



METALS EXPLORATION LTD. (INCORPORATED IN VICTORIA)

1ST FLOOR WEST, 260 AUBURN ROAD, HAWTHORN 3122, AUSTRALIA. TELEPHONE (03) 819 5933. FACSIMILE (03) 819 1701.

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HEAZLEWOOD PROSPECTS

NORTH WEST TASMANIA

EL 21/85

ANNUAL REPORT FOR THE PERIOD ENDING 1.12.87

YEAR 2 (2.12.86 - 1.12.87)

REPORT NO. 212004

VOLUME 1 OF 2

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T.G. SUMMONS  
 K.C. MORRISON

February, 1988

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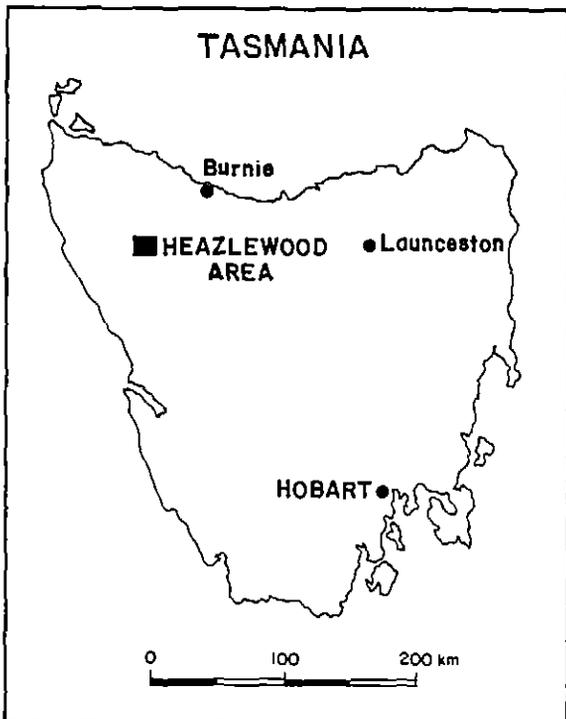
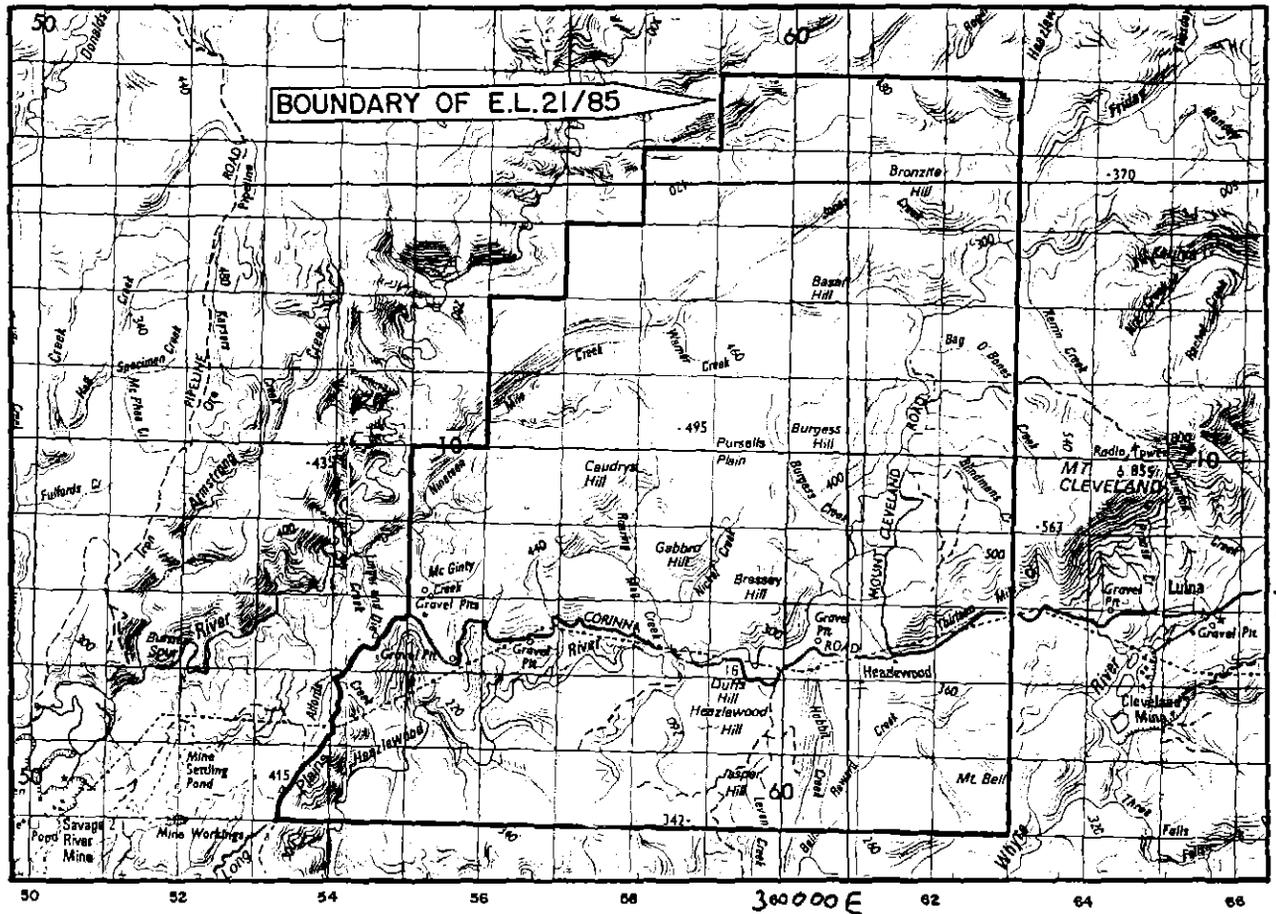
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145°20'

41°25'



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HEAZLEWOOD PROSPECT  
N.W. TASMANIA  
E.L.21/85

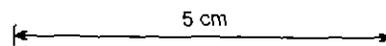
**LOCATION MAP**

Scale 1:100,000



Drg.No 02/HZ/2/01 **Figure 1**

AMG REFERENCE POINTS ADDED



EL 21/85 HEAZLEWOOD  
ANNUAL REPORT  
YEAR 2 (2/12/86 - 1/12/87)

TENEMENT INFORMATION

EL 21/85 is a 72 km<sup>2</sup> block, centred approximately 8 km N.E. of the Savage River iron ore mine and approximately 6 km N.W. of the Cleveland tin mine, N.W. Tasmania (Fig. 1). The tenement was granted on 1/12/1985 and is 100% owned by Metals Exploration Ltd. To date none of the EL has been relinquished.

SUMMARY OF PREVIOUS EXPLORATION

In Year 1, the Heazlewood Igneous Complex was mapped and covered by a broad stream sediment sampling programme. The stream sediment work confirmed the prospectivity of the western margin of the complex for refractory PGEs. Mapping of the igneous complex at varying scales has shown the broad divisions currently in use in the literature to be generally valid, but that a greater diversity of mafic and ultramafic lithologies is present. The occurrence of highly depleted and refractory melt products in conjunction with plagioclase bearing mafic and ultramafic differentiates of a tholeiitic melt, may have facilitated the formation of PGE sulphides during first and second phase magma mixing.

Mineralisation, confirmed or newly discovered in the area includes: PGE alloys in the western area, traces of ? hydrothermal PGE in the eastern area, nickel sulphide in both areas, and base metals in the eastern area.

SUMMARY OF EXPLORATION, YEAR 2

Line cutting and gridding was completed over three areas as follows :-

Brassey grid - 18.6 km

Burgess grid - 9.4 km

Fentons grid - 28 km

Mapping of the Brassey and Burgess grids has shown the presence of chromitite rich zones hosted in both serpentinised dunite and coarse grained orthopyroxenite, (and frequently in a hybrid dunite pyroxenite host).

Mapping of part of Fentons grid has revealed the presence of narrow N-S trending chromitite bodies which are frequently associated with coarse grained pyroxenite pods.

An intensive programme of stream sediment sampling was undertaken on all three areas of interest (Brassey, Burgess and Fentons). Preliminary interpretation of the results suggests several PGE associations including Os-Ir-Ru-Pt, Pt-Pd, and Pt-Rh-Pd are present.

The planned programmes of trenching on the Brassey, Burgess and Fentons areas had to be abandoned due to the excessively wet summer weather.

Caudrys prospect was tested with several channel samples and four open drill holes (totalling 187 m), and Purcells prospect was tested with a grid of hand auger holes totalling 47 m.

Results obtained from the Heazlewood project justify the substantial programme of mapping, trenching and drilling committed for the following year.

## REGIONAL SURVEYS

### 1. STREAM SEDIMENT SURVEY

As a follow-up to the results obtained from the reconnaissance stream sediment survey completed in Year 1, a more detailed survey was carried out. The ultramafic rocks at Heazlewood are drained by an extensive network of streams with a distribution ideal for a geochemical survey (see Appendix 2). For much of the year, the water flow and bed load sediment availability in the streams is ideal for panning and in dry periods when the streams are too low for panning, dry screening would be a practical alternative, albeit not so effective, because of difficulty in obtaining thoroughly dry material from creek beds in western Tasmania.

The method used for the Heazlewood survey was to take composite stream bed samples, with sample site centres approximately 200 metres apart. All stream intersections were sampled. The composite samples were obtained by using a garden trowel and digging into the sites of natural sediment trapping on the stream beds. Two heaped 34 cm diameter panning dishes of sediment were collected for each composite sample. This represents approximately 10 kg of wet sediment. The samples were panned down in the field to a concentrate of approximately 1-2 kg. The concentrates were bagged, labelled and sealed in the field, transported to the field camp where they were opened, air dried, resealed, ticketed and packed for transit to the laboratory.

The distribution of sample sites is shown on the 1:10 000 topographic base map, together with assay data sheets, in Appendix 2. The samples considered to be anomalously high are colour coded on the map and the assay values from those anomalies are shown.

Eighty-four samples were collected and their concentrates were assayed for PGEs and gold. Geochemically, two distinct regions are revealed, and they correlate with gross lithological associations within the Heazlewood Complex.

Region A - Nineteen Mile Creek - Fentons - Warner's Creek area, covering the western and northern parts of the Complex, which is predominantly chromite-rich dunite with minor coarse grained pyroxenite.

Region B - Burgess Hill, Brassey Hill, Gabbro Hill area, covering the central portion of the Complex and consisting of mixed lithology peridotites, many of which are plagioclase-bearing.

Threshold values for anomalous platinum and osmium + iridium have been calculated from the assay data by plotting cumulative frequency distributions and taking the intersections of best fit curves through "background" and "anomalous" populations as the threshold points (see Figs 2 to 5). The table below summarises these data.

	Threshold Grade	
	Pt (ppb)	Os + Ir (ppb)
Region A	21	16
Region B	No Threshold	? 3.5 approximately

Sediments derived from the Nineteen Mile Creek dunites show clear bimodality for both Pt and Os + Ir, implying that true anomalies in PGE concentration do exist. In Region B such anomalies are either very subtle or non-existent.

Four very strong anomalies were encountered in the Nineteen Mile Creek-Warners Creek area. Sample Nos. 214291, 214297, 214299 and 311502 show extremely elevated Os and Ir, highly elevated Ru and moderately elevated Pt. The maximum value recorded was in 311502 where combined Os + Ir grades 5.1 ppm.

Several PGE associations have been derived from the data and tentative correlations have been made with some of the rock chip sample data taken during the grid mapping, and with the distribution of rock units relative to stream sediment PGE values. Most of the rock chip assay data are not yet available for reporting. The tentative PGE associations are as follows.

Region A, Group A1. Os, Ir, Ru, Pt. Probably associated with chromite-rich dunites, e.g. Fentons Grid 357,000 mE, 5,410,500 mN.

Group A2. Pt, Ru, Rh. Probably associated with pegmatitic pyroxenites containing chromitite-rich layers, and interlayered with harzburgite/dunite units, e.g. Fentons Grid 357,600 mE, 5,410,400 mN.

Region B, Group B1. Pt, Pd ( $\pm$  Cu) Possibly associated with the Brassey Hill harzburgites and/or the dolerites and chromitites on Brassey and Burgess Hills, e.g. Brassey Hill, 360,000 mE, 5,408,300 mN.

Group B2. Pt, Pd ( $\pm$  Ru) ( $\pm$  Ni) Possibly associated with the harzburgites on Brassey Hill (including Lord Brassey heazlewoodite deposit). May be the same as association B1.

NINETEEN MILE CREEK AREA (Population A) Os+Ir

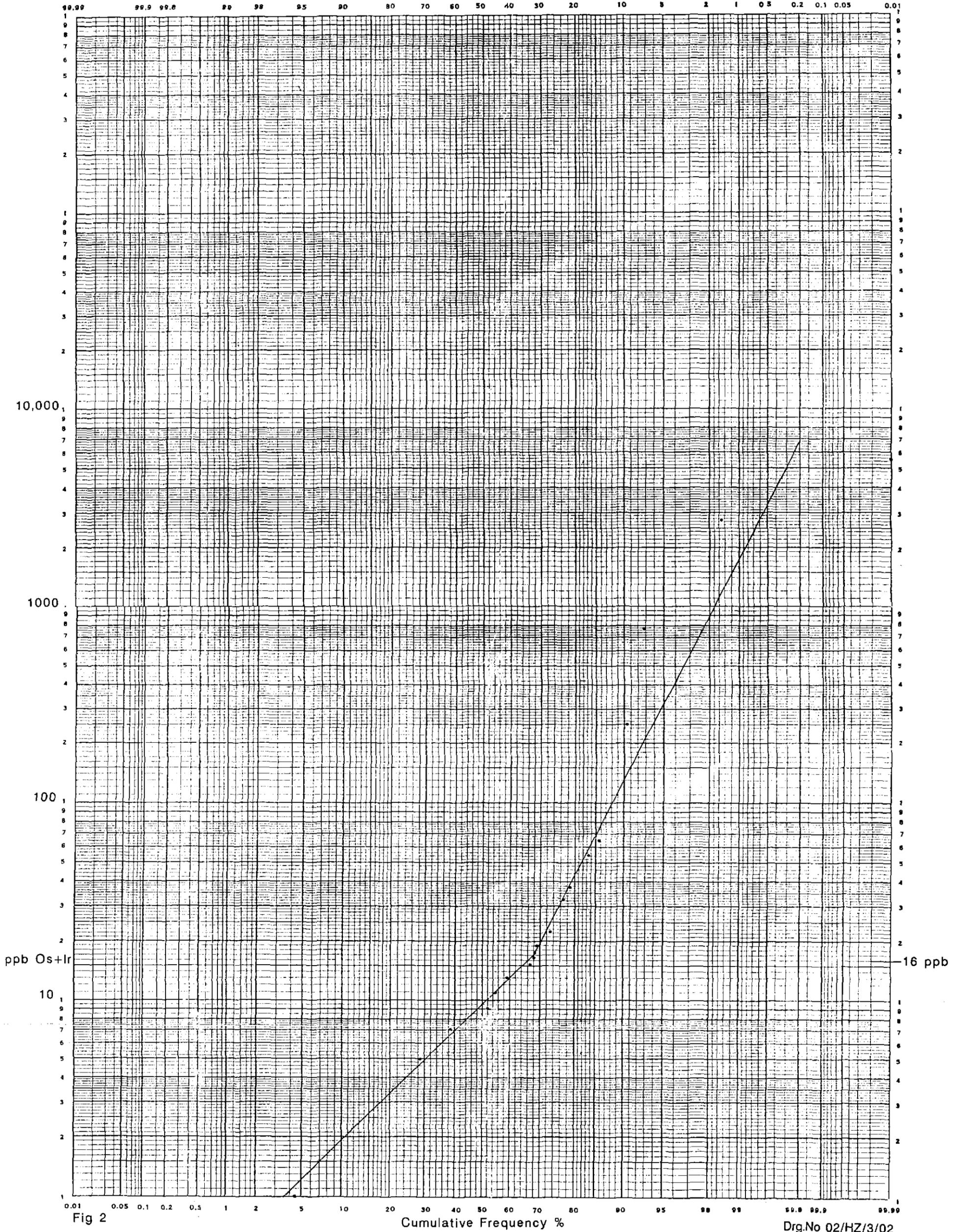


Fig 2

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# NINETEEN MILE CREEK AREA (Population A) Pt

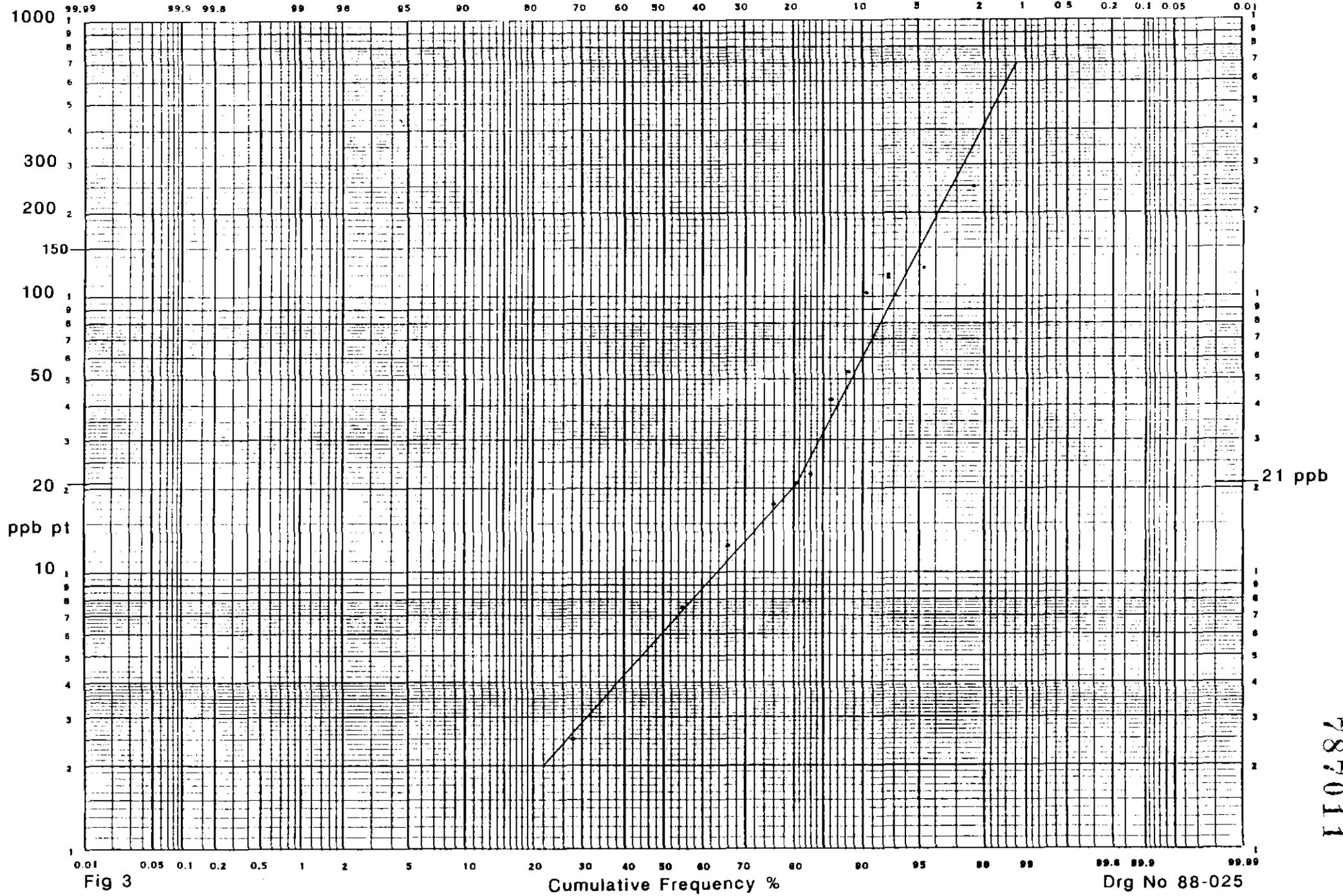


Fig 3

Cumulative Frequency %

Drg No 88-025

787011

011

# BURGESS CREEK-ROARING MEG CREEK-HEAZLEWOOD RIVER AREA (Population B) Os+Ir

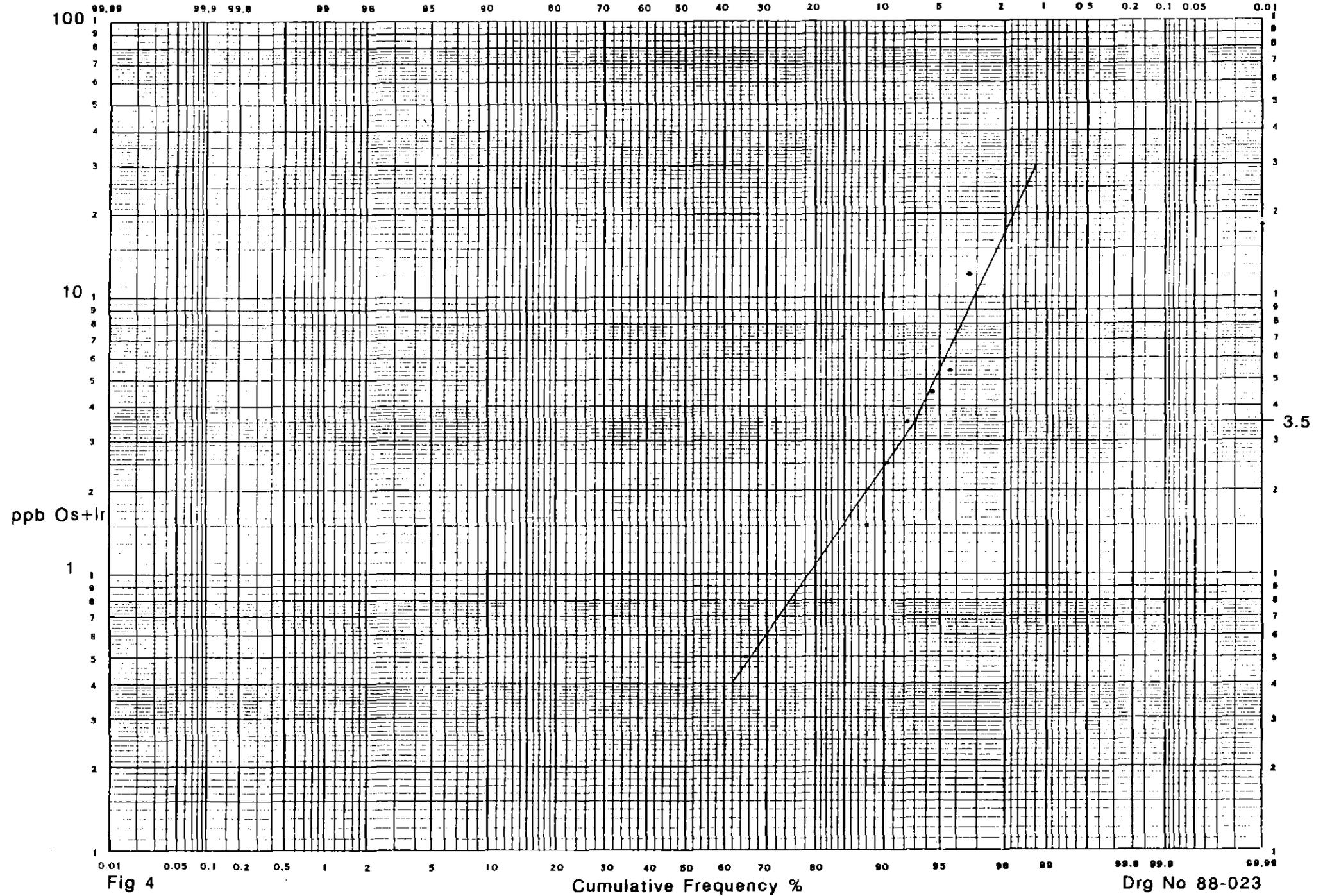


Fig 4

Cumulative Frequency %

Drg No 88-023

787012

612

BURGESS CREEK-ROARING MEG CREEK-HEAZLEWOOD RIVER AREA (Population B) Pt

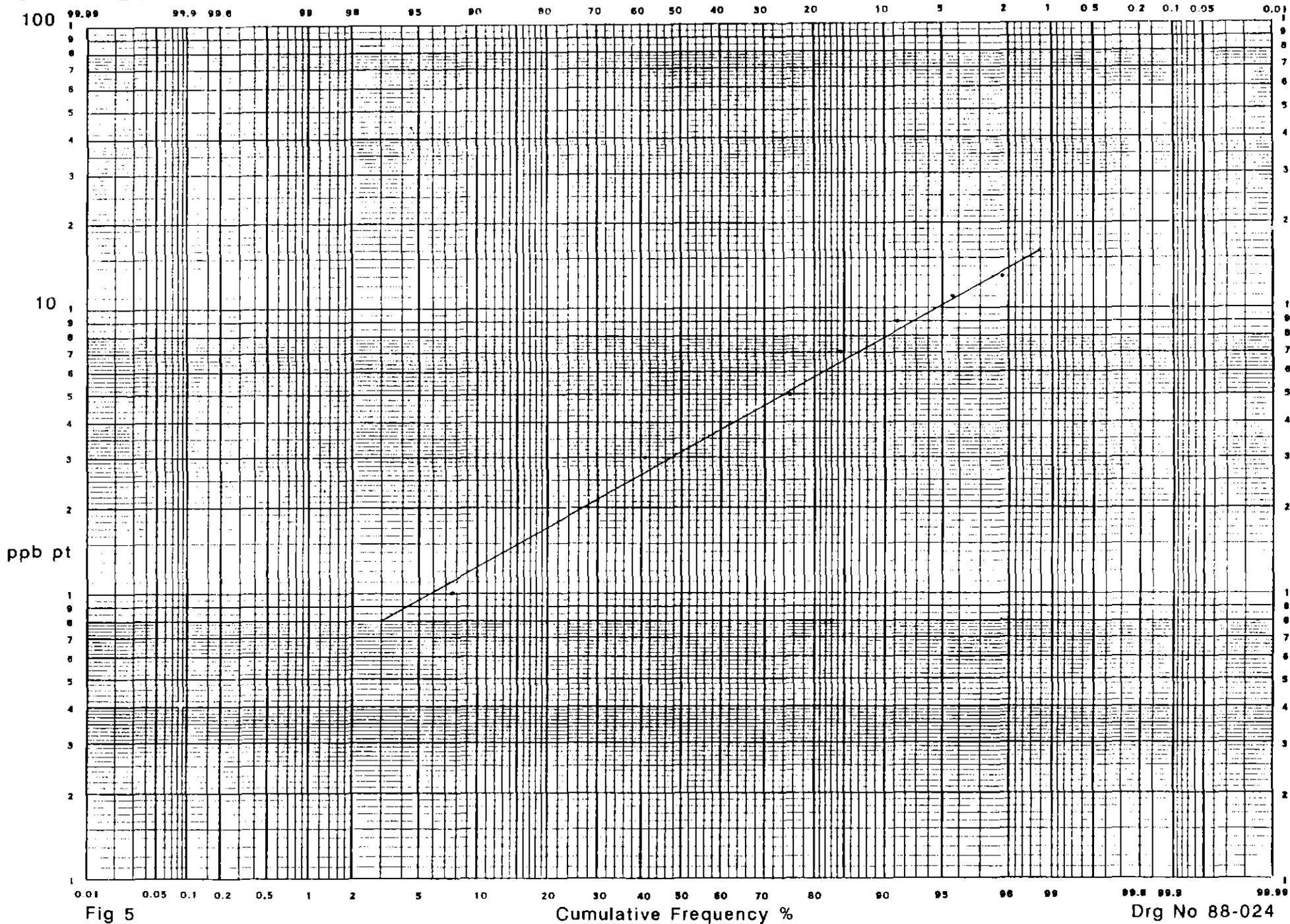


Fig 5

Cumulative Frequency %

Drg No 88-024

787013

## SPECIFIC SURVEYS

### 1. GRIDDING, MAPPING AND SAMPLING

Three areas were targeted from the Year 1 regional mapping for more intense examination. In these areas, lithological associations, known to be related to PGE mineralisation in the established South African and North American platinum provinces, had been identified. Of particular interest were the chromitite and altered anorthosite occurrences identified on Burgess Hill and north of Brassey Hill, the nickel sulphide on Brassey Hill, and the nickel sulphide and chromitite in the Fentons area. Grids were cut over the three target areas; Brassey, Burgess and Fentons (see Appendix 1) to allow systematic mapping and sampling for the purpose of defining targets for trench sampling and drilling. At the time of writing, the Brassey and Burgess Grids have been completely mapped and Fentons Grid is approximately one-third covered.

#### (a) Brassey Grid

18.6 km of grid lines were cut over the Brassey target area.

The grid had a base line orientation of 040° Magnetic, with cross lines every 50 metres, varying in length from 300 to 650 metres. Serious interference to magnetic compasses was encountered by the line cutters on all three grids, and in particular, on the south western end of the Brassey Grid. There is no apparent reason for this area to be more magnetic than the other ultramafic and basic rocks in the Heazlewood Complex unless the anomaly is related to the Lord Brassey nickel sulphide mineralisation.

The Brassey Grid was mapped at 1:1000 scale and the results are enclosed in Appendix 3, together with a 1:2500 interpretation map. Assay data from 47 rock chip samples taken during the mapping are not yet available.

The rocks mapped in the Brassey area fit into five main associations, as shown on the map in Appendix 3.

1. Interlayered harzburgite ( $\pm$  plagioclase), dunite ( $\pm$  plagioclase) and minor pyroxenite. Abundant intrusions or intermixed bodies of pegmatitic gabbro/norite, dolerite, pyroxenite and rarely, white altered plagioclase rock. This association dominates the S.W. half of the grid area.

2. Troctolite, with interlayered and intermixed dunite, fine grained

G14

plagioclase dunite and fine grained plagioclase harzburgite. The main areas of troctolite outcrop occur to the N.W. of the grid area, with only edges of this lithology being sampled by the grid.

3. Linear to sub-linear bodies of dolerite, gabbro/dolerite and rocks rich in altered plagioclase (anorthosites?). These rocks are concentrated in the central-N.E. portion of the grid area and are at least spatially associated with chromitite enrichment. The more linear bodies in this group appear to be either parallel to primary layering or they form a set of parallel magmatic dykes.

4. Layered poikilitic harzburgite ( $\pm$  plagioclase), with minor inter-layered pyroxenite and dunite and rare pegmatitic gabbro/norite and anorthosite? This unit dominates the N.E. end of the grid area, with the interlayered harzburgite/pyroxenite often standing out as strike ridges and associated small cliffs.

5. Fine grained plagioclase dunite, dunites, fine grained plagioclase harzburgite (low pyroxene) and minor fine grained troctolite. This unit occurs in the central part of the grid and hosts a set of linear bodies of dolerite, anorthosite, brecciated dunite and pyroxenite (Rock type 3) and associated chromitites. The fine grained dunites, harzburgites and troctolites produce a very subdued outcrop surface, often exposed as a gently undulating - to-flat local topography with dense sub-crop cover of small rock flakes.

The above rock types are all serpentinised to various degrees. The dunites are often completely altered, with no remnant olivines visible in hand specimen. Mesh textures, indicating the position of former olivine crystals are, however, common. Pyroxenes are usually well preserved and the poikilitic harzburgites commonly show oikocrysts, often in trains indicating primary layering, in a groundmass of serpentinised olivine. Bronzite crystals, up to several centimetres length are often preserved in the oikocrysts. Plagioclase has been altered to white or blue/greenish white hydro garnet. On the weathered surfaces of the troctolites and plagioclase dunites and harzburgites, the altered plagioclase stands out from the rock surface, the garnet being more resistant to abrasion than the rest of the rock. The hydro garnet grains are typically elongated and sinuous in shape. In the troctolites in particular, the hydro garnets show flattening and an alignment which may be a strain fabric. The plagioclase-bearing gabbros and dolerites do not show this alignment, although the plagioclases in these rocks have

015

also have been garnetised. The chromitites in the central part of the grid area have been partially altered to green chrome garnet.

Shearing and slickensiding is localised and is most intense near the crown of Brassey Hill, within rock type association 1. A number of small scale (1-10 metres radius) tightly folded anticlinal ridges were mapped in the Brassey Hill area. The folds appear to be parallel to major shears and are probably the result of strike slip movement. Wrench faulting and shearing appear to be the major structural elements at Heazlewood.

The most encouraging area for PGE mineralisation is the zone of dolerite, anorthosite, pyroxenite and associated chromitites (see Appendix 3). In this area there is strong evidence for magmatic mixing and in detail, the intimate association of anorthosites, pyroxenites and chromitites is considered to be prospective (Figs. 6 & 7). On Line 1200 mN, 1650 mE, an occurrence of blue secondary copper or nickel mineralisation, bounded by a shear in the host harzburgite, was found (Fig. 8). Native copper in gabbro/anorthosite was recovered at 1950 mN, 1190 mE. Minor sulphide mineralisation occurs at 2500 mN, 1460 mE and at 1750 mN, 1520 mE. Pyrite, sphalerite, galena and ?chalcopyrite are hosted in a calc-silicate host rock which appears to be a metasomatic alteration product of the ultramafics. Gossan is developed on these sulphide occurrences. It is not clear whether the base metal sulphides are Cambrian in age or if they are contemporaneous with the Devonian granite-sourced mineralisation common in Western Tasmania.

Future work in the Brassey area will concentrate initially on the anorthosite chromitite zone between Lines 1750 N and 2050 N. In the next field season, this area will be trenched and sampled, and possibly drilled. The Lord Brassey nickel sulphide deposit will also be drilled in the next field season.



Fig. 6 A mixed zone of coarse grained pyroxenite (partly auto brecciated), serpentinised dunite (top left of outcrop) and chromitite, partly altered to green chrome garnet (top centre of outcrop). 1800 mN, 1180 mE.



Fig. 7 Layer or magmatic dyke of anorthosite/dolerite in serpentinised dunite host. 1900 N, 1125 E.



Fig. 8 Secondary Cu or Ni mineralisation in small shear in plagioclase harzburgite. 1200 N, 1650 E.

(b) Burgess Grid

9.4 km of grid lines with a base line orientation of  $036^\circ$  Magnetic, were cut across the N.W. flank on Burgess Hill (see Appendix 1), where chromitite and secondary chrome minerals were found during the initial reconnaissance mapping. The 1:1000 fact map and a 1:2500 geological interpretation map of the area are enclosed in Appendix 4. *Seven* rock chip samples were taken but the assay results are not yet available.

Using the same approach to simplify the lithological variations encountered at Brassey, the Burgess geology has been summarised as follows -

1. Fine grained plagioclase dunite with minor interlayered troctolite. This unit outcrops S.W. of Burgess Creek and may be faulted against the neighbouring lithologies.

2. Coarse grained troctolite with interlayered dunite and minor interlayered and intermixed anorthosite and plagioclase/pyroxene rocks. This unit occupies the N.E. end of the grid.

3. Interlayered and intermixed plagioclase harzburgite, dunite, plagioclase dunite and troctolite, with rare pyroxenite, anorthosite and pegmatitic gabbro. This association occurs around the N.W. and S.E. edges of the grid and grades into the neighbouring lithologies.

4. Layered harzburgite, pyroxenite and dunite, with abundant inter-layered, linear, discontinuous bodies of chromitite-bearing brecciated, pegmatitic gabbro/norites and pyroxenites. The harzburgites show an increase in plagioclase content towards Burgess Hill.

The chromitite occurrences on Burgess Grid show clear evidence that they are concordant and interlayered with the harzburgite/pyroxenite units and show a prominent N.E.-S.W. trend.

The chromitites appear to be confined to a zone in the S.W. part of rock association 4. A shear zone trending approximately  $340^\circ$  Magnetic truncates the chromitite zone at about the 1500 N cross line. Small scale folding and mobilisation of spinel (much of which has apparently been converted to magnetite) are associated with this shear (Fig. 9). In detail the chromitites are closely associated with brecciated coarse and fine grained pyroxenites,

019



Fig. 9 Folded harzburgite with magnetite bands, adjacent to major shear. 1500 mN, 1250 mE.

with abundant secondary silica and the general appearance of hydrothermal alteration (Fig. 10).

The possible fault along Burgess Creek does not show evidence of major displacement and there is no suggestion that the Brassey and Burgess chromitite zones were formally juxtaposed.

At the time of writing, several trench samples have been taken across some of the chromitite bodies. The results of this work will be available for submitting in Year 3 and these results will determine the extent of proposed excavator trenching, and possibly drilling, in the coming field season.

021



Fig. 10 Breccia zone in pyroxenite,  $\pm$  chromitite. Note the abundant silica veining. 1450 mN, 1250 mE.

(c) Fentons Grid

Twenty-eight kilometres of grid line were cut in the Fentons area (Appendix 5), with a base line orientation of 040 Magnetic. Approximately one-third of the grid has been mapped in detail, at 1:1000 scale. The map and assay results from whole rock chip samples are enclosed in Appendix 5. Descriptions of the main lithologies and lithological associations mapped are as follows :-

Dunite - This is the major lithology for the area and is characteristically a variably serpentinised dunite with varying amounts of chromite and/or magnetite. The dunite sometimes has small amounts of pyroxene within it. This appears to increase moving east along the grid becoming a pyroxene dunite before the next lithology is encountered, i.e. an interlayered dunite/pyroxenite/harzburgite.

Interlayered dunite/pyroxenite/harzburgite - This lithological association appears to be essentially a dunite/harzburgite interlayered sequence with varying amounts of both fine grained and pegmatitic pyroxenite. This lithology hosts the best example of type 2 chromite. (See following description of chromite.)

Harzburgite/pyroxenite marker unit - This occurs chiefly on the western side of the grid where it has been so far mapped. It crops out as a continuous interlayer of about one to five metres in thickness.

Pegmatitic pyroxenite - This occurs from Fentons Spur across to Bald Hill and possibly also on the eastern facing slope of Swordgrass Hill. It is a very coarse grained pyroxenite usually intermixed with dunite and has so far yielded a maximum of approximately 10% chromite. Most of this chromite appears to be within the subordinate dunite units.

Fissile dunite - This unit appears mainly along the base line and is thought to reflect structural activity (i.e. shearing). The fact that all of the known occurrences of this unit are on the base line is of interest as the base line runs more or less down a valley. This valley may have formed by preferentially eroding the fissile dunite. This would then indicate that a shear or fault was present in the valley. A brief photointerpretation of the area indicates that such a linear does exist although its position has not been accurately located on the ground, due to the scale differences between the photos and the maps.

Quartzite - A vuggy ferruginised quartzite occurs in the S.W. corner of the area currently mapped and appears to have formed after a sheared dunite. As such it may have mobilised PGEs, which have been subsequently incorporated into the siliceous matrix. This has been sampled. (Sample 311945 2170 E, 1900 N.)

Nickel sulphide breccia and associated chromitite - This mineralisation occurs at Fentons Knob and is probably structurally controlled by approximately North-South oriented linears. The mineralising event represents post-magmatic segregation as in certain areas, chromites are foliated and form a lineation running in the same direction. Such lineated chromites coincide with photolines. Chromite occurrences on this grid do not appear as concentrated as those chromitite units seen on Burgess or Brassey Grids. Chromite appears to be confined to bands of the order of less than half a metre thickness, the chromite usually being disseminated throughout these bands. Occasionally there are dense chromite accumulations. (One occurs at 1865 mE, 2100 mN, sample 311940.) The percentage of chromite within occurrences on the western half of the grid appears to be greater (with 20-30% being the highest) while the eastern half characteristically shows less chromite (<10%). Chromite sometimes occurs as podiform grains up to 1 cm in diameter.

Two main associations of chromite enrichment are recognised -

(1) Spatially associated with what has been termed "magnetite breccia", a seemingly brecciated rock with magnetite filling the interstices. Based on the limited number of samples taken so far, these "chromitites" characteristically have very low levels of PGEs. They are confined to the western half of the grid and may or may not be associated with pegmatitic pyroxenite "blobs".

(2) Intimately associated with pegmatitic pyroxenite. This type includes the dense type quoted above. These chromitites have higher PGE values (e.g. 311941, 890 Pt, 77 Rh). They have so far only been found within the eastern half of the grid. Fentons Spur/Bald Hill pyroxenite is one such occurrence being a fairly large and uniform body (sample 311942). There are other smaller occurrences, e.g. sample location 311940 411941 311944.

The location of these platinum-rich chromitites correlates well to the stream sediment sampling. Sample 311509 appears to be due to direct runoff from these areas, i.e. 311940, 941, 944 and possibly 943.

The classic osmiridium (association Al-Os-Ir-Ru-Pt) stream sediment anomalies associated with Fentons Grid do not appear, as yet, to have any correlatable hard rock source within the mapped area, e.g. sample 311511 which occurs in Swordgrass Creek cannot be correlated to any rock unit within Fentons Grid. In addition, sample 311502 which occurs further upstream has higher values than 311511 indicating possible dispersion. As sample 311502 is situated outside the Fentons Grid area, the source of this osmiridium may not lie within the grid area.

Gold and nickel mineralisation encountered in the area appears to be structurally controlled by shearing in an approximate N-S direction, rather than being genetically related to magmatic brecciation. This is supported by samples 311902 and 903 (.03 ppm Au, 11500 Ni/.08 Au, 2850 Ni) which lie in areas through which a nearby shear can be extrapolated. The shear associated with sample 311902 (1790 E, 2475 N) crops out in the access track near Fentons Knob.

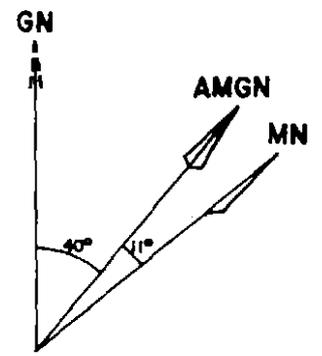
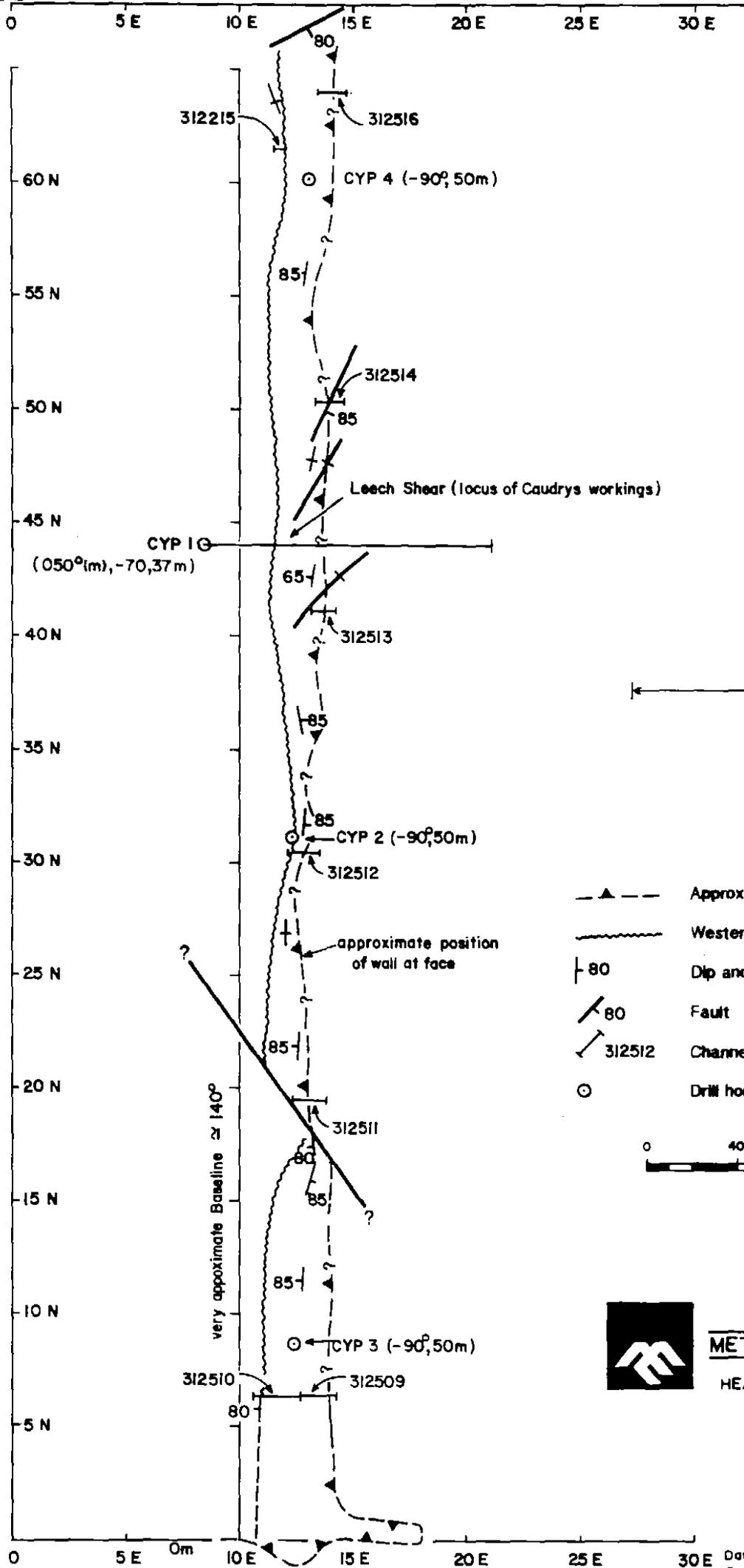
## 2. CAUDRYS SAMPLING AND DRILLING

A programme of channel sampling, followed by four drill holes tested the old Caudrys hard rock osmiridium workings. Caudrys Workings are located on the N.W. slope of Caudrys Hill (Bald Hill) several hundred metres upslope from Nineteen Mile Creek.

The workings are on a zone of sheared serpentinite one or two metres wide, dipping near vertically and trending 320° Magnetic. The workings extend over a strike length of approximately 80 metres. A sketch map of Caudrys Workings showing some of the major structures, the channel sample locations and drill hole locations is shown on Fig. 11.

Nine channel samples were manually cut into the floor of the old workings, normal to strike and evenly spaced along a 65 metre length of the workings which had been cleaned up and made accessible by the construction of a vehicular track in from the gravel pits between Waratah Road and McGinty Creek. The channels ranged from 0.4 to 2.0 metres in length and were all approximately 10 cm wide and 5 cm deep. The samples, together with those from the subsequent drilling, were processed and assayed for the six PGEs (and for gold in the case of the channel samples) by Comlabs, South Australia, and Analytical Services, Western Australia. Analytical data and drill cutting logs are enclosed in Appendix 6. The highest values and the ranges for each of the six PGEs in the channel samples were as follows:-

787026



**LEGEND**

- ▲--- Approximate boundary of workings
- ~~~~~ Western boundary of shear zone
- | 80 Dip and Strike of internal shear planes
- ↘ 80 Fault
- ↘ 312512 Channel sample
- Drill hole



787026



**METALS EXPLORATION LIMITED**

HEAZELWOOD PROJECT, TASMANIA  
EXPLORATION LICENCE 21/85

**CAUDRYS PROSPECT**  
Surface Plan Showing  
CYP-1, CYP-2, CYP-3, CYP-4

Date: JAN 1988  
Scale 1:250

Fig: 11  
Drg No: 88-028

	Highest Value (ppb)	Range (ppb)
Au	10	Detection Limit - 10
Pt	7	1.5 - 7
Pd	17	D.L. - 17
Ru	12	2 - 12
Rh	3	1 - 3
Ir	19	0.5 - 19
Os	14	D.L. - 14

Detection Limit (Pt, Pd, Ru, Rh, Ir) = 0.5 ppb

Au, Os = 2 ppb

Overall the samples showed low grade. The highest total PGE grade was 54.5 ppb in the sample at 19.7 metres Grid North. The mean total PGE grade was 27.7 ppb, with a range of 6 to 54.5 ppb.

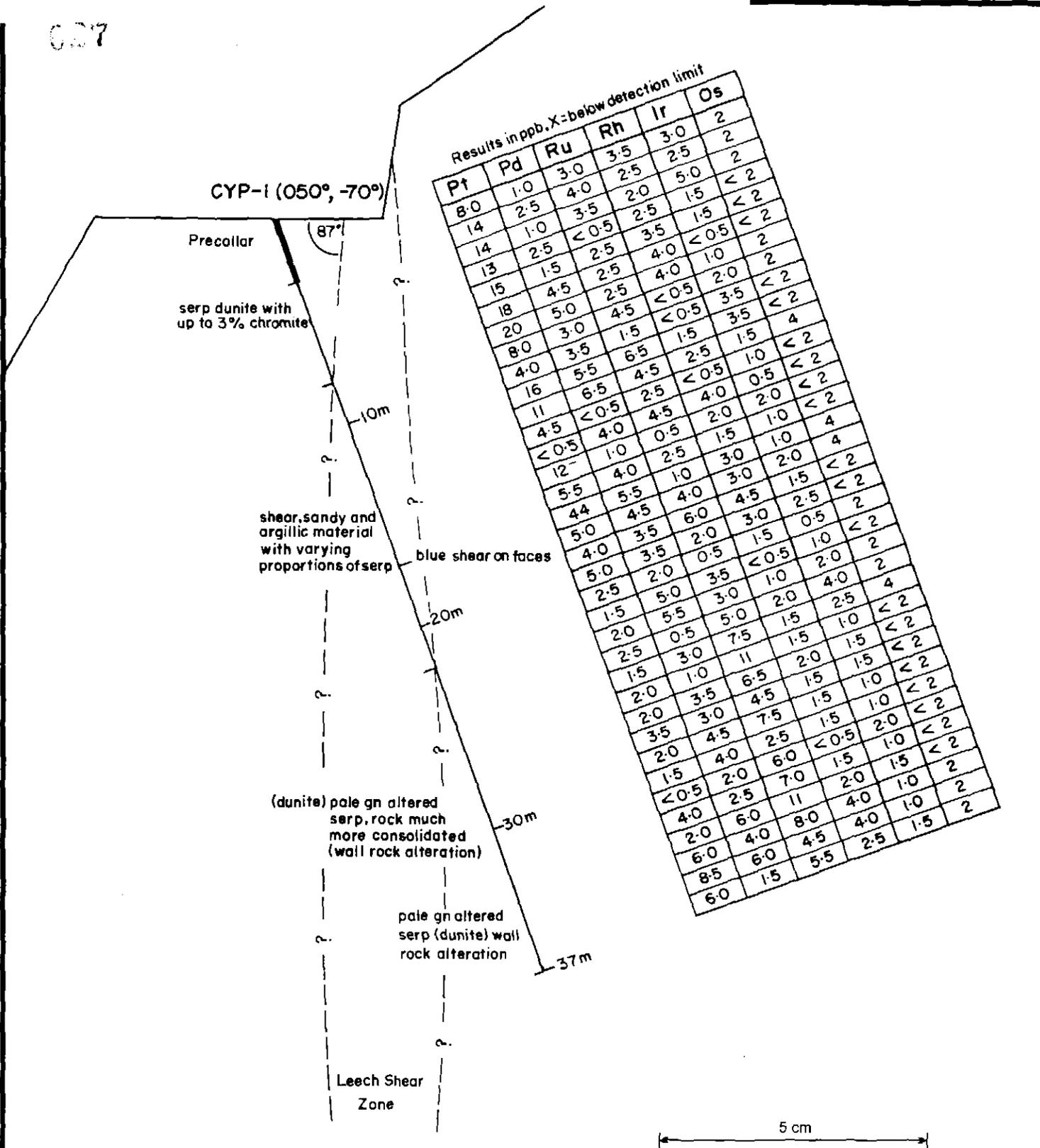
Four holes were drilled into the floor of the old workings to test the attitude and thickness of the shear and to test the grade variation over the maximum down dip extent achievable with 50 metre holes. The air driven percussion holes were drilled by H.J. Stacpoole, Launceston, using a Longyear B40 Mobile rig and a Sulliscrew 350 psi at 750 cfm compressor. One metre samples and three metre composite samples were collected.

The drill hole statistics are summarised below.

Hole No.	Location re Datum Line (Fig. )	Depth (m)	Angle	Bearing (° Mag)	No. Samples
CYP1	8.5 mE, 44 mN	37	-70°	050	12 (3 m) 37
CYP2	12.5 mE, 31 mN	50	-90°	N/A	16 " 50
CYP3	12.5 mE, 7.5 mN	50	-90°	N/A	17 " 50
CYP4	13 mE, 60 mN	50	-90°	N/A	16 " 50
	TOTAL	187		TOTAL	61 187

Schematic sections for each drill hole are shown on Figs 12 to 15.

The intersection of the shear in CYP1 indicates that it dips 87 degrees to the SW and is independent of the many shear directions observed in the surface workings. While drilling through the shear a gradual transition from the shear proper material (argillaceous, steatitised, soft sandy material in cuttings)



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 HEAZELWOOD PROJECT, TASMANIA  
 EXPLORATION LICENCE 21/85  
**CAUDRYS PROSPECT**  
 Section of Drill Hole  
 CYP-1  
 SECTION FACES 320m

628

CYP-2

Mullock Infill

some argillic alteration

dk gn serp

steel blue colour

dk gn serp

shear material non consolidated

steel blue colour

Leech Shear Zone

10m

20m

30m

40m

50m

Results in ppb, X = below detection limit.

Pt	Pd	Ru	Rh	Ir	Os
1.0	5.0	8.0	3.0	<0.5	2
2.0	<0.5	9.5	3.0	2.0	2
0.5	4.5	1.0	3.0	2.0	<2
1.0	3.0	4.5	2.5	2.0	4
2.5	2.5	7.0	2.5	1.5	<2
4.0	5.5	14	2.0	2.0	<2
9.5	8.0	4.0	3.5	3.0	<2
5.5	3.0	6.5	3.0	1.5	<2
2.0	2.5	8.5	1.5	2.0	<2
1.0	4.0	8.5	1.0	2.0	<2
<0.5	2.5	8.5	2.0	2.0	<2
6.0	4.5	9.5	2.5	2.5	4
9.0	0.5	4.5	1.0	2.0	2
4.5	6.0	13	1.5	4.0	6
7.0	3.5	11	1.5	2.0	2
5.0	2.5	6.5	1.5	2.0	4
7.0	6.0	16	1.5	9.0	4
5.0	1.0	5.5	<0.5	2.0	<2
5.0	4.0	9.0	2.5	3.0	2
7.0	7.5	12	2.0	2.5	4
2.0	<0.5	10	1.5	2.5	4
5.0	<0.5	12	3.0	1.5	<2
4.0	1.5	8.0	1.0	11	10
6.5	2.5	7.0	1.0	3.0	<2
5.0	7.0	12	4.0	2.0	<2
5.0	<0.5	9.5	3.5	2.0	4
3.0	<0.5	14	2.5	2.0	4
12	<0.5	13	2.0	2.5	<2
3.0	2.5	18	2.5	2.0	2
6.0	1.0	16	2.0	8.5	8
4.0	<0.5	14	1.0	1.5	2
1.5	<0.5	20	0.5	5.0	1.0
3.0	7.0	16	2.0	41	18
4.0	1.0	3.0	0.5	1.0	<2
3.0	2.0	8.0	1.0	7.5	2
2.5	3.0	3.0	1.0	2.0	<2
6.5	4.0	5.5	1.0	1.0	<2
2.5	2.5	7.0	1.5	1.5	<2
4.0	2.0	7.0	1.0	2.5	4
4.5	1.0	5.5	1.0	0.5	2
4.0	3.0	4.0	1.0	3.0	6
6.5	6.0	3.0	1.0	5.0	2
5.0	1.0	5.0	1.0	2.5	2
3.5	4.5	5.5	1.5	4.0	2
6.5	4.5	3.0	1.0	1.5	<2
0.5	<0.5	1.0	<0.5	1.5	<2
2.0	2.5	4.0	1.0	1.0	<2

5 cm



787029

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HEAZELWOOD PROJECT, TASMANIA  
EXPLORATION LICENCE 21/85

CAUDRYS PROSPECT  
Section of Drill Hole  
CYP-2  
SECTION FACES 320m

Date: JAN 1988  
Scale 1:250

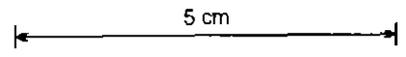
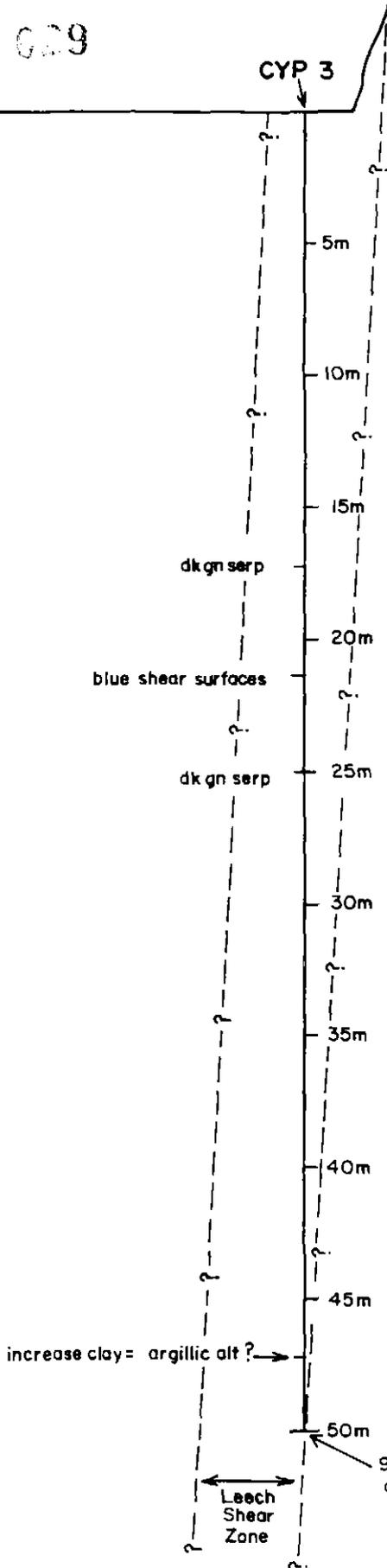
Fig: 13  
Drg No: 88-030

629

CYP 3

Results in ppb. X=below detection limit.

Pt	Pd	Ru	Rh	Ir	Os
2.0	2.0	4.5	1.0	2.0	2
4.5	3.5	1.0	1.0	<0.5	<2
1.5	2.0	8.0	1.0	1.5	2
5.0	3.5	6.5	2.0	3.5	6
7.5	3.5	6.5	1.5	3.5	4
6.0	13	7.5	0.5	2.5	2
1.0	<0.5	7.0	1.5	1.0	<2
12	7.5	6.5	1.0	3.5	4
1.5	2.0	4.0	0.5	5.5	4
4.5	<0.5	3.0	1.0	8.5	6
4.0	3.0	7.0	1.0	3.0	<2
4.0	2.5	7.5	0.5	8.0	2
1.5	0.5	12	1.0	1.5	<2
1.0	4.0	9.0	1.0	2.0	<2
1.5	<0.5	13	1.0	3.5	<2
2.5	2.0	12	1.0	3.5	4
5.5	1.5	8.0	1.0	5.5	6
3.5	2.5	12	2.0	2.5	4
5.0	3.0	9.0	1.0	2.0	4
6.5	7.0	9.0	2.0	2.0	4
<0.5	1.0	8.0	1.0	1.0	4
3.5	<0.5	9.5	1.0	2.0	4
2.5	2.0	8.5	1.0	3.0	<2
4.5	3.0	8.5	1.5	7.0	10
9.0	3.0	10	2.0	2.5	2
3.5	<0.5	16	1.0	4.0	2
4.5	5.5	12	1.5	4.0	<2
2.5	3.0	13	1.5	0.5	<2
<0.5	<0.5	14	1.0	3.5	<2
5.0	1.5	14	1.0	2.5	2
3.0	2.5	9.5	1.5	4.0	<2
1.0	3.0	8.0	1.0	1.5	<2
1.0	4.0	6.5	1.0	1.0	<2
2.5	2.5	9.0	1.0	1.5	<2
1.0	7.0	8.5	1.0	2.0	<2
<0.5	3.0	9.5	1.0	2.0	<2
2.0	5.0	5.5	1.0	2.0	<2
2.0	2.0	6.5	0.5	1.5	<2
1.5	3.5	8.0	1.5	2.0	2
4.5	8.5	6.0	1.0	2.5	2
6.5	3.0	8.0	1.0	5.0	2
5.5	1.0	3.5	0.5	<0.5	6
3.0	4.0	18	1.0	2.0	2
7.0	6.5	9.5	1.0	3.5	2
<0.5	5.5	6.5	<0.5	2.5	<2
<0.5	6.5	8.0	0.5	5.5	<2
<0.5	5.0	5.5	0.5	1.5	<2
<0.5	4.0	5.5	<0.5	2.0	<2
<0.5	3.5	5.0	<0.5	0.5	<2
<0.5	1.5	7.5	<0.5	1.0	<2



787030



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HAZELWOOD PROJECT, TASMANIA  
EXPLORATION LICENCE 21/85

CAUDRYS PROSPECT

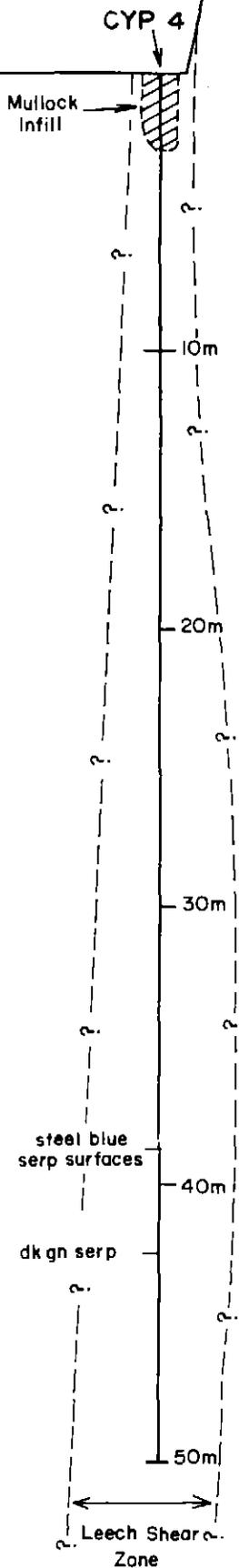
Section of Drill Hole

CYP-3

SECTION FACES 320m

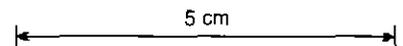
Date: JAN 1988  
Scale 1:250

Fig: 14  
Drg No 88 031



Results in ppb, X=below detection limit

Pt	Pd	Ru	Rh	Ir	Os
2.0	3.5	6.5	<0.5	<0.5	<2
1.0	1.5	4.0	<0.5	1.0	<2
<0.5	3.0	3.5	<0.5	1.0	<2
<0.5	0.5	6.5	1.0	1.0	<2
3.0	2.0	5.0	1.0	1.0	<2
0.5	<0.5	5.5	<0.5	2.5	<2
7.5	3.0	3.5	0.5	0.5	<2
2.0	2.5	4.5	<0.5	1.0	<2
1.0	<0.5	6.0	0.5	0.5	<2
1.0	5.0	6.5	1.5	1.0	<2
<0.5	0.5	8.0	1.0	0.5	<2
1.0	2.0	7.0	1.0	1.5	<2
0.5	3.5	9.0	1.0	1.0	<2
3.0	4.0	6.5	1.5	<0.5	<2
1.0	2.5	9.0	1.5	1.0	<2
<0.5	1.5	9.5	1.0	1.0	<2
1.0	1.0	5.5	0.5	<0.5	<2
<0.5	1.5	3.5	1.5	1.5	<2
1.0	2.0	5.5	0.5	0.5	<2
2.5	2.5	14	1.5	1.0	<2
6.0	3.0	4.5	1.5	0.5	<2
1.0	1.0	8.5	1.0	1.0	<2
<0.5	1.0	<0.5	0.5	<0.5	<2
<0.5	2.5	7.0	1.5	1.0	<2
1.0	3.0	8.0	0.5	0.5	<2
1.0	4.0	3.5	0.5	0.5	<2
0.5	2.0	2.0	<0.5	<0.5	<2
0.5	2.5	4.0	<0.5	0.5	<2
<0.5	4.0	3.0	<0.5	<0.5	<2
<0.5	3.0	4.0	0.5	1.0	<2
1.0	2.0	6.0	<0.5	0.5	<2
0.5	5.0	5.0	0.5	2.0	4
<0.5	3.5	7.0	0.5	0.5	<2
3.0	1.5	8.0	<0.5	1.0	<2
2.0	6.5	6.0	1.0	1.5	<2
1.0	<0.5	6.5	1.0	2.0	<2
1.0	<0.5	8.0	1.0	5.5	4
1.0	2.5	3.5	1.5	1.0	2
2.5	4.5	6.0	<0.5	1.5	2
1.5	0.5	8.0	1.0	1.0	<2
1.0	<0.5	7.0	0.5	1.5	2
11	<0.5	9.5	0.5	1.0	<2
3.5	<0.5	5.0	<0.5	<0.5	<2
8.5	2.5	7.5	1.5	2.0	2
3.5	0.5	12	1.5	1.5	<2
4.0	12	8.5	<0.5	0.5	<2
<0.5	1.0	5.0	1.0	<0.5	<2



787031



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HEAZELWOOD PROJECT, TASMANIA  
EXPLORATION LICENCE 21/85

**CAUDRYS PROSPECT**  
Section of Drill Hole  
CYP- 4  
SECTION FACES 320°m

Date: JAN 1988  
Scale 1:250

Fig: 15  
Drg No: 88-032

into what has been tentatively called wall rock alteration (more consolidated sandy material) was noticed. Putting a boundary on this transition gives an approximate shear thickness of 8-10 m. It is probable that the sequence of lithologies drilled through is interlayered serpentinised dunite and pyroxenite. This is supported by outcrop lithologies mapped nearby. All three vertical holes as far as can be ascertained remained in the shear or at least in wall rock alteration. Only CYP3 gave an indication of leaving the shear at the end of the hole where up to 90% unsheared serpentinite was logged. It is possible however, that the shear may boudinage, buckle or wander at depth.

The drilling did not intersect any anomalous mineralisation. A background level of generally < 10 ppb for each of the PGEs was remarkably constant in all holes. The highest values for each PGE were as follows :-

Pt	44 ppb	CYP1	17-18 metres
Pd	13 ppb	CYP3	5- 6 metres
Ru	20 ppb	CYP2	34-35 metres
Rh	4.5 ppb	CYP1	19-20 metres
Ir	41 ppb	CYP2	35-36 metres
Os	18 ppb	CYP2	35-36 metres

There was no overall enrichment in osmiridium relative to the chalcophile PGE group, although a subtle anomaly occurs in CYP2 between 34 and 36 metres where the highest values for osmium, iridium and ruthenium were encountered.

The absence of any values approaching ore grades in both the channel samples and drill cuttings is very difficult to reconcile given the fact that the shear zone which was mined for osmiridium was demonstrated by the drilling to continue at depth below the floor of the old workings. To date it has not been decided if further work is justified on the Caudrys prospect.

### 3. PURCELLS AUGER DRILLING

A series of shallow sluice workings extend from the upper reaches of McGinty Creek, N.E. across the top of Caudrys Hill (Bald Hill) for a distance of approximately 600 metres. The workings are up to two metres deep, but the typical section exposed is approximately 0.5 metre of buttongrass peat and dark clayey soil, overlying a thin veneer of regolith, overlying partly decomposed bedrock. The bedrock is mainly coarse grained pyroxenite but towards the N.E., where the workings are smaller and fewer, the bedrock is dunite.

There are abundant flakes and fragments of low density honeycombed chalcedony on the floors of the old workings. No evidence of alluvial sediments was seen. The rock detritus underlying the peat appears to be in situ regolith derived from the underlying bedrock. Little slope sedimentation has occurred as very little dunite detritus was observed overlying pyroxenite bedrock downslope from the dunite outcrop. Abundant chromite and occasional sand sized osmiridium (composition not tested) grains were recovered by panning in the old workings.

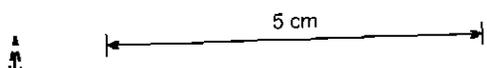
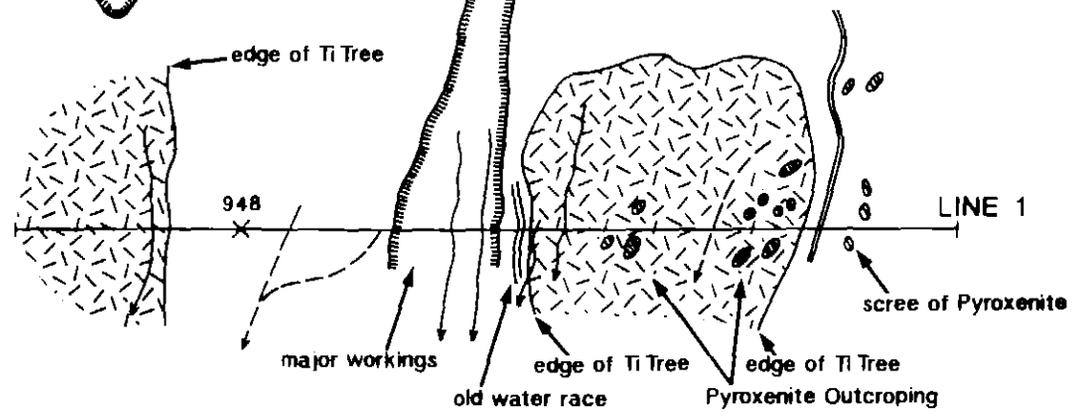
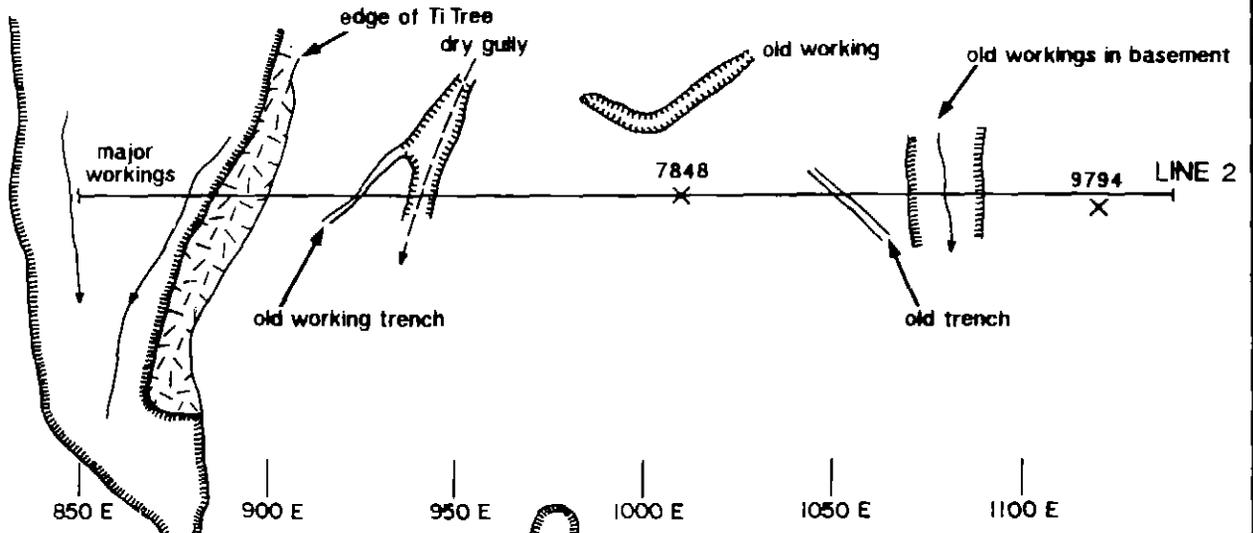
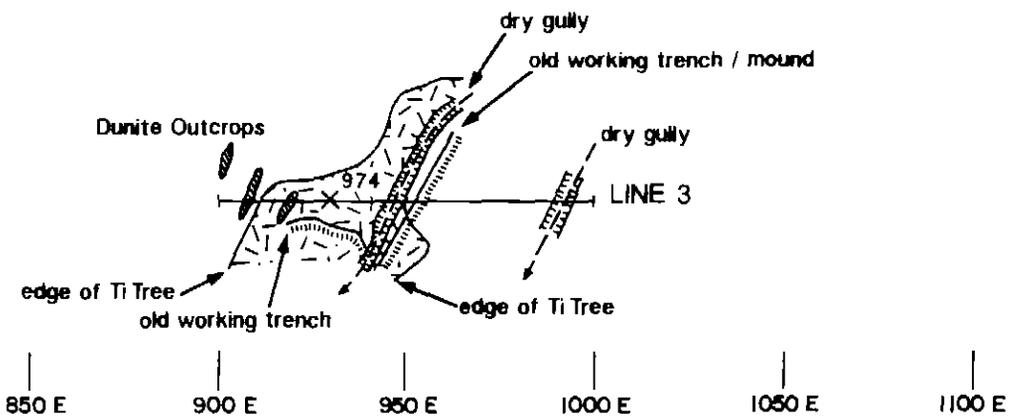
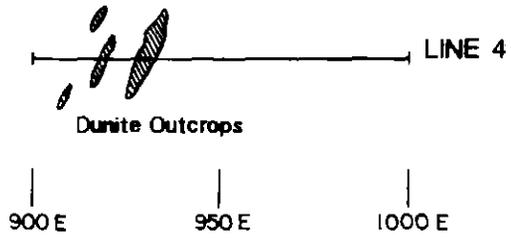
Given that Caudrys Hill is capped by an extensive area of gently sloping button grass, in the approximate middle of which sits Purcell's workings, it was considered worthy to test the area for evidence of mineralisation within and adjacent to the old workings. It is not clear from the shape and distribution of the old workings whether the osmiridium had been dispersed after release from the host rock or whether the early miners had worked essentially an in situ primary deposit. In either case there appeared potential for mineralisation outside the areas already worked.

Four parallel lines of hand auger holes were drilled at 10 metre spacings, comprising 82 holes with a total of 47 metres of drilling. The lines were oriented at  $110^\circ$  Magnetic, approximately normal to the main trend of the workings. The lines were approximately 150 metres apart and were sited to pass through the old workings. A plan and cross sections of the layout is shown on Figs 16 and 17.

The holes were augered to basement and as this represented only 20-30 cm of surficial material in many cases, only one or two samples were produced per hole. Samples were assayed for the six PGEs, plus gold in the case of all samples from Line 4. Assay results are enclosed in Appendix 7.

Apart from one value (Line 4, 0.6 - 0.9 metres) which assayed 150 ppb, gold ranged from 2 to 14 ppb in the 11 Line 4 holes.

A general background level of less than 10 ppb for each of the PGEs exists with a tendency for Pt to be the highest and Os, Ir and Rh to be slightly lower in grade than Pt, Pd and Ru. Four samples are considered to be anomalously high in PGEs. Their results are tabulated below and they are plotted on the map (Fig. 16)



GN = 020° Mag

974 X Total PGE in ppb



METALS EXPLORATION LIMITED

HEAZLEWOOD, TASMANIA  
EL 21/85

BALD HILL AUGER PROGRAM  
FIELD FEATURE MAP

787034

Scale 1:2000  
Date 30/Apr/1987

Figure 16  
Drg No 88-018

004

850 E

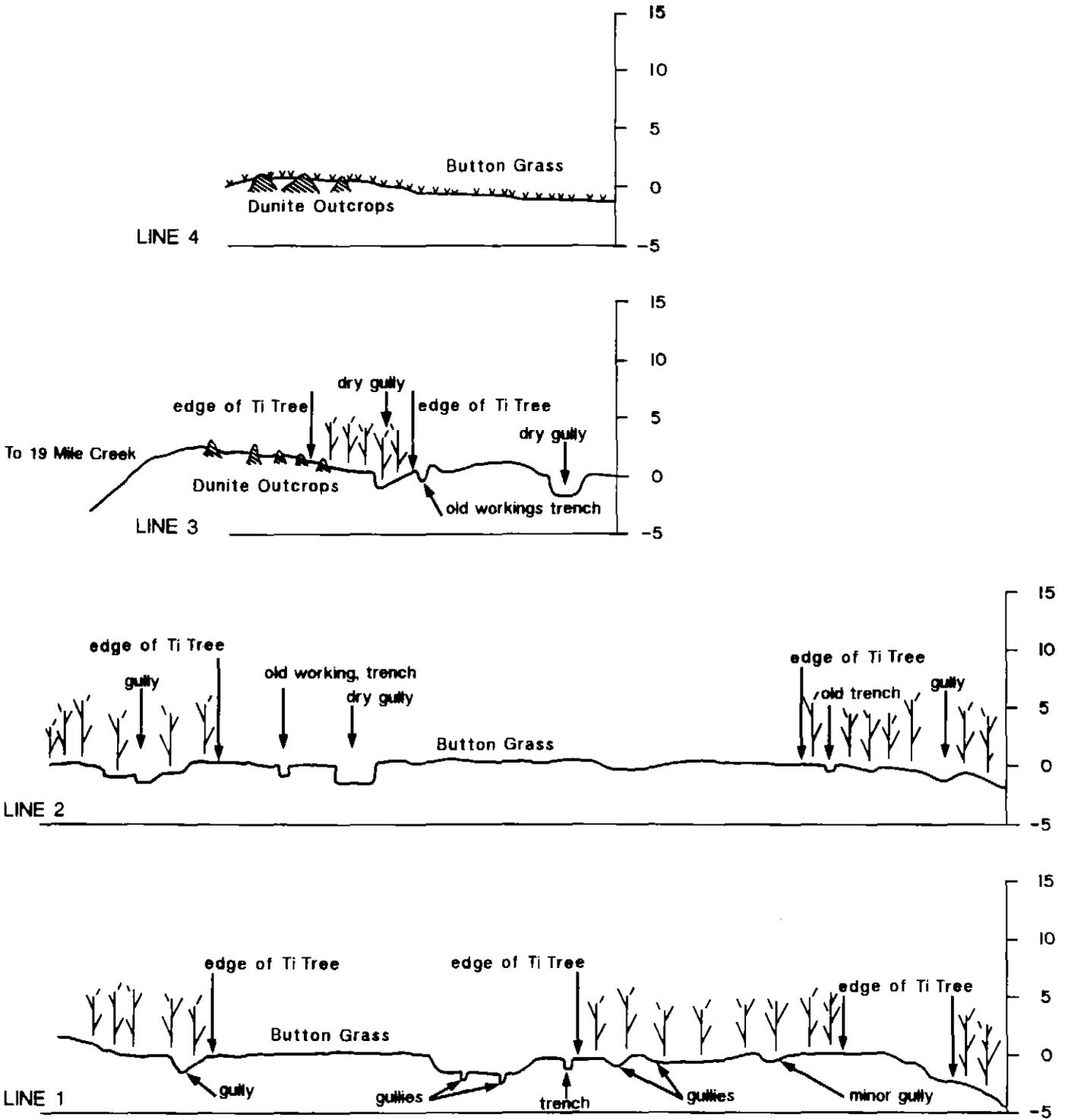
900 E

950 E

1000 E

1050 E

1100 E



METALS EXPLORATION LIMITED

HEAZLEWOOD, TASMANIA  
EL 21/85

### BALD HILL AUGER PROGRAM

5 cm

787035

Horizontal Scale 1:1500  
Date 30/April/1987

Figure 17  
Drg No 88-016

		Interval (metres)	parts per billion					
	Pt		Pd	Ru	Ru	Ir	Os	
Line 1	910 mE	0.1 - 0.5	20	2	63	3.5	370	490
Line 2	1010 mE	0.3 - 0.8	116	1.5	610	21	3200	3900
Line 2	1120 mE	Basement	120	2.0	650	22	3700	5300
Line 3	930 mE	0 - 0.8	180	440	180	61	45	68

The sample from Line 3, 930 mE, 0 - 0.8 metres shows fairly moderate and fairly uniform elevation of all PGEs, with Pd, Pt and Ru being 3-10 times higher than Os, Ir and Rh. The other three anomalous samples are preferentially enriched in Os and Ir, and to a lesser extent, Ru. Line 3, 930 mE, 0 - 0.8 metres is the only sample to show Pd enrichment, perhaps reflecting the mobility of this element. The richest sample, Line 2, 1120 mE, was taken in pyroxenite basement and had a combined osmium + iridium value of 9 g/tonne.

The distribution of high values (Fig 16) does not suggest that a single linear mineralised zone exists, but the fact that the richest value occurred in basement, and the basement exposed in the workings is essentially all pyroxenite, does suggest that at Purcells the mineralisation was primary and hosted in pyroxenite.

Although only four of of 93 samples had PGE contents approaching ore grade, that is sufficient encouragement to spend more effort finding the source of the mineralisation.

CONCLUSIONS

1. Stream sediment sampling has confirmed an association between anomalous osmium + iridium and chromite-rich dunites, with minor pyroxenites. There is some evidence that several PGE associations exist in the stream sediments and they may correlate in part with lithological associations in the region.
2. Grid mapping has defined zones of chromite enrichment on each of the Brassey, Burgess and Fentons target areas. The chromitites are associated with plagioclase-bearing rocks, typical of the lithologies known to host PGE mineralisation in the major platinum provinces. There is evidence of magma mixing and hydrothermal alteration associated with the Heazlewood chromitites.
3. Sampling and drilling at Caudrys workings failed to detect any significant PGE mineralisation.
4. Auger drilling at Purcells workings identified localised PGE anomalies associated with pyroxenite bedrock.
5. Exploration results to date justify the heavy programme of mapping, trench sampling and drilling proposed for the coming field season.

PROPOSED EXPLORATION PROGRAMME, YEAR 3, 1/12/87 - 1/12/88

The field activities planned for the next year will be directed at following up the progress achieved in the past twelve months, particularly in the Brassey, Burgess, Caudrys/Purcells and Fentons areas.

The range of activities includes on-going mapping and rock chip sampling (Fentons, Purcells), the resumption of trenching (as per the 1986/87 programme for Brassey, Burgess and Fentons plus some trenching in the Purcells area), and the drill testing of parts of the Brassey, Burgess and Fentons grids.

Drill site preparation will involve the use of a bulldozer or an excavator, and a total of approximately 1000 m of drilling is planned for the three areas. Nickel sulphide targets on Brassey Hill and in the central part of Fentons Grid will be drilled, with possible targets in the Nineteen Mile Creek dunites (at Purcells) and in the chromitite zones of the Brassey Hill and Burgess Hill areas.



APPENDIX 1

# 88-2804

METALS EXPLORATION LIMITED

787041  
NORTH WEST TASMANIA  
EXPLORATION LICENCE 21/85  
HEAZLEWOOD  
Topographical Features

SCALE 1:25000  
DATE FEB 1988  
FIGURE 1  
Drg.No 02/HZ/1/06



5 cm

FIGURE 1

787

LEGEND

- Power line
- Major sealed road
- Main dirt road
- Track



640

787042

STREAM SEDIMENT  
SAMPLE LOCATIONS



787043  
88-2804



REFERENCE NUMBER 31844

001

20 MAR., 1987

ORDER NUMBER 19007/19025 /19008

Metals Exploration Ltd  
\*\*\*\*\*

80 Collins St

MELBOURNE VIC 3000

Analysis of Mineral Samples  
\*\*\*\*\*



AUTHORISED BY : T.K.CHAN

ANALYSED BY :  
ANALYTICAL SERVICES (WA) PTY LTD  
19 AUGUSTA ST  
WILLETTON WA 6155  
TELEPHONE 457 1488 457 2569  
TELEX AA 94767

787044

642

1.5kg stream sediment  
Copper  
(- passed pan  
cont.)

REFERENCE NUMBER 31844

Order No 19007/19025

PAGE 1

SAMPLE NUMBER	Au ppb	Pt ppb	Pd ppb	Ru ppb	Rh ppb	Ir ppb	Os ppb	Au F ppb
214201	8	4.5	1.5	6.0	2.0	2.0	2	BC-1
214202	46	3.5	1.5	6.5	1.5	2.5	2	-2
214203	24	11	1.0	6.0	2.0	2.0	< 2	-3
214204	8	4.5	0.5	6.5	1.5	1.5	< 2	-4
214205	6	2.0	1.0	6.0	1.0	1.0	< 2	MR-1
214206	8	3.0	1.0	5.5	1.5	1.5	< 2	-5
214207	< 2	4.5	3.5	5.0	1.5	1.0	< 2	3
214208	4	5.5	3.5	5.5	1.5	1.0	< 2	4
214209	4	6.0	3.5	4.5	2.0	1.0	< 2	5
214210	2	7.0	8.5	2.5	1.5	<0.5	< 2	6
214210 DUP	6	8.0	7.0	3.0	1.5	<0.5	< 2	
214211	< 2	6.0	12)	2.5	1.0	<0.5	< 2	7
214212	4	11	9.5	3.0	1.5	<0.5	< 2	8
214213	6	8.0	9.5	3.0	1.0	<0.5	< 2	
214214	6	4.5	6.5	4.0	1.5	1.0	< 2	10
214215	2	5.0	7.5	3.0	1.0	<0.5	< 2	
214216	4	4.5	4.0	5.5	2.0	1.0	< 2	12
214217	4	5.0	6.0	4.5	1.5	1.0	< 2	
214218	6	4.0	6.0	3.5	1.5	0.5	< 2	14
214219	2	5.0	3.5	5.0	1.5	0.5	< 2	
214220	4	5.0	4.5	4.5	1.5	1.0	< 2	16
214220 DUP	4	3.5	4.5	5.5	1.5	1.0	< 2	
214221	8	5.0	3.5	5.0	2.0	1.0	< 2	17
214222	4	4.5	6.5	4.0	1.0	0.5	< 2	18
214223	4	5.5	3.0	6.5	1.5	1.5	< 2	19
214224	4	9.5	1.0	5.5	2.0	0.5	2	NC-1
214225	8	8.0	1.5	3.5	2.0	0.5	< 2	-2
214226	< 2	3.5	1.5	4.0	2.0	1.0	< 2	-3
214227	4	4.0	1.0	6.5	2.5	2.0	< 2	4
214228	< 2	2.5	1.5	5.5	2.0	1.5	< 2	5
214229	2	9.5	1.0	11	3.5	0.5	< 2	
214230	< 2	10	0.5	9.0	3.0	<0.5	< 2	
214230 DUP	4	8.0	2.0	8.0	2.5	<0.5	< 2	
214231	2	2.5	2.0	6.0	2.0	1.5	< 2	
214232	4	9.0	8.0	7.0	2.5	0.5	< 2	

BORGESS CK.

HAZZLEWOOD River

Nickel ck

787045

043

REFERENCE NUMBER 31844

Order No 19007/19025

PAGE 2

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SAMPLE NUMBER	Au ppb	Pt ppb	Pd ppb	Ru ppb	Rh ppb	Ir ppb	Os ppb	Au F ppb
214233	4	4.0	1.0	6.0	2.0	1.5	< 2	
214234	< 2	7.0	2.0	6.5	2.5	1.5	< 2	
214235	< 2	4.5	3.0	5.5	2.0	1.0	< 2	
214236	< 2	5.5	2.5	6.0	2.0	7.0	8	
214237	< 2	9.0	2.5	4.5	1.5	0.5	< 2	
214238	< 2	6.5	1.5	5.5	2.0	0.5	< 2	15
214239	6	4.0	1.5	5.0	2.0	1.0	< 2	80-5
214240	4	4.5	2.0	6.0	1.5	0.5	< 2	6
214240 DUP	< 2	3.0	1.5	4.5	1.5	< 0.5	< 2	
214241	18	4.0	2.5	4.5	1.5	< 0.5	< 2	7
214242	6	6.0	4.0	4.5	1.5	1.0	< 2	8
214243	< 2	3.0	3.5	4.5	1.5	0.5	< 2	9
214244	4	19	1.0	5.5	2.0	1.0	< 2	10
214245	< 2	4.5	< 0.5	8.5	2.0	1.5	< 2	
214246	2	5.5	< 0.5	11	3.5	1.5	< 2	
214247	16	1.5	< 0.5	4.5	2.5	0.5	< 2	
214248	2	1.0	< 0.5	7.5	1.5	1.5	< 2	
214249	2	2.0	< 0.5	7.0	2.0	2.5	< 2	
214250	6	3.0	< 0.5	15	3.0	2.0	< 2	
214250 DUP	14	2.0	1.0	16	3.5	2.0	2	
214251	2	4.0	1.5	16	4.5	4.0	2	
214252	2	3.0	1.5	15	4.5	2.0	2	
214253	6	2.5	1.5	11	2.5	2.5	2	
214254	6	4.0	1.5	6.0	2.5	1.5	< 2	
214255	10	3.0	1.5	5.5	1.5	1.5	< 2	
214256	< 2	3.0	1.5	9.0	2.0	1.5	< 2	
214257	2	3.0	1.5	6.5	2.0	1.5	< 2	
214258	14	3.0	1.5	7.5	2.0	2.0	< 2	
214259	10	11	1.5	18	3.5	10	10	
214260	10	3.5	1.5	7.5	2.0	1.5	< 2	
214260 DUP	4	5.0	1.5	7.0	2.0	1.5	< 2	
214261	< 2	3.5	1.5	7.0	2.5	1.0	< 2	27
214262	16	5.5	1.0	5.0	1.5	0.5	< 2	
214263	12	5.0	2.5	4.5	1.5	< 0.5	< 2	
214264	4	4.5	0.5	4.0	1.5	< 0.5	< 2	

B

DUP

B

B

Nickel ck

Burgess ck

Roaring May ck

787046

634

REFERENCE NUMBER 31844

Order No 19007/19025

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SAMPLE NUMBER	Au ppb	Pt ppb	Pd ppb	Ru ppb	Rh ppb	Ir ppb	Os ppb	Au F ppb
---------------	--------	--------	--------	--------	--------	--------	--------	----------

214265	8	4.5	1.0	3.0	1.0	<0.5	< 2	
214266	6	4.0	0.5	3.0	1.0	<0.5	< 2	
214267	4	4.0	1.0	2.5	1.0	<0.5	< 2	
214268	2	3.0	1.0	2.5	1.0	<0.5	< 2	
214269	4	4.5	1.0	3.5	1.0	<0.5	< 2	
214270	2	7.5	0.5	6.0	1.5	<0.5	< 2	
214270 DUP	4	10	<0.5	6.5	1.5	<0.5	< 2	
214271	2	18	0.5	7.5	2.5	13	4	
214272	6	7.0	1.0	5.0	1.5	1.0	< 2	
214273	2	4.5	1.0	3.5	1.0	1.0	< 2	
214274	6	15	1.5	11	3.5	11	6	
214275	4	5.5	1.0	4.0	2.0	<0.5	< 2	
214276	4	7.0	1.0	4.5	2.0	1.0	< 2	
214277	6	19	1.5	9.0	3.0	1.0	2	
214278	2	9.5	1.0	11	3.5	1.0	< 2	
214279	4	8.0	0.5	13	3.5	1.0	< 2	
214280	< 2	7.5	1.0	7.0	3.0	1.0	< 2	
214280 DUP	< 2	5.0	<0.5	7.0	3.5	1.5	< 2	
214281	< 2	4.0	4.5	4.0	1.5	0.5	< 2	
214282	4	4.0	5.5	3.5	1.5	0.5	< 2	
214283	< 2	4.5	4.5	2.5	1.0	<0.5	< 2	
214284	14	7.0	1.0	4.5	1.5	1.0	< 2	
214285	< 2	3.5	4.0	3.5	1.5	0.5	< 2	
214286	4	11	1.0	6.5	2.0	1.0	< 2	
214287	< 2	2.0	<0.5	5.0	2.0	1.0	< 2	
214288	4	6.0	2.0	7.0	2.5	1.5	< 2	
214289	4	2.5	1.0	5.5	1.5	0.5	< 2	
214290	2	3.0	1.0	5.0	1.5	0.5	< 2	
214290 DUP	2	3.0	1.5	5.5	1.5	1.0	< 2	
214291	6	25	<0.5	120	8.5	510	290	
214291 DUP	4	13	<0.5	47	6.0	130	180	
214292	4	5.0	<0.5	11	2.5	4.5	< 2	
214293	2.0	7.5	1.0	9.5	2.5	4.5	4	
214294	2.5	0.5	10	10	2.0	4.0	2	
214295	10	4.0	<0.5	3.5	2.0	3.5	2	

DUP

B

DUP

B

DUP

A

Rearrying Uk

Rec-19  
HR-20

Headwood River

See also 311521-311522

Warner's Uk

787047

uc-1

23

J  
4  
T

045

REFERENCE NUMBER 31844

Order No 19007/19025

PAGE 4

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SAMPLE NUMBER	Au ppb	Pt ppb	Pd ppb	Ru ppb	Rh ppb	Ir ppb	Os ppb	Au, F ppb
214295	4	1.0	0.5	15	2.5	7.0	8	
214296 DUP	6	4.0	0.5	19	3.0	7.0	8	
214297	2	15	1.0	77	4.5	550	500	
214297 DUP	5	4.0	<0.5	14	2.0	15	8	
214297 DUP	4	4.0	1.0	18	2.5	27	24	
214298	4	7.0	1.0	11	4.0	3.5	< 2	
214298 DUP	4	10	0.5	12	5.0	4.0	4	
214299	2	110	<0.5	740	37	1.8m	1.0m	
214299 DUP	8	590	90	330	410	64	80	
214299 DUP	5	15	7.5	22	7.5	12	12	

A

NH-1

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255775	6	1.5	3.5	5.5	2.0	1.5	< 2	5
255776	4	<0.5	1.0	5.0	1.5	1.0	< 2	6
311500	2	9.0	1.0	13	5.5	2.0	< 2	
311501	4	3.5	1.0	18	4.0	7.0	6	
311501 DUP	5	3.0	0.5	14	5.0	5.0	4	
311502	14	120	1.0	710	23	3.5m	1.8m	
311502 DUP	5	36	1.0	15	5	7.0	6	
311502 DUP	10	5.0	8.5	20	5.0	20	8	
311503	10	130	0.5	610	60	1.1m	1.8m	
311503 DUP	5	7.0	1.0	14	3.0	18	20	

A

NH-7

MZ-112-190-19025

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046

REFERENCE NUMBER 31844

Order No 19007/19025

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SAMPLE NUMBER	Au ppb	Pt ppb	Pd ppb	Ru ppb	Rh ppb	Ir ppb	Os ppb	Au F ppb
---------------	--------	--------	--------	--------	--------	--------	--------	----------

311503	DUP	12	5.0	5.0	12	3.5	5.0	< 2	NM-8
311504		2	8.0	0.5	12	2.0	18	14	
311504	DUP	5	8.0	1.5	8.0	2.0	3.0	4	
311505		2	42	1.5	14	3.0	9.5	12	
311505	DUP	4	7.0	<0.5	19	2.5	7.5	8	
311506		20	14	1.0	15	3.0	8.0	8	
311507		4	6.0	1.5	9.5	1.5	7.0	4	
311508		2	13	1.0	12	2.0	58	14	NM-13
311509		< 2	220	8.0	14	17	5.0	4	
311510		28	22	1.0	10	5.0	4.5	4	
311511		< 2	20	1.5	11	3.5	7.5	8	
311512		10	7.0	1.0	9.5	3.0	3.5	4	
311513		6	13	<0.5	9.5	4.5	5.0	4	
311514	A	4	5.0	<0.5	8.0	2.0	2.5	2	
311515		6	6.0	1.0	7.0	2.0	2.5	2	
311515	DUP	4	4.0	0.5	6.5	2.0	2.0	2	
311516		6	31	0.5	14	6.0	39	24	
311517		4	7.5	0.5	9.5	2.0	5.0	4	
311518		4	11	1.0	11	3.0	4.0	4	
311519		6	25	2.0	8.0	2.0	17	22	
311520		6	2.5	1.0	6.5	1.5	3.0	2	NM-25
311521		4	2.0	1.0	4.0	1.0	1.0	< 2	
311522	B	4	1.5	1.0	5.5	1.5	1.0	< 2	
311523		6	4.5	1.0	8.0	1.5	3.5	2	MR-20
311524		8	3.5	1.0	8.0	2.0	3.5	2	
311525		18	32	<0.5	13	2.0	31	24	
311525	DUP	4	15	<0.5	22	2.5	17	8	
311526		8	3.5	0.5	8.0	2.0	4.5	4	
311527		6	3.5	3.0	4.0	1.5	1.0	< 2	
311528		6	1.5	3.0	12	2.5	7.5	6	
311529		6	7.5	1.5	11	2.0	3.5	2	
311530		6	58	<0.5	11	2.0	12	8	
311531		6	5.5	1.5	12	2.5	3.5	4	
311532		6	7.5	2.5	15	3.5	11	10	
311533		6	2.5	1.0	10	2.0	2.5	2	MR-40.

Vertical line with arrows pointing to sample groups A and B.

A

B

Population A

Nhakananda ck

Bengeo ck.

Heartwood River

787049

027

REFERENCE NUMBER 31844

Order No 19007/19025

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Notes on Analysis of these Samples

An 'm' Suffix after a result implies results are expressed in ppm for this sample ✓

SAMPLES 214291 , 214297 , 214299 ,311502 AND 311503 APPEAR TO BE HETEROGENEOUS. ✓

Au Pt Pd Ru Rh Ir Os

have been determined by Fire Assay of the sample (in NEW pots) using Nickel Sulphide as the collection media. The Platinoids have been recovered from the Nickel Sulphide and analysed by ICP-Mass Spectrometry.

Au F

has been determined by Fire Assay (Lead collection) of a 50 gm sample.

✓ The Noble Metal prill has been dissolved and the solution analysed by Inductively Coupled Plasma - Mass Spectrometry.

SAMPLE STORAGE

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Sample pulps and residues will be stored free of charge for ONE MONTH after reporting.

Samples are then Palletised, and a fee of 30.60 per day per Pallet required is levied.

787050

048

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ANALYTICAL REPORT

JOB COM870356  
O/N : 19008

SAMPLE	AU
214285	<0.02
214286	<0.02
214287	<0.02
214288	<0.02
214289	<0.02
214290	<0.02
214291	<0.02
214292	<0.02
214293	<0.02
214294	<0.02
214295	<0.02
214296	<0.02
214297	<0.02
214298	<0.02
214299	<0.02
311500	<0.02
311501	<0.02
311502	<0.02
311503	<0.02
311504	<0.02
311505	<0.02
311506	<0.02
311507	<0.02
311508	<0.02
311509	<0.02
UNITS	ppm
SCHEME	AAS5B

649

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ANALYTICAL REPORT

JOB COM870356  
O/N : 19008

SAMPLE	Au
311510	<0.02
311511	<0.02
311512	<0.02
311513	<0.02
311514	<0.02
311515	<0.02
311516	<0.02
311517	<0.02
311518	<0.02
311519	<0.02
311520	<0.02
311521	<0.02
311522	<0.02
311523	<0.02
311524	<0.02
311525	<0.02
311526	<0.02
311527	<0.02
311528	<0.02
311529	<0.02
311530	<0.02
311531	<0.02
311532	<0.02
311533	<0.02
UNITS	ppm
SCHEME	AAS5B





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ANALYTICAL REPORT

JOB COM870206  
O/N : 19007

SAMPLE	Au	Pt	Pd
214201	0.04	<5	4
214202	0.02	10	<1
214203	0.02	<5	<1
214204	0.01	<5	2
214205	0.05	<5	<1
214206	0.05	<5	<1
214207	0.01	<5	2
214208	0.01	<5	1
214209	0.02	<5	<1
214210	0.02	5	1
214211	0.02	5	1
214212	0.02	<5	1
214213	0.02	<5	<1
214214	0.01	<5	<1
214215	0.02	<5	1
214216	0.01	<5	2
214217	0.02	<5	2
214218	0.02	5	3
214219	<0.01	<5	<1
214220	0.01	<5	<1
214221	0.01	5	<1
214222	<0.01	5	<1
214223	0.01	<5	<1
214224	0.01	8	<1
214225	0.02	<5	2
UNITS	ppm	ppb	ppb
SCHEME	FAS1	FAS2	FAS2

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ANALYTICAL REPORT

JOB COM870206  
O/N : 19007

SAMPLE	Au	Pt	Pd
214226	0.02	<5	<1
214227	0.04	<5	<1
214228	<0.01	<5	<1
214229	<0.01	<5	<1
214230	<0.01	<5	<1
214231	<0.01	<5	<1
214232	<0.01	<5	4
214233	<0.01	<5	<1
214234	<0.01	<5	<1
214235	<0.01	<5	2
214236	<0.01	<5	<1
214237	0.02	<5	<1
214238	<0.01	<5	<1
214239	0.01	<5	<1
214240	<0.01	<5	<1
214241	<0.01	<5	1
214242	0.02	<5	<1
214243	0.01	<5	<1
214244	0.02	<5	<1
214245	0.04	<5	<1
214246	<0.01	<5	<1
214247	<0.01	<5	<1
214248	<0.01	<5	<1
214249	0.15	<5	<1
214250	0.02	30	2
UNITS	ppm	ppb	ppb
SCHEME	FAS1	FAS2	FAS2

*Handwritten notes:*  
214230  
214231

*Handwritten note:*  
214244

*Handwritten mark:*  
X

038

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## ANALYTICAL REPORT

JOB COM870206

O/N : 19007

SAMPLE	Au	Pt	Pd
214251	<0.01	<5	2
214252	0.02	<5	<1
214253	<0.01	<5	<1
214254	0.16	<5	<1
214255	<0.01	<5	<1
214256	<0.01	<5	<1
214257	0.06	<5	<1
214258	0.01	<5	4
214259	<0.01	<5	<1
214260	<0.01	<5	3
214261	<0.01	<5	<1
214262	<0.01	<5	4
214263	<0.01	<5	<1
214264	<0.01	<5	5
214265	<0.01	<5	<1
214266	<0.01	<5	<1
214267	0.02	<5	<1
214268	<0.01	<5	3
214269	0.03	<5	<1
214270	<0.01	<5	2
214271	0.01	<5	2
214272	<0.01	<5	3
214273	<0.01	<5	<1
214274	<0.01	<5	7
214275	<0.01	<5	6
UNITS	ppm	ppb	ppb
SCHEME	FAS1	FAS2	FAS2

054

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ANALYTICAL REPORT

JOB COM870206

D/N : 19007

SAMPLE	Au	Pt	Pd
214276	<0.01	<5	<1
214277	<0.01	<5	<1
214278	<0.01	<5	<1
214279	<0.01	<5	<1
214280	<0.01	<5	4
214281	<0.01	<5	2
214282	<0.01	<5	8
214283	<0.01	<5	5
214284	<0.01	<5	1
UNITS	ppm	ppb	ppb
SCHEME	FAS1	FAS2	FAS2

*[Handwritten signature]*

*[Handwritten signature]*

M.E.L. & SUBSIDIARIES



FIELD COPY

787058

ANALYSIS ORDER No. 19077

To M.E.L. Laboratory  
cnr. Lionel & Holmes St.  
Boulder, W.A. 6432

To COMBLES  
305 SOUTH ST  
AKC EMP 65 1H  
SOIL ANALYSIS 4031

unless addressed otherwise.

PROPERTY

MAP REFERENCE  
OR DRAWING No.

CONSIGNMENT DETAILS

Total number of samples in consignment: 84 (total of all orders)  
Packed in: ONE FREIGHT BAGS  
Freight company: ANSA 17 AIR FREIGHT  
Consignment Note No.: \_\_\_\_\_ Dated: \_\_\_\_\_  
From (town): PERKINS WINDSOR

OR SEE  
CONSIGNMENT  
DETAILS ON  
ANALYSIS  
ORDER

No. \_\_\_\_\_

ONLY for orders to M.E.L. Lab.  
M.E.L. ACCOUNT CODE or prospect / project

INSTRUCTIONS

1. Preparation  
SOME SAMPLES REQUIRE DRYING

MIXER MILL PREPARATION (TOTAL PREP 6)

2. Elements & Analytical Methods Required.

AU, FLAT PAN (FAS<sub>2</sub>)  
= OS, IR (CONTACT T.G.S)

3. Special Instructions

JOB PRIORITY:

ROUTINE  
 PRIORITY  
 URGENT (authorised by Explor. Mgr.)

ASSAY RESULTS:

Mail a copy of results to addresses listed below.

1 CHIEF DRAFTER, METALS EXPLORATION DEPT  
METALS EXPLORATION LIMITED  
ATTN: IAN HOLTZBURGER  
184 ST GEORGES TERRACE  
PERTH W.A.

2 HARD COPY TO,  
TIM SUMMERS  
METALS EXPLORATION  
28TH FLOOR NAIRU HOUSE  
MELBOURNE VIC.

3 FAX TO,  
TIM SUMMERS  
FAX No (03) 036537114

ORDER PREPARED BY:

B. DARKE  
Print Name

DATE: 3 / 2 / 87  
Day Month Year

LOCATION AND OTHER DETAILS

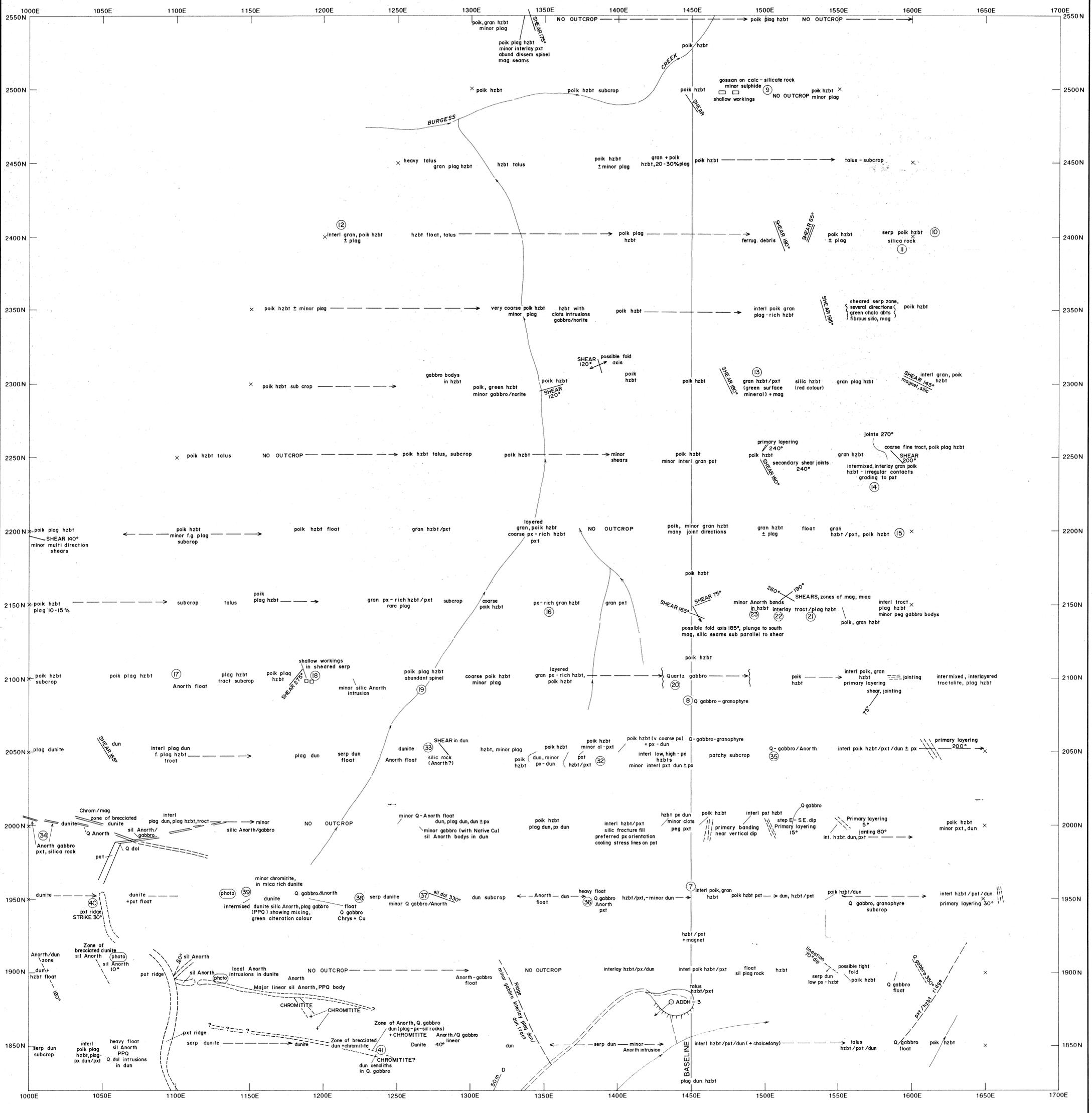
PREPARE COLUMNS & HEADINGS TO SUIT

M.E.L. Analytical Report Sheets	SAMPLE TYPE (Soil, Drill Core, etc.)		(Hole No., Site, etc.)	(Interval, Position, etc.)	(NOTE)
	FIRST SAMPLE No.	LAST SAMPLE No.			
	SAMPLE No.	MATERIAL			
	<u>STREAM SED'S</u>				
1	<u>214201</u>	<u>214204</u>	<u>BC1-BC4</u>	<u>BURGESS CREEK</u>	
2	<u>205</u>	<u>223</u>	<u>HR1-HR19</u>	<u>HAEZLEWOOD RIVER</u>	
3	<u>224</u>	<u>238</u>	<u>NC1-NC15</u>	<u>NICKEL CREEK</u>	
4	<u>214239</u>	<u>214260</u>	<u>BC5-BC26</u>	<u>BURGESS CREEK</u>	
5	<u>214261</u>		<u>BC27</u>	<u>BURGESS CREEK</u>	
6	<u>214262</u>	<u>214280</u>	<u>RC1-RC19</u>	<u>ROARING MEG CREEK</u>	
7	<u>214281</u>	<u>214284</u>	<u>HR20-HR23</u>	<u>HAEZLEWOOD RIVER</u>	
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
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22					
23					
24					
25					
26					
27					
28					
29					
30					

INVOICE: Send invoice to above address

038

787059



**LITHOLOGIES**

anorth	Anorthosite
dol	Dolerite
gab/nor	Gabbro/Norite
tract	Tractolite
pxt	Pyroxenite
hzbt	Harzburgite
dun	Dunite
chromit	Chromitite
PPQ	Silica/Calc Silicate/PPQ Rock

**MINERAL QUALIFIERS**

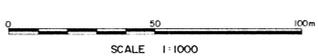
abts	Asbestos
chalc	Chalcocite
chrys	Chrysocolla
Cu	Native Copper
mag	Magnetite
mica	?Chlorite
plag	Plagioclase
Q	Quartz
serp	Serpentine
sil	Silica
Gn Sp Cp Py	Sulphide
Zar	Zaratite
Cr	Chromite

**TEXTURE/FABRIC**

brec	Breccia
dissem	Disseminated
fine,medium	Grain size
gran	Granular
interl	Interlayered
peg	Pegmatitic
poik	Poikilitic

ADDH Amax DDH  
TDDH Theseus DDH

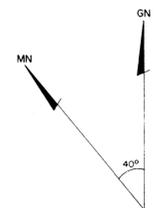
NOTE: This map adjoins Dwg No 88-020



88-2804

787000

5 cm



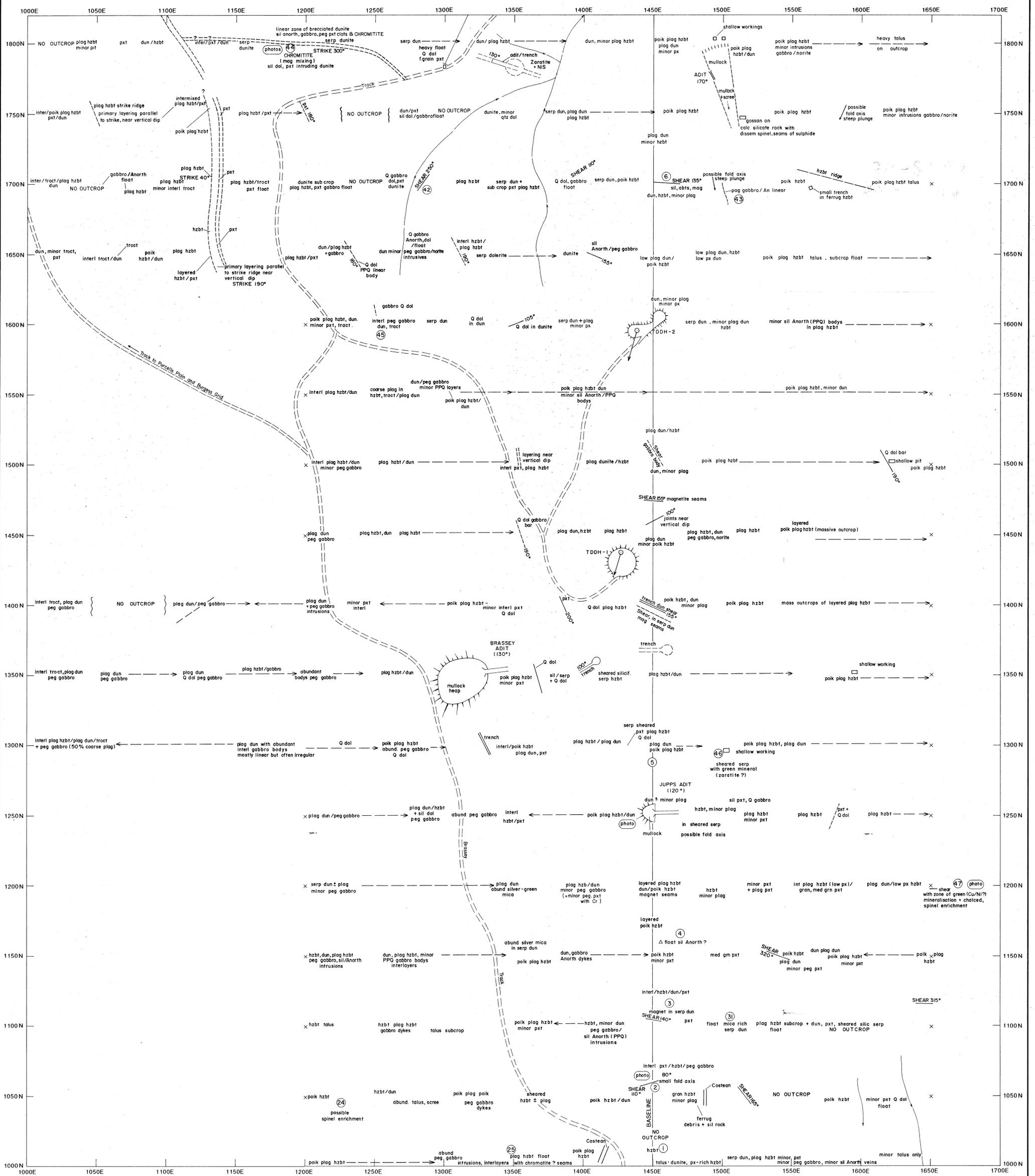
**METALS EXPLORATION LIMITED**  
HEAZLEWOOD EL21/85  
TASMANIA

**Brassy Grid Geology**

7789

Geology K.C. Morrison  
NORTHERN SHEET

Appendix 3A  
Dwg No 02/HZ/2/06  
Date: Jan/Feb 1987



**LITHOLOGIES**

anorth	Anorthosite
dol	Dolerite
gab/nor	Gabbro/Norite
troct	Troctolite
pxt	Pyroxenite
hzbt	Horzburgite
dun	Dunite
chromit	Chromitite
PPQ	Silica/Calc Silicate/PPQ Rock

**MINERAL QUALIFIERS**

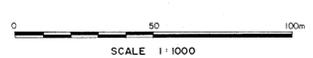
abts	Asbestos
chal	Chalcocopyrite
chrys	Chrysocolla
Cu	Native Copper
mag	Magnetite
mica	? Chlorite
plag	Plagioclase
Q	Quartz
serp	Serpentine
sil	Silica
Gn Sp Cp Py	Sulphide
Zar	Zaratite
Cr	Chromite

**TEXTURE / FABRIC**

brec	Breccia
dissem	Disseminated
fine, medium	Grain size
gran	Granular
interl	Interlayered
peg	Pegmatitic
poik	Poikilitic

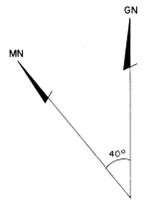
ADDH	Amox DDH
TDDH	Theseus DDH

NOTE: This map adjoins Dwg No. 88-019



88-2804

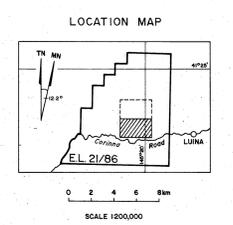
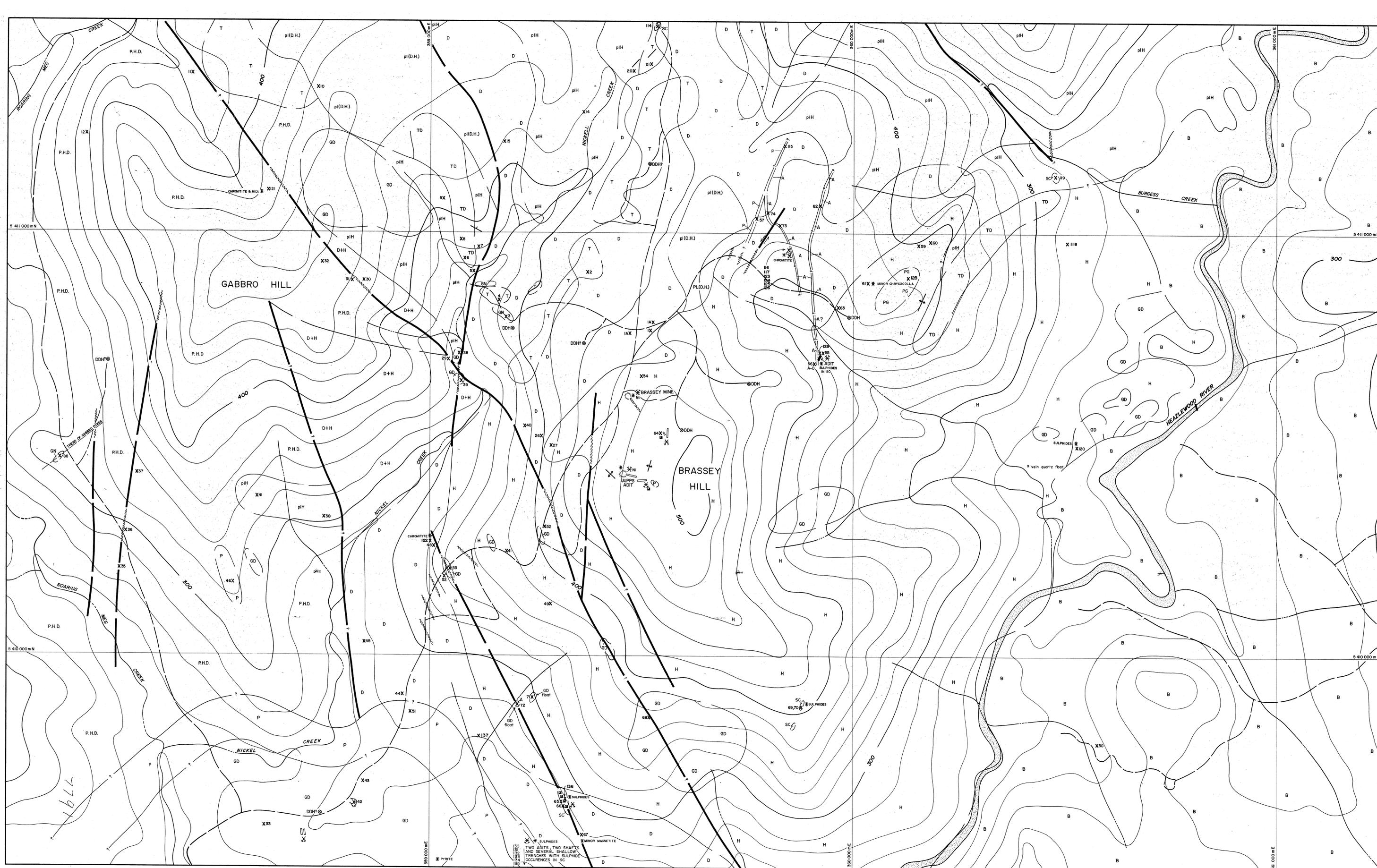
78001



**METALS EXPLORATION LIMITED**  
HEAZLEWOOD EL21/85  
TASMANIA

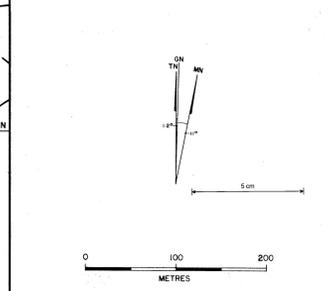
**Brassey Grid Geology**

(31) Whole rock sample number  
All bearings are magnetic



- LEGEND**
- TRACK
  - CREEK
  - CONTOURS (20m intervals)
  - GEOLOGICAL BOUNDARY - POSITION APPROXIMATE
  - GEOLOGICAL BOUNDARY - POSITION INFERRED
  - FAULT POSITION APPROXIMATE
  - FAULT POSITION INFERRED
  - ANTICLINE, FOLD AXIS
  - STRIKE OF BEDS
  - SHEAR ZONE
  - SILICIFICATION
  - X21 SAMPLE LOCALITY (PREFIX 231.....)
  - ⊙ DDH PRE M.E.L. DIAMOND DRILL HOLE SITE
  - ⊙ CHROMITITE MINOR MINERAL OCCURRENCE
  - Os OSMIRIDIUM
  - ⊗ ABANDONED ALLUVIAL WORKINGS
  - ⊗ ABANDONED HARD ROCK WORKINGS
  - ⊗ MINE NOT BEING WORKED
  - ⊗ QUARRY
  - ⊗ SHALLOW SHAFT, TRENCH

- TERTIARY**
- TB BASALT
  - B BASALT
  - PG PLAGIO GRANITE
  - SC SILICA CARBONATE ROCK
  - A ANORTHOISITE
  - T TROCTOLITE
  - GD GABBRO/DOLERITE
  - GN GABBRO/NORITE
  - P PYROXENITE
  - H HARZBURGITE (GHI PLAGIOCLASE HARZBURGITE)
  - D DUNITE
- MULTI LITHOLOGY ROCK GROUPS**
- P.H.D. INTERLAYERED PYROXENITE - HARZBURGITE - DUNITE
  - P(H)D.H. INTERLAYERED PLAGIOCLASE DUNITE - PLAGIOCLASE HARZBURGITE
  - P(H)D(H) INTERLAYERED PLAGIOCLASE DUNITE - PLAGIOCLASE HARZBURGITE - TROCTOLITE
  - TD INTERLAYERED TROCTOLITE - DUNITE



**88-2804**

**METALS EXPLORATION LIMITED**

HEAZLEWOOD PROSPECT, N.W. TASMANIA  
EXPLORATION LICENCE 21/85

787062

Interpretation of Fact Geology

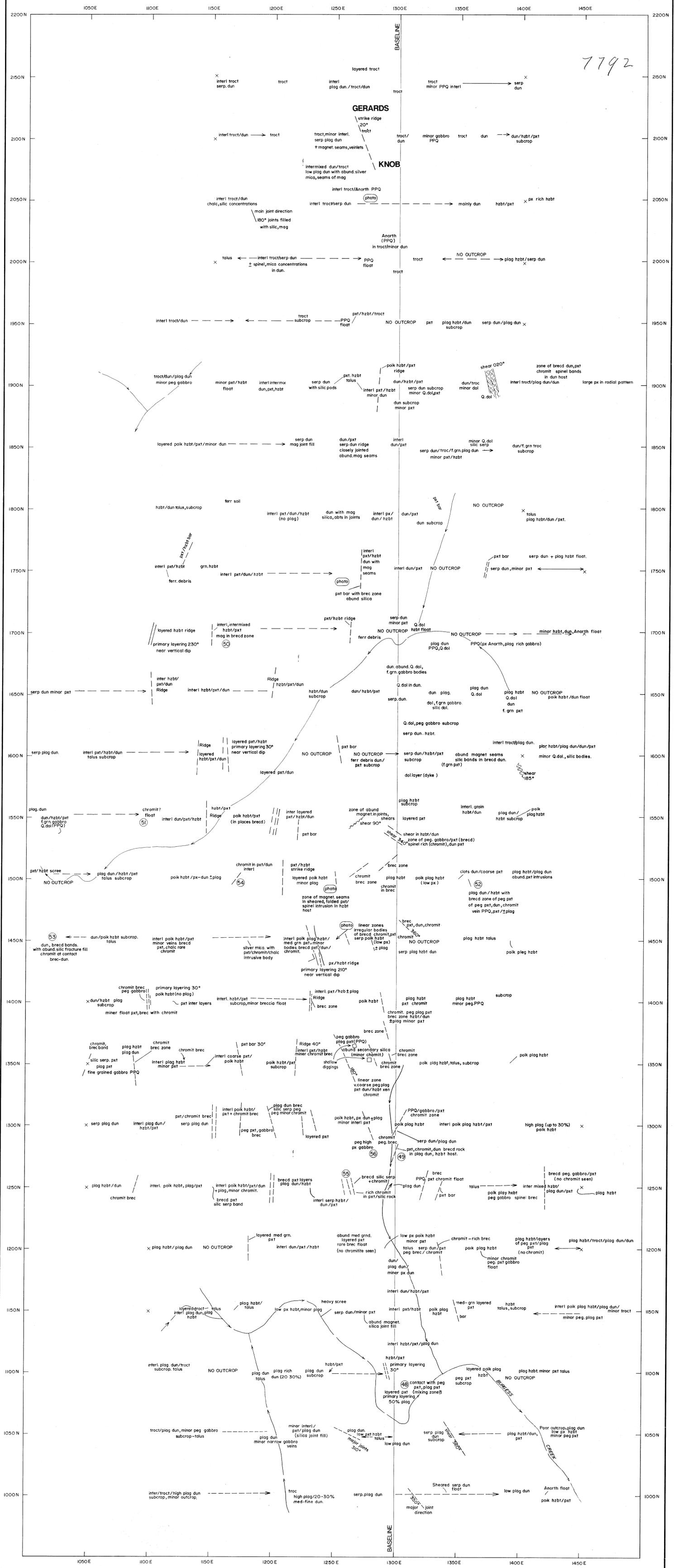
**BRASSEY HILL SHEET** 7791

PREPARED BY T. SUMMONS, K. MORRISON, G. ANDERSON  
DATE OCTOBER 1986  
SCALE 1:2500

APPENDIX 3C  
Fig. No. 3C  
Dwg. No. 02/HZ/2/08  
BASE MAP DRG. NO. 86-336

657

787063



7792

787064

88-2804

METALS EXPLORATION LIMITED

HEAZLEWOOD EL21/85

TASMANIA

Burgess Grid  
(Chromite Ridge)

Geology 7792

**LITHOLOGIES**

anorth	Anorthosite
dol	Dolerite
gab/nor	Gabbro/Norite
tract	Troctolite
pxt	Pyroxenite
hzbt	Harzburgite
dun	Dunite
chromit	Chromitite
PPQ	Silica/Calc Silicate/PPQ Rock

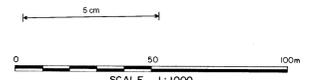
**MINERAL QUALIFIERS**

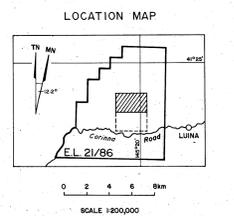
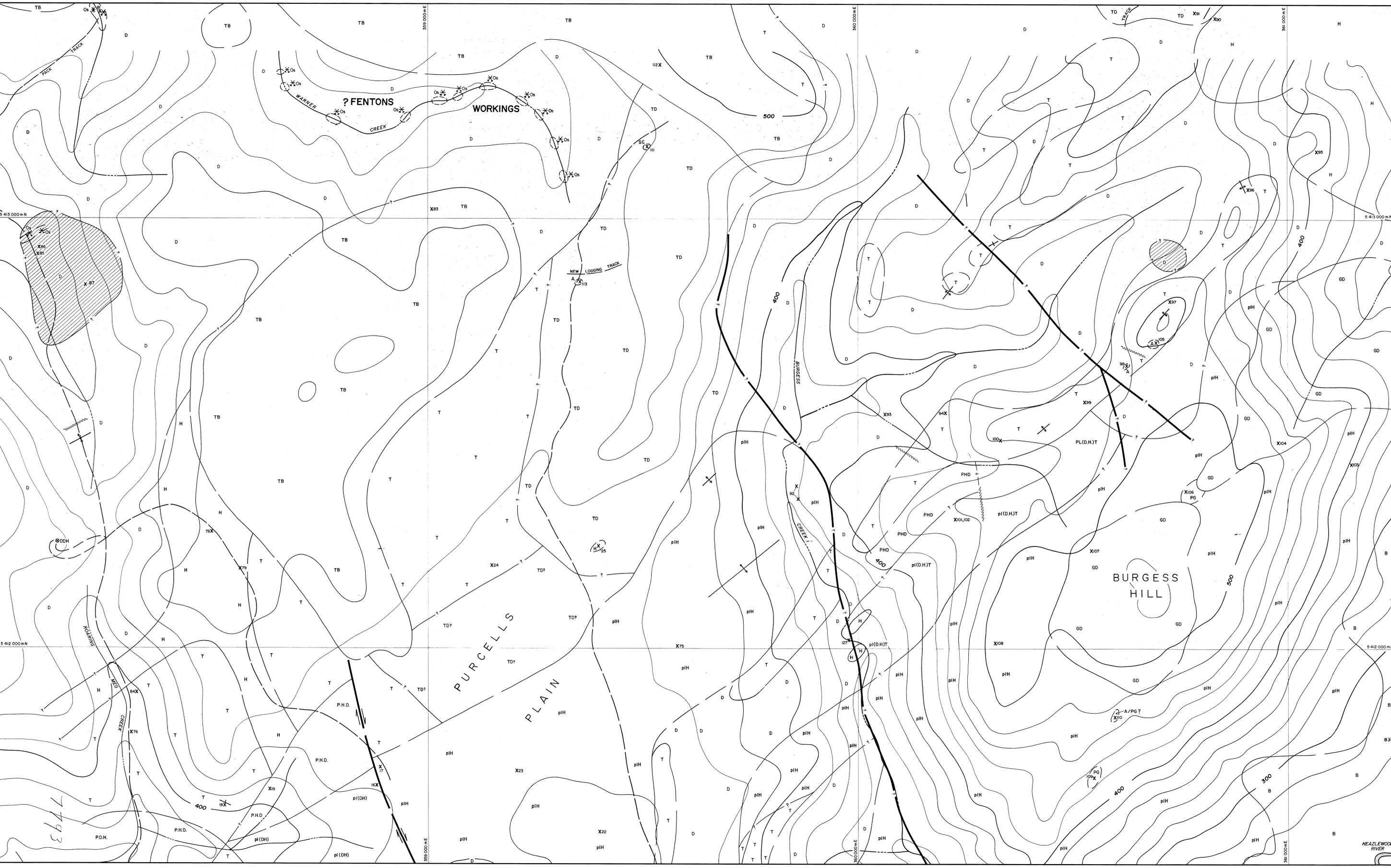
abts	Asbestos
chalc	Chalcidony
chrys	Chrysocholla
Cu	Native Copper
mag	Magnetite
mica	? Chlorite
plag	Plagioclase
Q	Quartz
serp	Serpentine
sil	Silica
Gn Sp Cp Py	Sulphide
Zar	Zarite
Cr	Chromite

**TEXTURE/FABRIC**

brec	Breccia
dissem	Disseminated
fine, medium	Grain size
gran	Granular
interl	Interlayered
peg	Pegmatitic
poik	Poikilitic

- Strike and dip of layering
- Strike and dip of jointing
- Direction of foliation
- Direction of sheared zone
- Serpentine veinlets
- "Pseudo" mylonite
- Whole rock sample no.

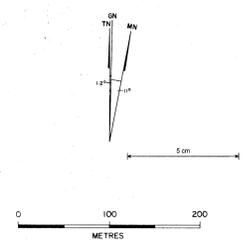




**LEGEND**

- TRACK
- CREEK
- CONTOURS (20m intervals)
- GEOLOGICAL BOUNDARY - POSITION APPROXIMATE
- FAULT POSITION APPROXIMATE
- FAULT POSITION INFERRED
- ANTICLINE, FOLD AXIS
- STRIKE OF BEDS
- SHEAR ZONE
- SILICIFICATION
- X21 SAMPLE LOCALITY (PREFIX 231.....)
- DDH PRE M.E.L. DIAMOND DRILL HOLE SITE
- CHROMITE MINOR MINERAL OCCURRENCE
- ABANDONED ALLUVIAL WORKINGS
- ABANDONED HARD ROCK WORKINGS
- MINE NOT BEING WORKED
- QUARRY
- SHALLOW SHAFT, TRENCH

CAMBRIAN AGE HEAZLEWOOD MAFIC-ULTRAMAFIC COMPLEX	
TB	BASALT
B	BASALT
PG	PLAGIO GRANITE
SC	SILICA CARBONATE ROCK
A	ANORTHOISITE
T	TROCTOLITE
GD	GABBRO/DOLERITE
GN	GABBRO/NORITE
P	PYROXENITE
H	HARZBURGITE (plH) PLAGIOCLASE HARZBURGITE
D	DUNITE
MULTI LITHOLOGY ROCK GROUPS	
P.H.D.	INTERLAYERED PYROXENITE - HARZBURGITE - DUNITE
pl(D,H)	INTERLAYERED PLAGIOCLASE DUNITE - PLAGIOCLASE HARZBURGITE - TROCTOLITE
pl(D,H,T)	INTERLAYERED PLAGIOCLASE DUNITE - PLAGIOCLASE HARZBURGITE - TROCTOLITE
TD	INTERLAYERED TROCTOLITE - DUNITE



**88-2804**

**METALS EXPLORATION LIMITED**

HEAZLEWOOD PROSPECT, N.W. TASMANIA  
EXPLORATION LICENCE 21/85

787065

Interpretation of Fact Geology

**BURGESS HILL SHEET**

7793

HEAZLEWOOD RIVER  
PREPARED: T. SUMMONS, K. MORRISON, G. ANDERSON  
DATE: OCTOBER 1986  
SCALE: 1:2500  
Appendix 4B  
Dwg No. 02/12/2/07

APPENDIX 5

787067

FIELD ENTRY  
LAB ENTRY

059  
METALS EXPLORATION LIMITED

LINE	CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT							
	FROM E	TO N		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Au	Pt	Pd	Ru	Rh	Ir	Cs	Ni
1	1755	1000		S. deussite	15% Cr (coarse grained)	311 900	x	x	10	65	10	2.5	2	1200
2	1600	2250		(S) d.	30% Cr	901	x	5.5	2.0	6.0	1.5	1.0	x	1450
3	1800	2455		d.	<30% Cr	902	0.03	4.0	2.0	4.5	3.0	1.0	x	1150
4	1650	2450		sup vein d.	mag brecciation. NiS?	903	0.08	5.0	2.0	6.0	2.5	1.5	x	2850
5	1255	2020		d.	up to 20% Cr. eq. to ~75cm	904	x	3.5	1.0	3.0	1.0	0.5	x	1350
6	1600	2100		sup. Cr vein in d.		905	x	5.0	0.5	2.5	1.5	0.5	6	1350
7	1480E	2100		S px lenses with pod	Cr to 5mm	906	x	24	10	4.0	1.5	x	x	330
8	1975E	2000		S. Hz	Cr ~ 10%	311 939		12	25	65	20	0.5	x	12
9	1865	2100		S d + peg px + pods	Cr up to 60% at base of vein	940		160/140	45/60	13/14	18/17	2.0/2.0	2/2	3
10	1905	2100		(S) px deussite	thin to layers	941		890	55	24	77	8.0	8	7
11	2205	2245		(S) deussite	+ peg px Cr ~ 7%	942		110	20	7.5	11	1.0	x	2
12	1810	2350		S deussite	up to 10% Cr	943		2.5	1.5	3.0	0.5	x	x	5
13	1980	1910		deussite	10% c.g. Cr	944		72	25	65	75	1.0	x	11
14	2170	1900		hard yw rd ferruginised	gr. after Hz sheared	945		45	x	1.5	0.5	x	2	
15	1850	1000		patchy S d	+ Cr pods to 12cm	946		4.0	2.5	9.0	2.0	5.0	6	

MAP, AIR PHOTO OR DRAWING No. \_\_\_\_\_

LOGGED BY: \_\_\_\_\_ MACHINE: \_\_\_\_\_ INCLINATION AT COLLAR: \_\_\_\_\_ BEARING AT COLLAR: \_\_\_\_\_ MAG./GRID: \_\_\_\_\_

SAMPLE TYPE: \_\_\_\_\_ FIELD ENTRY BY: \_\_\_\_\_ DATE: / / \_\_\_\_\_

PROSPECT OR PROJECT: \_\_\_\_\_ AREA OR GRID NAME: \_\_\_\_\_

LINE No: \_\_\_\_\_ LOCATION ON LINE OR HOLE NUMBER: \_\_\_\_\_ LOG PAGE OF \_\_\_\_\_

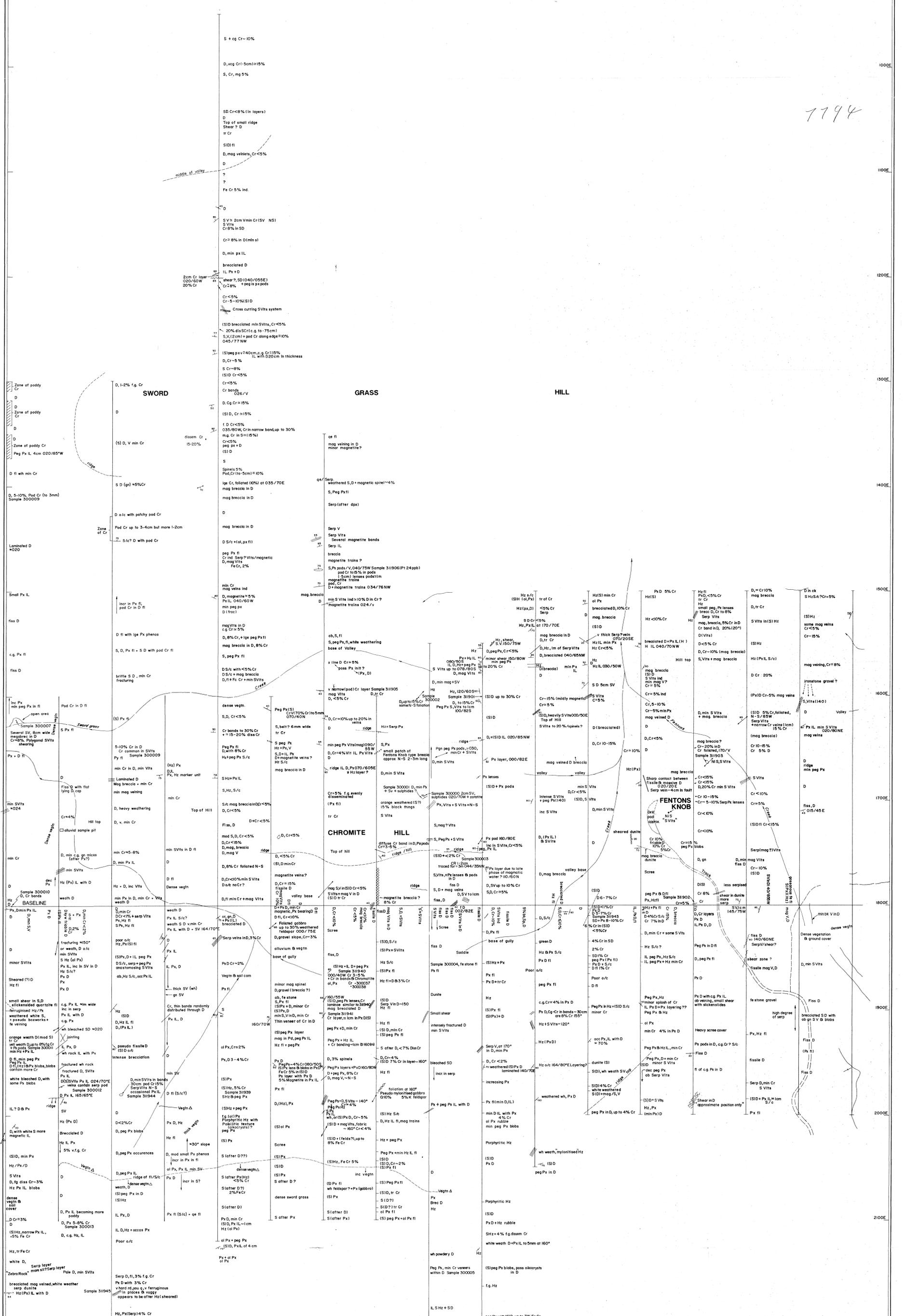
CHECK SAMPLE: \_\_\_\_\_

LAB NOTES: \_\_\_\_\_ CHEMIST: \_\_\_\_\_ DATE: / / \_\_\_\_\_

**LOG & ANALYTICAL REPORT Sheet No. of A/O**



7794



LITHOLOGIES	MINERAL QUALIFIERS	TEXTURE/FABRIC	BEDDING/FOLIATION	LOCATION MAP
anor Anorthosite	abst Asbestos	brec Breccia	V Vein	
dol Dolomite	chal Chalcocopyrite	dissem Disseminated	Vit Veinlet	
gab/nor Gabbro/Norite	chry Chrysocolla	fine-medium Grain size	fiss Fissile	
troct Troctolite	Cu Native Copper	gran Granular	( ) Moderate/incomplete	
pxt Pyroxenite	mag Magnetite	inter Interlayered	Strike and dip of layering	
hxt Hc-turbidite	mic ? Chlorite	peg Pegmatitic	Strike and dip of jointing	
dun Dunite	plag Plagioclase	paik Pseudomylonitic	Direction of foliation	
chrom Chromitite	Q Quartz	Serp Serpentine veins	Direction of sheared zone	
PPQ Silica/Calc Silicate PPO Rock	serp Serpentine	mylon Pseudomylonite	Float	
	sil Silica		Subcrop	
	Gn Sp Cp Py Sulphide			
	Zar Zaratite			
	Cr Chromite			

787068

1 2 3 4 SHEET LAYOUT

**METALS EXPLORATION LTD.**

Project HEAZLEWOOD EL 21/85 Tasmania

Title **88-2804**  
FENTONS GRID GEOLOGY

SHEET 2 7794

Scale 1:1000

Author K.M. Office P.H. Date 6/87

Drawn P.H. Date 6/87

Checked P.H. Date 6/87

Appendix 5

APPENDIX 6

001

For Au → Ir. x = < 0.5ppb  
Os = < 2ppb

HEAD OFFICE COPY

FIELD ENTRY  
LAB ENTRY

METALS EXPLORATION LIMITED

CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED, X = BELOW DETECTION LIMIT						
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Au	Pt	Pd	Rh	Ru	Ir	Os
0 m	1 m	1m										
1	2	1m										
2	3	1m	serpentinized dunite	no visib. Cr.	283293	8.0	1.0	3.0	3.5	3.0	2	
3	4		"	1-2% Cr. Some sickensides	94	14.	2.5	4.0	2.5	2.5	2	
4	5		"	< 1% Cr.	95	14	1.0	3.5	2.0	5.0	2.	
5	6		"	" " " "	96	13	2.5	X	2.5	1.5	X	
6	7		Chalcedony serp veins (?) as above less (chalced.) serpentinized? veins. Cr < 1%		97	15	1.5	2.5	3.5	1.5	X	
7	8		serpentinized dunite	~ 20% soft (treated?) material no vis Cr.	98	18	4.5	2.5	4.0	X	X	
8	9		few frags: 20% serp. dun. + treated sandy material.		99	20	5.0	2.5	4.0	1.0	2	
9	10		serp. dun. frags. ~ 20%	" " "	283300	00	3.0	4.5	X	2.0	2	
10	11		" " " " ~ 40%	" " " 60%	01	4.0	3.5	1.5	X	3.5	X	
11	12		" " " 5% argillaceous material + treated material (res.)		02	16	5.5	6.5	1.5	3.5	X	
12	13		serp dun. 5% (1% Cr) less argillaceous.		03	11	6.5	4.5	2.5	1.5	4	
13	14		" " 40% ; argillaceous 10% 50% treated material		04	4.5	X	2.5	X	1.0	X	
14	15		" " 50% (blueish) argillac mat; 50% " "		05	X	4.0	4.5	4.0	0.5	X	
15	16		" " 90 ; chalc. veins > 3% ; < 10% " "		06	12	1.0	0.5	2.0	2.0	X	
16	17		" " 50 ; argill. ~ 10% ; 40% " "		07	5.5	4.0	2.5	1.5	1.0	X	
17	18		" " 100% ; treated mat. trace.		08	4.4	5.5	1.0	3.0	1.0	4	
18	19		" " 60% ; " " 40%		09	5.0	4.5	4.0	3.0	2.0	4	
19	20		" " 60% ; pale green sandy material. 40%		10	4.0	3.5	6.0	4.5	1.5	X	
20	21		" " 5% argillac 15% ; treated + 80%		11	5.0	3.5	2.0	3.0	2.5	X	
21	22		" " 5% gran glassy chalc(?) 10 ; " " 80 argill 5%		12	2.5	2.0	0.5	1.5	0.5	2	
22	23		" " 15% include 10% argill (?) ; malt dunite / serp		13	4.5	5.0	3.5	X	4.0	X	
23	24		" " 5% gn. glassy chalc(?) 80% serp dunite 20 ; treated material 10% ; gn glassy serp (or pale serp?) 10%		14	2.	5.5	3.0	1.0	2.0	2	

MAP, AIR PHOTO OR DRAWING No. \_\_\_\_\_  
 LOGGED BY: N. Rollings MACHINE: 1340 INCLINATION AT COLLAR: -70° BEARING AT COLLAR: 048 MAG. #0010  
 SAMPLE TYPE: P/C FIELD ENTRY BY: CA DATE: 21/5/8

CHECK SAMPLE \_\_\_\_\_  
 LAB. NOTES: \_\_\_\_\_  
 CHEMIST: \_\_\_\_\_ DATE: / /

PROSPECT OR PROJECT: Heazlewood EL 21/85 AREA OR GRID NAME: CAUDRYS  
 LINE No.: \_\_\_\_\_ LOCATION ON LINE OR HOLE NUMBER: C4P1 LOG PAGE 1 OF 2

LAB ENTRY  
FIELD ENTRY

CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED, X=BELOW DETECTION LIMIT						
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Ag	Pt	Pd	Ru	Rh	Ir	Os
24m	25m	1m	Serp.omite 100%	heated material 100%	283315	2	2.5	0.5	5.0	2.0	4.0	2
25	26		" " 10%	" " 70% ; omite (?) 20%	16		1.5	3.0	7.5	1.5	2.5	4
26	27		" " 10%	" " 70%	17		2.0	1.0	11	1.5	1.0	X
27	28		-	" " 80% (possible serp after px?)	18		2.0	3.5	6.5	2.0	1.5	X
28	29		omite 20%		19		3.5	3.0	4.5	1.5	1.5	X
29	30		heated 80%	omite (?) 20	20		2.0	4.5	7.5	1.5	1.0	X
			serp omite 15 ; heated 60 ; omite (?) 25.									
30	31		black + green serpentinite 40	heated material 60	21		1.5	4.0	2.5	1.5	1.0	X
31	32		" " " 10	" " 90	22		X	2.0	6.0	X	2.0	X
32	33		" " 20	" " 80	23		4.0	2.5	7.0	1.5	1.0	X
33	34		" " 30	" " ? 70	24		2.0	6.0	11	2.0	1.5	X
34	35		" " 30	" " 70	25		6.0	4.0	8.0	4.0	1.0	2
35	36		" " 40	" " 60	26		8.5	6.0	4.5	4.0	1.0	2
36	37		" " 40	" " 60	27		6.0	1.5	5.5	2.5	1.5	2
			E.O.H. 37m	possible no heated material? wall rock alteration.								

MAP, AIR PHOTO OR DRAWING No: N Rollings P.O.

MACHINE: B40

INCLINATION AT COLLAR: -7°

BEARING AT COLLAR: 048

MAG./GRID:

CHECK SAMPLE

SAMPLE TYPE: P.O.

FIELD ENTRY BY:

DATE: 21/5/87

LAB NOTES:

787071

CHEMIST:

DATE: / /



PROSPECT OR PROJECT

Heazlewood EL21/85

AREA OR GRID NAME

CAUDRY'S

LINE No:

LOCATION ON LINE OR HOLE NUMBER

CYP1

LOG PAGE 2 OF 2

For Au → Ir, x = < 0.5 ppb  
Os, x = < 2 ppb

FIELD ENTRY  
LAB ENTRY

METALS EXPLORATION LIMITED 003

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT						
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Au	Pt	Pd	Ru	Rh	Ir	Os
0	1m											
1	2											
2	3											
3	4m	1m										
4	5				283328	1.0	5.0	8.0	3.0	x	2	
5	6				29	2	x	9.5	3.0	2.0	2	
6	7				30	0.5	4.5	1.0	3.0	2.0	x	
7	8	wet.			31	1.0	3.0	4.5	2.5	2.0	4	
8	9				32	2.5	2.5	7.0	2.5	1.5	x	
9	10				33	4.0	5.5	14	2	2.0	x	
10	11				34	9.5	8.0	4.0	3.5	3.0	x	
11	12				35	5.5	3	6.5	3.0	1.5	x	
12	13				36	2.0	2.5	8.5	1.5	2.0	x	
13	14				37	1	4	8.5	1.0	2.0	x	
14	15				38	x	2.5	8.5	2.0	2.0	x	
15	16				39	6	4.5	9.5	2.5	2.5	4	
16	17				40	9	0.5	4.5	1.0	2.0	2	
17	18				41	4.5	6.0	13	1.5	4.0	6	
18	19				42	7.0	3.5	11	1.5	2.0	2	
19	20				43	5.0	2.5	6.5	1.5	2.0	4	
20	21				44	7	6	16	1.5	9	4	
21	22				45	5	1	5.5	x	2	x	
22	23				46	5	4	9	2.5	3.0	2	
23	24				47	7	7.5	12	2.0	2.5	4	
24	25				48	2	x	10	1.5	2.5	4	
25	26				49	5	x	12	3.0	1.5	x	
26	27				50	4.0	1.5	8.0	1.0	11	10	
27	28				51	6.5	2.5	7.0	1.0	3.0	x	
					52	5.0	7.0	12	4.0	2.0	x	

AP, AIR PHOTO  
R DRAWING No

LOGGED BY: N. Rollings MACHINE: B40 INCLINATION AT COLLAR: -90° BEARING AT COLLAR: - MAG/GRID: -

SAMPLE TYPE: R.C. etc. FIELD ENTRY BY: [Signature] DATE: 21/5/81

PROSPECT OR PROJECT: Heathwood EL21/85 AREA OR GRID NAME: CAUDRY5

LINE No: C4P2 LOCATION ON LINE OR HOLE NUMBER: [Blank] LOG PAGE 1 OF 2

CHECK SAMPLE

LAB NOTES: 787072 CHEMIST: [Blank] DATE: 1/1

LOG & ANALYTICAL REPORT Sheet No. of A/O

FIELD ENTRY  
LAB ENTRY

004

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METALS EXPLORATION LIMITED

CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT						
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Au	Pt	Pd	Ru	Rh	Ir	Os
28	29		dk gn (blk) serp.	20	283353	5.0	x	9.5	3.5	2.0	4	
29	30		" " "	40	54	5.5	0.5	11	4.0	1.5	x	
30	31		" " "	30	55	12	x	13	2.0	2.5	x	
31	32		" " "	40	56	3.0	2.5	18	2.5	2.0	2	
32	33		" " "	20	57	6.0	1.0	16	2.0	8.5	8	
33	34		" " "	80	58	4.0	x	14	1.0	1.5	2	
34	35		" " "	40	59	1.5	x	2.0	0.5	5.0	6	
35	36		" " "	50	60	3.0	7.0	16	2.0	41	18	
36	37		" " "	50	61	4.0	1.0	3.0	0.5	1.0	x	
37	38		" " "	15	62	3.0	2.0	8.0	1.0	7.5	2	
38	39		" " "	50	63	2.5	3.0	3.0	1.0	2.0	x	
39	40		" " "	70	64	6.5	4.0	5.5	1.0	1.0	x	
40	41		" " "	30	65	2.5	2.5	7.0	1.5	1.5	x	
41	42		" " "	50	66	4.0	2.0	7.0	1.0	2.5	4	
42	43		" " "	80	67	4.5	1.0	5.5	1.0	0.5	2	
43	44		" " "	80	68	4.0	3.0	4.0	1.0	3.0	6	
44	45		" " "	20	69	6.5	6.0	3.0	1.0	5.0	2	
45	46		" " "	80	70	5.0	1.0	5.0	1.0	2.5	2	
46	47		" " "	80	71	3.5	4.5	5.5	1.5	4.0	2	
47	48		steel blue (black)	90	72	6.5	4.5	3.0	1.0	1.5	x	
48	49		more black	80	73	2.5	0.5	3.5	1.5	1.5	2	
49	50		" " "	15	74	2.0	2.5	4.0	1.0	1.0	x	

L.O.H Targetted Depth 50m

AD, AIR PHOTO  
R DRAWING No.

LOGGED BY: *N. Ratings* MACHINE: *Bio* INCLINATION AT COLLAR: *vert* BEARING AT COLLAR: *-* MAG/GRID:

SAMPLE TYPE: *R.C. Perc* FIELD ENTRY BY: DATE: *21/5/87* LAB NOTES: *787073* CHEMIST: DATE: */ /*

PROSPECT OR PROJECT: *EL21/85* AREA OR GRID NAME: *Coudry*

LINE No: LOCATION ON LINE OR HOLE NUMBER: *C4P2* LOG PAGE *2* OF *2*

LOG & ANALYTICAL REPORT Sheet No. of A/O

FIELD ENTRY  
LAB ENTRY

METALS EXPLORATION LIMITED 005

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X=BELOW DETECTION LIMIT								
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		As	Pt	Pcl	Ru	Rh	Ir	Os		
0 m	1 m	1m	weathered material	100% (after serpentinized deplete)	283375		2.0	2.0	4.5	1.0	2.0	2		
1	2		"	100% (with large amount) of "solid" weathered	76		4.5	3.5	1.0	1.0	x	x		
2	3		"	100% serpentine	77		1.5	2.0	8.0	1.0	1.5	2		
3	4		black seep	40% steel blue weathered material	78		5.0	3.5	6.5	2.0	3.5	6		
4	5		"	60% " " " 40%	79		7.5	3.5	6.5	1.5	3.5	4		
5	6		"	70% " " " 30%	80		6.0	1.3	7.5	0.5	2.5	2		
6	7		"	70% gn blue " " 30%	81		1.0	x	7.0	1.5	1.0	x		
7	8		"	10% " " " 90%	82		1.2	7.5	6.5	1.0	3.5	4		
8	9		"	40% (increase in clay) " " 60%	83		1.5	2.0	4.0	0.5	5.5	4		
9	10		"	30% " " " 70%	84		4.5	x	3.0	1.0	8.5	6		
10	11		"	30% " " " 70%	85		4.0	3.0	7.0	1.0	3.0	x		
11	12		"	100% trace of weathering " " trace	86		4.0	2.5	7.5	0.5	8.0	2		
2	13		v. dk gn bk seep	70% " " 30%	87		1.5	0.5	1.2	1.0	1.5	x		
13	14		"	60% " " 40%	88		1.0	4.0	9.0	1.0	2.0	x		
14	15		"	80% " " 20%	89		1.5	x	1.3	1.0	3.5	x		
15	16		"	50% " " 50% less clay	90		2.5	2.0	1.2	1.0	3.5	4		
16	17		dk gn seep?	50% gn sandy weathered 50%	91		5.5	1.5	8.0	1.0	5.5	6		
7	18		"	80% " " 10% minor clay	92		3.5	2.5	1.2	2.0	2.5	4		
18	19		"	10% " " 90% increase clay	93		5.0	3.0	9.0	1.0	2.0	4		
19	20		"	10% gn sandy 90%	94		6.5	7.0	9.0	2.0	2.0	4		
20	21		"	80% (blue near surface) " 20%	95		x	1.0	8.0	1.0	1.0	4		
21	22		"	80% " " 20%	96		3.5	x	9.5	1.0	2.0	4		
22	23		bk seep	50% green sandy weathered 50%	97		2.5	2.0	8.5	1.0	3.0	x		
23	24		"	40% " " (less clay) 60%	98		4.5	3.0	8.5	1.5	7.0	10		
24	25		dk gn seep	40% " " (4 clay) 60%	99		9.0	3.0	1.0	2.0	2.5	2		
25	26		black seep	50% " " 50%	283400		3.5	x	1.6	1.0	4.0	2		
26	27		"	40% " " 60%	401		4.5	5.5	1.2	1.5	4.0	x		
27	28		"	20% " " (increased clay) 80%	402		2.5	3.0	1.3	1.5	0.5	x		
28	29		"	50% " " (less clay) 50%	403		x	x	1.4	1.0	3.5	x		
29	30		"	60% " " 40%	404		5.0	1.5	1.4	1.0	2.5	2		

AIR PHOTO DRAWING NO. **N Rollings**  
 LOGGED BY: **R.C. Peck**  
 MACHINE: **340**  
 INCLINATION AT COLLAR: **-90**  
 BEARING AT COLLAR: **-**  
 MAG/GRID: **-**  
 SAMPLE TYPE: **R.C. Peck**  
 FIELD ENTRY BY: **CAUDRUS**  
 DATE: **22/5/8**  
 PROSPECT OR PROJECT: **Heazlewood**  
 AREA OR GRID NAME: **CAUDRUS**  
 LOCATION ON LINE OR HOLE NUMBER: **24PS**  
 LOG PAGE 1 OF 2

CHECK SAMPLE  
 LAB. NOTES: **787074**  
 CHEMIST: **787074**  
 DATE: **1/1**

FIELD ENTRY  
LAB ENTRY

METALS EXPLORATION LIMITED 605

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED, X= BELOW DETECTION LIMIT							
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		As	P	Pd	Rb	Rh	Ir	Os	
30	31		dk gn/bk exp. (blue shear surface)	60, gn sandy shales? mat. 40	283405	3.0	2.5	9.5	1.5	4.0	X		
31	32		dk gn	30	6	1.0	3.0	8.0	1.0	1.5	X		
32	33		" / bk	40	7	1.0	4.0	6.5	1.0	1.0	X		
33	34		" (blue shear surf)	30	8	2.5	2.5	9.0	1.0	1.5	X		
34	35		"	50	9	1.0	7.0	8.5	1.0	2.0	X		
35	36		"	40	10	X	3.0	9.5	1.0	2.0	X		
36	37		" (fire dips)	30	11	3	2.5	7.5	0.5	1.5	X		
37	38		"	10	12	2.0	2.0	6.5	0.5	1.5	X		
38	39		"	40	13	1.5	3.5	8.0	1.5	2.0	2		
39	40		" (blue shear surf)	30	14	4.5	8.5	6.0	1.0	2.5	2		
40	41		"	30	15	6.5	3.0	8.0	1.0	5.0	2		
41	42		"	30	16	5.5	1.0	3.5	0.5	X	6		
42	43		steel bl bk	30	17	3.0	4.0	18	1.0	2.0	2		
43	44		dk gy/bk	50	18	7.0	6.5	9.5	1.0	3.5	2		
44	45		dk gn	40	19	X	5.5	6.5	X	2.5	X		
45	46		"	60	20	X	6.5	8.0	0.5	5.5	X		
46	47		mar chalc?	50	21	X	5.0	5.5	0.5	1.5	X		
47	48		"	60	22	X	4.0	5.5	X	2.0	X		
48	49		dk gn	60	23	X	3.5	5.0	X	0.5	X		
49	50		"	90	283424	X	1.5	7.5	X	1.0	X		

AP, AIR PHOTO OR DRAWING No. \_\_\_\_\_

LOGGED BY: N. Rollings MACHINE: B410 INCLINATION AT COLLAR: -90 BEARING AT COLLAR: - MAG./GRID: \_\_\_\_\_

SAMPLE TYPE: RC Pic FIELD ENTRY BY: \_\_\_\_\_ DATE: 12/5/8 LAB NOTES: 787075 CHEMIST: \_\_\_\_\_ DATE: 1/1

PROSPECT OR PROJECT: Heazlewood 621/85 AREA OR GRID NAME: EA00415

LINE No: \_\_\_\_\_ LOCATION ON LINE OR HOLE NUMBER: C4P3 LOG PAGE 2 OF 2

**LOG & ANALYTICAL REPORT Sheet No. \_\_\_\_\_ of A/O \_\_\_\_\_**



FIELD ENTRY  
LAB ENTRY

METALS EXPLORATION LIMITED 087

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X= BELOW DETECTION LIMIT								
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Au	Pt	Pd	Ru	Rh	Ir	Os		
0 m	1 m	1 m	Rockfill fill 2'8m											
1	2													
2	3													
3	4		hard sheared serp chips 60,	blue green sandy clay mat 40	283425	2.0	3.5	6.5	x	x	x			
4	5		blk serp 20	pale green " " 80	26	1.0	1.5	4.0	x	1.0	x			
5	6		fl. gn sandy cy shear? mat 100	bk serp (stickled) 30	27	x	3.0	3.5	x	1.0	x			
6	7		(mnr chalc?) " " 40	" " 10	28	x	0.5	6.5	1.0	1.0	x			
7	8		(40% hard chips)	100 " trace	29	3.0	2.0	5.0	1.0	1.0	x			
8	9		" " 45	" " 5	30	1.0	1.5	5.0	0.5	1.0	x			
9	10		v. few hard chips " " 45	blue shear surf " " 5	31	7.5	3.0	3.5	0.5	0.5	x			
10	11		(30% frags) " " 100		32	2.0	2.5	4.5	x	1.0	x			
11	12		(v. fine frags) " " 100	blk serp mnr.	33	1.0	x	6.0	0.5	0.5	x			
12	13		" " 100	chalc? mnr. " " mnr.	34	1.0	5.0	6.5	1.5	1.0	x			
13	14		gn-blu sandy sheared. 100	" " mnr	35	x	0.5	8.0	1.0	0.5	x			
14	15		pale gn (bl) " 70	dark gn serp 30	36	1.0	2.0	7.0	1.0	1.5	x			
15	16		" " " 60	" " " 40	37	0.5	3.5	9.0	1.0	1.0	x			
16	17		" " " 40	" " " 60	38	3.0	4.0	6.5	1.5	x	x			
17	18		" " " 30	" " " 70	39	1.0	2.5	9.0	1.5	1.0	x			
18	19		blue green " " 80	steel blue " " 70	40	x	1.5	9.5	1.0	1.0	x			
19	20		green " " 20	" " + dk gn " 80	41	1.0	1.0	5.5	0.5	x	x			
20	21		pale gn (mnr bl) " " 60	" " " 40	42	x	1.5	3.5	1.5	1.5	x			
21	22		" " " 50	grey " 50	43	1.0	2.0	5.5	0.5	0.5	x			
22	23		dk gn " " 40	" " " 60	44	2.5	2.5	14	1.5	1.0	x			
23	24		bl (gn) " " 70	steel blue (gn) " 30	45	6.0	3.0	4.5	1.5	0.5	x			
24	25		" " " 35	" " " 65	46	1.0	1.0	8.5	1.0	1.0	x			
25	26		" " " 50	dk gn (bl) " 50	47	x	1.0	x	0.5	x	x			
26	27		" " " 45	" " " 5	48	x	2.5	7.0	1.5	1.0	2			
27	28		pale gn (gy) " 40	gy gn " 10	49	1.0	3.0	8.0	0.5	0.5	x			
28	29		" " " 70	" " " 30	50	1.0	4.0	3.5	0.5	0.5	x			
29	30		" " " 70	" " " 30	51	0.5	2.0	2.0	x	x	x			

AD. AIR PHOTO R DRAWING NO

LOGGED BY: N.R. MACHINE: B470 INCLINATION AT COLLAR: -90 BEARING AT COLLAR: MAG/GRID: CHECK SAMPLE

SAMPLE TYPE: RC Perc FIELD ENTRY BY: DATE: 22/58 LAB NOTES: 787076 CHEMIST: DATE: / /

PROSPECT OR PROJECT: Heazlewood. AREA OR GRID NAME: CAWORS

LINE No: LOCATION ON LINE OR HOLE NUMBER: C4P4 LOG PAGE 1 OF 2

LOG & ANALYTICAL REPORT Sheet No. of A/O

FIELD ENTRY  
LAB ENTRY

METALS EXPLORATION LIMITED 008

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X=BELOW DETECTION LIMIT						
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Au	Pt	Pel	Ru	Rh	Ir	Os
30	31m	1m	pale gn. shaled mat.	60, dk gn blk serp. 20	283452		0.5	2.5	4.0	x	0.5	x
31	32		"	40, shd blk + gn " 60	53		x	4.0	3.0	x	x	x
32	33		"	60, " 40	54		x	3.0	4.0	0.5	1.0	x
33	34		"	40, " 60	55		1.0	2.0	6.0	x	0.5	x
34	35		"	50, " 50	56		0.5	5.0	5.0	0.5	2.0	4
35	36		"	70, dk gn (minor gn) 30	57		x	3.5	7.0	0.5	0.5	x
36	37		"	80, " (fina chalc) 20	58		3.0	1.5	8.0	x	1.0	x
37	38		"	70, dk gn + shd blk serp 30	59		2.0	6.5	6.0	1.0	1.5	x
38	39		"	90, " " 10	60		1.0	x	6.5	1.0	2.0	x
39	40		"	40, " " 60	61		1.0	x	8.0	1.0	5.5	4
40	41		"	30, bk (gn) serp 70	62		1.0	2.5	3.5	1.5	1.0	2
41	42		"	80, dk gn " 20	63		2.5	4.5	6.0	x	1.5	2
42	43		"	70, " " 30	64		1.5	0.5	8.0	1.0	1.0	x
43	44		"	80, " " 20	65		1.0	x	7.0	0.5	1.5	2
44	45		"	50, v. dk gn serp 50	66		1.1	x	9.5	0.5	1.0	x
45	46		"	70, " " 30	67		3.5	x	5.0	x	x	x
46	47		dark gn	60, " " 40	68		8.5	2.5	7.5	1.5	2.0	2
47	48		"	60, gy " 40	69		3.5	0.5	12	1.5	1.5	2
48	49		"	50, " " 50	70		5.5	1.5	5.0	0.5	1.0	2
49	50		pale grey	90, " " 10	71		x	1.0	8.0	1.0	0.5	2

AIR PHOTO DRAWING No. \_\_\_\_\_  
 DRAUGHTSMAN: N. Rollings  
 MACHINE: B540  
 INCLINATION AT COLLAR: Vert.  
 BEARING AT COLLAR: \_\_\_\_\_  
 MAG. GRID: \_\_\_\_\_  
 FIELD ENTRY BY: \_\_\_\_\_  
 DATE: 22/5/85  
 LAB. NOTES: 787077  
 CHEMIST: \_\_\_\_\_  
 DATE: / /  
 PROJECT: HEAZLEWOOD EL4/85  
 AREA OR GRID NAME: CAWOKYS  
 LOCATION ON LINE OR HOLE NUMBER: C4PH  
 LOG PAGE 2 OF 2  
 LOG & ANALYTICAL REPORT Sheet No. of A/O

FIELD ENTRY  
LAB. ENTRY

METALS EXPLORATION LIMITED 009

For Pt-Ir < 0.5 ppb  
Os < 2

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X= BELOW DETECTION LIMIT							
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Ag	Pt	Pd	Ru	Rh	Ir	Os	Σ
6.3mN		1.5m	sheared but still "hard" serpentised dunite (taken from wall)		312509	2	4.0	17	6.0	1.0	4.5	6	38.5
6.3mN		2m	Soft sheared (serpentine?) bl. gn in colour.		312510	10	5.5	X	12	3.0	1.0	2	23.5
19.7mN		1.5m	Soft sheared material as for 312510		312511	<2	7.0	4.0	8.5	2.0	19	14	54.5
30.6mN		1.5m	Soft sheared material (after exp)		312512	<2	6.5	X	5.5	1.0	6.0	6	25.0
40.9mN		1.0m	Soft sheared material		312513	<2	5.5	1.5	10	3.0	2.5	2	24.5
50.3mN		1.1m	Sheared serpentinite showing slickensides		312514	<2	5.5	X	12	2.0	7.5	6	33.0
61.5mN		0.40m	Soft sheared mat. taken on SW side of trench workings		312515	4	8.0	3.5	8.5	2.0	0.5	X	22.5
64.0mN		1.20m	Soft sheared material on NE side of trench workings		312516	<2	2.0	X	2.0	1.0	1.0	X	6.0
0.00mN		1.50m	Soft sheared material from facing wall at other end.		312517	2	1.5	X	10	1.5	4.5	4	21.5
												X	21.7

AIR PHOTO DRAWING No. \_\_\_\_\_  
 DRAUGHTSMAN: W. Rollings MACHINE: \_\_\_\_\_ INCLINATION AT COLLAR: \_\_\_\_\_ BEARING AT COLLAR: \_\_\_\_\_ MAG / GRID: \_\_\_\_\_  
 SAMPLE TYPE: Channel FIELD ENTRY BY: \_\_\_\_\_ DATE: 26/5/87 LAB NOTES: 787078 CHEMIST: \_\_\_\_\_ DATE: / /  
 PROSPECT OR PROJECT: Henze wood AREA OR GRID NAME: Caudry's  
 LINE No: \_\_\_\_\_ LOCATION ON LINE OR HOLE NUMBER: \_\_\_\_\_ LOG PAGE 1 OF 1  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**

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APPENDIX 7

FIELD ENTRY  
LAB ENTRY

METALS EXPLORATION LIMITED 071

0s; x = < 2 ppb

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT									
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pb	Cu	Zn	Ir	OS				
0	0.05m		peat												
0.05	0.2m		rd br sandy clayed decomposed pyroxene frags of pyrox.		32793	5.0	x	3.0	1.0	1.0	x				
0.2m			e.a.h.												

AP, AIR PHOTO OR DRAWING No:   
 LOGGED BY: *BIO* MACHINE: *auger* INCLINATION AT COLLAR: *vert* BEARING AT COLLAR: *—* MAG/GRID:   
 SAMPLE TYPE: *alluvial* FIELD ENTRY BY: DATE: *1/8/87* LAB NOTES: **787080** CHEMIST: DATE: / /   
 PROSPECT OR PROJECT: *hoagwood* AREA OR GRID NAME: *purcells* LOCATION ON LINE OR HOLE NUMBER: *850mE* LOG PAGE *1* OF *1*   
**LOG & ANALYTICAL REPORT Sheet No. of A/O**



FIELD ENTRY  
LAB. ENTRY

072

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X= BELOW DETECTION LIMIT						
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pd	Ru	Rh	Ir	Os	
0	0.1m		peat									
0.1	0.3m		gn-bn frags. clayey calcamp. pyrox.		32792	3.5	x	3.5	1.0	1.0	x	

DRUGGED BY: *B.W.* MACHINE: *auger* INCLINATION AT COLLAR: *vert* BEARING AT COLLAR: \_\_\_\_\_ MAG / GRID: \_\_\_\_\_  
 SAMPLE TYPE: *alluvial* FIELD ENTRY BY: \_\_\_\_\_ DATE: *587*

CHECK SAMPLE: \_\_\_\_\_ LAB NOTES: *787081* CHEMIST: \_\_\_\_\_ DATE: */ /*

PROSPECT OR PROJECT: *heazlewood* AREA OR GRID NAME: *pvc cells*  
 LINE No: *1* LOCATION ON LINE OR HOLE NUMBER: *800m E* LOG PAGE *1* of *1*

FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X=BELOW DETECTION LIMIT						
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pcl	K <sub>2</sub> O	Rh	tr	Os	
0	0.1m		sect									
0.1	0.3m		gn br clayey decomp pyrox. frags of pyrox		312797	4.0	X	2.0	1.0	1.0	X	
0.3m			e.o.k.									

AP, AIR PHOTO OR DRAWING No. \_\_\_\_\_

LOGGED BY: B.D. MACHINE: auger INCLINATION AT COLLAR: vert BEARING AT COLLAR: \_\_\_\_\_ MAG./GRID: \_\_\_\_\_

SAMPLE TYPE: alluvial FIELD ENTRY BY: \_\_\_\_\_ DATE: 5/81 LAB NOTES: 787082 CHEMIST: \_\_\_\_\_ DATE: / /

PROSPECT OR PROJECT: HEAZLEWOOD AREA OR GRID NAME: picell's 870mE LOCATION ON LINE OR HOLE NUMBER: 1 LOG PAGE: 1 of 1

**LOG & ANALYTICAL REPORT Sheet No. of A/O**

FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X = BELOW DETECTION LIMIT								
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pd	Ru	Rh	Ir	Os			
0	0.1m		PEAT											
0.1	0.4		gn. bn clayey decomposed pyroxenite fragments of pyroxenite		312790	4.0	2.0	3.5	1.0	1.0	X			
0.4m			e.o.h.											

AP. AIR PHOTO DRAWING No. **BD**

LOGGED BY: **alger** MACHINE: **alger** INCLINATION AT COLLAR: **90** BEARING AT COLLAR: **-** MAG./GRID

SAMPLE TYPE: **alluvial** FIELD ENTRY BY: **alger** DATE: **1/88**

PROSPECT OR PROJECT: **heazlewood** AREA OR GRID NAME: **pyrocl**

LINE No: **1** LOCATION ON LINE OR HOLE NUMBER: **880m E** LOG PAGE **1** OF **1**

CHECK SAMPLE

LAB. NOTES: **787083** CHEMIST: DATE: **1/1**

**LOG & ANALYTICAL REPORT** Sheet No. **787083** of **A/O**





FIELD ENTRY  
LAB. ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT						T PROD. NO.
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pd	Ru	Rh	Ir	Os	
0.0	0.1m		PEAT									
0.4	0.5		gn br clayey dec pyroxenite.		312787	20	2.0	63	3.5	370	490	
0.5m			e.o.h.									

P. AIR PHOTO DRAWING No. \_\_\_\_\_  
 LOGGED BY: B.D. MACHINE: auger INCLINATION AT COLLAR: vert BEARING AT COLLAR: - MAG./GRD: \_\_\_\_\_  
 SAMPLE TYPE: alluvial FIELD ENTRY BY: \_\_\_\_\_ DATE: 5/87 CHECK SAMPLE: \_\_\_\_\_  
 PROSPECT OR PROJECT: heazlewood AREA OR GRID NAME: porcolls LAB NOTES: 787086 CHEMIST: \_\_\_\_\_ DATE: / /  
 LINE No: 1 LOCATION ON LINE OR HOLE NUMBER: 910mE LOG PAGE 1 OF 1 LOG & ANALYTICAL REPORT Sheet No. \_\_\_\_\_ of A/O \_\_\_\_\_



FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT								
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pel	Ru	Rh	Ir	Os			
0-	0.1m		peat.											
0.1	0.3m		gn bn clayey decomposed pyroxenite		312785	4.0	0.5	2.5	1.0	0.5	X			

AIR PHOTO DRAWING No: \_\_\_\_\_  
 LOGGED BY: *B.D.* MACHINE: *auger* INCLINATION AT COLLAR: *vert* BEARING AT COLLAR: \_\_\_\_\_ MAG / GRID: \_\_\_\_\_  
 SAMPLE TYPE: *alluvial* FIELD ENTRY BY: \_\_\_\_\_ DATE: *1987*

CHECK SAMPLE: \_\_\_\_\_  
 LAB NOTES: *787088* CHEMIST: \_\_\_\_\_ DATE: */ /*

PROSPECT OR PROJECT: *Heazlewood* AREA OR GRID NAME: *purcells*  
 LINE No: *1* LOCATION ON LINE OR HOLE NUMBER: *930m E* LOG PAGE *1* OF *1*

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED, X=BELOW DETECTION LIMIT						T (Pb/Cd) No.
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pel	Ru	Rh	Ir	Os	
0	0.1m		PEAT									
0.1	0.6		gn bn clayey decamp. pyroxenite fragments of pyroxenite.		312784	4.5	<del>2.0</del>	3.0	1.0	1.0	X	
0.6m			e.o.h.									

AP. AIR PHOTO R DRAWING No. \_\_\_\_\_

LOGGED BY: B.D MACHINE: auger INCLINATION AT COLLAR: vert BEARING AT COLLAR: \_\_\_\_\_ MAG./GRID: \_\_\_\_\_

SAMPLE TYPE: alluvial FIELD ENTRY BY: \_\_\_\_\_ DATE: 1/81 CHECK SAMPLE: \_\_\_\_\_

PROSPECT OR PROJECT: heazlewood AREA OR GRID NAME: RUSSELL'S LAB NOTES: 787089 CHEMIST: \_\_\_\_\_ DATE: / /

LINE No: 1 LOCATION ON LINE OR HOLE NUMBER: 940m E LOG PAGE 1 OF 1

**LOG & ANALYTICAL REPORT Sheet No. of A/O**



FIELD ENTRY  
LAB. ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT									
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pcl	Ru	Rh	Ir	Os				
0	0.1m		PEAT												
0.1	0.5		Bn Cy (humic material)		312785										
0.5	0.7		Rd Bn clayey decomposed pyroxenite												
0.7	1.3m		gn. bn " " " + fragments of pyroxenite			4.0	1.5	2.5	1.0	X	X				
1.3m			e.o.h.												

\*P. AIR PHOTO OR DRAWING No.

LOGGED BY: *B.O.* MACHINE: *auger* INCLINATION AT COLLAR: *vert.* BEARING AT COLLAR: *—* MAG./GRID

SAMPLE TYPE: *alluvial* FIELD ENTRY BY: DATE: *1/5/81*

PROSPECT OR PROJECT: *HEAZLEWOOD* AREA OR GRID NAME: *PURCELL'S*

LINE No.: *1* LOCATION ON LINE OR HOLE NUMBER: *950m E* LOG PAGE *1* OF *1*

CHECK SAMPLE

LAB. NOTES: *787090* CHEMIST: DATE: */ /*



FIELD ENTRY  
LAB. ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X - BELOW DETECTION LIMIT					
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pci	Ru	Rh	Ir	Os
			rock chip sample. pyroxenite.	no pit workings. in old workings - trench.	312781	4.5	3.0	2.0	1.0	X	X

AIR PHOTO DRAWING No. \_\_\_\_\_  
 DATED BY: BD MACHINE: auger INCLINATION AT COLLAR: vert BEARING AT COLLAR: \_\_\_\_\_ MAG./GRM: \_\_\_\_\_  
 SAMPLE TYPE: alluvial FIELD ENTRY BY: \_\_\_\_\_ DATE: 1987  
 PROSPECT OR PROJECT: HEAZLEWOOD AREA OR GRID NAME: PERKINS  
 LINE No: 1 LOCATION ON LINE OR HOLE NUMBER: 970m E LOG PAGE: 1 OF 1

CHECK SAMPLE \_\_\_\_\_  
 LAB. NOTES: \_\_\_\_\_  
 CHEMIST: \_\_\_\_\_ DATE: 787092 / /

FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X = BELOW DETECTION LIMIT								
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pcl	Ru	Rh	Ir	Os			
0	0.2m		PEAT											
02	0.5		Bn clay decomp pyrox. frag pyrox.		312180	3.5	2.5	2.5	1.5	0.5	X			
05	0.7		rd bn sandy decomp pyrox											
07			e.o.h.											

DRAWING No. \_\_\_\_\_  
 LOGGED BY: B.D.      MACHINE: auger      INCLINATION AT COLLAR: vert      BEARING AT COLLAR: \_\_\_\_\_      MAG/GMTD: \_\_\_\_\_  
 SAMPLE TYPE: alluvial      FIELD ENTRY BY: \_\_\_\_\_      DATE: 1/5/87

CHECK SAMPLE: \_\_\_\_\_  
 LAB. NOTES: 787093      CHEMIST: \_\_\_\_\_      DATE: 1/1

PROSPECT OR PROJECT: HEAZLEWOOD      AREA OR GRID NAME: PURCELLS  
 LINE No: 1      LOCATION ON LINE OR HOLE NUMBER: 980mE      LOG PAGE 1 OF 1

FIELD ENTRY  
LAB ENTRY

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005

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT								
FROM	TO M		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pel	Ru	Rh	Ir	Os			
0	0.1		PEAT											
0.1m	0.5		Brown clayey decomposed pyroxenite + few spots chromite fragments of pyroxenite.		312779	4.5	2.0	2.5	1.0	0.5	X			
					Dup.	4.0	1.5	3.5	1.0	0.5	X			
0.5	1		Dark brown clayey decomposed pyroxenite.											
1m			e.o.h.											

AIR PHOTO OR DRAWING No: *B.D.*  
 OGGED BY: *B.D.* MACHINE: *auger* INCLINATION AT COLLAR: *90* BEARING AT COLLAR: *-* MAG./GRID: *-*  
 SAMPLE TYPE: *alluvial* FIELD ENTRY BY: \_\_\_\_\_ DATE: *1/8/77* LAB. NOTES: *787094* CHEMIST: \_\_\_\_\_ DATE: */ /*  
 PROSPECT OR PROJECT: *HEAZLEWOOD* AREA OR GRID NAME: *ARCCELLS*  
 LINE No: *1* LOCATION ON LINE OR HOLE NUMBER: *990E* LOG PAGE *1* OF *1*  
**LOG & ANALYTICAL REPORT Sheet No. *1* of A/O**



FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE FROM TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT									
		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pd	Ru	Rh	Ir	Os				
0	0.2m	PEAT + roots												
0.2	0.3	light brown sandy clay, decomposed pyroxenite		312718	5.0	2.5	2.5	1.5	X	2				
0.3	0.5	red brown clayey decomposed pyroxenite, fragments of pyroxenite.												
0.5		e.o.h.												

AIR PHOTO DRAWING No. \_\_\_\_\_  
 LOGGED BY: B.D. MACHINE: auger INCLINATION AT COLLAR: vert BEARING AT COLLAR: - MAG./BRID: \_\_\_\_\_  
 SAMPLE TYPE: alluvial FIELD ENTRY BY: \_\_\_\_\_ DATE: 15/8 LAB NOTES: 787095 CHEMIST: \_\_\_\_\_ DATE: / /  
 PROSPECT OR PROJECT: HEAZLEWOOD AREA OR GRID NAME: AURCELL'S  
 LINE No: 1 LOCATION ON LINE OR HOLE NUMBER: 1000 E LOG PAGE: 1 of 1  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**



FIELD ENTRY  
LAB ENTRY

METALS EXPLORATION LIMITED 008

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT						T No. P.P.M.C.
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pd	Ru	Rh	Ir	Os	
0	0.1m		sandy gravel	large fragments of pyroxenite + platy pieces of chertony	32776	5.0	1.0	2.0	0.5	1.0	X	
0.1m			e.o.h.									

AP, AIR PHOTO OR DRAWING No. \_\_\_\_\_

LOGGED BY: *BD* MACHINE: *auger* INCLINATION AT COLLAR: *vert* BEARING AT COLLAR: *-* MAG/GRID: \_\_\_\_\_

SAMPLE TYPE: *alluvial* FIELD ENTRY BY: \_\_\_\_\_ DATE: *1/56* CHECK SAMPLE: \_\_\_\_\_

PROSPECT OR PROJECT: *heazlewood* AREA OR GRID NAME: *pitcell's 1020E* LAB NOTES: *787097* CHEMIST: \_\_\_\_\_ DATE: */ /*

LINE No: *1* LOCATION ON LINE OR HOLE NUMBER: \_\_\_\_\_ LOG PAGE *1 of 1*

**LOG & ANALYTICAL REPORT Sheet No. of A/O**

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009

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT													
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pd	Ru	Rh	Ir	Os								
0	0.1		PEAT																
0.1	0.3		red brown decomposed PYROXENITE fragments of pyroxene		312775	3.0	1.0	4.5	1.5	1.5	X								
0.3			e.o.h.																

AP, AIR PHOTO OR DRAWING No: *B.D.*

LOGGED BY: *B.D.* MACHINE: *auger* INCLINATION AT COLLAR: *90°* BEARING AT COLLAR: *-* MAG./GRID: *-*

SAMPLE TYPE: *alluvial* FIELD ENTRY BY: *purcell's* DATE: *5/8*

PROSPECT OR PROJECT: *heazlewood* AREA OR GRID NAME: *1030E* LOCATION ON LINE OR HOLE NUMBER: *1030E* LOG PAGE: *1/1*

CHECK SAMPLE

LAB NOTES: *787098* CHEMIST: *787098* DATE: */ /*

LOG & ANALYTICAL REPORT Sheet No. *787098* of *A/O*

FIELD ENTRY  
LAB ENTRY

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030

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X-BELOW DETECTION LIMIT						TUBE No
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Fe	Pb	Cu	Zn	Mn	OS	
0	0.05		PEAT									
0.05	0.3		green brown decomposed pyroxene fragments of chalcidone + minor		312714	2.5	1.5	8.0	1.0	2.0	2	
0.3			e.o.h.									

MAP, AIR PHOTO OR DRAWING No: *50*

LOGGED BY: \_\_\_\_\_ MACHINE: *auger* INCLINATION AT COLLAR: *90* BEARING AT COLLAR: \_\_\_\_\_ MAG./GRID: \_\_\_\_\_

SAMPLE TYPE: *alluvial* FIELD ENTRY BY: \_\_\_\_\_ DATE: *15/87* LAB. NOTES: *787099* CHEMIST: \_\_\_\_\_ DATE: */ /*

PROSPECT OR PROJECT: *heazlewood* AREA OR GRID NAME: *purcells* LOCATION ON LINE OR HOLE NUMBER: *1040E* LOG PAGE: *1 OF 1*

LOG & ANALYTICAL REPORT Sheet No. *1* of *A/0*

FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X = BELOW DETECTION LIMIT					
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pb	Cu	Zn	Fe	OS
0	0.2m		Peat + sandy gravel made up of chert nodules + pyroclastics.		312773	6.0	2.5	4.0	1.0	2.0	2
0.2			eoh.								

AP AIR PHOTO OR DRAWING No. \_\_\_\_\_

LOGGED BY: B.D. MACHINE: auger INCLINATION AT COLLAR: 90 BEARING AT COLLAR: \_\_\_\_\_ MAG./GRD: \_\_\_\_\_

SAMPLE TYPE: alluvial FIELD ENTRY BY: \_\_\_\_\_ DATE: 1/57

CHECK SAMPLE: \_\_\_\_\_ LAB NOTES: 787100 CHEMIST: \_\_\_\_\_ DATE: / /

PROSPECT OR PROJECT: heazlewood AREA OR GRID NAME: purcells

LINE No: 1 LOCATION ON LINE OR HOLE NUMBER: 1050E LOG PAGE 1 OF 1

FIELD ENTRY  
LAB. ENTRY

METALS EXPLORATION LIMITED 632

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT							
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pb	Ru	Rh	Ir	Os		
0	0.1m		PEBT										
0.1	0.3		Brown clayed decomposed pyroxenite fragments (5mm) of pyroxenite.		31272	6.0	2.0	5.0	1.5	4.5	2		
0.3m			E.O.H.										

AIR PHOTO OR DRAWING No. \_\_\_\_\_  
 LOGGED BY: B.D. MACHINE: auger INCLINATION AT COLLAR: 90' BEARING AT COLLAR: \_\_\_\_\_ MAG. GRID: \_\_\_\_\_  
 SAMPLE TYPE: alluvial FIELD ENTRY BY: \_\_\_\_\_ DATE: 1/5/87  
 PROSPECT OR PROJECT: heglenwood AREA OR GRID NAME: parcel 1060E  
 LINE No: 10 LOCATION ON LINE OR HOLE NUMBER: \_\_\_\_\_ LOG PAGE: 1 of 1

CHECK SAMPLE: \_\_\_\_\_  
 LAB NOTES: \_\_\_\_\_ CHEMIST: \_\_\_\_\_ DATE: 1 / 1  
**787101**  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**



FIELD ENTRY  
LAB. ENTRY

METALS EXPLORATION LIMITED

003

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT						T.C. No.
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pd	Cu	Rh	Ir	Os	
0	0.1m		PEAT									
0.1	1m		Brown clayey decomposed PYROXENITE, fragments of pyroxenite.		312768	4.5	2.0	3.5	1.5	1.5	X	
1m			E.O.H. Basement									

A.P. AIR PHOTO DRAWING No. \_\_\_\_\_  
 LOGGED BY: **B.D.** MACHINE: **AUGER** INCLINATION AT COLLAR: **vert** BEARING AT COLLAR: \_\_\_\_\_ MAG./GRID: \_\_\_\_\_  
 SAMPLE TYPE: **Alluvial** FIELD ENTRY BY: \_\_\_\_\_ DATE: **15/87** CHECK SAMPLE: \_\_\_\_\_  
 LAB. NOTES: **787102** CHEMIST: \_\_\_\_\_ DATE: / /

PROSPECT OR PROJECT: **Heazlewood** AREA OR GRID NAME: **BALD HILL - PURCELLS**  
 LINE No: **1** LOCATION ON LINE OR HOLE NUMBER: **1070E** LOG PAGE 1 OF 1

FIELD ENTRY  
LAB ENTRY

004

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT								
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pb	Ru	Zn	Cr	Cu			
0	0.1m		REST.											
0.1	1m		Brown clayey decomposed fragments of pyroxenite.	pyroxenite.	312169 DUP	11	2.5	5.0	1.0	1.0	7			
1m			E.O.H. BASEMENT			10	1.0	3.0	1.5	1.5	2			

AP, AIR PHOTO  
DRAWING No.

LOGGED BY: **BD**

MACHINE: **AUGER**

INCLINATION AT COLLAR: **vert**

BEARING AT COLLAR:

MAG/GRID:

SAMPLE TYPE: **Alluvial**

FIELD ENTRY BY:

DATE: **5/81**

PROSPECT OR PROJECT: **HAZZLEWOOD**

AREA OR GRID NAME: **PURFELL'S**

LINE No: **1**

LOCATION ON LINE OR HOLE NUMBER: **1080E**

LOG PAGE **1** OF **1**

CHECK SAMPLE

LAB. NOTES: **787103**

CHEMIST:

DATE: **/ /**

FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT						
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pel	Ru	Rh	Ir	Os	
0	0.1m		PEAT									
0.1	0.3m		Brown clayey decomposed large fragments of	PYROXENITE. pyroxenite.	78770	4.5	1.5	3.0	1.0	14	16	
0.3			E.O.H. BASINENT									

T  
P.M.C.  
No

AIR PHOTO DRAWING No: \_\_\_\_\_  
 DRAUGHTSMAN: B.D.  
 MACHINE: SUGAR  
 INCLINATION AT COLLAR: VERT.  
 BEARING AT COLLAR: \_\_\_\_\_  
 MAG/GRID: \_\_\_\_\_  
 SAMPLE TYPE: Alluvial  
 FIELD ENTRY BY: \_\_\_\_\_  
 DATE: 6/87  
 PROSPECT OR PROJECT: HEAZLEWOOD  
 AREA OR GRID NAME: PURCELL'S  
 LOCATION ON LINE: 100

CHECK SAMPLE: \_\_\_\_\_  
 LAB. NOTES: 787104  
 CHEMIST: \_\_\_\_\_  
 DATE: / /  
 LOG & ANALYTICAL REPORT Sheet No. of 1/0



FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT					
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pci	Ru	Rh	Li	DS
0	03		Dark Brown Organic-rich CLAY	minor peat.	32746	2.5	2.0	4.0	1.0	0.5	x
0.3	06		Dark Brown	decomposed ultrabasics							
0.6	1.2		Dark Green-Grey	decomposed Serpentine	32747	4.0	1.0	3.5	x	x	x
1.2			Basement	E.O.H.							

AP AIR PHOTO OR DRAWING No. \_\_\_\_\_

LOGGED BY: K.M. MACHINE: ALICE INCLINATION AT COLLAR: left BEARING AT COLLAR: - MAG-GRID: \_\_\_\_\_

SAMPLE TYPE: Atterberg FIELD ENTRY BY: \_\_\_\_\_ DATE: 1/587 CHECK SAMPLE: \_\_\_\_\_

PROSPECT OR PROJECT: HEAZLEWOOD AREA OR GRID NAME: BALD HILL - PURCELL'S LAB. NOTES: 787106 CHEMIST: \_\_\_\_\_ DATE: / /

LINE No: 2 LOCATION ON LINE OR HOLE NUMBER: 8/CE LOG PAGE 1 OF 1

**LOG & ANALYTICAL REPORT Sheet No. of A/O**

FIELD ENTRY  
LAB ENTRY

METALS EXPLORATION LIMITED 008

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT						
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	PH	RO	RH	Ir	OS	
0	0.1m	0.1m	Dark Brown Clay peat		3/2145							
0.1	0.2	0.1m	Yellow Brown Crinoid Clay			2.5	1.5	4.0	0.5	0.5	X	
0.2	0.3		Grey Yellow Pyroxene sand.									
0.3			Basement E.O.H.									

AIR PHOTO DRAWING No. \_\_\_\_\_  
 LOGGED BY: KW MACHINE: ALGER INCLINATION AT COLLAR: 0° BEARING AT COLLAR: \_\_\_\_\_ MAG./GRID: \_\_\_\_\_  
 SAMPLE TYPE: Alluvial FIELD ENTRY BY: \_\_\_\_\_ DATE: 15/8 LAB NOTES: \_\_\_\_\_  
 PROSPECT OR PROJECT: HAZLEWOOD AREA OR GRID NAME: PURCELL'S - BALD HILL CHEMIST: \_\_\_\_\_ DATE: / /  
 LINE No: 2 LOCATION ON LINE OR HOLE NUMBER: 820E LOG PAGE 1 OF 1  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**











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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT					
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pd	Ru	Rh	Ir	Os
0m	0m		Green + Brown clayey decomposed. PYROXENITE.		312739	7.5	1.5	2.0	2.5	x	x
			frag. of pyroxenite, chalcidony		QWP	4.0	1.0	1.5	2.0	x	x
			E.O.H. = 0m. Barren in MINE.								

AIR PHOTO DRAWING No. \_\_\_\_\_  
 LOGGED BY: **KM** MACHINE: **ALGER** INCLINATION AT COLLAR: **90** BEARING AT COLLAR: **--** MAG/GRID: \_\_\_\_\_  
 SAMPLE TYPE: **Alluvial** FIELD ENTRY BY: \_\_\_\_\_ DATE: **1/5/8**  
 PROSPECT OR PROJECT: **HEAZLEWOOD** AREA OR GRID NAME: **BALD HILL - PURCELLS**  
 LINE No: **2** LOCATION ON LINE OR HOLE NUMBER: **880 E** LOG PAGE **1** of **1**

CHECK SAMPLE \_\_\_\_\_  
 LAB NOTES: **787113** CHEMIST: \_\_\_\_\_ DATE: **/ /**  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**



FIELD ENTRY  
LAB ENTRY

# METALS EXPLORATION LIMITED 106

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CO-ORDINATE METRES		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT								
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pci	Pu	Rh	ir	Os			
0	0.2		DARK BROWN CLAY & ORGANICS											
0.2	0.5		BROWN CLAY & DECOMPOSED PYROXENITE		7312737	35	1.0	5.0	1.0	0.5	2			
0.5			BASEMENT EOH.											

DRAWING No.		MACHINE: <b>AUGER</b>		INCLINATION AT COLLAR: <b>90°</b>		BEARING AT COLLAR:		MAG/GRID:		CHECK SAMPLE:	
DRAWN BY: <b>K.M.</b>		FIELD ENTRY BY:		DATE: <b>6/15/87</b>		LAB. NOTES: <b>787115</b>		CHEMIST:		DATE: / /	
SAMPLE TYPE: <b>ALLUVIAL</b>		PROSPECT OR PROJECT: <b>HEAZLEWOOD TAS</b>		AREA OR GRID NAME: <b>BAAD HILL - PURCELLS</b>		LINE No: <b>LINE 2</b>		LOCATION ON LINE OR HOLE NUMBER: <b>900E</b>		LOG PAGE 1 OF 1	

FIELD ENTRY  
LAB ENTRY

METALS EXPLORATION LIMITED 107

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LINE	CO-ORDINATE METRES		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED, X-BELOW DETECTION LIMIT						TUBES No.
	FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		PE	PH	RO	Rb	RA	OS	
1	0	0.4		BROWN ORGANIC RICH GRITTY CLAY		312735	3.5	1.0	2.5	1.0	0.5	X	
2	0.4	0.9		BROWN, GREY-GREEN, PYROXENE-RICH CLAYEY MUD- ENITE		312736	4.0	1.0	2.0	X	X	X	
3		0.9		BASEMENT	EOH.								

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY **K. MORRISON**

MACHINE **AMBER**

INCLINATION AT COLLAR **90°**

BEARING AT COLLAR

MAG./GRID

SAMPLE TYPE **ALLUVIAL**

FIELD ENTRY BY

DATE **4/15/87**

CHECK SAMPLE

LAB. NOTES:

**787116**

CHEMIST

DATE / /



PROSPECT OR PROJECT **HEAZLEWOOD TAS.**

AREA OR GRID NAME **BALD HILL - PURCELLS**

LINE No. **LINE 2**

LOCATION ON LINE OR HOLE NUMBER **910E**

LOG PAGE 1 OF 1

LOG & ANALYTICAL REPORT Sheet No. of A/O

FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE METRES		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X= BELOW DETECTION LIMIT					
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pd	Ru	Rh	Ir	Os
0	0.5		RED-BROWN	ORGANIC-RICH FATTY CLAY	312733	5.0	2.5	2.5	1.5	1.0	X
0.5	1.1		GREY GREEN	PIROXENE-RICH, CLAYEY, DECOMPOSED	312734	4.0	2.0	3.5	1.0	0.5	2
1.1			PIROXENITE								
			BASEMENT	EGH							

AIR PHOTO DRAWING No. \_\_\_\_\_  
 LOGGED BY **K. MORRISON** MACHINE: **AUGER** INCLINATION AT COLLAR **90°** BEARING AT COLLAR \_\_\_\_\_ MAG / GRID \_\_\_\_\_  
 SAMPLE TYPE: **ALLUVIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **4/5/87**  
 PROSPECT OR PROJECT: **HEAZLEWOOD TMS.** AREA OR GRID NAME: **BALD HILL - PORCELLS**  
 LINE No: **LINE 2** LOCATION ON LINE OR HOLE NUMBER: **920E**

CHECK SAMPLE \_\_\_\_\_  
 LAB. NOTES: **787117** CHEMIST: \_\_\_\_\_ DATE: **/ /**  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**



LAB ENTRY  
FIELD ENTRY

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CO-ORDINATE FROM TO METERS	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT					
		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pcl	Rc	Rh	Ir	Os
0 - 0.2		RED-BROWN, ORGANIC-RICH, GRITTY CLAY.		312732	55	1.5	2.5	0.5	x	x
0.2 - 0.4		BROWN-GREEN CLAYEY DECOMPOSED PIROXENITE								
0.4		BASEMENT	ES11							

\*P, AIR PHOTO  
 R DRAWING No.

LOGGED BY: K. MORRISON MACHINE: AUER INCLINATION AT COLLAR: 90° BEARING AT COLLAR: \_\_\_\_\_ MAG/GRID: \_\_\_\_\_

SAMPLE TYPE: ALLUVIAL FIELD ENTRY BY: \_\_\_\_\_ DATE: 4/5/87

CHECK SAMPLE: \_\_\_\_\_ LAB NOTES: \_\_\_\_\_ CHEMIST: \_\_\_\_\_ DATE: / /

PROSPECT OR PROJECT: HEAZLEWOOD TAS AREA OR GRID NAME: BALD HILL PORCELLS

LINE No: LINE 2 LOCATION ON LINE OR HOLE NUMBER: 430 E LOG PAGE 1 OF 1

**787118**  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**

FIELD ENTRY  
LAB. ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X= BELOW DETECTION LIMIT							
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pt	Ru	Rh	Ir	Os		
0	0.2		PEAT ± BWN SANDY CLAY		312731								
0.2	0.4		DARK BWN SANDY CLAY			3.0	1.0	2.0	0.5	0.5	X		
0.4	0.6		RED BWN SANDY GRAVEL										
0.6			BASEMENT ULTRAMAFIC E.O.H.										

AP, AIR PHOTO DRAWING No. \_\_\_\_\_

LOGGED BY: **B. PARKER** MACHINE: **AUGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: \_\_\_\_\_ MAG./GRID: \_\_\_\_\_

SAMPLE TYPE: **ALLUVIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **30/4/87**

PROSPECT OR PROJECT: **HAERELWOOD TR. 5** AREA OR GRID NAME: **BRAD HILL**

LINE No.: **LINE 2** LOCATION ON LINE OR HOLE NUMBER: **940E** LOG PAGE **1** OF **1**

CHECK SAMPLE \_\_\_\_\_

LAB NOTES: \_\_\_\_\_

CHEMIST: \_\_\_\_\_ DATE: / /

**787119**

**LOG & ANALYTICAL REPORT Sheet No. of A/O**



FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X=BELOW DETECTION LIMIT							
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pcl	R <sub>G</sub>	R <sub>H</sub>	Ir	Os		
0	0.1		PEAT		312730								
0.1	0.4		GRY BWN SANDY CLAY			3.0	1.0	1.0	1.0	0.5	x		
0.4	0.6		GRN BWN SANDY CLAY, 2000 ULTRAMAFICS										
0.6			BASSEMENT ULTRAMAFIC E.D.H.										

AP, AIR PHOTO DRAWING No. \_\_\_\_\_

LOGGED BY: **B. DARKE** MACHINE: **AUGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: **-** MAG./GRID: \_\_\_\_\_

SAMPLE TYPE: **MINIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **30/1/82** LAB NOTES: **787120** CHEMIST: \_\_\_\_\_ DATE: **/ /**

PROSPECT OR PROJECT: **HAZZELWOOD T.A.S.** AREA OR GRID NAME: **BALD HILL**

LINE No: **LINE 2** LOCATION ON LINE OR HOLE NUMBER: **950 E** LOG PAGE **1** OF **1**

**LOG & ANALYTICAL REPORT Sheet No. of A/O**

FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X-BELOW DETECTION LIMIT						TUBE No.
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pd	Ru	Rh	Ir	Os	
0	0.1		PEAT									
0.1	0.2		DARK BWN ORGANIC RICH SOIL		312729 D.P.							
0.2	0.4		RED BWN SANDY CLAY			5.0	2.5	1.5	0.5	1.0	X	
0.4	0.6		GRY GRN SANDY CLAY			6.0	0.5	X	X	3.5	X	
0.6	1.0		GRN SANDY GRAVEL - ULTRAMAFIC									
1.0			BASEMENT ULTRAMAFIC E.O.H.									

AP, AIR PHOTO DRAWING No. \_\_\_\_\_  
 LOGGED BY: **B. PARKE** MACHINE: **AUGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: **-** MAG/GRID: \_\_\_\_\_  
 SAMPLE TYPE: **AIR VIA 1** FIELD ENTRY BY: \_\_\_\_\_ DATE: **3/24/87**  
 PROSPECT OR PROJECT: **HAZELWOOD T.A.S.** AREA OR GRID NAME: **BRAD Hill**  
 LINE No.: **LINE 2** LOCATION ON LINE OR HOLE NUMBER: **960 E** LOG PAGE: **1 OF 1**

CHECK SAMPLE \_\_\_\_\_  
 LAB NOTES: **787121** CHEMIST: \_\_\_\_\_ DATE: **/ /**  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**

FIELD ENTRY  
LAB. ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT						
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pd	Ru	Rh	Ir	Os	
0	0.1		FEAT									
0.1	0.3		BWN SANDY LOAM									
0.3	0.6		BWN GRN COARSE SANDY CLAY		312728	5.0	5.5	2.0	1.0	X	X	
0.6	0.8		GRY GRN SANDY CLAY									
0.8	1.0		GRN CLAY WITH ANGULAR PIECES, 3mm across, ULTRABASIC									
1.0			BASEMENT ULTRABASIC E.D.H.									

AIR PHOTO DRAWING No. \_\_\_\_\_

GED BY: **B. PARKE** MACHINE: **AVGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: \_\_\_\_\_ MAG/GRID: \_\_\_\_\_

PLE TYPE: **ALLUVIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **3/4/82**

PROSPECT OR PROJECT: **HAZELEWOOD T.O.S.** AREA OR GRID NAME: **BRAD HILL**

LINE No: **LINE 2** LOCATION ON LINE OR HOLE NUMBER: **970E** LOG PAGE: **1 OF 1**

CHECK SAMPLE: \_\_\_\_\_

LAB. NOTES: \_\_\_\_\_

CHEMIST: \_\_\_\_\_ DATE: / /

**787122**

**LOG & ANALYTICAL REPORT Sheet No. of A/O**

FIELD ENTRY  
LAB. ENTRY

CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X= BELOW DETECTION LIMIT						TUBING NO.
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pt	Ru	Rh	Ir	Os	
0	0.1		PEAT									
0.1	0.3		RED BNN SANDY CLAY		312727							
0.3	0.6		GRN SANDY CLAY			5.0	4.0	1.5	0.5	X	X	
0.6			BASEMENT ULTRAMAFICS E.O.H.									

DRAWING No. \_\_\_\_\_  
 DRAFTER BY: **B. DARKE**      MACHINE: **AUGER**      INCLINATION AT COLLAR: **90°**      BEARING AT COLLAR: \_\_\_\_\_      MAG./GRID: \_\_\_\_\_  
 SAMPLE TYPE: **ALLUVIAL**      FIELD ENTRY BY: \_\_\_\_\_      DATE: **30/4/87**  
 PROSPECT OR PROJECT: **HAZZELWOOD TMS**      AREA OR GRID NAME: **BAIRD HILL**  
 LINE No: **LINE 2**      LOCATION ON LINE OR HOLE NUMBER: **980 E**      LOG PAGE **1** OF **1**

CHECK SAMPLE: \_\_\_\_\_  
 LAB NOTES: \_\_\_\_\_      CHEMIST: \_\_\_\_\_      DATE: / /  
**787123**  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**

FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT						T.C. No.	
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		As	Pb	Cu	Zn	Mn	OS		
0	0.1		PEAT & ORGANICS		312725								
0.1	0.3		BWN SANDY CLAY			3.0	1.0	1.0	1.0	1.5	X		
0.3	1.0		GRN GRAY CLAY		312726								
1.0	1.2		GRN GRAY CLAY WITH WHITE SANDY LAYERS			4.5	1.0	1.0	1.0	X	X		
1.2	1.3		DITTO										
1.3			BASEMENT E.O.H. ULTRAMAFIC										

DRAWING No. \_\_\_\_\_  
 DRAUGHTSMAN: **B. DARKE**  
 MACHINE: **AUGER**  
 INCLINATION AT COLLAR: **90°**  
 BEARING AT COLLAR: **-**  
 MAG./GRID: \_\_\_\_\_  
 SAMPLE TYPE: **MINERAL**  
 FIELD ENTRY BY: \_\_\_\_\_  
 DATE: **30/4/8**  
 PROJECT: **HAZELWOOD TAS.**  
 AREA OR GRID NAME: **BALD HILL**  
 LINE No: **LINE 3**  
 LOCATION ON LINE OR HOLE NUMBER: **990E**  
 LOG PAGE: **1** OF **1**

CHECK SAMPLE: \_\_\_\_\_  
 LAB NOTES: \_\_\_\_\_  
**787124**  
 CHEMIST: \_\_\_\_\_  
 DATE: **1 / 1**  
**LOG & ANALYTICAL REPORT** Sheet No. **of A/O**

FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X=BELOW DETECTION LIMIT					
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pd	Pu	Rh	Ir	Os
0	0.1		PEAT & ORGANICS		312728						
0.1	0.2		RED BWN SANDY CLAY			3.0	0.5	1.5	2.0	x	4
0.2	0.5		GRN GRAY SANDY CLAY								
0.5	0.8		GRN CLAY SOME LAYERS OF OXIDIZATION								
0.8			BASEMENT ULTRABASIC E.O.H								

P AIR PHOTO DRAWING No: \_\_\_\_\_  
 DRAUGHTSMAN: **B. DARKE** MACHINE: **AUGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: \_\_\_\_\_ MAG / GRID: \_\_\_\_\_  
 SAMPLE TYPE: **ALLUVIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **30/4/87** LAB. NOTES: **787125** CHEMIST: \_\_\_\_\_ DATE: **/ /**  
 PROSPECT OR PROJECT: **HAZZELWOOD TDS** AREA OR GRID NAME: **BAARD HILL**  
 LINE No: **LINE 2** LOCATION ON LINE OR HOLE NUMBER: **1000 E** LOG PAGE **1 OF 1**  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**

FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT							
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		As	Pb	Cu	Zn	Ir	Ag		
0	0.3m		Dk Bn organic-rich CLAY, peat		312748	4.5	1.5	6.5	1.5	0.5	x		
0.3	0.8		Bn, gy-bn clayey decomposed PYROXENITE		312749	190	1.5	1000	34	5200	6200		
					AV	43	1.5	220	8.0	1200	1600		
0.8			Basement. e.o.k.		AV	116	15	610	21.0	3200	3900		

AIR PHOTO DRAWING No: \_\_\_\_\_  
 LOGGED BY: KM MACHINE: auger INCLINATION AT COLLAR: vert. BEARING AT COLLAR: \_\_\_\_\_ MAG./GRID: \_\_\_\_\_  
 SAMPLE TYPE: \_\_\_\_\_ FIELD ENTRY BY: \_\_\_\_\_ DATE: / /

CHECK SAMPLE: \_\_\_\_\_  
 LAB. NOTES: \_\_\_\_\_ CHEMIST: \_\_\_\_\_ DATE: / /  
787126

PROSPECT OR PROJECT: Heazlewood AREA OR GRID NAME: \_\_\_\_\_  
 LINE No: 2 LOCATION ON LINE OR HOLE NUMBER: 1010 mE LOG PAGE 1 OF 1



FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED, X = BELOW DETECTION LIMIT						TUBE NO.	
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pd	Ru	Rh	Ir	Os		
0	0.1m		Dark Brown	organic rich clay	31275.1	5.5	x	6.0	1.5	1.5	x		
0.1	0.2		Yellow Brown	pyroxene sand, fragments									
0.2			K.O.H.	Barren									

\*P. AIR PHOTO DRAWING No.

LOGGED BY: K.M. MACHINE: ALGER INCLINATION AT COLLAR: vert. BEARING AT COLLAR: MAG./GRID:

SAMPLE TYPE: Alluvial FIELD ENTRY BY: DATE: 1/87

PROSPECT OR PROJECT: HEAZLEWOOD AREA OR GRID NAME: BALD HILL - PORCILLS

LINE No: 2 LOCATION ON LINE OR HOLE NUMBER: 1030E LOG PAGE 1 OF 1

CHECK SAMPLE

LAB. NOTES: 787128 CHEMIST: DATE: / /

**LOG & ANALYTICAL REPORT Sheet No. of A/O**

FIELD ENTRY  
LAB. ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT					
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pb	Cu	Zn	Fe	Mn
0	0.3m	0.3m	Dark Brown	Organic-rich clay, peat, minor rock fragments.	312752	3.5	1.0	5.0	1.0	1.5	X
03	07	0.4m	grey-brown	gitty clay, pyroclastic sand.							
07	12	0.5	Brown-Green	decomposed PYROCLASTIC.	32753	4.0	X	8.5	1.0	0.5	X
02			E.O.H. BASEMENT.								

AIR PHOTO DRAWING No. \_\_\_\_\_

DESIGNED BY: *KM* MACHINE: *ALGER* INCLINATION AT COLLAR: *vert* BEARING AT COLLAR: \_\_\_\_\_ MAG./GRID: \_\_\_\_\_

SAMPLE TYPE: *Alluvial* FIELD ENTRY BY: \_\_\_\_\_ DATE: *1/587* CHECK SAMPLE: \_\_\_\_\_

PROSPECT OR PROJECT: *HEALLENWOOD* AREA OR GRID NAME: *BALD HILL - PORCELES* LAB. NOTES: *787129* CHEMIST: \_\_\_\_\_ DATE: */ /*

LINE No: *2* LOCATION ON LINE OR HOLE NUMBER: *1040E* LOG PAGE *1* OF *1*

**LOG & ANALYTICAL REPORT Sheet No. of A/O**

FIELD ENTRY  
LAB. ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT								
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pi	Ru	Rh	Ir	Os			
0	0.3m		Dark Brown	Organic Rich CLAY, peat										
0.3	0.6		Yellow-Brown	clay with Rock fragments	32754	5.5	2.5	4.0	0.5	1.0	X			
0.6	1.0		Brown-dark green	decomposed pyroxenite with rock fragments	32755	11	0.5	3.0	0.5	1.0	X			
1.0			E.O.H.	BASEMENT										

AIR PHOTO DRAWING No. \_\_\_\_\_

DRAWN BY: K.M. MACHINE: AUGER INCLINATION AT COLLAR: vert BEARING AT COLLAR: \_\_\_\_\_ MAG / GRID: \_\_\_\_\_

DRILL TYPE: Alluvial FIELD ENTRY BY: \_\_\_\_\_ DATE: 15/81 LAB. NOTES: 787130 CHEMIST: \_\_\_\_\_ DATE: / /

PROSPECT OR PROJECT: HEALFWOOD AREA OR GRID NAME: BALLO HILL - PURCELL

LINE No: 2 LOCATION ON LINE OR HOLE NUMBER: 1050E LOG PAGE 1 OF 1

**LOG & ANALYTICAL REPORT Sheet No. .... of A/O**

FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE FROM m TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X= BELOW DETECTION LIMIT					
		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pcl	Ru	Rh	Ir	Os
0	03m	Dark Brown	CLAY, peaty soil	312756	4.0	1.0	3.5	1.5	0.5	X
03	06	Brown to yellow-grey	GRITTY CLAY. Decomposed Pyroxenite	312757	4.5	1.5	4.5	1.0	1.0	X
06	08m	Yellow-Brown	Decomposed Pyroxenite							
08		E.O.H.	Basement							

AIR PHOTO DRAWING No. \_\_\_\_\_  
 DRAUGHTSMAN: **K.M.** MACHINE: **AUGER** INCLINATION AT COLLAR: **vert** BEARING AT COLLAR: \_\_\_\_\_ MAG/GRID: \_\_\_\_\_  
 SAMPLE TYPE: **Alluvial** FIELD ENTRY BY: \_\_\_\_\_ DATE: **15/87** LAB. NOTES: **787131** CHEMIST: \_\_\_\_\_ DATE: / /  
 PROSPECT OR PROJECT: \_\_\_\_\_ AREA OR GRID NAME: **BALD HILL - PURCELL'S**  
 LINE No: **2** LOCATION ON LINE OR HOLE NUMBER: **1060E** LOG PAGE **1** OF **1**  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**



FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPm UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT						TUBE No
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pt	Ru	Rh	Ir	Os	
0m			Barement in old workings		32759	4.0	2.5	3.0	0.5	1.0	X	
			CLAY decomposed fragments									
			bags of approx. chalcocopy									

AIR PHOTO DRAWING No. \_\_\_\_\_  
 LOGGED BY: **K.M.** MACHINE: **ALGER** INCLINATION AT COLLAR: **VERT** BEARING AT COLLAR: \_\_\_\_\_ MAG./GRID: \_\_\_\_\_  
 SAMPLE TYPE: **Alluvial** FIELD ENTRY BY: \_\_\_\_\_ DATE: **5/87** LAB NOTES: \_\_\_\_\_  
 PROSPECT OR PROJECT: **HEARLEWOOD** AREA OR GRID NAME: **RALPH HILL PARCELS** CHEMIST: \_\_\_\_\_ DATE: **787133** / /  
 LINE No.: **2** LOCATION ON LINE OR HOLE NUMBER: **1080 E** LOG PAGE: **1 OF 1**



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CO-ORDINATE FROM TO M	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X= BELOW DETECTION LIMIT						
		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pd	Ru	Rh	Ir	Os	
0 02		Brown Clayey Soil	FeO	312761							
02 04		Brown Decomposed Pyroxenite			2.0	4.5	4.0	1.0	1.0	2	
04		E.O.H. Basement									

DRAWING No. \_\_\_\_\_  
 D BY: K.M. MACHINE: AUGER INCLINATION AT COLLAR: vert. BEARING AT COLLAR: \_\_\_\_\_ MAG/GRID: \_\_\_\_\_  
 SAMPLE TYPE: Soil FIELD ENTRY BY: \_\_\_\_\_ DATE: 5/87 CHECK SAMPLE: \_\_\_\_\_  
 PROSPECT OR PROJECT: HEAZLEWOOD AREA OR GRID NAME: BAND HILL - PURCELL'S LAB NOTES: 787135 CHEMIST: \_\_\_\_\_ DATE: / /  
 LINE No: 2 LOCATION ON LINE OR HOLE NUMBER: 1100E LOG PAGE 1 OF 1 LOG & ANALYTICAL REPORT Sheet No.      of A/O

FIELD ENTRY  
LAB. ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT					
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pb	Cu	Zn	Ir	Os
0	0.2m		Brown clay peat, decomposed pyroxenite fragments of	chertony	312762	4.0	1.5	5.5	0.5	0.5	2
0.2			EOL BASINENT								

AIR PHOTO DRAWING No. \_\_\_\_\_  
 GGD BY: K.M.T. MACHINE: AUGER INCLINATION AT COLLAR: 90 BEARING AT COLLAR: \_\_\_\_\_ MAG/GRID: \_\_\_\_\_  
 PLE TYPE: Alluvial FIELD ENTRY BY: \_\_\_\_\_ DATE: 1/87 CHECK SAMPLE: \_\_\_\_\_ LAB NOTES: 787136 CHEMIST: \_\_\_\_\_ DATE: / /  
 PROSPECT OR PROJECT: HAZLEWOOD AREA OR GRID NAME: B.H. - PURC. LOCATION ON LINE OR HOLE NUMBER: 1110E LOG PAGE 1 OF 1  
**LOG & ANALYTICAL REPORT Sheet No. \_\_\_\_\_ of A/O \_\_\_\_\_**

FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X=BELOW DETECTION LIMIT													
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pd	Ru	Rh	Ir	Os								
0m			mine workings Basement.		312763	120	2.0	650	22	3100	5300								
			as for 1110K																
			ie. Brown clay, peat, decomp. pyrox. frags of pyrox., detrital.																

AP, AIR PHOTO OR DRAWING No. \_\_\_\_\_  
 LOGGED BY: *K.M.* MACHINE: *auger* INCLINATION AT COLLAR: *-90* BEARING AT COLLAR: *-* MAG/GRID: \_\_\_\_\_  
 SAMPLE TYPE: *alluvial* FIELD ENTRY BY: \_\_\_\_\_ DATE: *1/58*

CHECK SAMPLE \_\_\_\_\_  
 LAB NOTES: \_\_\_\_\_  
 CHEMIST: \_\_\_\_\_ DATE: *1 / 1*

PROSPECT OR PROJECT: *Hegglewood* AREA OR GRID NAME: *Purcell's*  
 LINE No: *2* LOCATION ON LINE OR HOLE NUMBER: *1120m E* LOG PAGE *1* OF *1*



FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X=BELOW DETECTION LIMIT							
FROM	TO M		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pcl	Ru	Rh	Ir	Os		
0	0.3m		Dark Brown	Peaty Clay	312766	4.5	3.0	4.0	1.0	x	x		
0.3	0.6m		Dark Brown-grey	decomposed pyroxene	312767	5.5	3.5	4.0	1.0	1.0	x		
0.6m			E.D.H. BASEMENT.										

P AIR PHOTO DRAWING No: \_\_\_\_\_  
 GGD BY: K.M. MACHINE: ACGER INCLINATION AT COLLAR: vert. BEARING AT COLLAR: \_\_\_\_\_ MAG./GRID: \_\_\_\_\_  
 PLE TYPE: Alluvial FIELD ENTRY BY: \_\_\_\_\_ DATE: 15/87 LAB NOTES: 787138 CHEMIST: \_\_\_\_\_ DATE: / /  
 PROSPECT OR PROJECT: Heaglenwood AREA OR GRID NAME: BALD HILL - AXCELLS  
 LINE No: 2 LOCATION ON LINE OR HOLE NUMBER: 1140E LOG PAGE 1 OF 1  
**LOG & ANALYTICAL REPORT Sheet No. \_\_\_\_\_ of A/O \_\_\_\_\_**



FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X=BELOW DETECTION LIMIT					
FROM	TO M		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pcl	Ru	Rh	Ir	Os
0	0.3m		Dark Brown	Peaty Clay	312766	4.5	3.0	4.0	1.0	X	X
0.3	0.6m		Dark Brown-grey	decomposed pyroxenite	312767	5.5	3.5	4.0	1.0	1.0	X
0.6m			E.O.H. BASEMENT.								

AIR PHOTO DRAWING No. \_\_\_\_\_  
 GGED BY: K.M. MACHINE: AGGER INCLINATION AT COLLAR: vert. BEARING AT COLLAR: \_\_\_\_\_ MAG./GRID: \_\_\_\_\_  
 SAMPLE TYPE: Alluvial FIELD ENTRY BY: \_\_\_\_\_ DATE: 15/87 LAB. NOTES: \_\_\_\_\_ CHEMIST: \_\_\_\_\_  
 PROSPECT OR PROJECT: Heaglewood AREA OR GRID NAME: BALD HILL - FOXGILLS  
 LINE No: 2 LOCATION ON LINE OR HOLE NUMBER: 1140E LOG PAGE 1 OF 1

FIELD ENTRY  
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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X=BELOW DETECTION LIMIT						TUBE No.
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pcl	Ru	Rh	Ir	Os	
0	0.05		PEAT + ORGANICS		312733							
0.05	0.1		GREEN SANDY CLAY			3.0	1.0	3.0	1.0	1.0	X	
0.1			BASEMENT - ULTRAMAFIC E.D.H.									

AD AIR PHOTO DRAWING No. \_\_\_\_\_  
 LOGGED BY: **B. DARKE** MACHINE: **AUGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: \_\_\_\_\_ MAG/GRID: \_\_\_\_\_  
 SAMPLE TYPE: **ALLUVIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **30/4/87**  
 PROSPECT OR PROJECT: **HAZZELWOOD TAS** AREA OR GRID NAME: **BAIRD HILL**  
 LINE No: **LINE 3** LOCATION ON LINE OR HOLE NUMBER: **900E** LOG PAGE: **1 OF 1**

CHECK SAMPLE \_\_\_\_\_  
 LAB. NOTES: **787140** CHEMIST: \_\_\_\_\_ DATE: **/ /**

FIELD ENTRY  
LAB ENTRY

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NO. 1000 T

CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT								
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pcl	Ru	Rh	Ir	Os			
0	0.05		PEAT & ORGANICS											
0.05	0.2		1mm FRAGMENTS OF ULTRABASIC IN A BROWN SANDY CLAY		312722									
0.2	0.6		GREEN GREY SANDY CLAY CONTAINING SOME 3mm PIECES OF WEATHERED ULTRABASIC ROCK.			3.5	1.0	2.5	1.0	X	X			
0.6	0.7		GREEN GREY SANDY CLAY WITH SOME COARSE FRAGMENTS OF ULTRABASIC											
0.7			BASEMENT E.O.H.											

AP, AIR PHOTO DRAWING No. \_\_\_\_\_

LOGGED BY: **B. DARKE** MACHINE: **AUGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: \_\_\_\_\_ MAG/GRID: \_\_\_\_\_

SAMPLE TYPE: **ALLUVIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **3/1/87**

PROSPECT OR PROJECT: **HAZZELWOOD TAS.** AREA OR GRID NAME: **BAND HILL**

LINE No: **LINE 3** LOCATION ON LINE OR HOLE NUMBER: **910E** LOG PAGE: **1 OF 1**

CHECK SAMPLE: \_\_\_\_\_

LAB NOTES: **787141** CHEMIST: \_\_\_\_\_ DATE: **/ /**

FIELD ENTRY  
LAB. ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X = BELOW DETECTION LIMIT								
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pd	Ru	Rh	Ir	Os			
0	0.05		PEAT & ORGANICS		312721									
0.05	0.2		3mm FRAGMENTS OF ULTRAMAFIC IN A RED SANDY CLAY			3.5	2.5	5.5	1.5	1.0	X			
0.2			BASEMENT P.O.H.											

P. AIR PHOTO DRAWING No. \_\_\_\_\_  
 LOGGED BY: **B. DARKE** MACHINE: **AUGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: \_\_\_\_\_ MAG./GRID: \_\_\_\_\_  
 SAMPLE TYPE: **ALLUVIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **30/4/82**  
 CHECK SAMPLE: \_\_\_\_\_ LAB NOTES: **787142** CHEMIST: \_\_\_\_\_ DATE: / /  
 PROJECT: **HAZZELWOOD TAS** AREA OR GRID NAME: **BAAD HILL**  
 LINE No: **LINE 3** LOCATION ON LINE OR HOLE NUMBER: **920 E** LOG PAGE: **1 OF 1**  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**

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LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED, X=BELOW DETECTION LIMIT							
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pb	Ru	Rh	Ir	Os		
0	0.2		PEAT & ORGANICS		312720								
0.2	0.4		COURSE, 200 ACROSS, FRAGMENTS OF ULTRAMAFIC IN A RED BROWN SANDY CLAY SHOWING OXIDIZATION.			180	440	180	61	45	68		
0.4	0.7		LARGE FRAGMENTS, 1000 ACROSS, OF ULTRAMAFICS IN A LIGHT BROWN SANDY CLAY.										
0.7	0.8		GREEN GREY CLAY WITH A SANDY COLLECTION OF WEATHERED ULTRAMAFIC.										
0.8			BASEMENT E.O.H.										

\*P, AIR PHOTO DRAWING No. \_\_\_\_\_

LOGGED BY: **B. DARKE** MACHINE: **AUGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: \_\_\_\_\_ MAG./GRID: \_\_\_\_\_

SAMPLE TYPE: **ALLUVIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **30/4/87**

PROSPECT OR PROJECT: **HAZELWOOD TNS** AREA OR GRID NAME: **ROAD Hill**

LINE No: **LINE 3** LOCATION ON LINE OR HOLE NUMBER: **9.30E** LOG PAGE 1 OF 1

CHECK SAMPLE \_\_\_\_\_

LAB NOTES: **787143** CHEMIST: \_\_\_\_\_ DATE: / /

FIELD ENTRY  
LAB. ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED, X=BELOW DETECTION LIMIT						T. PROC. NO.	
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pt	R <sub>0</sub>	R <sub>h</sub>	I <sub>r</sub>	D <sub>s</sub>		
0	0.2		PEAT & ORGANICS		31271P								
0.2	0.5		GREEN GREY COARSE SANDY CLAY			4.5	2.0	4.0	1.0	x	x		
0.5	0.7		LARGE FRAGMENTS OF ULTRAMAFIC IN A GREEN GREY SANDY CLAY.										
0.7			BASEMENT B.O.H										

P. AIR PHOTO DRAWING No. \_\_\_\_\_  
 DRAUGHTSMAN: **B. DARKE**  
 MACHINE: **RUGER**  
 INCLINATION AT COLLAR: **90°**  
 BEARING AT COLLAR: \_\_\_\_\_  
 MAG./GRID: \_\_\_\_\_  
 FIELD ENTRY BY: \_\_\_\_\_  
 DATE: **30/4/87**  
 AREA OR GRID NAME: **BAAL HILL**  
 LOCATION ON LINE OR HOLE NUMBER: **940 E**  
 LOG PAGE: **1 OF 1**

CHECK SAMPLE: \_\_\_\_\_  
 LAB. NOTES: \_\_\_\_\_  
 CHEMIST: \_\_\_\_\_  
 DATE: **1 / 1**  
**787144**  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**



FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT						LAB. ENTRY No.	
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pd	Ru	Rh	Ir	Os		
0	0.1		PEAT & ORGANICS		312718								
0.1	0.3		BROWN SANDY CLAY										
0.3	0.6		SILT			35	1.5	3.5	1.0	0.5	X		
0.6	1.2		SANDY GRAVEL, MINOR OXIDIZATION, GREEN GRAY COLORED										
1.2			BASEMENT, ULTRAMAFIC E.O.H.										

P AIR PHOTO DRAWING No. \_\_\_\_\_  
 LOGGED BY: **B. DARKE** MACHINE: **AUGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: \_\_\_\_\_ MAG./GRID: \_\_\_\_\_  
 PLE TYPE: **ALLUVIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **3/4/87**  
 PROSPECT OR PROJECT: **HAZZELWOOD** AREA OR GRID NAME: **BALD HILL**  
 LINE No: **LINE 3** LOCATION ON LINE OR HOLE NUMBER: **950E** LOG PAGE 1 OF 1

CHECK SAMPLE: \_\_\_\_\_  
 LAB. NOTES: \_\_\_\_\_  
 CHEMIST: \_\_\_\_\_ DATE: / /  
**787145**

FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED, X=BELOW DETECTION LIMIT									
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pd	Ru	Rh	Ir	Os				
0	0.05		PEAT & ORGANICS		312717										
0.05	0.2		GREY GREEN CLAY WITH SANDY OXIDIZED ULTRAMAFIC ROCK			55	2.0	2.5	0.5	x	x				
0.2	0.5		DITTO												
0.5			BASEMENT E.O.H.												

\*P AIR PHOTO DRAWING No. \_\_\_\_\_  
 DUGGED BY: **B. DARKE** MACHINE: **AUGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: **-** MAG / GRID: \_\_\_\_\_  
 SAMPLE TYPE: **ALLUVIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **30/4/87** LAB NOTES: \_\_\_\_\_  
 PROSPECT OR PROJECT: **HAZZELWOOD T.A.S.** AREA OR GRID NAME: **BAIRD HILL** CHEMIST: **787146** DATE: **/ /**  
 LINE No: **LINE 3** LOCATION ON LINE OR HOLE NUMBER: **960 E** LOG PAGE **1** OF **1**  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**

FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT						
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pd	Ru	Rh	Ir	Os	
0	0.1		PEAT & ORGANICS		312716							
0.1	0.2		BROWN SANDY CLAY			3.5	1.0	2.5	2.0	0.5	<	
0.2	0.6		LIGHT BROWN CLAY SOME OXIDIZATION									
0.6	0.7		WEATHERED ULTRAMAFIC, GREEN/BLUE IN COLOUR CLAY WITH SOME BASAL FRAGMENTS									
0.6	0.7		DITTO									
0.7			BASEMENT E.O.H.									

AIR PHOTO DRAWING No. \_\_\_\_\_  
 DRAWN BY: **B. DARKE** MACHINE: **AUGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: \_\_\_\_\_ MAG./GRID: \_\_\_\_\_  
 SAMPLE TYPE: **ALUVIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **3/1/87** LAB. NOTES: **787147** CHEMIST: \_\_\_\_\_ DATE: / /  
 PROSPECT OR PROJECT: **HAZELWOOD T.A.S.** AREA OR GRID NAME: **BARB HILL**  
 LINE No.: **LINE 3** LOCATION ON LINE OR HOLE NUMBER: **970.E** LOG PAGE **1** OF **1**  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**

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LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT					
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pi	Ru	Rh	Ir	Os
0	0.1		PEAT & ORGANICS		312715						
0.1	0.2		C HORIZON ROCK FRAGMENTS SHOWING OXIDIZATION OF ULTRAMAFIC MATERIAL			4.0	2.0	4.5	0.5	1.5	4
0.2			BASALTIC E.O.H.								

AIR PHOTO DRAWING No. \_\_\_\_\_  
 DRAFTER BY: **B. DARKE** MACHINE: **AUGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: \_\_\_\_\_ MAG/GRID: \_\_\_\_\_  
 SAMPLE TYPE: **ALLUVIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **2/2/87** LAB NOTES: \_\_\_\_\_ CHEMIST: \_\_\_\_\_  
 PROSPECT OR PROJECT: **HAZZELWOOD TALS** AREA OR GRID NAME: **BOARD HILL**  
 LINE No.: **LINE 3** LOCATION ON LINE OR HOLE NUMBER: **980 E** LOG PAGE: **1** OF **1**

787148

DATE: / /

FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT						TUBE No
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pb	Cu	Zn	Fe	DE	
0	0.1		PEAT & ORGANICS		312714							
0.1	0.4		PEATY SANDY LOAM WITH SOME ROOTS, BROWN IN COLOUR			7.5	1.0	35	05	05	X	
0.4	0.5		RED BROWN SANDY CLAY, SHOWS OXIDIZATION OF ULTRAMAFICS									
0.5			BASEMENT E.O.H.									

AIR PHOTO DRAWING No: \_\_\_\_\_  
 DRAUGHTSMAN: **B. DARKE** MACHINE: **AUGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: **-** MAG/GRID: \_\_\_\_\_  
 SAMPLE TYPE: **ALLUVIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **30/4/87**  
 PROSPECT OR PROJECT: **HAZZELWOOD TAS** AREA OR GRID NAME: **BAIRD Hill**  
 LINE No: **LINE 3** LOCATION ON LINE OR HOLE NUMBER: **990 E** LOG PAGE **1** OF **1**

CHECK SAMPLE: \_\_\_\_\_  
 LAB NOTES: \_\_\_\_\_  
 CHEMIST: \_\_\_\_\_  
 DATE: **787149** / /

FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT						
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Pt	Pb	Cu	Zn	Ir	OS	
0	0.1		PEDS + ORGANICS		312713							
0.1	0.3		BROWN SANDY LOAM CONTAINING SOME ORGANICS			5.0	1.0	3.5	0.6	X	X	
0.3	0.6		RED OXIDIZATION IN A BROWN SANDY CRAY OF WEATHERED ULTRAMAFICS									
0.6			BASEMENT E.O.H.									

AIR PHOTO DRAWING No. \_\_\_\_\_  
 DGGED BY: **B. DARKE** MACHINE: **AUGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: **-** MAG/GRID: \_\_\_\_\_  
 PLE TYPE: **ALLUVIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **30/4/87**  
 PROSPECT OR PROJECT: **HAZELWOOD T.A.S.** AREA OR GRID NAME: **BRAD HILL**  
 LINE No: **LIVE 3** LOCATION ON LINE OR HOLE NUMBER: **1000 E** LOG PAGE: **1 OF 1**

CHECK SAMPLE \_\_\_\_\_  
 LAB NOTES: \_\_\_\_\_  
 CHEMIST: \_\_\_\_\_ DATE: / /  
**787150**  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**

FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; * BELOW DETECTION LIMIT								
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Au	Pt	Pd	Ru	Rh	Ir	Os		
0	0.1		PEAT											
0.1	0.7		SANDY CLAY CONTAINING PEAT, SOME OXIDIZATION OF WEATHERED DUNITE		312712	8	30	x	30	x	x	x		
0.7			BASEMENT E.O.H.											

AD. AIR PHOTO DRAWING No. \_\_\_\_\_  
 LOGGED BY: **B. DARKE** MACHINE: **Auger** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: **-** MAG./GRID: \_\_\_\_\_  
 SAMPLE TYPE: **ANALY** FIELD ENTRY BY: \_\_\_\_\_ DATE: **27/9/87**  
 PROSPECT OR PROJECT: **HAZZELWOOD T.A.S.** AREA OR GRID NAME: **BAWD HILL**  
 LINE No: **LINE 4** LOCATION ON LINE OR HOLE NUMBER: **900E** LOG PAGE 1 OF 1

CHECK SAMPLE \_\_\_\_\_  
 LAB. NOTES: \_\_\_\_\_  
 CHEMIST: \_\_\_\_\_ DATE: **1/1**  
**787151**  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**



FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X-BELOW DETECTION LIMIT							
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Au	Pt	Pd	Re	Rh	Ir	Os	
0	0.1		PEAT		312711	2	6.5	1.0	2.0	2.0	X	X	
0.1	0.3		OXIDIZED ZONE OF LEACHED QUINITE WITH MINOR FRESH MATERIAL										
0.3			BASEMENT, QUINITE C.O.H										

DRAWING No. \_\_\_\_\_  
 DRAWN BY: **B. DARKE** MACHINE: **AUGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: **-** MAG / GRID: \_\_\_\_\_  
 SAMPLE TYPE: **ALLUVIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **28/4/87**

CHECK SAMPLE: \_\_\_\_\_ LAB NOTES: **787152** CHEMIST: \_\_\_\_\_ DATE: **/ /**

PROSPECT OR PROJECT: **HAEZELWOOD TAS.** AREA OR GRID NAME: **BAAR HILL**  
 LINE No: **LINE 9** LOCATION ON LINE OR HOLE NUMBER: **9.10 E** LOG PAGE **1** OF **1**

FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT								
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Au	Pt	Pb	Cu	Zn	Ir	Os		
0	0.4		REPT TO 0.1m, SANDY CLAY SHOWING FRAGMENTS OF WEATHERED UTRAMAFIC BASEMENT, DUNITE E.O.H.		312710	8	3.0	5.5	2.5	0.5	0.5	X		

AIR PHOTO DRAWING No: \_\_\_\_\_  
 LOGGED BY: **B. JARKE** MACHINE: **AVGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: **-** MAG./GRID: \_\_\_\_\_  
 SAMPLE TYPE: **ANOMAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **2/4/87**  
 PROSPECT OR PROJECT: **HAZZELWOOD T.A.S.** AREA OR GRID NAME: **BRAD. HILL**  
 LINE No: **LINE 4** LOCATION ON LINE OR HOLE NUMBER: **920 E** LOG PAGE **1** OF **1**

CHECK SAMPLE: \_\_\_\_\_  
 LAB NOTES: **787153** CHEMIST: \_\_\_\_\_ DATE: / /  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT							T.C. No.
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		As	Pt	Pi	Po	Rh	Ir	Os	
0	0.3m		PEAT - BASE SANDY GREEN GRAY CLAY		312709	14	3.0	1.5	11	1.0	x	x	
0.3			BASEMENT E.O.H.		00P	4	4.0	1.0	50	1.0	0.5	x	

AIR PHOTO DRAWING No. \_\_\_\_\_  
 DRAFTER BY: **B. DORKE** MACHINE: **ROGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: **-** MAG/GRID: \_\_\_\_\_  
 SAMPLE TYPE: **ALLUVIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **2/14/87**  
 PROSPECT OR PROJECT: **HAEZELWOOD TABS** AREA OR GRID NAME: **BOLD HILL**  
 LINE No.: **LINE A** LOCATION ON LINE OR HOLE NUMBER: **930E** LOG PAGE **1** OF **1**

CHECK SAMPLE: \_\_\_\_\_  
 LAB. NOTES: \_\_\_\_\_  
 CHEMIST: \_\_\_\_\_ DATE: **787154** / /  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT							TUBE No
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Au	Pt	Pd	Ro	Rh	Ir	Os	
0	0.2		PEAT & SANDY LOAM		312708								
0.2	0.6		BROWN, RED SANDY CLAY SHOWING OXIDIZATION & SOME FRAGMENTS OF URANIFEROUS MATERIAL			H	45	X	35	05	X	2	
0.6			BASEMENT E.O.H.										

P. AIR PHOTO DRAWING No. \_\_\_\_\_  
 DRAUGHTSMAN: **B. DARKE** MACHINE: **AUGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: **-** MAG./GRID: \_\_\_\_\_  
 SAMPLE TYPE: **ANOMALY** FIELD ENTRY BY: \_\_\_\_\_ DATE: **2/2/82** LAB NOTES: **787155** CHEMIST: \_\_\_\_\_ DATE: / /  
 PROSPECT OR PROJECT: **HAZELWOOD TNS** AREA OR GRID NAME: **BALD HILL**  
 LINE No: **LINE A** LOCATION ON LINE OR HOLE NUMBER: **920E** LOG PAGE **1** OF **1**  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**

FIELD ENTRY  
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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X= BELOW DETECTION LIMIT						
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Au	Pt	Rt	Ru	Rh	Ir	Os
0	0.2		PEAT & SANDY CLAY - ULTRAMAFIC ORIGIN.		3312707	4	7.0	1.0	2.5	1.0	x	x
0.2			BASEMENT E.O.H.									

AIR PHOTO DRAWING No. \_\_\_\_\_  
 LOGGED BY: **B. DARKE** MACHINE: **AUGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: \_\_\_\_\_ MAG / GRID: \_\_\_\_\_  
 SAMPLE TYPE: **ALLUVIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **29/9/87**  
 PROSPECT OR PROJECT: **HAZZELWOOD T.A.S.** AREA OR GRID NAME: **BALD HILL**  
 LINE No: **LINE 4** LOCATION ON LINE OR HOLE NUMBER: **950E** LOG PAGE: **1** OF **1**  
 CHECK SAMPLE: \_\_\_\_\_ LAB NOTES: \_\_\_\_\_ CHEMIST: \_\_\_\_\_ DATE: / /  
**787156**  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**

FIELD ENTRY  
LAB. ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED, X=BELOW DETECTION LIMIT								
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Ag	Pt	Pd	Ro	Rh	Ir	Os		
0	0.4		PEAT & ORGANICS - SOME SANDY CLAY SHOWING FRAGMENTS OF ULTRAMAFICS.		312706	2	3.0	1.5	4.0	1.0	1.0	X		
0.4			BASEMENT. E.O.H.											

PAIR PHOTO DRAWING No. \_\_\_\_\_  
 LOGGED BY: **B. DARKE** MACHINE: **AUGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: \_\_\_\_\_ MAG / GRID: \_\_\_\_\_  
 SAMPLE TYPE: **ALLUVIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **22/1/87**  
 PROSPECT OR PROJECT: **HAZEWOOD TAS** AREA OR GRID NAME: **BLAD HILL**  
 LINE No: **LIVE 4** LOCATION ON LINE OR HOLE NUMBER: **960 E** LOG PAGE **1** OF **1**

CHECK SAMPLE \_\_\_\_\_  
 LAB NOTES: \_\_\_\_\_  
 CHEMIST: \_\_\_\_\_ DATE: **1 / 1**  
**787157**  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**



FIELD ENTRY  
LAB. ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT								
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		As	Pt	Pcl	Ru	Rh	Is	Os		
0	0.2		PEAT & ORGANICS		312705									
0.2	0.8		EXTREMELY SOFT SECTION OF SLUDGE, POOR RECOVERY			6	2.5	1.5	2.5	1.5	X	X		
0.8			SHOWING SANDY BROWN SLURRY OF ALLUVIAL ORIGIN'S											
			E.O.H. BASEMENT											

DRAWING No. \_\_\_\_\_  
 DRAFTER BY: S. DARKE MACHINE: AUGER INCLINATION AT COLLAR: 90° BEARING AT COLLAR: \_\_\_\_\_ MAG./GRID: \_\_\_\_\_  
 SAMPLE TYPE: ALLUVIAL FIELD ENTRY BY: \_\_\_\_\_ DATE: 25/8/87  
 PROSPECT OR PROJECT: HAZELWOOD TRS AREA OR GRID NAME: BLAD HILL  
 LINE No.: LINE 4 LOCATION ON LINE OR HOLE NUMBER: 970 E LOG PAGE 1 OF 1

CHECK SAMPLE \_\_\_\_\_  
 LAB. NOTES: \_\_\_\_\_  
 787158 CHEMIST: \_\_\_\_\_ DATE: / /  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**

FIELD ENTRY  
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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED, X = BELOW DETECTION LIMIT								
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Al	Fe	Pd	Cu	Rh	Is	Os		
0	0.2		PEAT & ORGANICS											
0.2	0.4		WHITE TO CREAMY BROWN ANGULAR SANDY CLAY	312707	6	3.5	1.0	2.0	1.0	x	x			
			APPEARS LEACHED & FRAGMENTS ARE OXIDIZED											
0.4	0.6		SANDY BROWN FRAGMENTS - WEATHERED ULTRAMAFICS											
0.6			BASEMENT E.O.H.											

AP, AIR PHOTO DRAWING No. \_\_\_\_\_  
 LOGGED BY: **B. PARKE** MACHINE: **AUGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: **-** MAG./GRID: \_\_\_\_\_  
 SAMPLE TYPE: **ALLUVIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **27/4/87**  
 PROSPECT OR PROJECT: **HAZELWOOD TAs** AREA OR GRID NAME: **BALD HILL**  
 LINE No.: **LINE 4** LOCATION ON LINE OR HOLE NUMBER: **980E** LOG PAGE **1** OF **1**

CHECK SAMPLE \_\_\_\_\_  
 LAB NOTES: \_\_\_\_\_  
 CHEMIST: \_\_\_\_\_  
**787159** DATE: / /  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**



FIELD ENTRY  
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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X= BELOW DETECTION LIMIT								
FROM	TO	ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY	Ag		Pt	Pb	Cu	Rh	Is	Zn			
0	0.2		PEAT & ORGANICS		312702									
0.2	0.8		B/C HORIZON? TOP PART OF SECTION SHOWS BLEACHED ANGULAR SANDY CLAYS & LOWER PART SHOWS GREEN GREY WEATHERED ULTRAMAFICS			2	4.0	3.0	5.0	0.5	x	x		
0.8	1.2		LARGE FRAGMENTS OF ULTRAMAFICS, SAND ACCROSS IN A SANDY CLAY, BLUE GREEN IN COLOUR		312703									
1.2			BASEMENT E.O.H.			6	5.0	1.0	2.0	0.5	x	x		

4P. AIR PHOTO  
 DRAWING NO. \_\_\_\_\_  
 LOGGED BY: **B. DARKE** MACHINE: **AUGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: \_\_\_\_\_ MAG./GRID: \_\_\_\_\_  
 SAMPLE TYPE: **ALLUVIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **27/1/87**  
 PROSPECT OR PROJECT: **HAZELWOOD TNS** AREA OR GRID NAME: **BAAD Hill**  
 LINE No: **LINE 4** LOCATION ON LINE OR HOLE NUMBER: **990E** LOG PAGE **1** OF **1**

CHECK SAMPLE \_\_\_\_\_  
 LAB. NOTES: \_\_\_\_\_  
 CHEMIST: \_\_\_\_\_  
**787160** DATE: **1 / 1**

FIELD ENTRY  
LAB ENTRY

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CO-ORDINATE		DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT							TUBE No.
FROM	TO		ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		Au.	Pt	Pd	Ru	Rh	IS	OS	
0	0.2		PEAT & ORGANICS		312700	2	30	2.5	1.5	1.0	X	X	
0.2	0.6		CLAY MATERIAL, BROWN WITH SOME ANGULAR PARTICLES		312701	150	60	1.0	1.5	0.5	0.5	X	
0.6	0.8		WEATHERED BASEMENT, BLUE IN COLOUR SANDY CLAY										
0.8	0.9		G. HORIZON, BROKEN BEDROCK FROM ULTRA MAFICS										
0.9			BASEMENT E.O.H.										

AP AIR PHOTO R DRAWING No. \_\_\_\_\_  
 LOGGED BY: **B. DARKE** MACHINE: **AUGER** INCLINATION AT COLLAR: **90°** BEARING AT COLLAR: **-** MAG / GRID: \_\_\_\_\_  
 SAMPLE TYPE: **ALLUVIAL** FIELD ENTRY BY: \_\_\_\_\_ DATE: **20/4/87**  
 PROSPECT OR PROJECT: **HAZELWOOD T.A.S.** AREA OR GRID NAME: **GRAD HILL**  
 LINE No: **LINE 4** LOCATION ON LINE OR HOLE NUMBER: **1000 E** LOG PAGE **1** OF **1**

CHECK SAMPLE \_\_\_\_\_  
 LAB NOTES: **787161** CHEMIST: \_\_\_\_\_ DATE: **/ /**  
**LOG & ANALYTICAL REPORT Sheet No. of A/O**

