone	[Symbol]
Sandstone	[Symbol]
Volcaniclastic	[Symbol]
Limonitic sandstone/siltstone	[Symbol]

SYMBOLS

Dip and strike	[Symbol]
Bedding	[Symbol]
Fault	[Symbol]
Geological contact	[Symbol]
Trench	[Symbol]
Spring	[Symbol]
Well	[Symbol]
Old road	[Symbol]

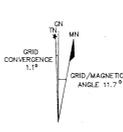
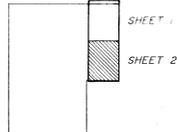
RECENT

Gravel	[Symbol]
Croftly Quartzite-sandstone	[Symbol]
Gordon Limestone	[Symbol]
Moina Sandstone	[Symbol]

ORDOVICIAN

Limonitic sandstone	[Symbol]
Rinadeena Mudstone-shale	[Symbol]
Gordon Limestone	[Symbol]
Moina Sandstone	[Symbol]
Volcaniclastics	[Symbol]

SHEET LOCATIONS



CYPRUS GOLD & MONTROYAL MINING J.V.

LYNCHFORD E.L. 9/84

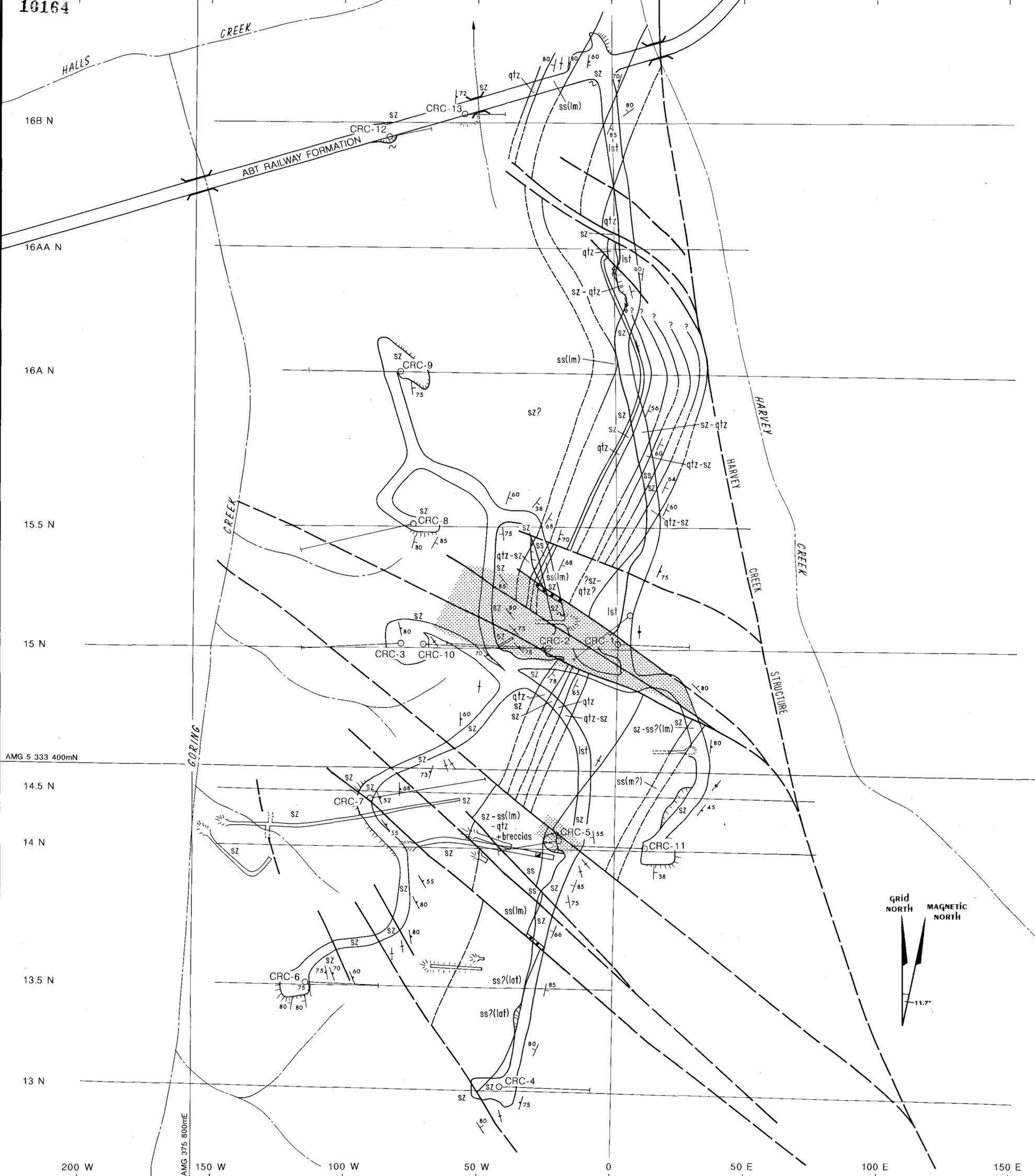
SHEET 2

Interpretive Geology

SCALE 1:2500

91-3275

ENCLOSURE 5



**LEGEND**

sz	Siltstone - shale (generally grey-pink)	fault/shear zone (interpreted)
qtz	Fine-grained quartzite beds (possibly sandstone precursor) - usually heavily quartz veined	shear zone - pervasive deformation
sz-qtz	Interbedded thin siltstone/quartzite units	dip and strike bedding/schistosity
qtz-sz	Quartzite with phyllite (micaceous) partings and minor siltstone	vertical bedding/schistosity
ss	Coarse-grained clean quartz sandstone (porous, possibly desilicified)	fold and plunge direction
ss(lm)	Limonitic fine-grained sandstone	small kink? folds
ss(lat)	Limonitic laterite interpreted to be weathered ss(lm)	road
sz-ss-qtz + breccia	Undeterminable mixed stratigraphy + breccias	drill hole
lst	Decarbonated, black/orange cw limestone	costean
cataclastic quartz	(non indurated - semi indurated)	adit
		creek

**Perilya Mines N.L.**

COUPON PROSPECT      LYNCHFORD PROJECT

**GEOLOGY 91-3275**

360115

SCALE 1 : 1 000

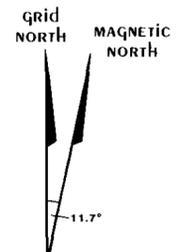
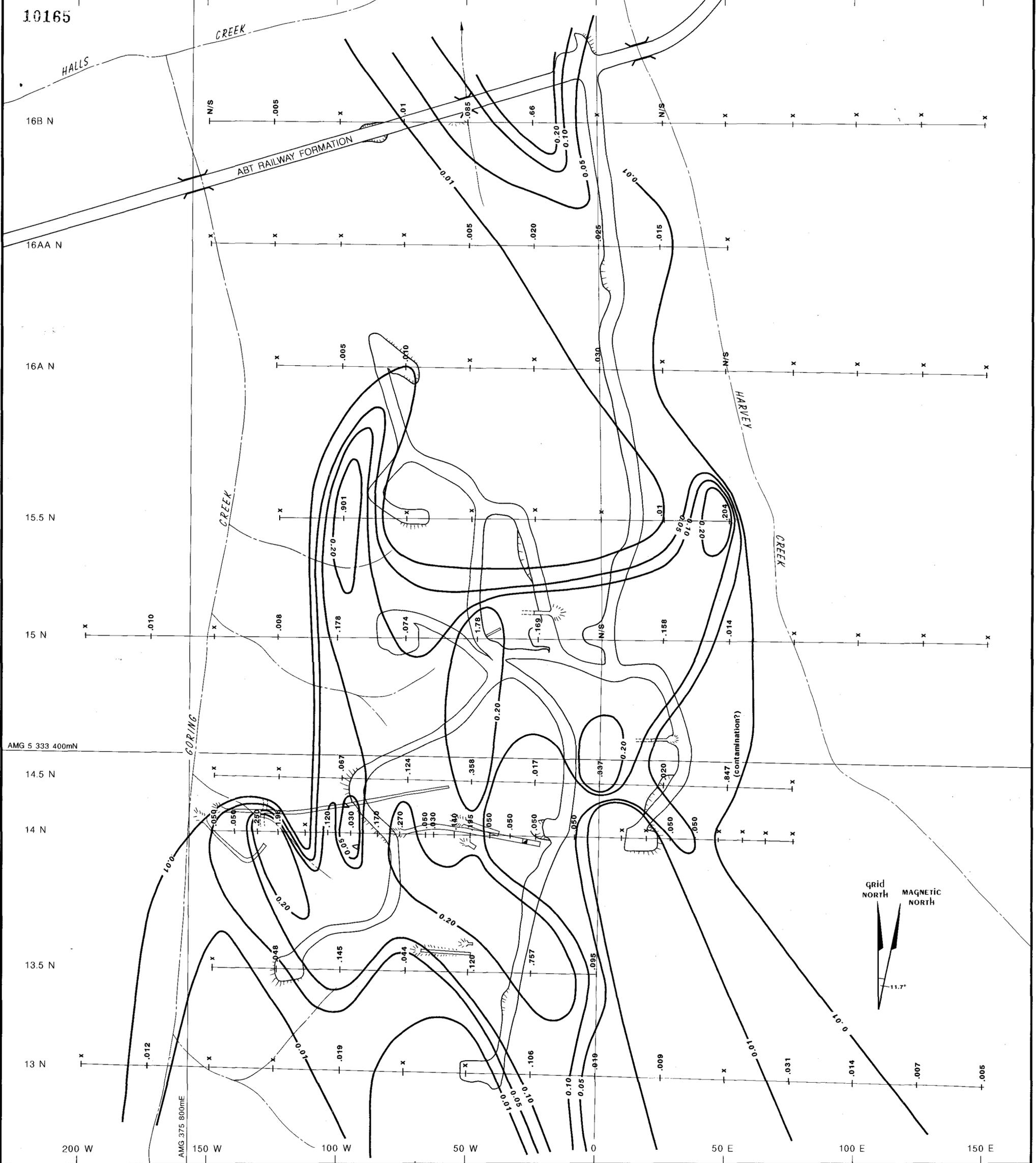
0    20    40    60    80    100  
metres

Compiled: P.A. JONES      Date: JULY, 1991

Drawn: CO-ORDINATED DRAFTING      Drawing No.: ENCLOSURE 6

5 cm

10165

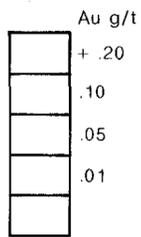


LOCATION MAP



LEGEND

- TRACK
  - CREEK
  - ADIT
  - GRID LINE
  - PROSPECTING TRENCH
- SOIL VALUES IN g/t Au
- x <0.008
  - N/S NOT SAMPLED - IN DEEP ALLUVIUM



# Perilya Mines N.L.

COUPON PROSPECT 360116 LYNCHFORD PROJECT

## SOIL GEOCHEMISTRY - GOLD

5 cm

SCALE 1 : 1 000



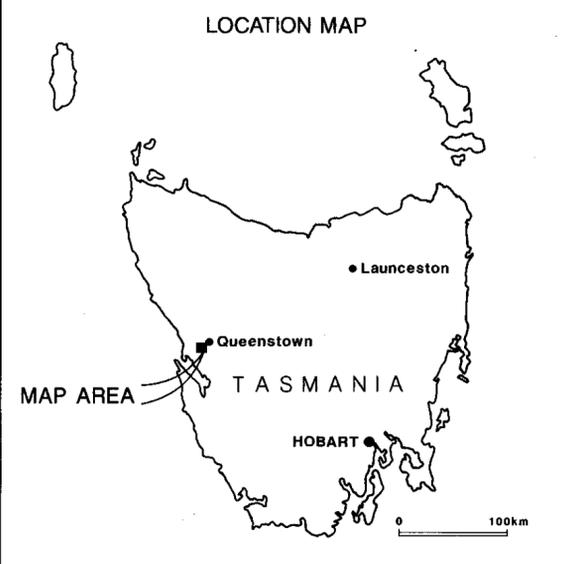
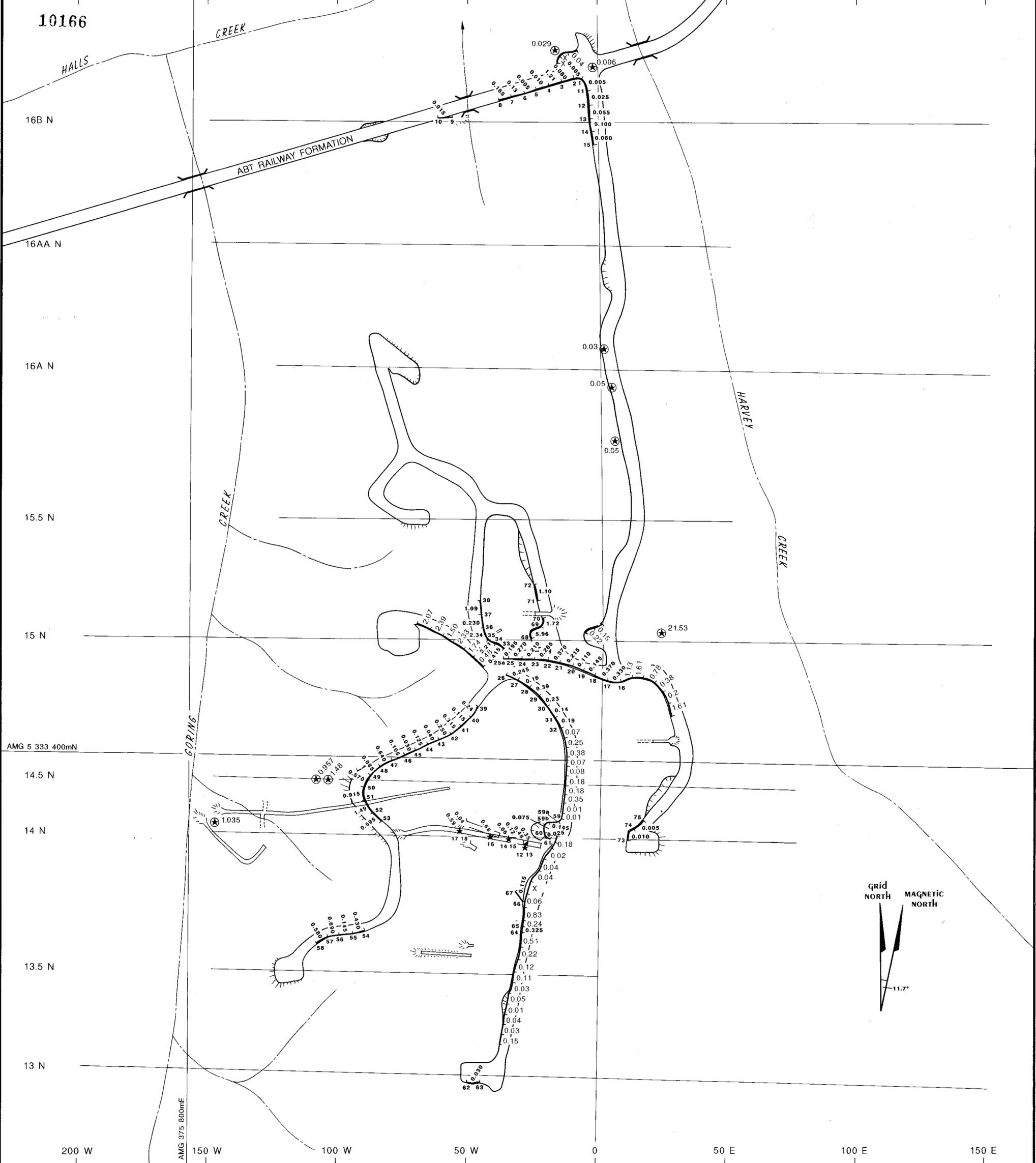
Compiled: P.A. JONES

Date: JUNE, 1991

Drawn: CO-ORDINATED DRAFTING

Drawing No.: ENCLOSURE 7

10166



**LEGEND**

	TRACK		0.06 ★ 14	ROCK CHIP SAMPLE
	CREEK		1.035	CYPRUS
	ADIT	<b>CHANNEL SAMPLING</b>		
	14 N — GRID LINE	39	0.24	STATION INTERVALS
	PROSPECTING TRENCH	40	0.115	
		41	0.315	
		42	0.250	Au IN g/t
		43	0.040	
		44	0.125	PERILYA'S VALUES
		45	0.7	
			0.25	CYPRUS VALUES
			0.38	
			0.07	

360117

# Perilya Mines N.L.

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COUPON PROSPECT
LYNCHFORD PROJECT

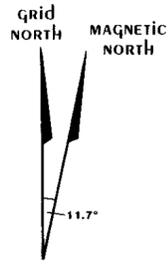
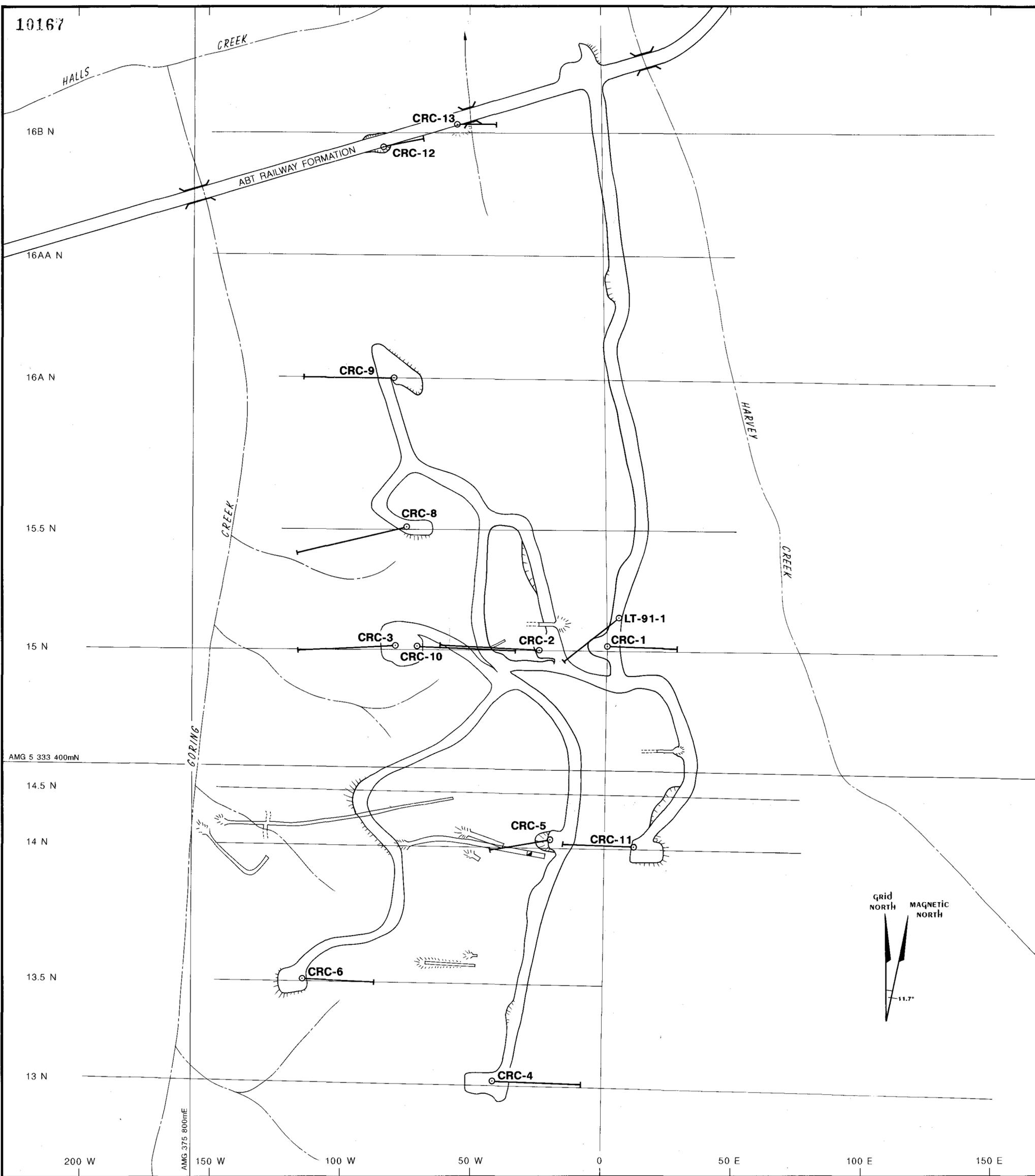
## ROCK CHIP / CHANNEL SAMPLING GEOCHEMISTRY - GOLD

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SCALE 1 : 1 000

Compiled: P.A. JONES	Date: JUNE, 1991
Drawn: CO-ORDINATED DRAFTING	Drawing No.: ENCLOSURE 8

5 cm



LEGEND

	TRACK		DRILL HOLE & NUMBER REVERSE CIRCULATION
	CREEK		DRILL HOLE & NUMBER - DIAMOND
	ADIT		
	GRID LINE		
	PROSPECTING TRENCH		

360118

**Perilya Mines N.L.**

COUPON PROSPECT      LYNCHFORD PROJECT

**DRILL LOCATION MAP**

SCALE 1 : 1 000

0    20    40    60    80    100  
metres

Compiled: P.A. JONES	Date: JUNE, 1991
Drawn: CO-ORDINATED DRAFTING	Drawing No.: ENCLOSURE 9

5 cm