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HEAZLEWOOD PROSPECTS
NORTH WEST TASMANIA
EL 21/85

ANNUAL REPORT FOR THE PERIOD ENDING 1.12.88

YEAR 3 (2.12.87 - 1.12.88)

REPORT NO. 212010

VOLUME 1 OF 2

OPEN FILE

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S.J. CARTHEW
P.G. BELLAIRS

OCTOBER 1988

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TENEMENT INFORMATION

EL 21/85 of 72km2 is centred approximately 8km NE of the Savage River iron ore mine and 6km NW of the Cleveland tin mine, NW Tasmania (figure 1). Granted on 1.12.85, it is 100% owned by Metals Exploration Limited.

SUMMARY OF PREVIOUS EXPLORATION

Alluvial osmiridium workings existed in the tributaries of and in Nineteen Mile Creek west of Bald Hill with patchy high grade (60 g/t to 2024 g/t P.G.E) values being found at Caudrys workings. Nickel was won from the Lord Brassey mine and copper-gold from the Jasper Mine, though numerous shallow workings have been found elsewhere (Russell's Adit, Duffs Hill).

Metals Exploration are investigating the hard rock P.G.E. source of known alluvial osmiridium workings and are evaluating the precious metal-base metal occurrences.

Stream sediment pan concentrate surveys confirmed the prospectivity of the western margin of the ultramafic complex for refractory P.G.E. Mapping has found zones of highly depleted and refractory melt products in conjunction with plagioclase bearing mafic and ultramafic differentiates of a tholeiitic melt that may have facilitated the formation of P.G.E. sulphides during first and second phase magma mixing (T.Summons and K.Morrison 1988).

Geochemically, two distinct regions occur which 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 a 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.

Four very strong anomalies were encountered in the Nineteen Mile Creek-Warners Creek area. The maximum value recorded was 5.1 ppm combined Os + Ir.

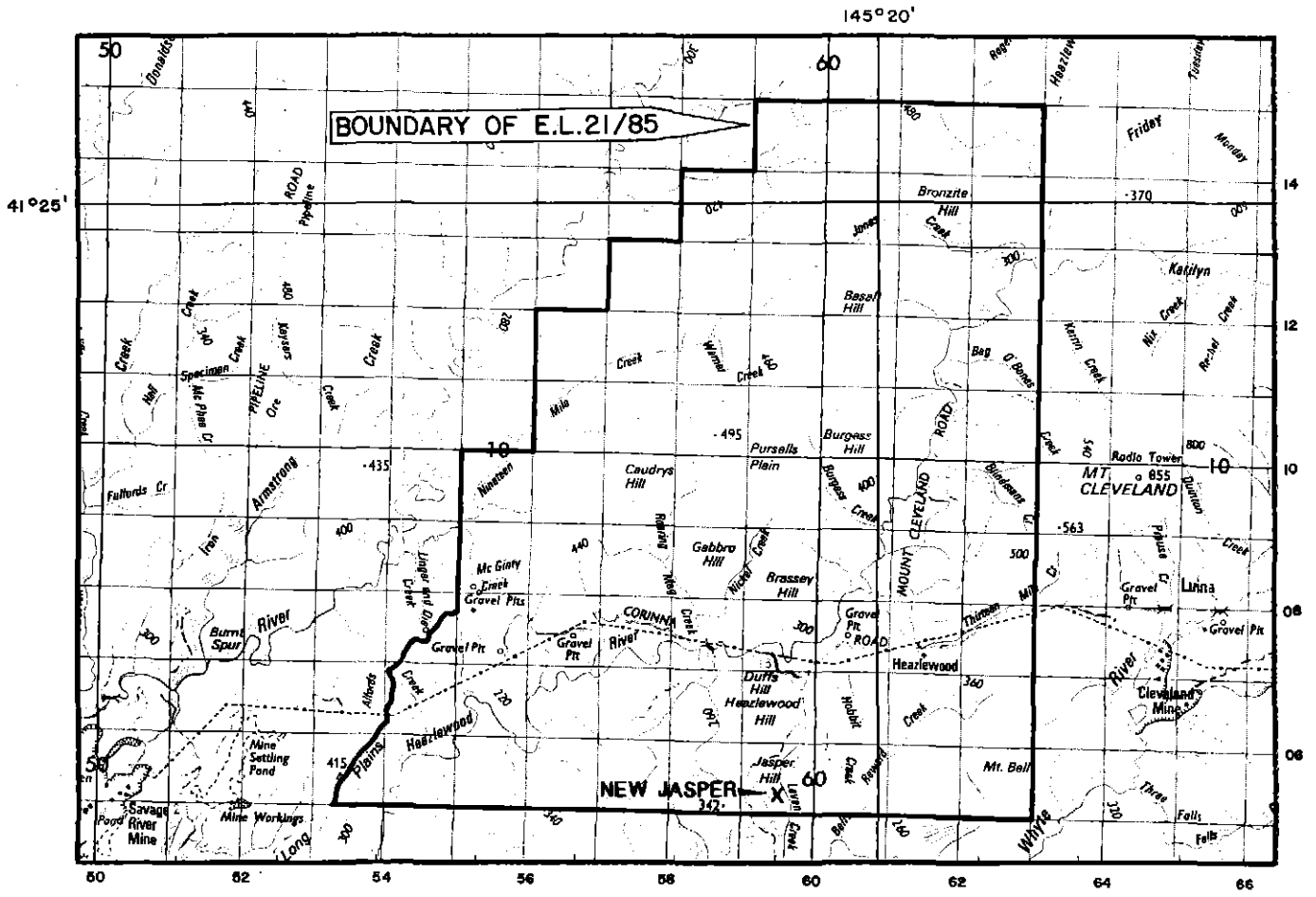
Four tentative anomalous PGE associations were delineated:-

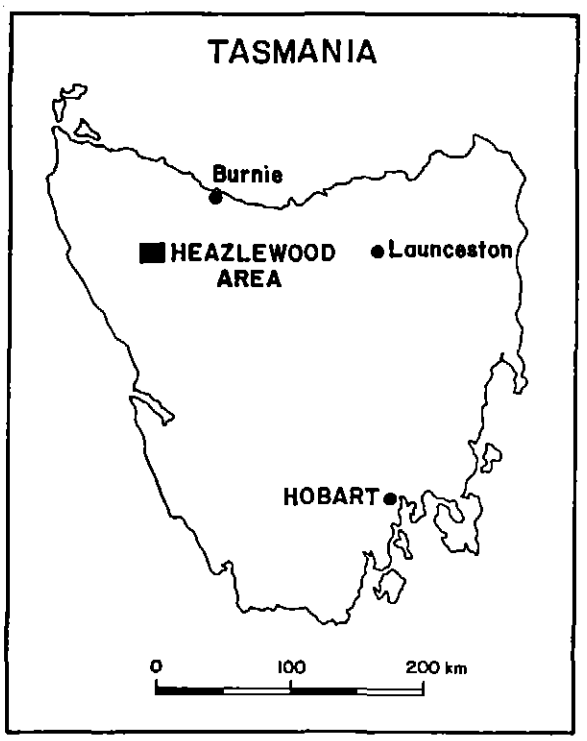
Region A, Group A1. Os, Ir, Ru, Pt. Probably associated with chromite-rich dunites, e.g. Fentons Grid 357,000 mE, 5,410,500 mN.

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.

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METALS EXPLORATION LTD.

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

LOCATION MAP

Scale 1:100,000

0 2 4 6km

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

5 cm

Region B, Group B1. Pt, Pd (+/- 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 (+/- Ru) (+/- Ni). Possibly associated with the harzburgites on Brassey Hill (including Lord Brassey heazlewoodite deposit). May be the same as association B1.

Gridding and mapping at Burgess and Brassey delineated the presence of chromitite rich zones hosted in both serpentinised dunite and coarse grained orthopyroxenite while the initial mapping at Fentons grid revealed NS trending chromitite bodies associated with coarse grained pyroxenite pods that contain elevated platinium values (0.89 g/t).

Channel sampling and vertical percussion drilling of the mineralized shear at Caudrys failed to intersect economic mineralization while auger drilling at Purcells returned four anomalous (>1 ppm) values.

SUMMARY OF EXPLORATION - YEAR 3

During the current year:

a) diamond drilling of nickel sulphide breccia and associated chromite at Fenton's Knob.

b) continued geological mapping at Fentons.

c) trenching with 3m and 1m composite channel sampling at Fentons, Burgess, Brassey North and Brassey; 2m radius rock chip samples at Fentons.

d) gridding, mapping, percussion drilling and an orientation EM survey at Jasper Prospect.

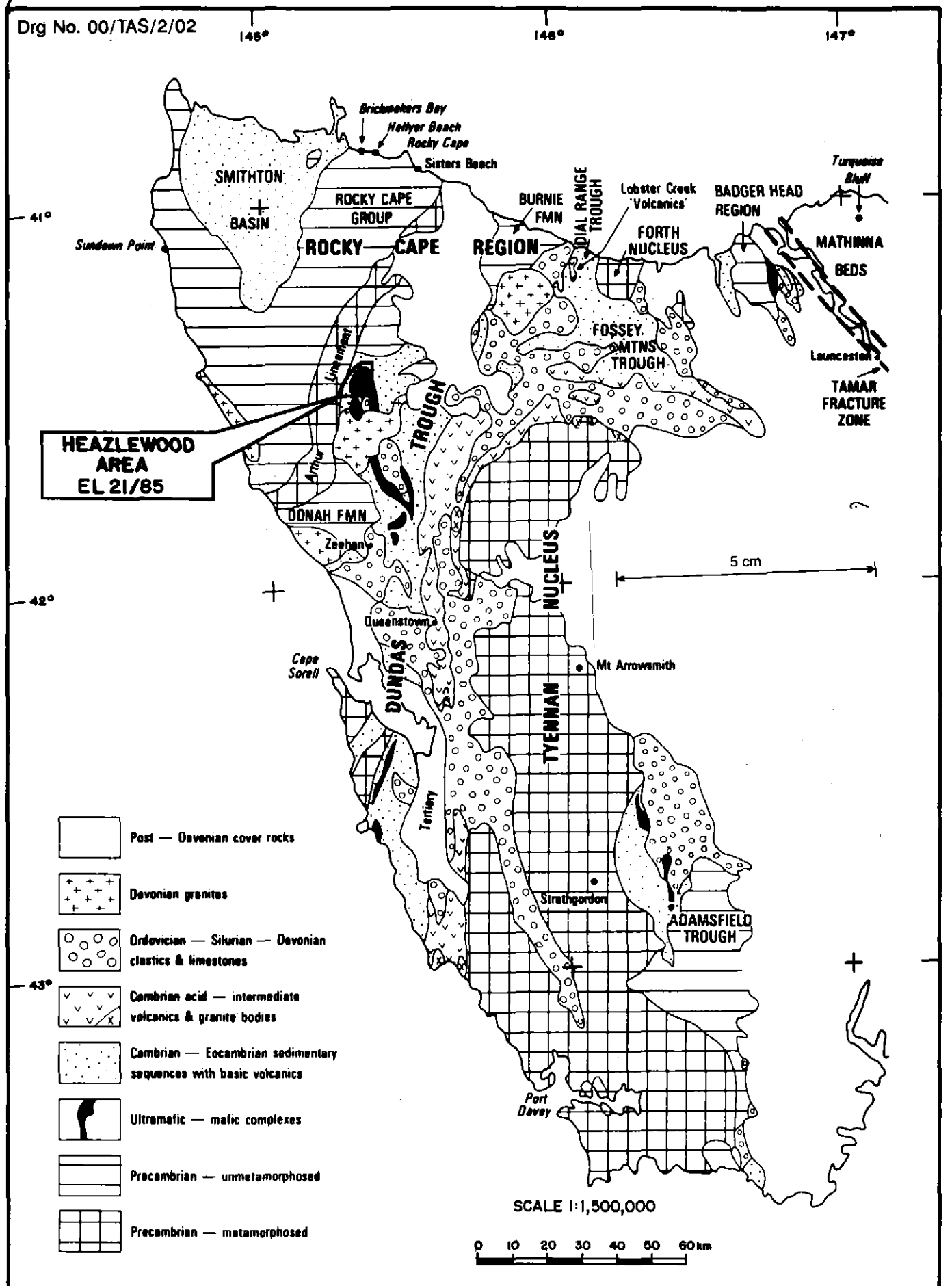
e) percussion drilling at North Brassey, Brassey, Caudrys and Purcells

f) environmental considerations and rehabilitation

g) review data - the location of stream sediment, magnetic, and didgem II anomalies together with known workings is summarised in enclosure 1.

720008

Drg No. 00/TAS/2/02



Geological map copied from paper by C.J. Adams and others, Aust. Journal Earth Service, Vol. 32 No. 1, 1985.

METALS EXPLORATION LIMITED

STRUCTURAL MAP SHOWING TECTONIC SETTING OF ULTRAMAFIC COMPLEXES AND LOCATION OF HEAZLEWOOD EL 21/85

Fig No.: 2

REGIONAL GEOLOGY

The Heazlewood River Complex (HRC) is located in the northern portion of the Dundas Trough, a narrow circuate basin that developed between the Pre-Cambrian Tyennan and Rocky Cape cratons in northwest Tasmania, Soloman et al 1965 (figure 2). Eocambrian-Cambrian volcanics and sediments were deposited in elongate rift grabens of the broader Dundas Trough within and between regions of polydeformed Precambrian siltstone, orthoquartzite, and minor volcanic rocks (figure 3). The Eocambrian deposits (the Success Creek Group) consist of 1000m of shallow water to fluviatile sedimentary rocks passing conformably into basic volcanoclastic sedimentary rocks with olivine and quartz-rich tholeiitic lavas of the Crimson Creek Formation (Brown et al 1988).

High magnesium andesitic volcanics were then extruded and associated magmatic cumulates formed at high temperatures/low pressure in crustal magma chambers (Brown 1986).

During early Middle Cambrian, the tectonic regime changed from tensional to compressive causing thrusting of the ultramaifc complexes onto sediments. Volcanic activity produced fine grained tholeiitic basalts, spilitic rocks and dolerites. Late Cambrian quartz diorite/gabbro stocks intruded the ultramafic rocks.

During early Devonian times, folding extensively deformed the rocks producing open fold structures with steep axial planes that led to faulting and latter intrusion of granite batholiths into the basement and trough sequences.

Tertiary flood basalts occur on the peneplained surface.

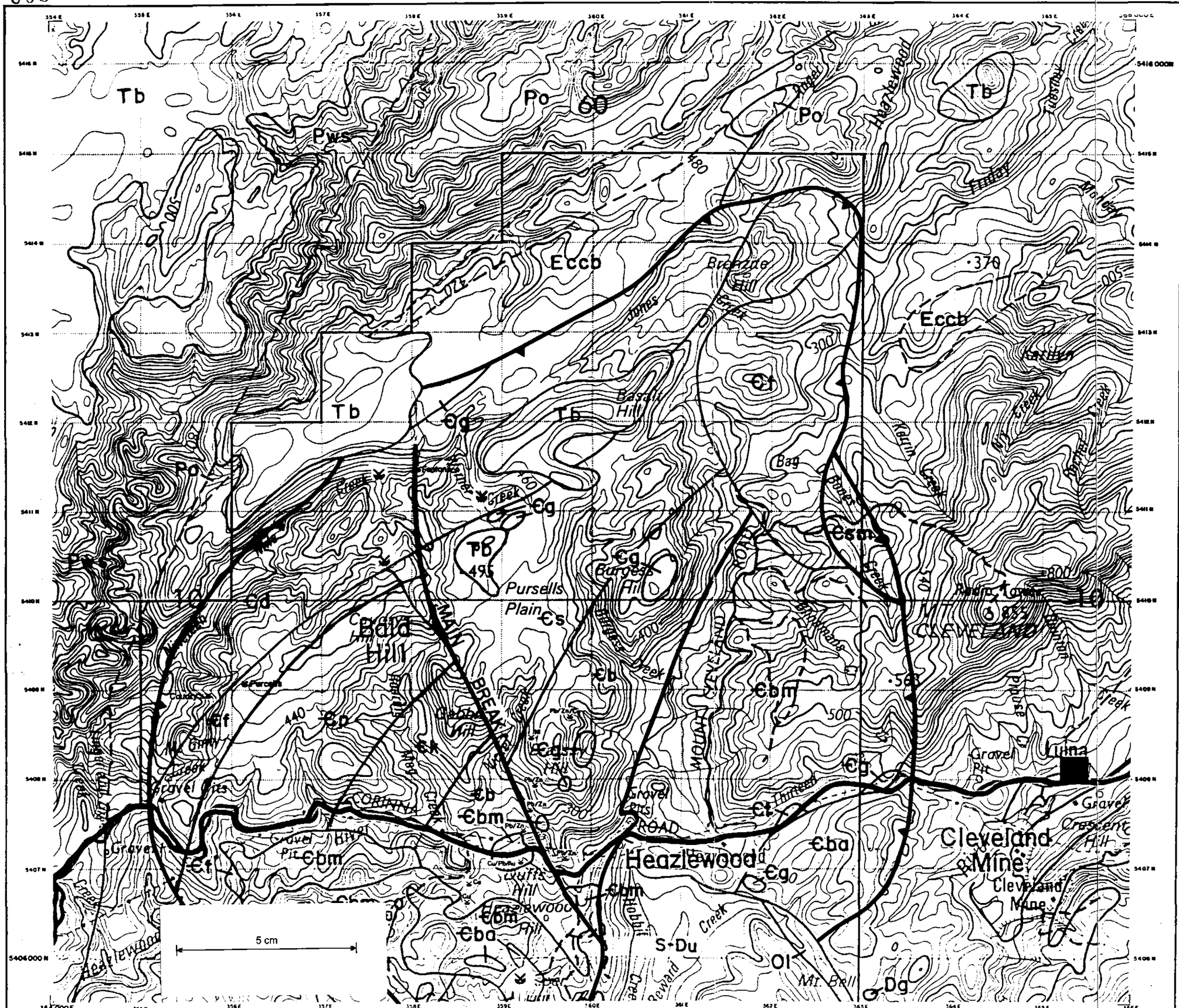
LOCAL GEOLOGY

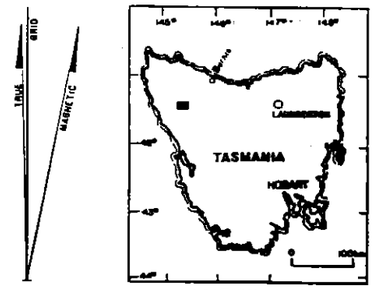
A compilation of available geological mapping includes work by Rubenach (1973), Brown (1986) and Creenaune (1980), Peck (in progress) and Metals Exploration. This work suggests that the HRC is an allochthonous body, consisting of ultramafics, gabbro and tonalite intrusives and volcanic rocks. It is fault bounded with an eastern melange zone, whilst in the Jasper Hill area south of the HRC, calc alkaline dacites and andesites are part of the sedimentary-volcaniclastic sequence (Berry & Crawford, 1988).

Within the ultramafic complex, six layered sequences of one or more cumulate rock types occur which have gradational contacts. Numerous small shears and faults cut the HRC in a variety of orientations. Faulting in the vicinity of Chromite Hill (figure 3) caused dislocation and rotation of a coherent block of the ultramafic rocks and produced nearly horizontal layering attitudes in the vicinity of Fenton's Spur (northeastern end of Caudry's Hill).

The contact between the ultramafics (olivine gabbro-harzburgite) and extrusive low - Ti tholeiites (dolerites) and boninites is unresolved. D.Peck (pers. com.) considers it to be conformable whilst evidence of shearing led P. Creenaune (1980) to infer faulting.

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LOCATION MAP

LEGEND

SEDIMENTARY & VOLCANIC ROCKS

- Tb — Tertiary basalt
- S-Du — Silurian-Devonian Sedimentary rocks

VOLCANIC & INTRUSIVE GABBROIC ROCKS

- €ba — Boninite & basalt pyroxenite
- €bm — Low Ti tholeiitic basalt & dolerite
- €g — Gabbro & dolerite
- €t — Tonalite, gabbro & diorite
- €sm — Tectonic melange

LAYERED ULTRAMAFIC SERIES

- €b — BRASSEY HILL SEQUENCE Harzburgite+-dunite/troctolite
- €s — PURCELLS PLAIN SEQUENCE Dunite/troctolite+-orthopyroxenite
- €k — GABBRO HILL SEQUENCE Harzburgite,orthopyroxenite & dunite
- €p — CAUDRYS HILL SEQUENCE Orthopyroxenite+-(dunite & harzburgite)
- €f — FENTONS SPUR SEQUENCE Dunite, harzburgite & orthopyroxenite
- €d — NINETEEN MILE CREEK SEQUENCE Dunite+-orthopyroxenite

- €ccb — Eocambrian sedimentary & basaltic volcanics
- Po — Precambrian sedimentary rocks
- Thrust
- Fault
- Prospect

0 500 1000 1500 2000 METRES

Map covered with 1000 metre Australian Map Grid, Zone 55. Contours interval 40 metres.

METALS EXPLORATION LIMITED

HEAZLEWOOD PROSPECT, TASMANIA
EL 21/85
Geology and Location Map

Grey base map photo enlarged by M.E.L. from Cleveland 7915-II 1:50,000 topographic sheet (provisional) by Lands Department.

Fig.No.: 3 — A.M.G. SK55-7915-11

DATE : 10/88 — Drg.No. 02/HZ/2/23

In addition, there is a zone of abundant dolerite dykes and sills on the eastern margin of the ultramafic sequences which may be feeders for the overlying mafic lavas. The HRC is in faulted contact with Devonian sedimentary sequences, suggesting that the last episode of tectonic re-emplacement was syn- to post-Devonian, and probably related to waning events of the Tabberabberan orogeny.

Facing criteria from cross-bedding in the layered ultramafic sequence suggests younging to the southeast and this is supported by the trend to more evolved rock types in this direction. The layered ultramafic sequence is up to 6km thick and the overlying volcanics have a maximum exposure of 3km making the HRC comparable to the Stillwater Complex of Wyoming and the Munni Munni Complex of Western Australia. However, in contrast to the stable cratonic setting for these stratiform complexes, the HRC was developed in a tectonically active environment. The presence of boninitic volcanic rocks in the HRC indicates that it probably formed at a convergent plate margin in a fore-arc environment. This model accounts for the presence of disrupted layers, faulted peripheral contacts and abundant internal faults and shears, and may explain the unusual distribution of volcanic rocks in the complex. A description of the HRC succession follows:

Nineteen Mile Creek Sequence:
This is the basal unit of the ultramafic sequence and extends across the western and northern margins of the HRC in faulted contact with Cambrian sedimentary rocks. The Nineteen Mile Creek sequence comprises over 90% serpentinised dunite with minor discontinuous layers of orthopyroxenite. Layering is poorly defined and the dunite is comprised of greater than 90% serpentine after cumulus olivine, cumulus chromite, and 1-5% relict olivine grains occurring as kernels surrounded by serpentine-group minerals. Chromite occurs as fine to medium-grained euhedral crystals included in later serpentinized olivine grains, disseminations adjacent to olivine grains, and as coarse aggregates of discontinuous (<1mm to several centimetres thick) schlieren. Orthopyroxenites occur as several centimetre-thick disrupted layers often mantled by sheared serpentinized dunite and having a nodular appearance. Orthopyroxene occurs as medium to coarse-grained cumulus crystals commonly displaying partial steatization and containing inclusions of earlier-formed chromite and rare relict olivine.

Fenton's Spur Sequence:
The Fenton's Spur sequence is transitional between the dunite-dominated Nineteen Mile Creek sequence and the orthopyroxenite-dominated Caudry's Hill sequence on the west side of the Main Break. This sequence of serpentinized dunite, serpentinized harzburgite and coarse-grained orthopyroxenite and olivine-orthopyroxenite occurs as well defined centimetre to metre-thick cumulate layers. The proportion of modal orthopyroxene increases steadily from the base to the top of the sequence. Chromitite schlieren are locally abundant near the base of the unit, particularly in the vicinity of Chromite Hill (south of Swordgrass Hill, figure 3).

Caudry's Hill Sequence:
This sequence of orthopyroxenites and olivine orthopyroxenites (Rubenach, 1973) also contains serpentinized dunite and harzburgite layers. It extends from the Heazlewood River in the south to the northern end of Caudry's Hill (figure 3). The more resistant orthopyroxenites crop out more than the olivine-rich cumulates. On Caudry's Hill medium to coarse-grained orthopyroxenite is interlayered with an approximately equal volume of olivine-rich orthopyroxenite, harzburgite and dunite. Chromite occurs as isolated, fine-grained cumulus crystals included in orthopyroxene and serpentinized olivine. Plagioclase is first recognized in the upper half of the Caudry's Hill sequence, occurring as an intercumulus phase in medium-grained plagioclase pyroxenite. The southeastern margin of the sequence contains abundant clinopyroxene-bearing plagioclase pyroxenites that grade upward into fine-grained pyroxenites. These fine-grained ultramafics may represent a chilled margin phase.

The appearance of plagioclase is coincidental with gabbroic segregations and auto-intrusions. The gabbroic rocks are coarse-grained to pegmatitic and consist of varying proportions of orthopyroxene, clinopyroxene and plagioclase producing a range of lithologies including norite, gabbronorite, leucogabbro and rare clinopyroxenite. They vary from several centimetres to several metres wide and up to several tens of metres in length. The larger bodies are dykes, and have tabular forms which commonly trend (110-160o) normal to the cumulate layering. However, the smaller gabbroic members occur as rootless veins which are often slightly oblique to layering.

Gabbro Hill Sequence:
This unit is recognized by the presence of abundant pegmatoidal ultramafic rocks, including poikilitic harzburgite, serpentinized dunite and orthopyroxenite. It immediately overlies the Caudry's Hill sequence, and is truncated on the northeastern side of Gabbro Hill by the Main Break (figure 3). It contains a large number of intrusive gabbroic bodies. The pegmatoidal textures in the ultramafics probably reflect crystallization in the presence of volatile-rich fluids.

The ultramafic rocks commonly occur as metre-thick cumulate layers. Orthopyroxene occurs as both cumulus (orthopyroxenites) and intercumulus (poikilitic harzburgites) grains that can exceed 10cm in length. Relict olivine crystals are observed in most harzburgite and dunite samples occurring as coarse-grained equant cumulus grains. Chromite occurs as medium to coarse-grained cumulus inclusions in both orthopyroxene and olivine. Intercumulus plagioclase and rare intercumulus clinopyroxene are locally present. The ultramafics grade to the south into an extensive zone of fine-grained plagioclase pyroxenite/dolerite which appears to be conformably overlain by the extrusive basalt/boninite suite.

A layered gabbroic sill occurs on the southern slope of Gabbro Hill (figure 3) which was apparently fed by a zone of leucogabbro, gabbronorite and rare clinopyroxenite dykes which extend from the top of the Caudry's Hill sequence adjacent to Roaring Meg Creek and across the western side of Gabbro Hill to the sill. The 'feeder' dykes outcrop over a width of 100m and form a semi-continuous zone south-easterly for 500m. Numerous gabbroic dykes, veins and pods intrude the Gabbro Hill sequence.

Purcell's Plain Sequence:
This extensive ultramafic sequence represents the major cumulate sequence on the eastern side of the Main Break (figure 3) directly abuting the Nineteen Mile Creek sequence. Poor exposure and overlying Tertiary basalt hinder the contact mapping. The Purcell's Plain sequence displays many similarities of lithologic variations and layering styles to the Gabbro Hill sequence and may have occupied a similar stratigraphic position.

The gabbroic rocks within the Purcell's Plain sequence are often coarse-grained or pegmatitic, and range in composition from plagioclase websterite and gabbronorite to gabbro, leucogabbro and anorthosite. The principal petrologic distinction between the Purcell's Plain and Gabbro Hill sequences is the greater abundance of intercumulus minerals (predominantly plagioclase and clinopyroxene) in the former.

Brassey Hill Sequence:
The Brassey Hill harzburgite sequence is the uppermost member of the layered ultramafic series. It is present on either side of the Main Break and extends approximately 5km in a northeasterly direction from the southeastern corner of the HRC until it is truncated by a zone of mafic to felsic intrusions. It comprises a series of massive to poorly layered poikilitic harzburgite (+/- plagioclase) interlayered dunite (+/- plagioclase) troctolite and orthopyroxenite. The upper part of the sequence contains abundant dolerite dykes and sills, and is overlain by low-Ti tholeiitic basalt. The harzburgites are highly serpentinized and contain 10-40% poikilitic orthopyroxene displaying medium-grained to pegmatitic textures (Brown, 1986). Plagioclase occurs primarily as an intercumulus phase, and minor amounts of fine-grained disseminated cumulus chromite occur in the rocks. A relatively thin NW trending belt of serpentinite cuts the pyroxenite 1km east of Heazlewood River bridge. It is schistose with intense development of slickensides (Groves, 1965).

There is a gradual increase in plagioclase content in the Brassey Hill sequence from the base to the top and it is intruded by abundant leucogabbronorite and anorthosite dykes. These dykes have locally spread out laterally and interacted with ultramafic liquids to form hybrid rocks, including chromitite (figure 3 and 4).

Volcanic and Related Rocks:
The mafic lavas overlying the ultramafic rocks along the southern and eastern margins of the HRC are low-Ti tholeiitic basalts and boninities related to the ultramafics. The basalts are characterized by fine-grained to aphanitic textures and contain rare relict quartz-carbonate amygdales. They display lower-greenschist facies metamorphic mineral assemblages and locally contain abundant secondary sulphides (pyrrhotite, pyrite and chalcopyrite), [Creenaune, 1980].

Two small intensely folded exposures of "baked" red brown mudstone occur within pyroxenite near Old Jasper Mine which may be rafted remnants of roof sediments. Nearby, altered basalts, containing large ovoid amygdales of quartz with minor carbonate in a groundmass of fine interlocking needles of actinolite and interstitial quartz, occur with the pyroxenite.

ALTERATION ASSEMBLAGES

Serpentinites

The HRC is variably serpentinized, the bulk of the dunites and harzburgites have been replaced by an undeformed, dull-lustred, black serpentine which approaches lizardite in composition. Chrysotile is an abundant phase along cumulate boundary layers, particularly those which display a large difference in competence between adjacent layers (e.g. massive orthopyroxenite against dunite). Antigorite occurs, associated with chrysotile, along the basal thrust zone.

Along faulted contacts (shear) all three minerals occur and opaline silica is an accessory. Antigorite occurs with chlorite in the shear zones which host the Ni-sulphide mineralization at the Lord Brassey Mine (Williams, 1958).

Within the Nineteen Mile Creek dunite and associated plagioclase dunite, however, an apple-green serpentine consisting of lizardite and brucite is predominant. This probably reflects the affinity of brucite for olivine-rich rocks.

Sausseritization and Garnetization

The gabbros, microgabbros, dolerite and trem-act anorthosite dykes have been variably altered to sausserite-uralite (i.e. epidote, prehnite, vesuvianite, zoisite and other hydrous lime silicates). These assemblages have also replaced most of the plagioclase occurring interstitially within some ultramafic rocks and occur in the mineralized shear zones cutting altered gabbro/dolerite dykes.

These assemblages reflect an increase in the CaO content of the altered rocks. Alteration of the surrounding mafics and the interstitial Ca-bearing plagioclase may have been responsible for the release of Ca-rich metasomatic fluids. Hydrogrossular from the Lord Brassey mine has an appreciable ferro-magnesian component, possibly from the mafics (Ford, 1970).

CHROMITE AND PLATINUM GEOCHEMISTRY

D. Peck, (University of Melbourne) has been investigating the chromite and platinum geochemistry from the HRC. This work indicates that chromite ranges in composition from metallurgical to refractory grade at Fentons whilst only refractory grade chromite occurs at North Brassey Hill and Chromite Ridge.

Alloys of Os, Ir, and Ru fall in the compositional fields of ruthenirídosmine, iridosmine (most abundant) and osmiridium (Table 1). Peck (pers. com.) agrees with Ford 1981, that the presence of unaltered olivine and pyroxene crystal inclusions in the larger P.G.M. grains is suggestive of a primary origin for the alloys.

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TABLE 1

PRECIOUS METAL MINERALOGY OF CHROMITITES FROM THE HEAZLEWOOD RIVER COMPLEX

A. HEAZLEWOOD RIVER COMPLEX
1. NORTH BRASSEY HILL CHROMITITES

SAMPLE #	COMPOSITION	MINERAL NAME	DESCRIPTION	GRID REFERENCE	APPENDICES
8796-297	RuS2	laurite	5 μm inclusion in chromite; unaltered	1890N/1190E	5A
8796-298	Pt>Fe	Pt-Fe alloy	10μm grain in uvarovite; altered	1890N/1190E	5A
8796-299	Rh-Ir-As-S	Ir-hollingworthite(?)	15μm grain in serpentine; altered	1890N/1190E	5A
	Pt>Fe>Ni>Cu	Ni-tulameenite(?)	10μm grain in serpentine; altered		
	Rh>Ni>Fe=Ir=As	not established	rim enclosing hollingworthite		
	Au	native gold	10μm cube in serpentine; altered		
	RuS2	laurite	10μm octahedron in chromite; unaltered		
8796-300	RuS2	laurite	5μm hexagon in chromite; unaltered	1890N/1190E	5A
8796-302	Au	native gold	10μm grain in serpentine; altered	1875N/1200E	5A
8796-304	(Rh>Pt>Ni>Fe) =(As>S)	not established	8μm grain in uvarovite; altered		
	Pt>Fe>Ni	Pt-Fe-Ni alloy	rim enclosing Rh-Pt grain (above)		
	RuS2	laurite	10μm cube in chromite; unaltered		
8796-307	RuS2+ minor Os	osmian laurite	15μm grain in serpentine + uvarovite; -intergrown with Co-Ni-Fe sulfide	1880N/1200E	5A
8796-308	(Pt>Rh>Ni)+As	not established	25μm grain in serpentine; altered -variable composition with tr. Ir,S,Fe	1885N/1210E	5A
	Pt+Rh+As with minor Fe,Ir,S	not established	30μm grain in serpentine; altered -variable composition		
8796-309	Pt>Ni>Fe=Rh	not established	5μm grain in uvarovite; altered -variable composition	1875N/1220E	5A
8796-311	Ru with minor Os+Ir	native ruthenium	10μm hexagon in chromite; unaltered	1855N/1235E	5A
	Au	native gold	15μm grain in chromite; altered		
8796-312	(Co>Ru=Ni)+As	not established	10μm grain in serpentine; altered	1850N/1240E	5A

2. FENTON'S AREA CHROMITITES

SAMPLE #	COMPOSITION	MINERAL NAME	DESCRIPTION		
8796-260	Pt>Fe=Ni	Pt-Fe-Ni alloy	15μm grain in serpentine; altered	1950N/1900E	1A
8796-360	Au>Ag=Cu=Zn	Cu-Zn electrum	15μm grain in chromite; altered		1A

SPECIFIC SURVEYS

Within the licence, six Prospect areas were examined (Fentons area, Purcells Prospect, Caudrys Prospect, Brassey - North Brassey area, Burgess area and Jasper Prospect) during the current field season. A summary of activities at each prospect follows with the necessary support reports in the appropriate appendix.

(a) **Fentons Area** (Appendix 1)

Mapping and rock chip geochemistry

Grid mapping initiated last field season was completed (Appendix 1A). Rock chip samples collected from the grid returned anomalous Pt, Ir, Os, Ni, Cr and patchy gold results (Appendix 1B) and Table 2.

TABLE 2

PGE ANALYSES FROM FENTONS

Sample No.	Co-Ordinates	Description	Au ppb	Pt ppb	Pd ppb	?Ru Re ppb	Rh ppb	Ir ppb	Os ppb
8796-259	1600N/1700E	Chromite (3%) in Orthopyroxenites	22	11	4.5	10	2.5	2.5	<2
8796-260	1950N/1900E	Chromitite Schlieren	2	550	32	66	78	9.5	8
8796-260 DUP		(15%) in Harzburgite	<2	470	24	46	62	5.5	<2

Note: Samples located on maps in Appendix 1A

Continued mapping has delineated the geological features, the more important being the broad north-west trending fault zone of Main Break (with a low magnetic character), the sheared contact between pyroxenite and the dunite sequence in the valley east of Swordgrass Hill and the dunite-harzburgite intermixed zone of Chromite Hill with its strong distinctive magnetic character. This intermixed zone continues east of the grid, (Appendix 1A and 1C). The central portion of the grid consists mainly of a North-South striking sequence of interlayered and partly intermixed dunite, harzburgite and pyroxenite which extend from Fentons Ridge to Bald Hill.

Enclosing this central zone on the northern and western sides is a unit of uniform dunite. Podiform chromitites are more prevalent in the layered sequence and the anomalous PGE rock chip assays occur in this sequence. The highest value obtained was from sample 300032 on line 1400 N where coarse grained chromitite float contained 6.1 ppm total PGE (mainly Ru, Ir and Os). Another sample of chromitite float (300031) on line 1550 N, contained elevated PGE (298 ppb) with Ru the most abundant, at 160 ppb. Both these chromitites appear to be derived from the interlayered sequence. On line 2100 N, on the south eastern slope of Chromite Hill two samples of chromitite and chromite-rich bands within interlayered dunite/harzburgite/pegmatitic pyroxenite (300037, 300038) yielded Pt anomalies of 250 ppb and 590 ppb respectively with only moderate elevation for the other PGEs.

Elevated gold occurred in association with sulphides in samples 300000 (serpentinite vein with 24 ppb Au) and 300045 (serptinised dunite with 12 ppb Au). 22 ppb Au was found in an ironstone (300004) on Chromite Hill, line 2200 N - and the highest gold value encountered (88 ppb, 300044) was in mottled serpentinised dunite (leopard rock) on line 3100 N.

Magnetics

A ground proton precession magnetic survey was undertaken over Fentons grid. The raw data and the preliminary contoured maps appear in Appendix 1C. Whilst broad geological boundaries and fault zones can be recognised, full interpretation of the data is pending.

Trenching

3936m of trenching was undertaken with eleven trenches being completed, Appendix 1D. The trenches were sited to provide continuous exposure, establish background PGE profiles of the major rock associations mapped on the grid and to test the zones where chromitites and major linear structural features occurred. Each trench was mapped and surveyed with a proton precession magnetometer, Appendix 1D.

Continuous rock chip (3m) channel samples were taken from either the floor or walls (where the floor was under water) of each trench. The samples were assayed by Comlabs-Adelaide and Analabs-Perth, for gold, the six PGEs, nickel and chromium.

TABLE 1

PRECIOUS METAL MINERALOGY OF CHROMITITES FROM THE HEAZLEWOOD RIVER COMPLEX

A. HEAZLEWOOD RIVER COMPLEX

1. NORTH BRASSEY HILL CHROMITITES

SAMPLE #	COMPOSITION	MINERAL NAME	DESCRIPTION
8796-297	RuS2	laurite	5 µm inclusion in chromite; unaltered
8796-298	Pt>Fe	Pt-Fe alloy	10µm grain in uvarovite; altered
8796-299	Rh-Ir-As-S	Ir-hollingworthite(?)	15µm grain in serpentine; altered
	Pt>Fe>Ni>Cu	Ni-tulameenite(?)	10µm grain in serpentine; altered
	Rh>Ni>Fe=Ir=As	not established	rim enclosing hollingworthite
	Au	native gold	10µm cube in serpentine; altered
	RuS2	laurite	10µm octahedron in chromite; unaltered
8796-300	RuS2	laurite	5µm hexagon in chromite; unaltered
8796-302	Au	native gold	10µm grain in serpentine; altered
8796-304	(Rh>Pt>Ni>Fe) =(As>S)	not established	8µm grain in uvarovite; altered
	Pt>Fe>Ni	Pt-Fe-Ni alloy	rim enclosing Rh-Pt grain (above)
	RuS2	laurite	10µm cube in chromite; unaltered
8796-307	RuS2+ minor Os	osmian laurite	15µm grain in serpentine + uvarovite; -intergrown with Co-Ni-Fe sulfide
8796-308	(Pt>Rh>Ni)+As	not established	25µm grain in serpentine; altered -variable composition with tr. Ir,S,Fe
	Pt+Rh+As with minor Fe,Ir,S	not established	30µm grain in serpentine; altered -variable composition
8796-309	Pt>Ni>Fe=Rh	not established	5µm grain in uvarovite; altered -variable composition
8796-311	Ru with minor Os+Ir	native ruthenium	10µm hexagon in chromite; unaltered
	Au	native gold	15µm grain in chromite; altered
8796-312	(Co>Ru=Ni)+As	not established	10µm grain in serpentine; altered

2. FENTON'S AREA CHROMITITES

SAMPLE #	COMPOSITION	MINERAL NAME	DESCRIPTION
8796-260	Pt>Fe=Ni	Pt-Fe-Ni alloy	15µm grain in serpentine; altered
8796-360	Au>Ag=Cu=Zn	Cu-Zn electrum	15µm grain in chromite; altered

The 3m channel samples outlined two significant anomalous zones, the larger of which occupies a strike of 1.4km (width 250m), while the smaller zone extends some 400m (width 100m), Appendix 1E. Table 3 below, contains some of the significant 3m channel results while the individual trench maps in Appendix 1D contain the full data set. The trench maps show that the magnetics delineate the major rock units and identify the mixed chamber zone but does not identify the mineralized zones.

TABLE 3

TRENCH NO.	SAMPLE NOS.	INTERVAL	ASSAY g/t PGE
FT2		3m	5.8 Os ✓
FT3		4m	1.03 Pt
FT5	725043-725053	33m	0.13 Pt
"	725080-725085	18m	0.14 Pt
"	725095-725099	18m	0.17 Pt
"	725130-725131	6m	6.7 Pt ✓
"	755132	3m	0.4 Pt
FT6		6m	0.15 Pt
"		6m	0.10 Pt

Anomalous 3m channel samples have been re-sampled at 1m intervals (Appendix 1F) and 2m radius rock chip samples (25m centres) have been collected on grid lines to establish the continuity of the platinoid anomaly. Threshold values to determine anomalous populations have been calculated from assay data by plotting cumulative frequency distributions (Appendix 1G) and accepting the 75 percentile value as threshold.

Pt	Pd + Ru + Rh	Os + Ir	Ni	Cr
20ppb	20ppb	5ppb	3000ppm	700ppm

The 5.8 g/t osmiridium in trench FT2 is due to surface concentration effects in gravels as these values were not repeated in fresh rock.

The significant assays from the 2m radius rock chip sampling at 25m centres were:

Sample No.	Pt g/t	Sample No.	Pt g/t
726476	0.13	727054	0.12
726477	0.11	727056	0.10
726493	0.12	727066	0.12
727039	0.11	727106	0.14
727040	0.14		

More importantly, of the 193 2m radius rock chip samples collected, 9 (4.6%) samples are significantly anomalous (>100 ppb Pt), a further 49 (22.3%) samples are anomalous (>33 ppb Pt). These samples establish the continuity of the platinum anomaly between trenches (Appendix 1E). A summary of the geology in the trenches follows:

FT 13, 12, 10, 7

These trenches are cut entirely in the Nineteen Mile Creek Dunite, a very uniform green to olive, usually soft, partly weathered serpentinised to partly serpentinised dunite, consisting of olivine and chromite, and with the original mesh texture often preserved. Background chromite ranges from 1-5%, occasionally reaching 20%, and rarely occurring as thin lenses and bands of coarse grained chromitite. This lithology is characterised by a flat featureless magnetic profile and an overall low (15-35 ppb) PGE and gold content.

FT 11

Interlayered dunite/harzburgite with dunite being the dominant lithology by approximately 4:1. A background of disseminated chromite ranges from 1-5%, occasionally reaching 10-20%. The magnetics are spikey and variable, in strong contrast to the uniform dunite sequence. Total PGE background levels of 10-30 ppb occur. A subtle erratic ruthenium elevation of 2-5 times background is common.

FT 9

Interlayered dunite/pyroxenite/harzburgite occurs from 0-60m and then uniform dunite is intersected to the end of the trench. Magnetics differentiates between the dunite (flat uniform 61-62 000 nT) and the interlayered sequence (spikey but generally elevated, average 65 000 nT) which also has higher background Au, Pt, Pd and lower Ni values.

Local anomalies occur in the dunite at 315-318m (220ppb Pt) and at 333-336m (166ppb Os + Ir, background of 2-20 ppb). Both anomalies occur where the trench cuts alluvial gravels adjacent to Fentons Creek.

FT 8

FT8 intersects the interlayered dunite/pyroxenite/harzburgite from 0-190m and uniform dunite from 190m to the end of the trench. The interlayered sequence is interrupted by a dunite unit from approximately 35-70 metres. This unit is reflected by a flat (although elevated relative to the major dunite unit) magnetic profile and reduced background PGE grade, in particular platinum. The most striking feature of the assay profile are the elevated platinum values in parts of the interlayered sequence, particularly those containing chromitite bands and lenses. A 24m interval (0-24m) averages 168 ppb Pt and a second anomaly between 93-126m averages 97 ppb Pt. The best interval (3-6 metres) of 450 ppb Pt indicates that this trench should be extended to the west.

FT 6

FT6 intersects dunite from 0-100m with a magnetic profile that is not quite as flat as for uniform dunite units in other trenches. The interval 100-290m consists of interlayered dunite/pyroxenite/ harzburgite with dunite being the dominant lithology, and is characterised by frequent zones of intense serpentinisation. Chromite is typically 1-5%, with local spot values to 15% and occasional thin chromitite lenses. Elevated Pt + Pd values (28-92 ppb) occur between 110 and 140m near the contact between the dunite sequence and the pyroxene-bearing interlayered sequence.

FT 5

FT5 contains 410 metres of interlayered dunite, pyroxenite and harzburgite (all lithologies occur in approximately equal amounts) which contains 1-5% disseminated chromite plus occasional chromitite seams. This trench contains the best hard rock PGE anomaly - 9 metres at 4 ppm Pt (387-396m) or 6 metres at 5.8 ppm Pt.

Other anomalous Pt zones occur at 130-160 metres (3 metre composites ranging from 88-175 ppb), 237-255m (82-220 ppb), 287-306m (68-210 ppb), 360-372m (59-170 ppb) and 399-402m (300 ppb). A consistent characteristic of these anomalies is that only Pt is enriched. Some correlation occurs between high magnetic response and Pt enrichment with significant magnetic spikes between 140-160 and 370-390 but several of the Pt anomalies show minor magnetic response.

FT 3

This 573 metre trench is divided into two dominantly uniform dunite units (0-200m and 280-355m) and two units of interlayered dunite/pyroxenite/harzburgite (200-280m) and 355-573m). The magnetic profile does not differentiate the 200-280m interlayered zone but clearly delineates between the uniform dunite and the main pyroxene-bearing sequences, showing a boundary at approximately 340 metres. Enriched PGE values occur between 375-381m (635 ppb total PGE over 6 metres) and is strongly anomalous in Ir + Os with lesser Pt. It correlates with locally rich (10-20%+) coarse, partly banded chromite and a highly magnetic zone.

FT 2

The interlayered dunite/pyroxenite/harzburgite sequence at the eastern end of the trench tends to be more magnetic and variable than the interlayered sequence between 260 and 340 metres. A very strong magnetic anomaly occurs between 760 metres and the end of the trench. No precious metal anomalies (as with FT3) occur in this zone. The only gold anomaly on the Fentons Grid occurs at 642-645m (760 ppb Au) in dunite/ harzburgite with abundant talus including honeycombed chalcedony.

A very strong Os + Ir anomaly occurs at 66-69m with 5.6 ppm osmiridium but as the trench cuts alluvial sediment at this locality it suggests that detrital osmiridium was sampled from Cainozoic sediments. This interpretation was confirmed by bedrock sampling which did not contain elevated PGE values. A similar but more subtle anomaly (79 ppb Os + Ir) occurs at 156-159 metres.

Diamond Drilling

At Fentons Knob field mapping located an alteration zone 60m long and 2.3m wide of altered and brecciated dunite containing up to 10% Ni sulphides (Ni content up to 1.23%). The breccia contains abundant serpentine and magnetite veins.

A diamond hole was collared at 357804.4mE, 5410873.5mN, R.L. 397.5m and inclined at -60o towards azimuth 041.5o magnetic. It was designed to determine the subsurface continuity of the mineralized zone which was thought to be a pipe like structure.

Results

Drill logs, assay data and a cross-section are given in Appendix 1H. The breccia zone was encountered between 14-30m, steeply dipping at 75o to the southwest. There were no visible Ni-sulphides in the core and assays returned background Ni and P.G.E. values.

Results suggest the elevated Ni values found at the surface (average 3x background values) were due to surface weathering.

Conclusions from drilling FKD-1 are:

1. The breccia is formed by an increased intensity of serpentine + magnetite veining and is related to the pervasive serpentinisation through the host dunite. Veining of various intensities, including brecciation, has since been mapped in several locations in the trenches within the Nineteen Mile Creek Dunite unit.

2. Fissility, close to normal to the axis of the hole, appears to be a weathering or unloading effect imposed on existing structure. In the upper, weathered zone of the hole, there is evidence of fissility planes controlling the spread of serpentinite veining. This is partly masked by MnO_2 precipitation from ground water. In the trenches significant amounts of fissile dunite occur, often blocky and joint controlled. This is mirrored in the core. The fissility shows several attitudes, all oblique and discordant to primary mineral layering. Primary layering, at a high angle to the core axis is defined by minor bands of pyroxenite and pyroxene-rich harzburgite.

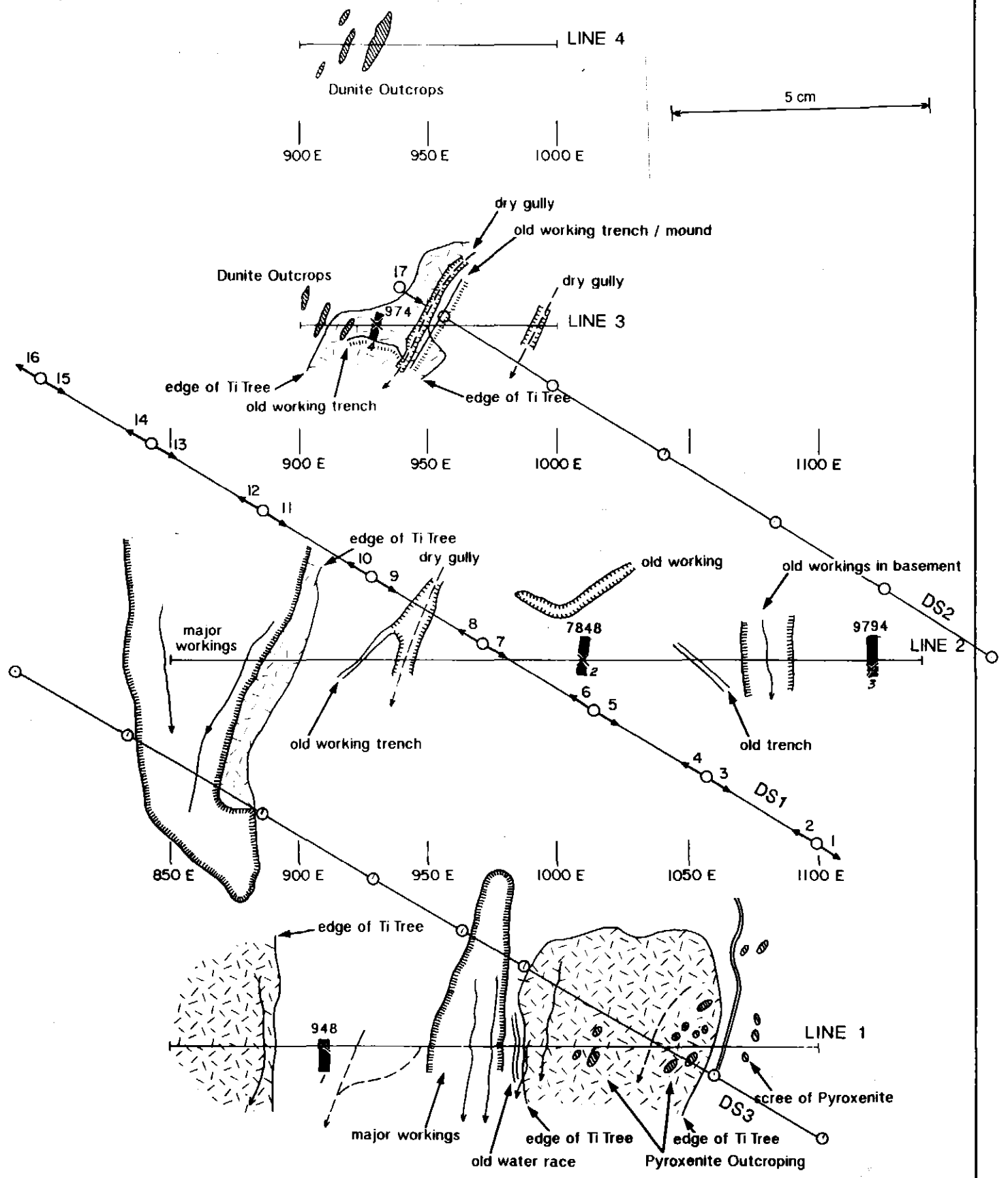
3. It is not clear whether apparent differences in level of serpentinisation are due entirely to weathering. In drill core and trench FT6 good evidence exists of cores of "serpentinised" rock with rinds of "non serpentinised" dunite. Weathering seems to etch out the original dunite texture making the rock appear to be relatively unserpentinised and giving it a sandstone-like appearance. The level of serpentine minerals appears constant in both weathered and unweathered lithologies.

4. Irregular veins and discordant clots of apparently secondary carbonate are common in the lower part of the section drilled.

(b) Purcells Prospect (Appendix 2)

Hand auger drilling in the Year 2 programme produced four anomalous (>1 ppm) PGE sites in the shallow superficial cover of eluvial detritus and peat at Purcells Prospect on Bald Hill. Each of these sites was costeaned with the costeans being elongated parallel to the auger grid base line (020 Mag.). A series of channel samples were cut normal to the costean orientation thus giving repeated sections approximately normal to the strike of primary layering in the serpentinised pyroxenite bedrock (figure 4). A total of 41 channels were cut with each 3kg channel sample representing 1.5m section (Appendix 2A).

The results show no anomalous PGE content. All samples recorded below detection osmium and iridium values, while platinum ranged from 1.5 to 9.5 ppb. The highest gold values were 4 ppb (PC19, PC20) and nickel was slightly elevated in Costean 4.



LEGEND

14 13 Drillhole PP13 & PP14

Planned but not completed drillhole

948 Total PGE in ppb

2 Costean

MN GN 20°

0 20 40 60 80 metres

Scale 1:2000
Date 10/88

METALS EXPLORATION LIMITED

HEAZLEWOOD, TASMANIA
EL 21/85

PURCELLS DRILLING 1988 and COSTEAN LOCATION

Fig.No.: 4
Drg No 02/HZ/1/14

The channel sampling showed no correlation with the auger anomalies and it is probable that the latter arose from either transported detrital PGE grains or in situ PGE precipitates related to soil forming or lateritic processes. The costeans have been filled in compatable with the existing surface.

Outcrop exposed in shallow workings approximately 20 metres WNW of Costean 3 shows minor serpentinised dunite lenses and thin bands (5-10cm) interlayered with pyroxenite, which is by far the dominant lithology in the area of Purcells working. These thin dunites in places carry trains and thin lenses (maximum 1 cm) of coarse grained sub-to-euhedral chromite and minor very fine accicular and stellate sulphide (probably pyrite). The dunites exhibit a characteristic texture with dark and light coloured wavy banding, similar to flaser bedding in sedimentary lutites. This banding was not observed in the "Nineteen Mile Creek Dunites" or in any of the rocks in the Burgess and Brassey areas. Several rock chip samples of the lithologies adjacent to Costean 3 were submitted for assay, and the results are presented in Table 4.

TABLE 4

SAMPLE NO.	DESCRIPTION	[ppb Au	Pt	Pd	Ru	Rh	Ir	Os]	[ppm Ni	Cr	Cu]
145376	Interl. Dun/OPX +/-Cr +/-Py	36	2	17	5.5	1.5	0.5	<2	1360	300	32
337	"	10	1.5	7	6.5	1	0.5	<2	1260	390	13
378	"	6	1.5	5	5	1	0.5	<2	1240	270	6
379	"	20	2	12	6	1	<.5	<2	1620	185	3
380	"	20	3	12	6	2	1	<2	1480	460	3
381	"	8	1.5	8	12	1.5	0.5	<2	1320	500	2
382	"	18	2	12	6.5	1.5	0.5	<2	1600	410	5
383	OPX	4	4	3	3	1	<.5	<2	230	320	3
384	Dun. + Cr	6	3	4	13	2.5	1	<2	1320	970	6

Although no anomalous PGE values were returned, the presence of chromitite layers and pyrite, together with the unexplained source of the auger anomalies, justified a fence of drill holes covering the complete section across Bald Hill.

TABLE 5

Burgess area & North Brassey Chromitite prospect

DETAILS OF ANALYSES OF MAGNETIC SEPARATION PRODUCTS - ROCK SAMPLES

Sample	Size Fraction um	Product	Weight (grams)	Weight %	Analyses Data in ppm unless stated otherwise						
					Au	Cr %	Co	Ni	Cu	Pd	Pt
A	+ 106	Mags	940	14.17	<0.005	25.9	154	530	4	<0.005	<0.05
		Non Mags	67	1.01	0.635	4.03	32	135	234	<0.005	<0.05
	- 106 + 53	Mags	4301	64.81	<0.005	27.2	171	590	14	<0.005	<0.05
		Non Mags	345	5.20	0.994	17.3	110	330	182	<0.005	<0.05
	- 53	Mags	647	9.75	0.117	27.0	163	990	47	<0.005	<0.05
		Non Mags	336	5.06	0.750	26.2	154	470	66	<0.005	<0.05
			6636	100.00							
B	+ 106	Mags	3800	35.13	0.020	32.8	148	530	6	<0.005	0.20
		Non Mags	153	1.41	0.980	14.4	75	920	30	<0.005	<0.05
	- 106 + 53	Mags	5130	47.42	0.009	32.8	155	610	3	<0.005	0.23
		Non Mags	366	3.38	0.416	28.0	169	610	24	<0.005	<0.05
	- 53	Mags	940	8.69	0.058	32.2	172	920	21	0.014	0.80
		Non Mags	429	3.97	0.235	31.7	165	650	11	<0.005	<0.05
			10818	100.00							

720026

Drilling

Seventeen holes, totalling 725m, were drilled over the Purcells Prospect using a Halco airtrack percussion drill rig. Figure 4 details the drillhole locations while all 3m composite sample assay data, drill logs and the relevant cross sections, are located in Appendix 2B. The rock types intersected by the drilling consist predominantly of pyroxenite with rare harzburgite and dunite. The assays returned low values (max. 0.38 g/t total PGE). Hole 17 on drill traverse two was sited because of magnetics and to test the contact between harzburgite and pyroxenite. No elevated PGE response was returned.

Magnetics

Ground proton precession magnetic studies were undertaken over the two proposed drill lines (Appendix 2C) to aid drill site location. The data only delineated one prospective area (drill hole 17) due to the dominance of pyroxenite.

(c) Caudrys Prospect (Appendix 3)

Nine holes, totalling 502m were drilled at Caudry's using a Halco airtrack percussion rig. The holes were drilled to intersect the shear zone at shallow depths and to locate a hard-rock source for the alluvial osmiridium. Drill hole locations are presented in Appendix 3A while the cross-sections and assays are included in Appendix 3B. Rock types intersected by the drilling consisted of dunite, pyroxenite and harzburgite. Traces of native copper were found in drillholes 2-6, but no platinum group metals were observed.

Assays from drillholes 1-5 were disappointingly low with a maximum combined PGE of 55ppb in drillhole 5, 9-12m. Assays from drillholes 6-9 are pending.

(d) Burgess Area (Appendix 4)

A swarm of linear-in-outcrop chromitite/mixed lithology pematitic zones was mapped on Burgess Grid in Year 2 and considered on theoretical grounds to be the main target for PGEs despite the absence of alluvial creek workings and stream sediment anomalies (Appendix 4A).

Two bulk samples (40kg) of chromitite rich float fragments (mainly cobble size) were collected from Burgess Area and North Brassey chromitite Prospect and forwarded to AMMTEC, Western Australia for metallurgical investigations. Each sample was crushed, ground, density separated and split into six fractions on the basis of magnetic susceptibility and grain size. Each fraction was assayed for Au, Cr, Co, Ni, Cu, Pd and Pt, (Table 5). The results were disappointing with the highest assays being 0.81 ppm for Pt + Pd (Sample B, magnetic -53 micron) and 0.99 ppm for gold (Sample A, non-magnetic -106+53 micron fraction). The unweighted mean gold content of the non magnetic fractions was 0.79 ppm for Sample A and 0.54 ppm for Sample B. Overall the mean combined Pt + Pd content is <0.05 ppm for Sample A and approximately 0.2 ppm for Sample B. Chromium contents average around 30% of the magnetic fraction in all cases (Appendix 4B).

Several 5-10 kg samples were taken from the chromitite zones and the samples were processed through Comlabs and Analabs and results are summarised in Table 6 (145374 - 145388).

TABLE 6

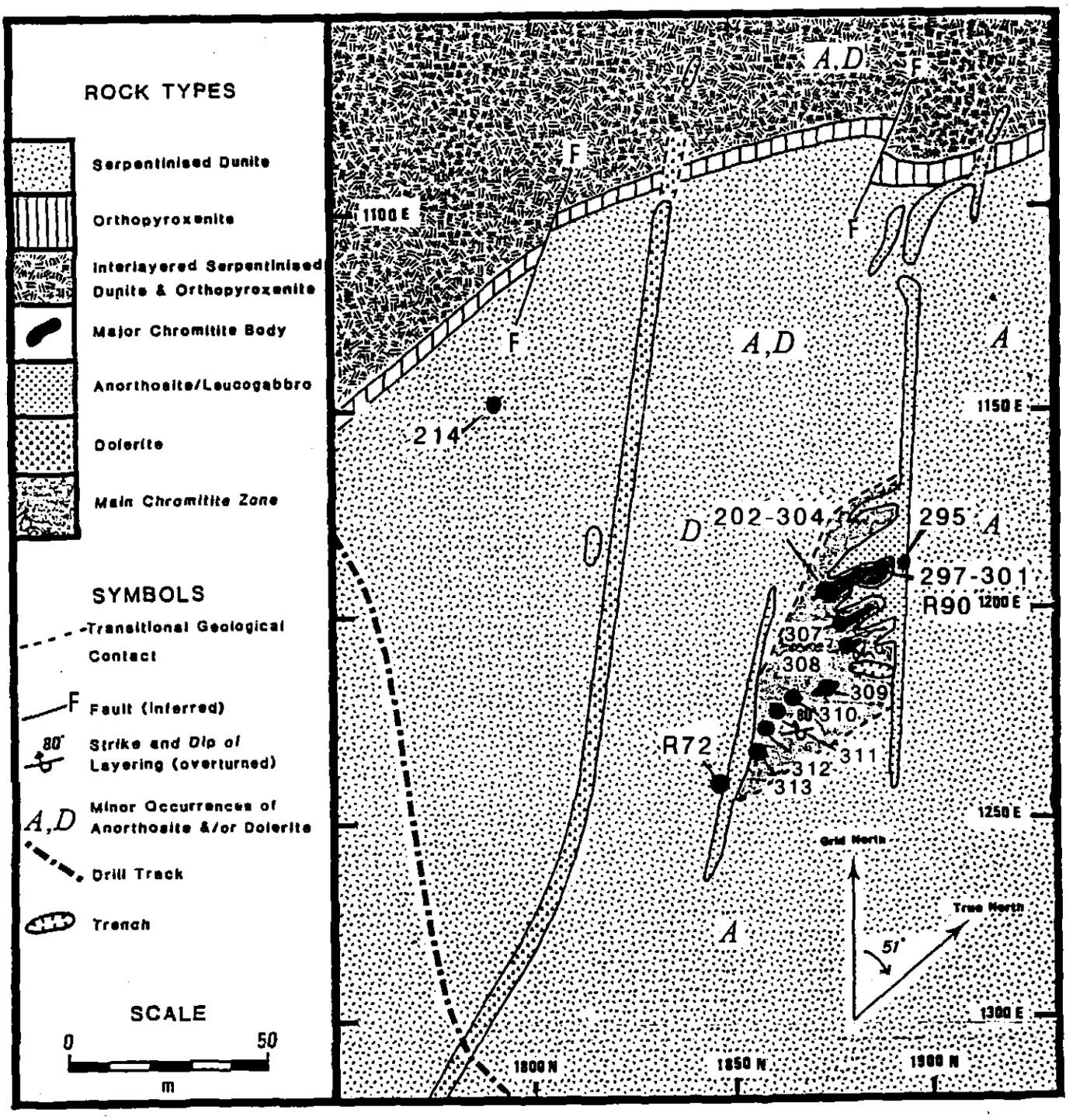
SAMPLE NO.	DESCRIPTION	TOTAL PGE (ppm)
8796-211	Chromitite (30%) in altered PPH*	0.645
8796-219	Chromitite (3%) in altered PPH	0.530
8796-224	Chromitite (5%) in pegmat. Norite	0.517
8796-225	Chromitite (50%) and PPH	0.743
145374	Chromitite	0.013
145375	Chromitite	0.056
145387	Interl. Dun, OPX + ?pyrite	0.016
145388	Cr. OPX Breccia	0.094

* PPH = Pegmatoidal Plagioclase Harzburgite

Forty nine rock chip samples were collected from the Burgess grid area. Sample locations and assays are given in Appendix 4A and 4C. The assays generally returned low values except for the first four samples contained in Table 6.

Trenching

Two trenches totalling 525m in length were dug across the prospective chromitite units, a zone containing a NE-SW striking swarm of parallel linear chromitite/pegmatitic pyroxenite, gabbro-norite and troctolite mixed lithology breccias. Assay results of 3m composite samples are detailed on the trench maps in Appendix 4D. A summary of results follows.



5 cm

METALS EXPLORATION LTD.			
Project: HEAZLEWOOD EL. 21/85 Tasmania			
Title: GEOLOGICAL MAP of North Brassey Chromitite Zone.			
Author	Date 10/88	Scale 1 : 1,400	
Drawn JB.	Office PER	Revised	Date
Drawing No. 02/HZ/2/25		Fig. No. 5	

TABLE 7

BRASSEY GRID SAMPLES PGE, Cu, Ni, Cr ANALYSES (+/- S & Zn)
(COLLECTED BY D.C. PECK, GEOLOGY DEPT., MELBOURNE UNIVERSITY)

SAMPLE NUMBER	ROCK TYPE DESCRIPTION	GRID REFERENCE	Au ppb	Pt ppb	Pd ppb	Ru ppb	Rh ppb	Ir ppb	Os ppb
8796-R72	Massive fine-grained Chromitite	Replicates	6	1.0m	72	520	240	110	86
8796-R90	Massive fine-grained Chromitite		6	210	18	560	130	96	60
8796-285	Chromitite seams (20%) in Gabbronorite	1700N/1580E	<2	21	9.5	18	14	4.0	<2
8796-295	Anorthosites (trace of native copper)	1895N/1190E	8	13	3.0	12	2.5	1.0	<2
8796-297	Chromitite Layers (50%) in PPH*	1890N/1190E	<2	340	10	140	53	24	2
8796-298	Chromitite	"	<2	400	18	170	65	30	26
8796-299	Chromitite (90%) and PPH	"	4	210	8.5	130	42	27	16
8796-300	Chromitite (50%) and PPH	"	<2	78	12	130	29	17	10
8796-301	Chromite (5%) in PPH	"	<2	19	4.0	13	3.5	2.0	<2
8796-302	Interlayered Chromitite (40%) + PPH	1875N/1200E	<2	28	11	96	17	16	16
8796-303	Pegmatitic Norite	"	<2	3.5	3.0	1.0	0.5	0.5	<2
8796-304	Interlayered Chromitite (70%) + PPH	"	2	23	10	130	21	16	16
8796-304DUP			<2	24	9.5	150	24	19	16
8796-307	Interlayered Chromitite (70%) + PPH	1880N/1200E	<2	16	6.0	150	23	17	10
8796-308	Interlayered Chromitite (80%) + PPH	1885N/1210E	<2	48	3.0	140	31	19	20
8796-309	Chromitite	1875N/1220E	4	180	26	130	40	20	20
8796-310	Chromitite	1855N/1230E	<2	310	10	120	47	17	20
8796-311	Interlayered Chromitite (50%) + PPH	1855N/1235E	<2	9.5	3.0	33	4.5	3.0	<2
8796-312	Interlayered Chromitite (50%) + PPH	1850N/1240E	<2	13	5.0	31	6.0	4.0	4
8796-313	Chromitite	1855N/1245E	<2	35	2.0	82	26	10	10
8796-214	Chromitite	1780N/1170E	14	170	11	620	150	110	96
225996			<2	160	1.5	29	4.0	66	30
225997			<2	3.0	1.0	39	3.0	21	20

* PPH = Pegmatoidal Plagioclase Harzburgite

B.U. 2
This trench (143m) intersected the prospective sequence of serpentinised interlayered harzburgites, dunites and pyroxenites but only one of the chromitite breccia zones was sampled, suggesting that these bodies are concordant with the primary mineral layering, but discontinuous.

B.U. 3
This trench (223m) parallel to B.U. 2 intersected similar lithologies with chromitite-bearing rocks at 220 metres, 135 metres (probably float) and 10 metres (float). Mixed lithology breccias and pegmatites, showing evidence of magmatic mixing but without chromite (at least locally) occur at 78 metres and 30 metres.

Neither of the trenches returned significant PGE results indicating that the elevated PGE values found within the chromitites do not extend into the adjacent rock units.

Magnetics

Magnetic profiles along the trenches are shown on the trench maps in Appendix 4E. Ground magnetics have been undertaken on the grid but a detailed assessment is pending.

A dighem II anomaly located on Burgess Grid and interpreted to be a shallow conductor requires further investigation.

(e) Brassey Hill / Brassey North area (Appendix 5)

One hundred and twenty two rock chip samples were collected from the Brassey grid area. Sample locations and assays are detailed in Appendix 5A and 5B and figure 5. Fifteen samples assayed >100 ppb combined PGEs with 13 of these occurring within the chromitite units (maximum 2.2 PGE g/t : sample 8796-R72). The chromitite units were targetted in the drilling programme.

Two rock chip samples assayed anomalously high for Au and Cu (231060:2.5% Cu, 4.3g/t Au, 231061:8.0% Cu, 18.3g/t Au) from the mixed chamber zone. However, a follow-up 2m radius rock chip sampling programme indicated that the mineralization was discontinuous and of limited extent (Appendix 5A).

Some high assays for Cu, Pb, Zn and Ni were recorded in samples collected from the old mines on Brassey (231131:15% Pb, 3.9% Zn, 231136:3.3% Pb, 7.4% Zn, 231064:4.7% Ni). At this stage no further work is planned as previous exploration [Groves 1966] (Amax and Theseus Exploration) suggests that each of these mines are located on small discontinuous orebodies and therefore represent a low priority target.

Trenching

Six trenches totalling 930m excavated a series of anorthosite/gabbro-norite/dolerite dykes with associated chromite bodies hosted in a variably serpentinised dunite.

BR1
This 190 metre trench cut a uniformly serpentinised dunite, with three narrow anorthosite/gabbro dykes, centred at 28, 36 and 42 metres. Abundant multi-directional narrow shears with black veining, usually sub parallel to the dykes, occur in the dunite. Spotty native copper was observed in the anorthosite dyke rocks.

BR2
This trench cut a dolerite dyke at 78 metres and an anorthosite dyke at 148 metres in dunite. The anorthosite dyke is detected by a magnetic high and the dolerite dyke by a low-high couplet. Magnetically the North Brassey dunite is more variable than the flat, featureless response characteristic of the Nineteen Mile Creek dunites.

BR3
Trench BR3 intersects a dunite (0-225) containing a dolerite dyke at 00 metres, an anorthositic dyke at 83 metres and two anorthosite/gabbro bodies exhibiting lithological mixing and brecciation at 183 and 213 metres. These dykes have a magnetic signature but are not anomalous in PGE or Au. A poikilitic harzburgite occurs from 225 metres until the end of the trench at 235 metres.

BR4, BR5
Short parallel trenches of 46 and 43 metres respectively, which intersect a dolerite/gabbro body hosted in dunite. No anomalous assays returned.

BR6
A trench cut entirely in dunite with varying degress of serpentinisation, local shears and fine veining.

The 3m composite assays returned a maximum of 20-50 ppb combined PGE (0.2% nickel and 0.06% chrome). The only visible mineralization consisted of very rare native copper.

Trench maps, with magnetic profiles and assay results are given in Appendix 5C.

Magnetics

An orientation fluxgate magnetic survey produced vertical component magnetic data that was evaluated by Leaman Geophysics (Appendix 5D). The main conclusions drawn from this study were that the high amplitude variations and spikiness of the data could be resolved to establish magnetite bearing shears but not the major unit boundaries.

Subsequent work undertaken using a proton precession magnetometer has indicated that magnetics is a useful tool in delineating different rock units and focussing the PGE exploration effort in a general sense. Both trench and grid ground magnetics using a proton precession magnetometer have been undertaken and full analysis is pending.

Drilling

Forty four holes, totalling 2224m were drilled over the Brassey grid using a ROC 601 Airtrack percussion rig. The 3m composite samples returned disappointingly low values with none >100 ppb combined PGE (max. 97 ppb; BRP10, 18-21m). Although no platinum group metals were observed, rare zaratite (Ni Co3) was. The most prospective unit, the chromitite layers (surface rock chip assays up to 2.2 g/t total PGE) were not intersected by any of the drillholes, indicating their pod-like nature, and limited extent.

A plan showing locations of the trenches and drillholes is given in Appendix 5E.

Part of this drilling programme was designed to test the tonnage potential at the Lord Brassey Nickel Mine where surface sampling returned encouraging values (Sample 232198 - 7.66% Ni).

None of the holes intersected significant nickel values (max. 0.44% Ni, BRP6; 21-24m) and together with past disappointing drilling results of Amax and Theseus Exploration, indicates that the mineralization at the Lord Brassey Mine is shear related and of limited extent.

(f) Jasper (Appendix 6)

The Jasper (Cu, Au) project area in the southern portion of the licence encompasses a number of small workings of which the Old Jasper (Cu, Au) and New Jasper (Cu, Au) Mines are the more important. The results of the gridding, mapping, rock chip sampling, percussion and diamond drilling are described in Appendix 6A. Mineralogical studies of the sulphides found on the Old Jasper Mine dumps reveal that chalcopyrite is the dominant sulphide mineral (Appendix 6B).

A percussion drilling programme was undertaken based on the grab sampling results (max. 14.2 g/t Au, 23.1% Cu, and 200 g/t Ag). Fourteen holes were drilled (483m) in fractured ground with most holes failing to reach the target zone because of lost circulation. The assays were disappointing but the drilling did not adequately explore the mineralized potential of the Old Jasper mine surrounds.

Three diamond holes were drilled into the Prospect (JD-1, 2, 3 - 330m). JD-1 and 2 were reconnaissance holes drilled to test an exploration model of flat lying fault and stratabound mineralization. These holes intersected minor mineralization.

A two day orientation downhole Sirotem survey was conducted at Jasper which delineated three conductive zones, which are interpreted to be steeply dipping, fault bounded, and due to sulphides, (Appendix 6C).

Diamond drill hole JD-3 sited at 50N 280E and inclined 50o towards 055o magnetic was designed to test a conductive zone at 20m depth. The hole intersected a 3m thick silicified zone containing up to 10% sulphides with the best assays being 0.28 g/t Au, 6.5 g/t Ag and 2.25% Cu between 26.3 and 26.7m. Drill sections and assays are given in Appendix 6D.

CONCLUSIONS

Trenching, rock chip geochemistry, and magnetics has targeted the Fentons area as priority for further exploration work. A 1400m long by up to 250m wide platinum enriched zone provides a drill target for the coming field season.

Although surface rock chip P.G.E. geochemical results are impressive from Purcells, Caudrys, Brassey, North Brassey and Burgess, drilling the favourable chromite enriched intermixed zones has failed to produce P.G.E. anomalism in fresh rock. There is mounting evidence that the osmiridium enriched alluvials are derived from supergene P.G.E. concentrations on chromite bearing intermixed zones.

A review of didgem II E.M. conductors (after Comstaff), highlights that a very strong anomaly exists near Burgess Grid and that weaker anomalies exist west of Lord Brassey Mine and on Fentons Grid which require further work. No further work at Caudrys and North Brassey is being contemplated. The location of all anomalies obtained from stream sediment magnetic and didgem II surveys, together with known workings, is shown on enclosure 1. An integrated evaluation of geology, magnetics, rock chip geochemistry, E.M. surveys is proceeding to assess the future programme in detail at Fentons, Burgess and Nichol Creek, west of Lord Brassey Mine.

At Old Jasper Mine, an orientation (sirotem) E.M. survey has led to drilling auriferous - basemetal sulphides at shallow depths (20m). Encouraged by this result, further E.M. and drilling programmes are contemplated during the coming field season.

PROPOSED EXPLORATION PROGRAMME - YEAR 4, 1.12.88 - 1.12.89

1) **Fentons**

- an initial 12 RC drill hole programme with a track mounted drill rig.
- further drilling, pending results.

2) **Jasper**

- survey gridding to A.M.G. co-ordinates
- E.M. (sirotem) survey
- grid mapping
- drilling of E.M. conductors
- further drilling pending types of conductors and results

3) **Burgess**

- orientation E.M. (sirotem) survey of Didgem II anomaly
- drilling of E.M. conductors
- assess and review

4) **Nichle Creek**

- orientation E.M. (sirotem) survey of Didgem II anomaly
- drilling of E.M. conductors
- assess and review

5) 1:5,000 orthophoto controlled geological mapping of 19 Mile Dunite to identify mixed magma zones.

6) Trench and surface rehabilitation

ACKNOWLEDGEMENTS

During this year the following geoscientists, K.Morrison, D.Simpson, J.Keall, W.Hermann, B.Mann, D.Peck, H.Rutter, T.Summons, N.Rollings, P.M. Skimming, P.Bellairs and S.Carthew, have contributed to the work programme.

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ADDENDUM

GOLD MINES OF KALGOORLIE LIMITED 720037
METALS EXPLORATION LTD. (INCORPORATED IN VICTORIA)
3.7/424 St. Kilda Rd., Melbourne, 3004 Tele: (03) 267 8544
Fax: (03) 267 5567

BOND GOLD AUSTRALIA PTY LTD

MINES	
File Ref. E.L. 21/85	
-4 SEP 1989	
Doc. Ref. 2247	
Action Officer P.W	Initials
Resubmit to	Date

30 August 1989

Mr P K Wrigley
Administrative Geologist
Tasmanian Department of Mines
PO Box 56
ROXBY PARK TAS 7018

Dear Sir,

88-2876

RE: EL 21/85 Annual Report 1988 No 212010, File PKW01:JH

Replying to your letter PKW01:JH, Eastern Blow is tentatively situated at 359400m E 540605m N and is stated in Appendix 5, Jasper Section p 9, L 3 and 4 to be found 300m northeastwards of Jasper Mine. The name Eastern Blow in published in the Tasmania Department of Mines Technical Report 10, 1965 in Chapter 6 "The Geology of the Heazlewood - Godkin Area" by D I Groves p 38-39 on copper section - Old Jasper lodes and consequently should be in your records.

Regarding Table 4, p 19, Purcell section samples 145376 to 382 relate to Costean 3, Purcells' Prospect and 383 and 384 are rock chip samples of interlayered sequence.

Table 5 regarding magnetic separation of samples, I have no knowledge of except what is written in the report and the people who do know have since left the company employ.

I trust this information is of value to you.

Yours faithfully,
METALS EXPLORATION LIMITED

S CARTHEW
SENIOR GEOLOGIST

088985me

035

WESTERN AUSTRALIA

720038

THE EVIDENCE ACT, 1906

STATUTORY DECLARATION

I, IAN DONALD FINCH of 619 Murray Street, West Perth, do solemnly and sincerely declare as follows:-

Expenditure for Heazelwood E.L. 21/85 for the 12 month period to 1.12.87 is as set out below:-

Air Photos & Mapping	5,543.17
Assaying	265,482.55
Consultants	8,460.00
Contractors - General	65,075.97
Contractors - Drafting	3,419.60
Couriers	2,482.93
Data Processing	3,851.60
Drafting Supplies	1,398.43
Drilling Diamond	32,914.51
Drilling Percussion	139,421.50
Earthmoving	56,158.98
Field Expenses	18,353.27
Fuel & Oil - Bulk (Vehicles)	221.70
General Expenses	2,924.53
Geophysical Surveys	3,761.80
Hire Equipment	4,986.75
Hire Vehicles	9,222.96
Light & Power	1,455.18
Indirect Reimbursibles	4,980.57
Technical Services	97,911.50
Messing	5,025.16
Motor Vehicle Costs	11,977.48
Other Exploration Costs	1,487.37
Printing & Stationery	817.88
Rent - Premises	1,988.51
Repairs & Maintenance	652.06
Telephone Telex & Fax	3,127.42
Tenement Expenses	1,695.00
Travel & Accom	12,693.29
Total	$767,491.67

And I make this solemn declaration conscientiously believing the same to be true and by virtue of Section 106 of the "Evidence Act 1906".

DECLARED AT Perth

in the State of Western Australia)
this 26th day of) [signature]
October 19 88)

in the presence of R.W. Jones
Authorised person

354 E 355 E 356 E 357 E 358 E 359 E 360 E 361 E 362 E 363 E 364 E 365 E 366 000 E

5416 N 5415 N 5414 N 5413 N 5412 N 5411 N 5410 N 5409 N 5408 N 5407 N 5406000 N

5416 000N 5415 N 5414 N 5413 N 5412 N 5411 N 5410 N 5409 N 5408 N 5407 N 5406 N

354 000E 355E 356E 357E 358E 359E 360E 361E 362E 363E 364E 365E 366E

Tb Pws Po Eccb Tb Cg Tb Po Pws Cd Bald Hill Cs Cp Cbm Cba Ct Cg Cbm Cba Ct Cu Cu/Pb/Au Pb/Zn Pb/Zn/Cu Ni Au Jasper Hill Leven Creek Au Tb Po Eccb Ct Csm Cbm Cg Cba Cg Ol Dg Tb Cg Cbm Cba Ct Heazlewood Cleveland Mine Luina Mt Cleveland 855 Rhodo Tower

Fentons FENTONS GRID BURGESS GRID BRASSEY GRID Purcell's Caudry's Caudry's Gravel Pits Gravel Pit Gravel Pit Gabbro Hill Pursells Plain Bayley Hill Bayley Hill Birthday Hill Mt Hall Mt Hall Mt Cleveland Mt Hall Heazlewood Road Corinna Road Mount Cleveland Road Hazelwood Creek Corinna Creek Main Creek Lower Main Creek Cuttle Creek Barrel Creek Barrel Creek Barrel

APPENDICES

1	FENTONS AREA	
1A	Mapping - Fentons Grid 1:2,500	N. Rowlings
1B	Rock Chip geochemistry	N. Rowlings
1C	Ground magnetic data and maps	H. Rutter & C. Kurney
1D	Trench maps	K. Morrison & S. Carthew
1E	Geochemistry maps 1:2,500	Cadmap
1F	Trench 1m geochemistry	S. Carthew & P. Bellairs
1G	Cumulative frequency plots	J. Keall
1H	Fentons Knob diamond drill logs and Section	K. Morrison
1I	XRD mineral determinations	Analabs
2	PURCELLS PROSPECT	
2A	Costean geochemistry	K. Morrison
2B	Drill logs and drill sections	J. Keall
2C	Ground magnetic data	C. Kurney
3	CAUDRYS PROSPECT	
3A	Drill hole locality plan with geology	T. Summons
3B	Drill logs, assays	J. Keall
4	BURGESS AREA	
4A	Burgess Hill Sheet - geology 1:2,500	T.S./K.M./G.A.
4B	Metallurgical Studies	AMMTEC
4C	Geochemistry	D. Peck & T. Summons
4D	Trench geology and geochemistry	K. Morrison
4E	Magnetic data and map	C. Kurney
5	BRASSEY HILL / BRASSEY NORTH AREA	
5A	Brassey Hill Sheet - geology 1:2,500	T.S./K.M./G.A.
5B	Geochemical assays	D. Peck
5C	Trench geology and geochemistry	K. Morrison
5D	Grid magnetic data and map	C. Kurney
5E	Drill logs and sections	D. Simpson
6	JASPER	
6A	Preliminary Report on Evaluation of the Gold potential of the Old Jasper Mine Area.	W. Herrmann P. Bellairs S. Carthew
6B	Mineralogical studies of Old Jasper Mine sulphides.	D. Peck
6C	Transient E.M. test lines at Jasper Hill	H. Rutter
6D	Ground magnetic data	C. Kurney
6E	Diamond drill logs and sections	J. Keall

APPENDIX 1

FENTONS AREA

APPENDIX 1A

MAPPING – FENTONS GRID 1:2,500

LEGEND

CAMBRIAN

- 51 g — INTERLAYERED GABBRO / DOLERITE
- 34 p — MASSIVE PYROXENITE
- 26 pd — OLIVINE BEARING INTERLAYERED PYROXENITE
- 25 L — LHERZOLITE
- 24 h — HARZBURGITE
- 22 d — DUNITE
- ROCK BOUNDARY
- APPROXIMATE BOUNDARY
- INFERRED BOUNDARY
- FAULT
- INFERRED FAULT
- SHEAR ZONE
- 70 DIP AND STRIKE (LAYERED)
- DIP AND STRIKE (JOINTING)
- TREND LINE
- DIAMOND DRILL HOLE
- S SERPENTINIZATION
- •232105 SAMPLE NUMBER AND LOCATION
- •Cr CHROMITE LOCATION
- GRAD GRADATIONAL CONTACT
- ALLUVIAL WORKINGS
- FT 3 / 0m / 77m TRENCH

Contour intervals 20m

358 000 E

357 000 E

5 411 000 N

5 410 000 N

19 Mile Creek

Archer Creek

Joint Creek

Fenton's Creek

Swordgrass Creek

SWORDGRASS HILL

FENTON'S KNOB

FENTON'S SPUR

CHROMITE HILL

ZEBRA SPUR

BALD HILL

REVERSAL HILL (Pole Reversal in Compass)

232152-154 (Pyroxenite Augen)

60m magmatic breccia trends 002°(2-3m wide). Variable compass readings, up to 8% NIS in unit.

Possible fracture or fault with little movement forming zone of serpentinization

Mylonitized gabbroic rock in fault zone

Chromite bands 232133,134

FT 1 — 119m
FT 1a — 184m
FT 1b — 87m
FT 2 — 0m — 374m
FT 3 — 0m — 379m
FT 3 contd — 379m — 573m
FT 4 — 0m — 217m
FT 5 — 0m — 410m
FT 6 — 369m
FT 7 — 0m — 65m
FT 8 — 173m
FT 9 — 0m — 54m
FT 9 contd

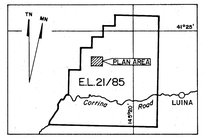
ALLUVIAL WORKINGS

Australian Map Grid

0 100 200 METRES

5 cm

LOCATION MAP



0 2 4 6 8 km

SCALE 1:200,000

7672

88-2876 Vol. 1 of 2

METALS EXPLORATION LIMITED

HEAZLEWOOD PROSPECT, TASMANIA
EXPLORATION LICENCE 21/85

GEOLOGY IN THE VICINITY OF FENTONS WORKINGS

720043

7672

DATE MAY 1986
SCALE 1:2500

FIGURE 7

Dig.No 02/HZ/2/10

APPENDIX 1B

ROCK CHIP GEOCHEMISTRY

SAMPLES FOR PGE, CU, AU, NI, CR ANALYSIS (+/- S & ZN)

COLLECTED BY D.C. PECK, GEOLOGY DEPARTMENT, MELBOURNE UNIVERSITY

SAMPLE NO.	ROCK TYPE-DESCRIPTION	LOCALITY	MEL GRID REFERENCE
8796-R72	MASSIVE FINE-GRAINED CHROMITITE	NORTH BRASSEY HILL	REPLICATES
-R90	MASSIVE FINE-GRAINED CHROMITITE	NORTH BRASSEY HILL	REPLICATES
B -211	CHROMITITE (30%) IN ALTERED PPH*	CHROMITE RIDGE	1460N/1250E[1]
-214	CHROMITITE	NORTH BRASSEY HILL	1780N/1170E[2]
B -219	CHROMITE (3%) IN PPH	CHROMITE RIDGE	1330N/1300E[1]
B -224	CHROMITE (5%) IN PEGMATITIC NORITE	CHROMITE RIDGE	1380N/1280E[1]
B -225	CHROMITE (50%) AND PPH	CHROMITE RIDGE	1360N/1290E[1]
-259	CHROMITE (3%) IN ORTHOPYROXENITE	SWORDGRASS CK	1600N/1700E[3]
F -260	CHROMITITE SCHLIEREN (15%) IN HARZBURG	CHROMITE HILL	1950N/1900E[3]
-285	CHROMITITE SEAMS (10%) IN GABBRONORITE	BRASSEY HILL	1700N/1580E[2]
-295	ANORTHOSITE (TRACE OF NATIVE COPPER)	NORTH BRASSEY HILL	1895N/1190E[2]
-297	CHROMITITE LAYERS (50%) IN HARZBURG	NORTH BRASSEY HILL	1890N/1190E[2]
-298	CHROMITITE	NORTH BRASSEY HILL	1890N/1190E[2]
-299	CHROMITITE (90%) AND PPH	NORTH BRASSEY HILL	1890N/1190E[2]
-300	CHROMITITE (50%) AND PPH	NORTH BRASSEY HILL	1890N/1190E[2]
-301	CHROMITITE (5%) IN PPH	NORTH BRASSEY HILL	1890N/1190E[2]
-302	INTERLAYERED CHROMITITE (40%) + PPH	NORTH BRASSEY HILL	1875N/1200E[2]
-303	PEGMATITIC NORITE	NORTH BRASSEY HILL	1875N/1200E[2]
-304	INTERLAYERED CHROMITITE (70%) + PPH	NORTH BRASSEY HILL	1875N/1200E[2]
-307	INTERLAYERED CHROMITITE (70%) + PPH	NORTH BRASSEY HILL	1880N/1200E[2]
-308	INTERLAYERED CHROMITITE (80%) + PPH	NORTH BRASSEY HILL	1885N/1210E[2]
-309	CHROMITITE	NORTH BRASSEY HILL	1875N/1220E[2]
-310	CHROMITITE	NORTH BRASSEY HILL	1855N/1230E[2]
-311	INTERLAYERED CHROMITITE (50%) + PPH	NORTH BRASSEY HILL	1855N/1235E[2]
-312	INTERLAYERED CHROMITITE (50%) + PPH	NORTH BRASSEY HILL	1850N/1240E[2]
-313	CHROMITITE	NORTH BRASSEY HILL	1855N/1245E[2]

* PPH = PEGMATOIDAL PLAGIOCLASE HARZBURGITE

1 = BURGESS HILL GRID
2 = BRASSEY HILL GRID
3 = WESTERN SHEET GRID

METALS EXPLORATION LIMITED

ppm? ppb ppm? FIELD ENTRY

CO-ORDINATE FROM E	CO-ORDINATE TO N	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN ~~PPM~~ UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni	(Cu)
1755	1000		S. dunite, 15% Cr coarse grained	311900	x	x	1·0	6·5	1·0	2·5	2	1900	
1600	2250		(S) d. 30% Cr.	901	x	5·5	2·0	6·0	1·5	1·0	x	1450	
1800	2455		d. <30% Cr	902	0·03	4·0	2·0	4·5	3·0	1·0	x	1150	
1650	2450		sup vein d, mag breccia text. NiS?	903	0·08	5·0	2·0	6·0	2·5	1·5	x	2850	
1255	2000		d, up to 20% Cr. cg to ·75cm	904	x	3·5	1·0	3·0	1·0	0·5	x	1550	
1600	2100		Thin Cr vein in d.	905	x	5·0	0·5	2·5	1·5	0·5	6	1350	
1480E	2100		S px lens with pod Cr to 5mm	906	x	24	1·0	4·0	1·5	x	x	330	
1975E	2000		S, Hz Cr ~10%	311939		12	2·5	6·5	2·0	0·5	x		12
1865	2100		Sd + peg px + Cr pods. Cr up to 60% in layers 2cm	940	~	110/110	45/60	13/14	18/17	2·0/2·0	2/2		3
1905	2100		(S) px dunite 1cm Cr layers	941	~	890	5·5	24	77	8·0	8		7
2205	2215		(px) dunite + peg px Cr ~7%	942	~	110	2·0	7·5	11	1·0	x		2
1810	2350		S dunite up to 10% Cr — — —	943		2·5	1·5	3·0	0·5	x	x		5
1980	1910		dunite 10% c.g. Cr	944		72	2·5	6·5	7·5	1·0	x		10
2170	1900		hard ywd ferruginised qze after Hz - sheared?	945		4·5	x	1·5	0·5	x	2		
1850	1000		patchy Sd + Cr pods to ½cm.	946		4·0	2·5	9·0	2·0	5·0	6		

Loc's on Fig "040"

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: Fenlons 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 ...

040

P2006

ETALS EXPLORATION LIMITED

HEAD OFFICE COPY

FIELD ENTRY | LAB. ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION	+ 2acrotik. ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X= BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni	Cr
00E	2200N	RC	2cm serpentinite vein, sulphides + blue mineral (Hellyerite?)		300000	0·06 0·13	5·0	12	7·0	3·0	1·5	4	5900	1980
00E	2200N	RC	Dunite, minor pyroxene. Reworked serp veinlets + sulphides		300001	8·82	1·5	7·0	4·0	1·5	x	4	1960	450
00E	2200N	RC	Dunite, up to 15% foliated Chromite		300002	0·03	3·0	9·0	11	3·0	1·0	x	1840	380
50E	2225N	RC	Chromitite ~2cm thick in dunite		003	0·01	12	11	31	9·0	3·5	4	1360	4100
50E	2190N	G	Magnetic microgranites (grisolites) (V)		004	0·01	23	46	29	15	4·5	x	1820	8200
15E	2195N	RC	Peg px in dunite with anor. cc 111°C to sample 311992		005	0·01	54	9·5	4·5	5·5	1·0	x	830	520
17E	1750N	RC	Yw. weathering dunite, up to 10% Cr. trains		006	x	56	14	6·5	6·5	x	x	1140	340
02E	1810N	RC	Serp. veins with up to 8% Cr.		007	0·01	20	7·0	6·5	2·0	1·5	x	1040	330
00E	1800N	RC	dunite, 5-10% pod (3mm) Cr		008	0·01	2·5	12	13	1·0	0·5	x	2150	165
00E	1900N	RC	dunite with 10% Cr, apparently inc. in Cc in serp vlts?		009	x	5·0 8·5	37 17	6·0	1·5	1·5	4	1640	1060
0E	1810N	RC	Chromite bands in dunite.		010	x	3·5	10	4·0	2·0	0·5	x	1700	68
35E	1800N	RC	Yellow weathered dunite, up to 8% Cr.		011	x	5·0	19	9·5	1·5	0·5	x	1200	580
5E	1850N	RC	Serpentinite + S. Vlts with pod (7mm) Cr		012	x	12	18	6·5	3·5	1·0	2	1240	180
0E	1850N	RC	Dunite with poikiloblastic px, up to 8% Cr		013	x	5·0	10	4·5	1·5	x	2	810	250
0E	1765N	RC	Dunite, minor pyroxene, up to 10% Cr.		014	8·02 8·04	2·5	14	7·5	2·0	0·5	2	1320	32
4E	1750N	RC	Dunite, lineated Chromite to 8%.		015	0·02 0·03	2·0	9·5	8·0	2·0	x	2	1460	650
0E	1750N	RC	Yellow weath. dunite with dark bands containing 10% Cr		016	0·01	2·0	12	6·0	1·0	3·0	4	2850	130
0E	1700N	RC	Serp, white serp vlts + blue mineral lining joints - Hellyerite?		017	0·01	2·5	14	5·5	x	x	x	620	230
0E	1700N	RC	Apple green mineral (px?) with serp veining		018	x	16	8·5	9·0	2·5	x	2	210	740
0E	1710N	RC	Brecciated, ferruginized (sheared) dunite with serp vlts		019	x	5·7 4	9·0 12·0	7·0 3·5	5·5	1·0	2	1160	330
5E	1650N	RC	Yw. orange dunite, up to 8% Cr. + Serpentinite blebs		020	0·01	4·0	14	11	1·5	x	x	2300	830
5E	1650N	RC	Brecciated serpentinite with 5% Cr / Red Fe breccia		021	0·01 0·82	9·0	10	11	1·5	0·5	4	3750	320
5E	1600N	RC	Dunite with serp veins + pod Cr to 10%.		022	x	1·5	15	14	2·0	1·0	2	1620	890
0E	1600N	RC	Dunite, serp vlts in polygonal pattern < 15% pod Cr		023	x	2·0	9·5	9·5	1·0	2·5	4	2650	1320
0E	1601N	RC	large serpentinite vein 40cm, green core 3cm.		024	0·10 0·80	10	6·0	3·5	1·5	x	x	900	210
0E	1600N	RC	Pod. Cr in weathered dunite (20%)		025	x	x	47	11	2·0	0·5	x	1700	110
0E	1600N	G	Peg. px with pod Cr → up to 1·5cm at 20%		026	x	6·5	28	7·5	1·5	x	x	60	4450
5E	1600N	RC	Peg Px, pinch and swell morphology in dunite - pod Cr.		027	x	7·5	60	12	2·0	0·5	x	1600	125
0E	1500N	RC	Coarse grained chromite in dunite		028	x	1·0	4·5	14	1·5	3·5	4	2650	56
60E	2100N	G	Coarse grained chromatite c/s 300030		029	x	41 52	11 10	14	9·0	2·0	x	1340	3000
					CHECK SAMPLE	PPM							PPM	PPM

AIR PHOTO / AWING No.

LOGGED BY: N. Rollings | MACHINE: Geopick | INCLINATION AT COLLAR: — | BEARING AT COLLAR: — | MAG./GRID

SAMPLE TYPE: RC = Rockchip G = Grab | FIELD ENTRY BY: N. Rollings | DATE: 1/1/96

PROSPECT OR PROJECT: Hazlewood EL 21/85 | AREA OR GRID NAME: Fentons' Grid

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

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

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2004-3

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FIELD ENTRY | LAB ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni	Cr
60E	2100N	-	Bright metallic magnetite(?) coarse grained in part	300030	0.02	33	9.0	7.0	5.0	1.0	X	1000	2800
00E	1550N	-	Chromitite - medium to fine grained.	031	X	43	6.5	160	25	40	20	580	17%
60E	1400N	-	Very coarse grained chromitite(?) 5g combined.	032	X	450	12	2000	150	1800	1700	620	16.9%
40E	1300N		Serp. Px with pod Cr (to 1cm)	033	X	43	5.5	21	6.0	13	12	66	1.06%
70E	1060N		Serp. brecciated dunite with magnetite frac fill?	034	0.03	11	3.5	6.0	3.0	0.5	2	1420	840
30E	1350N		MG CR in Dunite / c.g. px.	035	0.01	84	3.0	120	33	17	16	1020	8.6%
30E	1250N		G.G. → Pod Cr in D	036	X	2.5	2.0	8.5	2.0	0.5	X	510	330
0E	2135N		Chromitite from near 311941	037	X	250	3.5	20	35	6.0	4	420	1.42%
3E	2130N		Chromitite in D	038	X	590	14	59	70	29	34	440	1.39%
5E	1500N		Dunite with chromitite layer	039	0.03	60	3.0	29	11	3.5	6	500	470
			Ultramafic with calcite veining py, ga. Nr Fentons	040	0.01	4.5	6.0	3.0	1.0	X	X	310	410
30E	2800N		Sheared serp. with calcite veining	041	X	5.0	3.0	6.5	1.0	2.0	X	1640	195
0E	2800N		Pod Cr in Dunite	042	X	1.0	2.5	9.5	1.0	X	X	1360	630
35E	2900N		Serp. Dunite with calcite veining	043	X	1.0	2.5 2.0	4.0	0.5	X	X	1660	210
0E	3100N		LR 8% Cr in serpentinite blobs	044	0.09	X	2.0	10	1.0	2.5	X	3400	200
0E	3200N		Serp. dunite ± 5% Cr & sulphides??	045	0.10	1.0	2.5	8.0	X	X	X	180	22
0E	3300N		Serpentinite ± abundant thick serp. veins	046	0.02	6.0	2.5	8.5	1.5	X	X	490	690
48E	3300N		Sep. dunite & abundant f.g. disseminated Cr.	047	0.01	1.0	2.5	8.0	X	X	X	180	32
0E	3700N		Serp. ± minor Cr.	048	X	0.5	3.0	4.5	X	X	X	430	6
0E	3300N		Basalt?? Serp. ± 5-10% Cr	049	X	1.5	2.5	12	1.0	4.5	4	2350	94
2E	3350N		Serp. coarse grained Px & D with pediform Cr (float only)	050	X	59	5.5	12	5.5	2.5	2	1640	490
55E	3350N		Brecciated, white veined serp. dunite	051	X	4.0	4.0	12	2.0	1.0	X	1490	230
E	3200N		Serp. dunite, Cr present - 5-10%.	052	X	1.0	4.0	12	1.0	4.0	4	2550	190
5E	3200N		Serp. dunite ± med.-coarse gr. Cr. ≥10%	053	0.01	0.5	6.5	15	1.5	2.5	X	2700	710
0E	3200N		Serp. 5-10% Cr	054	X	0.5	3.0	8.5	1.0	4.0	4	2750	150
0E	3200N		Weathered serp. dunite, abun. serp. veinlets & minor Cr, Relic bastite structure.	055	0.02	1.0	5.5	12	1.0	3.5	4	1640	210
Camp	20008		Sent for mineral ID, possibly serpentinite vein material	056	Serpentinite, (pass chrysotile, lizardite, antigorite ultramafic?)								
items				057									
0E	3700N		weathered serp. dunite ± ≤30% Cr & serp. blobbettes (float)	058	X	2.0	3.0	5.5	1.0	2.5	2	1720	54
0N	1700E		Serp. dunite float ± qtz crystals in vughs	059	X	6.5	2.5	9.0	2.5	1.5	X	1700	1380
				CHECK SAMPLE	PPM							PPM	PPM

AIR PHOTO / DRAWING No.:

ED BY: N. Rollings | MACHINE: | INCLINATION AT COLLAR: — | BEARING AT COLLAR: — | MAG./GRID

PLE TYPE: RC = Rock Chip G = Grab | FIELD ENTRY BY: N Rollings | DATE: 1/1/86

PROSPECT OR PROJECT: Heazlewood EL 21/85 | AREA OR GRID NAME: Fentons Grid

LINE No: | LOCATION ON LINE OR HOLE NUMBER: | LOG PAGE: OF

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

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120048

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FIELD ENTRY | LAB. ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT									TUBE No.
					Au	Pt	Pd	Ru	Rh	Ir	Os	Ni	Cr	
SE	1950N		Thin chromitite in dunite	300060	X	27	2·5	22	14	3·0	X	1420	300	

R PHOTO AWING No.:

ED BY: N. Rollings

MACHINE:

INCLINATION AT COLLAR: —

BEARING AT COLLAR: —

MAG./GRID

LE TYPE: RC = Rockchip G = Grab

FIELD ENTRY BY: N. Rollings

DATE: 11/88

PROSPECT OR PROJECT: Headlewood EL 2185

AREA OR GRID NAME: Fenton's Grid

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

050

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051

720050

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Job: COMBAD0129
O/N: 20001

ANALYTICAL REPORT

SAMPLE	Au Avg	Au Dp1	Au Dp2	Au Dp3	Ni	Cr
300000	0.06	<0.01	0.13	--	5900	1980
300001	0.02	0.01	<0.01	0.06	1980	450
300002	0.03	--	--	--	1840	380
300003	0.01	--	--	--	1360	4100
300004	0.01	--	--	--	1820	8200
300005	<0.01	<0.01	<0.01	0.01	830	520
300006	<0.01	--	--	--	1140	340
300007	<0.01	0.01	<0.01	--	1040	330
300008	<0.01	0.01	<0.01	0.01	2150	165
300009	<0.01	--	--	--	1640	1060
300010	<0.01	<0.01	<0.01	<0.01	1700	68
300011	<0.01	--	--	--	1200	580
300012	<0.01	--	--	--	1240	180
300013	<0.01	--	--	--	810	250
300014	0.02	<0.01	0.04	--	1320	32
300015	0.02	0.01	0.03	0.02	1460	650
300016	0.01	--	--	--	2850	130
300017	0.01	--	--	--	620	230
300018	<0.01	<0.01	<0.01	--	210	740
300019	<0.01	--	--	--	1160	330
300020	<0.01	<0.01	<0.01	0.01	2300	830
300021	0.01	<0.01	0.02	--	3750	320
300022	<0.01	--	--	--	1620	890
300023	<0.01	<0.01	<0.01	--	2650	1320
300024	0.06	<0.01	0.10	0.08	900	210
UNITS	ppm	ppm	ppm	ppm	ppm	ppm
SCHEME	FAS1	FAS1	FAS1	FAS1	AAS1	AAS2

ANALYTICAL REPORT

SAMPLE	Au Avg	Au Dp1	Au Dp2	Au Dp3	Ni	Cr
300025	<0.01	--	--	--	1700	110
300026	<0.01	--	--	--	60	4450
300027	<0.01	--	--	--	1000	125
300028	<0.01	--	--	--	2650	56
300029	<0.01	--	--	--	1340	8000
300030	0.02	--	--	--	1000	2800
300031	<0.01	--	--	--	580	17.0%
300032	<0.01	--	--	--	620	16.9%
300033	<0.01	--	--	--	68	1.06%
300034	0.03	<0.01	--	--	1420	840
300035	0.01	<0.01	--	--	1020	8.60%
300036	<0.01	--	--	--	510	330
300037	<0.01	--	--	--	420	1.42%
300038	<0.01	--	--	--	440	1.39%
300039	0.03	--	--	--	500	470
300040	0.01	0.01	--	--	310	410
300041	<0.01	--	--	--	1640	195
300042	<0.01	--	--	--	1360	630
300043	<0.01	--	--	--	1660	210
300044	0.09	0.18	<0.01	0.09	3400	200
300045	0.10	0.13	0.07	--	180	22
300046	0.02	--	--	--	490	690
300047	0.01	0.03	<0.01	<0.01	180	32
300048	<0.01	--	--	--	430	6
300049	<0.01	--	--	--	2350	94
300050	<0.01	--	--	--	1640	490
300051	<0.01	0.01	<0.01	--	1420	230
300052	<0.01	--	--	--	2550	190
300053	0.01	<0.01	0.02	--	2700	710
300054	<0.01	0.01	<0.01	--	2750	150
300055	0.02	--	--	--	1640	210
300058	<0.01	<0.01	0.01	--	1720	54
300059	<0.01	--	--	--	1700	1380
300060	<0.01	--	--	--	1420	300
UNITS	ppm	ppm	ppm	ppm	ppm	ppm
SCHEME	FAS1	FAS1	FAS1	FAS1	AAS1	AAS2
UPPER SCHEME						AAS2A

053

720052

Analysis code A1/1 Report AC 4509/86 Page G1

NATA Certificate Results in ppm

Sample	Cu	Pb	Zn	Ni	Co	Cr
232110	40	<5	28	4800	195	810
232111	15	<5	25	3540	115	890
232112	170	<5	19	1.23%	395	910
232113	<2	<5	15	950	70	800
232114	84	<5	18	5250	175	580
232139	14	<5	31	5400	205	1220
232140	4	<5	28	1280	94	870
Detn limit	(2)	(5)	(2)	(5)	(5)	(10)

ANALYSIS

SAMPLE MARK	ANTIMONY Sb ppm	GOLD Au g/tonne	PALLADIUM Pd µg/g	PLATINUM Pt µg/g
232110	<4	0.1	<0.005	<0.005
232111	<4	0.1	<0.005	<0.005
232112	<4	0.1	<0.005	<0.005
232113	<4	0.1	<0.005	<0.005
232114	<4	<0.1	<0.005	<0.005
232139	<4	0.1	<0.005	<0.005
232140	<4	0.1	<0.005	<0.005
232198	<4	0.1	0.035	<0.005
Method:	X1	A7/1	------ A7/3 -------	

720053

Prospect: Fentons — Line No: 12500N

Co-ord	Time	Date	Gamma	Co-ord	Time	Date	Gamma
16000E	1135	23/6/88	62050	19200E			63810
10			61915	30			63126
20			62045	40			62024
30			62094	50			63142
40			61972	60			62446
50			61970	70			62430
60			62070	80			63088
70			61960	90			62015
80			61955	20000E			62050
90			61988	10			62040
17000E			61895	20			62440
10			62080	30			63100
20			62094	40			63005
30			62210	50			62490
40			62020	60			62430
50			62160	70			62600
60			62165	80			62070
70			62280	90			63400
80			62198	21000E	1115		61870
90	1140	23/6/88	62155		End of Line		
17000E	1140	23/6/88	62115				
10			62460				
20			62588				
30			62657				
40			62400				
50			62295				
60			61992				
70			62526				
80			62164				
90			62295				
19000E			62890				
10			62842				

Prospect: Fentons — Line No: 12500N

Co-ord	Time	Date	Gamma	Co-ord	Time	Date	Gamma
15000E	1110	23/6/88	61941	19000E			62395
60			62015	80	1250		62219
70			62065	90			62497
80			62650	19000E			62935
90			61945	10			62760
16000E			61810	20			62790
10			61820	30			61995
20			61910	40			62080
30			61956	50			62000
40			61900	60			62048
50	1305		61960	70			62115
60			61960	80			62080
70			61737	90			62017
80			61805	20000E			62618
90			61905	10			62532
17000E			62090	20			62910
10			62110	30			62941
20			62048	40			62620
30			62008	20005E	1235		62560
40			61965		End of Line		
50			62052				
60			62070				
70			62062				
80			61990				
90			61960				
18000E			62080				
10			62490				
20			62730				
30			62800				
40			62005				
50			62070				
60			62060				

Prospect: Fentons — Line No: 11500N

Co-ord	Time	Date	Gamma	Co-ord	Time	Date	Gamma
16000E		23/6/88	62596	19200E			62902
10			62045	30			62910
20			62078	40			62690
30			62270	50	1348		62885
40			62130	60			62080
50			62170	70			62070
60			62002	80			62508
70			61900	90			62607
80			61857	20005E	1400		62095
90			61848		End of Line		
17000E			61852				
10			61790				
20	1220		61770				
30			61792				
40			61830				
50			61910				
60			62140				
70			62082				
80			62136				
90			62054				
18000E			62737				
10			62498				
20			62480				
30			63133				
40			62004				
50			62236				
60			62035				
70			62060				
80			62870				
90			63192				
19000E			63404				
10			63040				

Prospect: Fentons — Line No: 10500N

Co-ord	Time	Date	Gamma	Co-ord	Time	Date	Gamma
16000E	1150	23/6/88	62354	19200E			64830
10			62580	30			64328
20			62390	40			63970
30			62100	50			63625
40			62513	60			63705
50			62198	70			63902
60			62100	80			62830
70			62087	90			63145
80			62235	20005E	1128		62650
90			62128		End of Line		
17000E			62125				
10			62105				
20			62085				
30			62115				
40			62045				
50			62127				
60			62110				
70			62120				
80			62105				
90			62140				
18000E			62067				
10			62140				
20			62015				
30			62195				
40			62100				
50			62015				
60			62130				
70			62090				
80			62052				
90			62150				
17000E			62430				
10			62430				

Prospect: Fentons. Line No: 1350N. V

Co-ord	Time	Date	Grammes	Co-ord	Time	Date	Grammes
1900E	1230	23.6.99	622328				
10			622606				
20			622690				
30			622760				
40			622820				
50			622830				
60			622810				
70			622790				
80			622810				
90			622710				
1900E			622685				
10			622683				
20			622686				
30			622815				
40			622690				
50			622810				
60			622758				
70			622705				
80			622000				
90			622675				
2000E			622760				
10			622685				
20			622695				
30			623031				
40			623045				
50			623080				
60			623038				
70			623500				
80			623040				
90			623160				
2100E	1219		623170				
	End of line						

Prospect: Fentons Line No: 1300N. V

Co-ord	Time	Date	Grammes	Co-ord	Time	Date	Grammes
1550E	1.50	23.6.99	621850	1800E			622335
60			621840	90			622370
70			621788	90			622358
80			621775	1900E			622355
90			621787	10			622505
1600E			621800	20			622660
10			621760	30			622675
20			621685	40			622696
30			621713	50			622688
40			621685	60			622644
50			621681	70			622610
60			621682	80			622890
70			621627	90			622820
80			621617	2000E			622730
90			621617	10			622756
1700E			621660	20			622670
10			621640	30			622640
20			621623	40			622620
30			621603	50			622600
40			621625	60			622610
50			621685	70			622656
60			621685	80			622700
70			621640	90			622670
80			621685	2100E	230		622646
90			621658		End of line		
1800E			622606				
10			622680				
20			622650				
30			622622				
40	2.10		622605				
50			622653				
60			622690				

Prospect: Fentons Line No: 1150N. V

Co-ord	Time	Date	Grammes	Co-ord	Time	Date	Grammes
1900E	1.50	23.6.99	622825				
10			622830				
20			623162				
30			622855				
40			622853				
50			622887				
60			622856				
70			622890				
80			622895				
90			622869				
1800E			622902				
10			622700				
20			622644				
30			622647				
40			622633				
50			622690				
60			616690				
70			616586				
80			616790				
90			622615				
2000E			622910				
10			622760				
20			622647				
30			623590				
40			623639				
50			70000				
60			625000				
70			620100				
80			629250				
90			625080				
2100E	1.20		623640				
	End of line						

Prospect: Fentons Line No: 1100N. V

Co-ord	Time	Date	Grammes	Co-ord	Time	Date	Grammes
1900E	10.15	23.6.99	619826	1700E			623060
10			619780	30			623015
20			619785	40			623050
30			619760	50			623040
40			619845	60			623020
50			619809	70			623010
60			619809	80			623000
70			619885	90			623100
80			619770	1900E	12.20	23.6.99	623005
90			619705	10			623010
1800E			619815	20			623060
10			619900	30			623047
20			619898	40			623090
30			623020	50			623015
40			619790	60			623030
50			619816	70			623020
60			619876	80			623010
70			623108	90			623005
80			623133	2000E			623085
90			623148	10			623080
1700E			623220	20			623150
10			623230	30			619985
20			619857	40			59880
30			623225	50	No Result - Wrong Number Entered		
40			623060	60			70000
50			623173	70			616170
60			623278	80			623660
70			623205	90			623030
80			623013	2100E	13.30		623005
90			623110		End of line		
1800E	10.25		623223				
10			623251				

Prospect: Fentons Line No: 1550N

Co-ord	Type	Date	Gamma
1600E		22.6.88	624000
60			624170
70			624140
80			624160
90			624180
1700E			624014
10			624170
20			624178
30			624080
40			624074
50			624280
60			624125
70			624148
80			624140
90	0.30		624170
1800E	0.60	23.6.88	624010
10			624012
20			624070
30			624070
40			624095
50			624140
60			624160
70			624160
80			624125
90			624666
1900E			624170
10			624203
20			624140
30			624162
40			624203
50			624140
60			624257

Co-ord	Type	Date	Gamma
1700E			624170
80			624216
90			624140
2000E			624180
10			624510
20			624646
30			624148
40			624215
50			624080
60			624095
70			624140
80			624170
90			624167
2100E			624146
10			624145
20			624149
30			624210
40			624095
50			624140
60			624160
70			624160
80			624125
90			624666
2000E			624170
10			624203
20			624140
30			624162
40			624203
50			624140
60			624257

Prospect: Fentons Line No: 1550N

Co-ord	Type	Date	Gamma
1400E		23.6.88	624385
10			624140
20			624160
30			624100
40			624160
50			624230
60			624160
70			624140
80			624095
90			624148
1700E			624175
10			624165
20			624178
30			624188
40			624178
50			624184
60			624135
70			624130
80			624185
90			624196
1800E			624105
10			624165
20			624160
30			624170
40			624100
50			624167
60			624120
70			624100
80			624124
90			624196
1700E			624140
10			624223

Co-ord	Type	Date	Gamma
1700E			624230
20			624385
40			624085
60			624162
80			624330
1800E			624353
20			624320
40			624330
60			624345
80			624245
1900E			624130
20			624330
40			624145
60			624140
80			624093
2000E			624120
20			624108
40			624190
60			624140
80			624093
2100E			624120
20			624108
40			624190
60			624140
80	1.00		624093
		End of line	

Prospect: Fentons Line No: 1600N

Co-ord	Type	Date	Gamma
1400E	0.50	23.6.88	624130
10			624145
20			624080
30			624180
40			624300
50			624160
60			624140
70			624120
80			624090
90			624180
1500E			624130
10			624805
20			624520
30			624012
40			624515
50			624260
60			624070
70			624503
80			624140
90			624615
1900E			624622
10			624624
20			624970
30			624915
40			624035
50			624220
60			624880
70			624000
80			624035
90			624035
2000E			624135
10			624135

Prospect: Fentons Line No: 1600N

Co-ord	Type	Date	Gamma
2000E		23.6.88	624585
50			624140
60			624555
70			624623
80			624222
90			624090
2100E			77100
	End of line		

Prospect: Fentons Line No: 1650N 2/

Co-ord	Time	Date	Remarks	Co-ord	Time	Date	Remarks
1650E			619650				
50			619805				
40			619790				
1630E			619775				
End of line							

Prospect: Fentons Line No: 1650N 1/

Co-ord	Time	Date	Remarks	Co-ord	Time	Date	Remarks
2250E	1:00	13.6.89	626666	1950E			622278
90			626602	70			622256
30			626600	60			622575
70			626595	50			622585
60			626590	40			622620
50			626580	30			622645
40			626560	20			622690
30			626530	10			622707
20			626516	1900E			622728
10			626500	90			622788
2200E			626480	80			622848
90			626465	70			622875
80			626450	60			622872
70			626438	50			622855
60			626400	40			622835
50			626380	30			622825
40			626360	20			622800
30			626300	10			622785
20			626277	1800E			622750
10			626218	90			622660
2100E			626130	80	2.50		626620
90			626060	70			622578
80			626020	60			622570
70			625985	50			622545
60			625960	40			622526
50			625940	30			622523
40			625855	20			622485
30			619810	10			619650
20			619744	1700E			619650
10			619730	90			622013
2000E			622132	80			619748
90			622146	70			619650

Prospect: Fentons Line No: 1700N 2/

Co-ord	Time	Date	Remarks	Co-ord	Time	Date	Remarks
2040E		13.6.89	622453				
50			622498				
60			622600				
70			622660				
80			622690				
90			626810				
2100E			622780				
10			622770				
20			622701				
30			622705				
40			619559				
2150E	10:30		592860				
	End of line						

Prospect: Fentons Line No: 1700N 1/

Co-ord	Time	Date	Remarks	Co-ord	Time	Date	Remarks
1400E	11:20	13.6.89	619620	1700E			622115
10			619510	20			622015
20			619570	40			622150
30			619675	50			622177
40			619705	60			622345
50			619760	70			626662
60			619768	90			622690
70			619842	90			622515
80			619860	1800E			630080
90			619850	10			622930
1500E			619838	20			622908
10			619855	30			622945
20			619870	40			630151
30			619912	50			617763
40			619957	60			619445
50			622048	70			619832
60			622008	80			619760
70			622015	90			619546
80			619926	1900E			622925
90			619914	10			619955
1600E			619815	20			619825
10			619810	30			619810
20			619835	40			619766
30			619803	50			619702
40			619748	60			619808
50			619710	70			619749
60			619765	80			619540
70			619745	90			619514
80			619734	2000E			619543
90			619717	10			619540
1700E			622990	20			619780
10			622995	30			622947

Prospect: Line No: 1500N 1/

Co-ord	Time	Date	Gamma	Co-ord	Time	Date	Gamma
1300E	11:20	11.6.88	62060	1625E			61696
10			62443	30			61740
20			62490	40			61710
30			62540	50			61500
40			62190	60			61840
50			62515	70			62100
60			62507	80			62100
70			62370	90			62050
80	11:10		62500	1700E			62390
90			62430	10			62080
1400E			62510	20			62590
10			61750	30			62500
20			61645	40			62420
30			61700	50			62535
40			61730	60			62470
50			61780	70			62800
60			61900	80			62620
70			61900	90			62074
80			61880	1800E	11:45		62520
90			61790	10			62040
1500E			61900	20			62640
10			61710	30			62155
20			61740	40			61860
30			61730	50			62076
40			61750	60			61940
50			61700	70			61945
60			61710	80			62080
70			61860	90			62635
80			61762	1900E			62290
90			61756	10			62520
1600E			61738	20			62065
10	11:30		61675	30			61990

Prospect: Fentons Line No: 1750N 1/

Co-ord	Time	Date	Gamma	Co-ord	Time	Date	Gamma
1650E	11:20	11.6.88	61770	1900E			62000
60			61710	80			60780
70			61680	90			61170
80			61860	2000E			61987
90			61940	10			60070
1700E			61982	20			60355
10			61930	30			59910
20			61820	40			59690
30			61710	50			59420
40			61920	60			59110
50			62030	70			58990
60			61940	80			58880
70			61965	90			58720
80			61940	2100E	13:50		60375
90			61800	End of line			
1800E	11:05		62088				
10			62008				
30			61785				
30			62230				
40			62060				
50			61855				
60			61770				
70			61790				
80			62520				
90			62180				
1900E			62118				
10			62060				
20			61780				
30			61960				
40			62160				
50			61980				
60			62130				
70			62165				
80			62110				
90			62160				
1750E			62160				
10			61980				
20			62535				
30			62466				
40			62615				
50			62808				
60			62900				
70			63200				
80			63100				
90	10:30		63380				
1800E		10.6.88	61817				
10			61880				
20			61817				
30			62577				
40			62585				
50			62782				
60			62635				
70			62000				
80			63378				
90			62840				
1900E			61760				
10			73500				

Prospect: Fentons Line No: 1500N 2/

Co-ord	Time	Date	Gamma	Co-ord	Time	Date	Gamma
1400E			60830				
50			61325				
60			62145				
70			65700				
80			73500				
90			75700				
2000E			73500				
10	Machine Malfunction Report						
20			58690				
30			61015				
40			63700				
50			63905				
60			64160				
70	11:35		64585				
80			64020				
90			64040				
2100E			64040				
10			63335				
20			63930				
30			62270				
40			62000				
50			71100				
60			64040				
70			64000				
80	Machine Malfunction Report						
90			80200				
2200E			66000				
10			66000				
30			61930				
30			62670				
40			66800				
2350E	12:50		74400				
End of line							

Prospect: Fentons Line No: 1750N 1/

Co-ord	Time	Date	Gamma	Co-ord	Time	Date	Gamma
1600E	10:50	11.6.88	61990	1950E	11:50		62220
10			61825	30			62740
20			61757	40			62220
30			61791	50			62430
40			61765	60			62520
50			61780	70			62300
60			61785	80			62520
70			61925	90			62165
80			62110	2000E			62585
90			62160	10			62706
1750E			62160	20			62493
10			61860	30			62015
20			62535	40			62841
30			62466	50			62789
40			62615	60			63255
50			62808	70			61470
60			63400	80			61572
70			63200	90			65817
80			63100	2100E			65066
90	10:30		63380	10			65965
1800E		10.6.88	61817	20			66165
10			61880	30			
20			61817	40	Machine Malfunction Report		
30			62577	2150E	11:00		
40			62585	End of line			
50			62782				
60			62635				
70			62000				
80			63378				
90			62840				
1900E			61760				
10			73500				

Prospect: Fentons Line No: 1900N 2/

Co-ord	Time	Date	Gammas
1900E		10/6/88	624680
90			624315
80			624330
70			623815
60			623234
50			623915
2000E			628857
10			627238
20			626685
30	3:00	10/6/88	626900
40			628653
50			625845
60			624930
70			624509
80			624705
90			624412
2100E			625660
10			623690
20			624420
30			626826
40			625573
50			625840
60			625210
70			624835
80			624310
90			624869
2200E			624145
	End of Line		

Prospect: Fentons Line No: 1900N 1/

Co-ord	Time	Date	Gammas
1300E	1:20	10/6/88	626480
10			625869
20			626826
30			626827
40			624440
50			626215
60			626167
70			626260
80			625854
90			625776
1400E			625842
10			625728
20			625723
30			626215
40			625230
50			625890
60			626181
70			625440
80			626215
90			625230
1500E			626160
10			626000
20			619987
30			626820
40			626006
50			619487
60			619900
70			619890
80	1:45		619900
90			626897
1600E			619863
10			619872

Co-ord	Time	Date	Gammas
1600E			618845
30			617865
40			618831
50			626823
60			626890
70			626877
80			626845
90			626865
1700E			625858
10			624865
20			624845
30			624814
40			624865
50			619890
60			626826
70			626205
80			626355
90			626830
1800E	2:00		626823
10	2:45		626193
20			626867
30			626764
40			626767
50			626853
60			626829
70			626805
80			626775
90			626775
1900E			626735
10			626765
20			626875
30			624703

Prospect: Fentons Line No: 2000N 1/

Co-ord	Time	Date	Gammas
950E	4:30	9/6/88	624883
60			625860
70			626775
80			626832
90			626845
1000E			623990
10			623170
20			623404
30			626776
40			623865
50			624515
60			625365
70			624705
80			625823
90			624545
1100E			624685
10			624509
20			623504
30			626740
40			625890
50			626220
60			626030
70			626095
80			626264
90			626303
1200E			626285
10			626384
20			626320
30			626268
40			624885
50			624846
60			626225

Co-ord	Time	Date	Gammas
1200E			627279
80			626762
90			626230
1300E			623845
10			626260
20			624440
30			626000
40	4:30		626530
50			626287
60			626005
70			626400
80			626312
90			626210
1400E			626125
10			626183
20			626257
30			626376
40			624465
50			624405
60			623845
70			626180
80			626157
90	4:30		626097
1500E			626068
10	10:30	10/6/88	626257
20			624462
30			626237
40			626264
50			626228
60			626382
70			626382
80			626503

Co-ord	Time	Date	Gammas
1600E	1:15		626138
10			626380
20			626270
30			626285
40			624400
50			626135
60			624462
70			626253
80			626215
90			624498
1700E			626170
10			626590
20			626260
30			626208
40			626249
50			625544
60			625002
70			626293
80			626258
90			626398
1800E			626390
10			626216
20			626080
30			626206
40			626060
50			626038
60			626475
70			626263
80			626456
90			626223
1900E			626440
10			626262

Prospect: Fentons Line No: 1950N 1/

Co-ord	Time	Date	Gammas
1900E			626139
30			626914
40	12:45		626495
50	11:15		626280
60			626448
70			626467
80			626435
90			626085
2000E			626110
10			626261
20			626053
30			626002
40			626280
50			626180
60			626312
70			626156
80			626450
90			626630
End of Line			626637

Prospect: Fentons Line No: 2330N

Co-ord	Time	Date	Gamma's
1500E		9.6.88	62625
1550E			62509
10			62614
20			62640
30			62645
40			62615
50			62626
60			62665
70			62601
80			62602
90			62691
1700E			62680
10			62675
20			62702
30			62680
40			62627
50			62630
60			62656
70			62665
80			62640
90			62608
1800E			62618
10			62697
20	10.30		62623
30			62685
40			62605
50			62615
60			62605
70			62670
80			62643
90			62674
1900E			62690

Co-ord	Time	Date	Gamma's
1905			62680
20			62980
30			64510
40			64110
50			64280
60			62759
70			62730
80			62564
90			62475
2000E			62040
10			62903
20			59800
30			59811
40			62305
50	10.45		61515
60			61005
70			61260
80			62130
90			62830
2100E			63623
10			67500
20			70930
30			60280
40			64260
50		End of Line	

Prospect: Fentons Line No: 2330N

Co-ord	Time	Date	Gamma's
1600E		7.6.88	62532
10			62706
20			62782
30			62695
40	2.30		62500
50			62662
60			62682
70			62780
80			62040
90			62055
1700E			62004
10			62859
20			62930
30			62900
40			62798
50			62090
60			62200
70			62910
80			62200
90			62786
1800E			62935
10			62589
20			62356
30			62254
40			62690
50			63006
60			63228
70	2.30		63020
80			63070
90			63062
1900E			62790
10			62855

Co-ord	Time	Date	Gamma's
1900			62625
2000E			62645
10			62590
20			51740
30			58000
40			59000
50			61980
60			62915
70			62963
80			63114
90			63840
2100E	3.00		64.3000
	End of Line.		

Prospect: Fentons Line No: 2130N

Co-ord	Time	Date	Gamma's
1300E		9.6.88	62106
60			62193
70			62172
80			62201
90			62219
1400E	1.30		62220
10			62235
20			62215
30			62230
40			62275
50			62273
60			62260
70			62256
80			62203
90			62213
1500E			62227
10			62259
20			62256
30			62267
40			62288
50			62346
60			62430
70			62548
80			62590
90			62740
1600E			62628
10			62515
20			62646
30			62617
40	2.15		62710
50			62930
60			62290

Co-ord	Time	Date	Gamma's
1650E			62285
80			62860
90			63085
1700E			62754
10			62527
20			62612
30			62886
40			62887
50			62983
60			63100
70			63202
80			63260
90			63244
1800E			63290
10			63207
20			63900
30			63755
40			63453
50			61810
60			63283
70			63215
80			63225
90			61854
1900E			61595
10			61470
20			61555
30			61438
40			61424
50			61661
60			61655
70			61774
80			63094

720060

062

Prospect: Fentons Line No: 2200N

Co-ord	Time	Date	Gravimeter	Co-ord	Time	Date	Gravimeter
1500E		9.6.88	623480	1900E			623600
10			623462	10			623512
20			623465	20			623709
30			623500	30			623482
40			623481	40			623081
50			623512	50	11.50		623675
60			623584	60			623170
70			623483	70			623385
80			623740	80			623525
90			623685	90			623620
1600E			623770	2000E			623484
10			623652	10			623113
20			623572	20			623484
30			623687	30			623687
40			623682	40			623470
50			623910	50			623620
60			623120	60			623485
70			623484	70			623270
80			623704	80			623500
90			623685	90			623484
1700E			623720	2000E			623484
10			623912	10			623235
20			623640	20			623420
30			623920	30			623577
40			623370	40			623410
50			623700	50			623480
60			623790	60			623135
70			623915	70			623490
80			623870	80			623440
90			623483	90			623485
1800E			623010	2100E	11.35		623485
10			623280	10			623477
				20			623485
				30			623485

Prospect: Fentons Line No: 2150N

Co-ord	Time	Date	Gravimeter	Co-ord	Time	Date	Gravimeter
1600E	11.25	9.6.88	623670	1900E			623480
10			623745	10			623152
20			623790	20			623618
30			623760	30			623520
40			623740	40			623700
50			623930	50			623590
60			623875	60			623484
70			623980	70			623440
80			623988	80			623117
90			624000	90			623780
1700E			623220	2000E			623620
10			623850	10			623275
20			623957	20			623485
30			623981	30			623485
40			623797	40			623485
50			622268	50			623485
60			624100	60			623520
70			624130	70			623520
80			623820	80			623570
90			623845	End of line			
1800E			623857				
10			619990				
20			623235				
30			623090				
40			623120				
50			623490				
60			623785				
70			623570				
80			623504				
90			623290				
1900E			623509				
10			623472				

Prospect: Fentons Line No: 2250N

Co-ord	Time	Date	Gravimeter	Co-ord	Time	Date	Gravimeter
1550E		9.6.88	623020	1850E			623537
60			623080	80			623403
70			623090	90			623335
80			623020	1900E			623620
90			623180	10			623485
1600E			623120	20			623700
10			623260	30			623525
20	11.13		623403	40			623478
30			623618	50			623653
40			623660	60			623490
50			623872	70			623495
60			623660	80			623053
70			623403	90			623000
80			623485	2000E			623485
90			623055	10			623140
1700E			623080	20			623720
10			623220	30			623720
20			623640	40			623403
30			623670	50			623260
40			623052	60			623454
50	10.40		623810	70			623860
60			623400	80			623382
70			623785	90			623356
80			623085	2100E			623618
90			623790	10			623120
1800E			623740	20			623570
10			623511	30			623210
20			623855	40			623000
30			623513	50			623500
40			623440	60			623440
50			623303	70			623440
60	10.20		623044	80			623770

Prospect: Fentons Line No: 2300N

Co-ord	Time	Date	Gravimeter	Co-ord	Time	Date	Gravimeter
2140E			623312				
50			623620				
60			623525				
70			623575				
80			623220				
90			623460				
2200E	12.16		623520				
	End of line						

Prospect: Fentons. Line No: 2750N. 3/

Co-ord	Type	Date	Grammes	Co-ord	Type	Date	Grammes
2190E.		9.6.78	677105				
2200E			678830				
10			677160				
20			666860				
30			667995				
40			657115				
2250E	10.30		680160				
	End of Line						

Prospect: Fentons Line No: 2700N 1/

Co-ord	Type	Date	Grammes	Co-ord	Type	Date	Grammes
1500E	9.00	9.6.78	623160	1700E.			623698
10			626110	30	9.25		623664
20			623735	40			634142
30			623713	50			634019
40			624470	60			623860
50			623690	70			623995
60			623664	80			634012
70			630145	90			634345
80			623885	1800E			634890
90			623815	10			635105
1600E			630170	20			635465
10			623135	30			634980
20			634780	40			634220
30			633895	50			634715
40			623600	60			634938
50			623519	70			635010
60			630170	80			635107
70			630148	90			634260
80			623111	2000E			633970
90			633210	10			635200
1700E			633530	20			70135
10			633714	30			70150
20			634083	40			634365
30			634283	50			630160
40			634984	60	9.40		660460
50			634040	70			634863
60			634270	80			633763
70			634894	90			633630
80			634085	2100E			653234
90			633570	End of Line			
1800E			633855				
10			633695				

Prospect: Fentons Line No: 2400N 1/

Co-ord	Type	Date	Grammes	Co-ord	Type	Date	Grammes
1500E	2.20	5.6.78	623382	1700E			634080
10			626338	30			633905
20			623395	40			633685
30			626569	50			634015
40			633235	60			634132
50			626135	70			634340
60			628810	80			634460
70			623885	90			634490
80			633682	1900E			634342
90			633560	10			634405
1600E			633110	20			634870
10			633514	30			633483
20			634714	40			634690
30			630110	50			633245
40			626690	60			635680
50			633725	70			661160
60			633737	80			659725
70			633757	90			654430
80			626505	2000E	1.45		634741
90			633854	End of Line			
1700E			630080				
10			633542				
20			634930				
30			630900				
40			633760				
50			633905				
60			634310				
70	2.30		634495				
80			634754				
90			634657				
1800E			634477				
10			634658				

Prospect: Fentons Line No: 2350N 1

Co-ord	Type	Date	Grammes	Co-ord	Type	Date	Grammes
1500E	2.30	5.6.78	623485	1900E			634815
10			623475	30			634905
20			633760	40			634790
30			633713	50			635005
40			633830	60			634635
50			634040	70			634893
60			633870	80			634666
70			633885	90			635182
80			633861	1900E			635255
90			633835	10			634343
1800E			633677	20			633600
10			634900	30			634490
20			633880	40			634040
30			630146	50			634840
40			633659	60			633585
50			633580	70			661760
60			633330	80			676980
70	2.45		633273	90			635900
80			633555	2000E			677330
90			634955	End of Line			
1700E			634943				
10			633760				
20			633515				
30			633852				
40			633800				
50			634660				
60			633736				
70			634360				
80			634215				
90			634330				
1900E			634404				
10			634347				

Prospect: Fenton. Line No: 2500N

Co-ord	Time	Date	Gamma	Co-ord	Time	Date	Gamma
15000E	1205	5.6.88	62090	18200E			62390
10			62190	30			62330
20			62230	HO			62184
30			62500	50			62145
HO			62340	60			62050
50			62385	70			61975
60			62510	80			61885
70			62485	90			61838
80			62463	19000E			61330
90			62537	10			61380
16000E			62350	20			61330
10			62390	30			61340
20	1155		62300	HO			61393
30			62100	50			61403
HO			61925	60			61538
50			62040	70			61575
60			61884	80			61620
70			61985	90			61620
80			62090	20000E			61660
90			62435	10			61770
17000E			62342	20			61785
10			62343	30			61750
20			62550	HO			61750
30			62435	50			61700
HO			62640	60			61633
50			62830	70			61580
60			62730	80	1130		61605
70			62385	90			61600
80			62462	21000E			61710
90			62620	10			61870
18000E	1145		62627	20			61910
10			62591	30			61880

Prospect: Fenton. Line No: 2400N

Co-ord	Time	Date	Gamma	Co-ord	Time	Date	Gamma
15000E		5.6.88	62261	18200E			62047
10			62105	30			62088
20			62540	HO			62552
30			62370	50			62945
HO			62386	60			62656
50			62560	70			62430
60			62743	80			62505
70	1220		62577	90			62720
80			62420	19000E			62310
90			62053	10			62070
16000E			62088	20			62145
10			62232	30			62805
20			62183	HO			62480
30			62197	50			62538
HO			62134	60			62220
50			62106	70			62092
60			62275	80			62342
70			62051	90			62234
80			62064	22000E	1130		62330
90			62340		END OF LINE		
17000E			62450				
10			62143				
20			62390				
30			62378				
HO			62095				
50			62277				
60			62910				
70			62858				
80			62073				
90			62180				
17500E			62205				
10	1120		62120				

Prospect: Fenton. Line No: 2350N

Co-ord	Time	Date	Gamma	Co-ord	Time	Date	Gamma
15000E	1035	5.6.88	61309	18200E			61425
10			61735	30			61470
20			62223	HO			61505
30			62305	50			62370
HO			62308	60			61490
50			62472	70			61814
60			62320	80			61580
70			62110	90			61728
80			62010	19000E			61435
90			62700	10			61475
16000E			62580	20			61605
10			62880	30			61667
20			62863	HO			61660
30			62825	50			61635
HO			62787	60			61670
50			62730	70			61743
60			62923	80			62000
70			63000	90			62147
80			62515	20000E	1030		62440
90			61470		END OF LINE		
17000E			61735				
10			61370				
20			61430				
30	1020		61425				
HO			61475				
50			61490				
60			61480				
70			61915				
80			61990				
90			62398				
17000E			61443				
10			61425				

Prospect: Fenton. Line No: 2300N

Co-ord	Time	Date	Gamma	Co-ord	Time	Date	Gamma
21000E		5.6.88	62045				
50			62130				
60			61760				
70			61930				
80			61953				
90			62120				
22000E			62310				
10			62165				
20			62180				
30			62314				
HO			62495				
22500E	1115		62480				
	END OF LINE						

Prospect: Fentons — Line No: 2650N. 1/

Co-ord	Time	Date	Gamma	Co-ord	Time	Date	Gamma
1300E	0930	4.6.88	611448	1630E			612344
10			611490	30			612395
20			611535	40	1145		612665
30			611540	50			612820
40			611563	60			612880
50			611617	70			607753
60			612105	80			608445
70			612172	90			611320
80			612260	1700E			611117
90			612305	10			611237
1400E			612309	20			611214
10			612355	30			611293
20			612370	40			611330
30			611925	50			611400
40			611946	60			611430
50			612004	70			611465
60			612090	80			611470
70			612080	90			611503
80			612210	1800E			611520
90			612315	10			611535
1500E			612150	20			611735
10			612160	30			611785
20			612300	40			611814
30			613000	50			611940
40			613168	60			611947
50			613205	70	1435		611500
60			613303	80			611435
70			613370	90			611511
80			613390	1900E			611514
90			613325	10			611678
1600E			613315	20			611723

Prospect: Fentons — Line No: 2650N. 1/

Co-ord	Time	Date	Gamma	Co-ord	Time	Date	Gamma
1500E	1032	5.6.88	611327	1830E			611745
10			611462	30			611685
20			611533	40			611505
30			611605	50			611490
40			611587	60			611460
50			611820	70			611670
60			612764	80			611768
70			611155	90			611715
80			611350	1900E			611710
90			611895	10			611810
1600E			611510	20			611775
10			611510	30			611850
20			611795	40			611790
30			611790	50			611677
40			612148	60			611810
50			612110	70			611895
60			611995	80			611856
70			611987	90			611990
80	1445		612040	2000E	1435		611900
90			612190	End of line			
1700E			612322				
10			612515				
20			611935				
30			611880				
40			611595				
50			611508				
60			611765				
70			611960				
80			611585				
90			611660				
1800E			611595				

Prospect: Fentons — Line No: 2650N. 2/

Co-ord	Time	Date	Gamma	Co-ord	Time	Date	Gamma
1940E		4.6.88	611627				
50			611940				
60			611565				
70			611615				
80			611638				
90			611650				
2000E			611782				
10			611745				
20			611940				
30			611605				
40			611610				
50			611508				
60			611535				
70			611420				
80			611440				
90			611480				
2100E	1430		611486				
	End of line						

Prospect: Hazelwood Fentons — Line No: 2700N. 1/

Co-ord	Time	Date	Gamma	Co-ord	Time	Date	Gamma
1300E			632303	1830E			611693
10			630980	30			611672
20			589332	40			611682
30			589140	50			611414
40			583776	60			611610
50			588986	70			611636
60			588720	80			611657
70			589333	90			611613
80			589414	1900E			611478
90			590190	10			611568
1600E			590305	20			611615
10			590460	30			611618
20			590715	40			611484
30			590900	50			611503
40			611030	60			611443
50			611166	70			611548
60	1320		611215	80			611719
70			611300	90			611705
80			611369	2000E			611648
90			611350	End of line			
1700E			611363				
10			611350				
20			611575				
30			611533				
40			611550				
50			611420				
60			611300				
70			611246				
80			611214				
90			611435				
1800E			611550				
10			611538				

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Prospect: Fentons. Line No: 2700N.

Co-ord.	Time	Date	Gamma	Co-ord.	Time	Date	Gamma
1500E.		26.8.88	63455	1820E.			61337
10			63440	30			61570
20			63372	40			61700
30			63320	50			61830
40			63275	60	11:00		61585
50			63460	70			62072
60			63760	80			62620
70			63197	90			62725
80			63285	1900E			62725
90			63340	10			62890
1600E			62720	20			62885
10			62566	30			63070
20			62720	40			63138
30			61550	50			62710
40			61460	60			62765
50			61080	70			62815
60			60683	80			63343
70			60490	90			63960
80			60966	2000E.			63810
90			61370	10			61620
1700E			61218	20			63970
10			60575	30			59577
20			60570	40			62240
30			60685	50			63285
40			60500	60			63135
50	10:45.		60766	70			64019
60			61150	80			63320
70			60645	90			63620
80			60490	2100E			62320
90			60940	10			63365
1800E			60870	20			64170
10			61010	30			65310

Prospect: Hazelwood Fentons Line No: 2800N

Co-ord.	Time	Date	Gamma	Co-ord.	Time	Date	Gamma
1500E	1:42	26.8.88	64710	1820E.			61360
10			64790	30			61235
20			64910	40			61226
30			64920	50			61355
40			64920	60			61400
50			64960	70			61395
60			65720	80			61350
70	1:38		66720	90			61390
80			64790	1900E			61395
90			63891	10			61330
1600E			64350	20			61305
10			64225	30			61315
20			63940	40			61380
30			62242	50			61370
40			62024	60			61345
50			61779	70			61343
60			61610	80			61130
70			61342	90			60992
80			62090	2000E			60735
90			61767	10			60645
1700E			62060	20			60620
10			62598	30			60535
20			64431	40			60420
30			65240	2050E	11:56		60000
40			62205	End of Line.			
50			62864				
60			61770				
70			61385				
80			61771				
90			61945				
1750E	1:32		61900				
10			61340				

Prospect: Fentons Line No: 3000N

Co-ord.	Time	Date	Gamma	Co-ord.	Time	Date	Gamma
1500E	10:15	26.8.88	61490	1920E.			63990
10			61392	30			63810
20			61160	40			63486
30			61345	50			63345
40			61555	60			63455
50			62150	70			63802
60			62420	80			63935
70			62625	90			63340
80			63175	2000E	9:30		64020
90			62670	End of Line.			
1700E			62780				
10			62665				
20			62890				
30			62850				
40			62815				
50			63305				
60			63250				
70			63255				
80			63090				
90	10:33		63200				
1800E			63370				
10			64115				
20			64715				
30			65390				
40			65820				
50			65960				
60			64280				
70			63700				
80			64000				
90	3:43		64400				
1900E			64490				
10			63960				

Prospect: Fentons Line No: 2900N

Co-ord.	Time	Date	Gamma	Co-ord.	Time	Date	Gamma
2140E.			66260				
50			65970				
60			63590				
70			62270				
80			62180				
90			63050				
2200E			63185				
10			63210				
20			63150				
30			63170				
40			63515				
2250E.	11:36		63695				
End of Line.							

Prospect: Fentons. Line No: 3200N.

Co-ord.	Time	Date	Grevities
1600E.	2.50	3.6.88	63440
10			62950
20			62373
30			62510
40			62780
50			63000
60			62670
70			62730
80			63444
90			63510
1700E.			63640
10			64030
20	2.40		64060
30			64060
40			63940
50			63987
60			63566
70			63660
80			63460
90			63348
1800E.			63620
10			64200
20			64730
30			64900
40			65045
50			64925
60			64905
70			64845
80			64655
90			64820
1900E			64868
10			65230
20			65240
30			65190
40			65140
50			65190
60			65130
70			65260
80			65660
90			64680
2000E.			64130
10			64700
20			65020
30			65000
40			65180
50			65230
60			64780
70			64760
80			64930
90			64950
2100E.			65000
10			64430
20			65720
30			65710

Prospect: Fentons. Line No: 3400N.

Co-ord.	Time	Date	Grevities
1600E.	3.20	3.6.88	62844
10			62844
20			62280
30			62070
40			62792
50			62490
60			62293
70			62375
80	3.35		62336
90			62673
1700E.			62900
10			62895
20			62965
30			62735
40			62820
50			62790
60			62845
70			62960
80			63180
90			63593
1800E.	3.45		63825
10			63644
20			63500
30			63400
40			63840
50			63875
60			63810
70			63980
80			63790
90			64060
1900E.			64062
10			64440
20			64320
30			64035
40			64040
50			64170
60			64590
70			65000
80			65093

End Of Line.

Prospect: Fentons. Line No: 3300N.

Co-ord.	Time	Date	Grevities
1600E.	12.50	3.6.88	64782
10			64775
20			64960
30			64855
40			64925
50			64990
60			64976
70			65220
80			66100
90			65860
1700E.	12.17		66350
10			65440
20			64825
30			64730
40			64330
50			64585
60			64830
70			65135
80			65293
90			65660
1800E			65660
10			65573
20			65715
30			65540
40			65140
50			64695
60			63925
70			63190
80			63695
90			64130
1900E			63770
10			63045
20			63040
30			63190
40			63175
50			63450
60			63420
70			63480
80			63525
90			63600
2000E.			63650
10			63710
20			63750
30			63850
40			63885
50			63500
60			63500
70			63591
80			63640
90			63660
2100E.			63610
10			63640
20			63440
30			63385
40			63385
50			63465
60			63560
70			63675
80			63825
90			64090
2200E.			64195
10			64072
20			64055
30			64140
40			63764
50			63760
60	12.50		63910
70			63948
80			63970
90			63866
2300E.			63940
10			64025
20			64055

Prospect: Fentons. Line No: 3200N.

Co-ord.	Time	Date	Grevities
2240E.	1.00	3.6.88	66000
50			66130

End Of Line.

Prospect: Fentons. Line No: 3300N.

Co-ord.	Time	Date	Grevities
2200E.		3.6.88	64780
50			64780
60			64765
70			64445
80			64600
90			64780
2300E.	1.00pm		64725

End Of Line.

068

720066

Prospect: Fenton's Spec Line — Line No: 1800E — 3/

Co-ord	Type	Date	Gamma's	Co-ord	Type	Date	Gamma's
1400N		23/6/88	62460	1950N			62233
1650N			62790	70			62260
60			62711	80			62290
70			62646	90			62180
80			62315	2000N	1.50		62010
90			62570	10		10/6/88	61990
1700N			62490	20			61959
10			62280	30			62240
20			62660	40			62260
30			62705	2050N			62290
40			62728	60			62100
1750N			62703	70			62070
60			62750	80			62298
70			62668	90			62000
80			62550	2100N			62264
90			62480	10			62271
1800N			62520	20			62287
10			62570	30			62305
20			62490	40			62315
30			62776	2150N			62260
40			62444	60	1.50		62275
1850N			62490	70			62296
60			62440	80			62407
70			62615	90			62444
80			62515	2200N			62283
90			62622	10			62456
1900N	2.00		62496	20			62405
10	1.45		62360	30			62458
20			62440	40			62445
30			62626	2250N			62370
40			62377	60			62360
1950N			62380	70			62397

Prospect: Hazelwood Fenton's Spec Line — Line No: 1800E — 1/

Co-ord	Type	Date	Gamma's	Co-ord	Type	Date	Gamma's
1000N	new	23/6/88	62335	1350N			62462
10			62360	30			62457
20			62430	40			62540
30			62328	1350N			62440
40			62278	60			62282
1050N			61952	70			62244
60			62278	80			61970
70			62383	90			62062
80			62380	1400N			62282
90			62415	10			62454
1100N			62435	20			62442
10			62488	30			62460
20			62457	40			62360
30			62475	1450N	10.10		62340
40			62385	60			62413
1150N			62425	70			62488
60			62430	80			62382
70			62462	90			62445
80			62500	1500N			62425
90			62480	10			62470
1200N			62408	20			62495
10			62440	30			62400
20			61926	40			62380
30			61875	1550N			62490
40			61940	60			61500
1250N			62062	70			62462
60			62025	80			62215
70			62408	90			62380
80			62366	1600N			62495
90			62388	10			62420
1300N			62428	20			62415
10			62394	30			62430

Prospect: Fenton's Spec Line — Line No: 1800E — 4/

Co-ord	Type	Date	Gamma's	Co-ord	Type	Date	Gamma's
2020N		24/6/88	62210	3240N			62402
30			62150	3250N			62305
40			62160	60			62345
2050N			62270	70			62400
60			62280	80			62508
70			62290	90			62520
80			62410	3300N			62670
90			62360	10			61944
2100N	11.48		62386	20			62442
10			62420	30			62440
20			62485	40			62490
30			62482	3350N			62550
40			62420	60			62481
3050N			62405	70			62510
60			62390	80			62465
70			62375	90	4.43		62470
80	9.26		62368	3400N	11.10		62460
90			62388	10			62450
3100N	4.20	24/6/88	62300	20			62422
10			62315	30			62385
20			62300	40			62435
30			62280	3450N			62425
40			62260	60			62420
3150N			62290	70			62380
60			62305	80			62375
70			62287	90			62345
80			62270	3500N			62310
90			62210	10			62288
3200N			62211	20			62300
10			62285	3526N	11.25		62345
20			62230		End of Line		
30			62256				

Prospect: Fenton's Spec Line — Line No: 1800E — 3/

Co-ord	Type	Date	Gamma's	Co-ord	Type	Date	Gamma's
2250N		23/6/88	62260	2450N			61960
90			62272	10			61948
2300N			62287	20			61958
10			62286	30			61957
30			62291	40	3.15	9.6/88	61922
30			62620	2500N		11.6/88	61990
40			61940	60			61985
2350N	3.15	5.6/88	61940	70			61944
60			61924	80			61948
70			61948	90			61988
80			61980	2700N			61955
90			61966	10			61944
2400N			61944	20			61940
10			62350	30			61945
20			62311	40			61928
30			62267	2750N			61940
40			62505	60			61900
2450N			62305	70			61940
60			62318	80			61950
70			62370	90	11.05		61908
80			62270	2800N	13.15		61885
90			62284	10			61945
2500N			62345	20			61940
10			61905	30			62287
20			62022	40			62358
30			62060	2850N			62060
40			62070	60			62280
2550N			61980	70			62360
60			61920	80			61940
70			61953	90			61960
80			61980	2900N	13.03		62050
90	3.30		61970	10			62345

720067

Prospect: Fenions - Nipisiquit Con. Line No: 3400N

Co-ord	Time	Date	Remarks	Co-ord	Time	Date	Remarks
1500E	11:45	2.6.88	63042	1900E			63510
10			63022	30			63375
20			63022	40	12:47		63185
30			63008	50			63540
40			63000	60			63475
50			63015	70			63030
60			63175	80			63235
70			63315	90			62590
80			63478	1900E			62435
90	11:38		62467	10			62560
1600E			63439	20			62697
10			63652	30			62750
20			63545	40			62845
30			63535	50			62875
40			63630	60			62958
50			63670	70			62995
60			63640	80			63094
70			63668	90			63123
80			63681	2000E			63145
90	11:20		62710	10			63176
1700E	11:08	2.6.88	63620	20			63195
10			62680	30			63330
20			62900	40			63315
30			63490	50			63372
40			63910	60			63465
50			63640	70	12:22		63573
60			63630	80			63637
70			63930	90			63721
80			64007	2100E			63878
90			62760	10			63908
1900E			63570	20			63935
10			63375	30			63985

Prospect: Hazelwood. Nipisiquit Con. Base Line. Line No: 2200E.

Co-ord	Time	Date	Remarks	Co-ord	Time	Date	Remarks
3490N	1:40	2.6.88	62930				
60			62965				
70			62000				
80			62933				
90			62834				
3500N			62770				
10			62915				
20			62895				
30			62850				
40			62870				
3550N			62912				
60	2:30		62845				
70			62840				
80			62841				
90			62888				
3600N			62920				
10	3:05		62900				
20			62880				
30			62835				
40			62820				
3650N			62700				
60			62810				
70			62780				
80			62750				
90	3:45		62750				
3700N			62700				
10			62660				
20			62625				
30			62620				
40			62600				
3750N	4:01		62520				
End of Base Line							

Prospect: Fenions - Nipisiquit Con. Line No: 3400N

Co-ord	Time	Date	Remarks	Co-ord	Time	Date	Remarks
1450E	9:10	2.6.88	61860	1750E			63325
40			61920	60	9:38		62880
50			62170	70			63160
60			62600	80			63250
70			62760	90			63215
80			62975	1900E			63025
90			63088	10			62930
1500E			63227	20			62900
10			63465	30			62907
20			63220	40			62765
30	9:55		63390	50			62786
40			63255	60			63070
50			63320	70			63154
60			63286	80			63250
70			63365	90			63215
80			63430	1900E			63530
90			63435	10			63090
1600E	9:50		63600	20			62980
10			63646	30			63060
20			63555	40			63150
30			63520	50			63036
40			63460	60			62970
50			63500	70			62845
60			63340	80			62717
70			63200	90	9:20		62755
80			63161	2000E	10:45	2.6.88	62930
90			63170	10			63039
1700E			63115	20			63088
10			63000	30			63113
20			63260	40			63240
30			63045	50			63356
40			62980	60			63424

Prospect: Fenions Nipisiquit Con. Line No: 3400N Con.

Co-ord	Time	Date	Remarks	
2100E		2.6.88	63915	
50			63930	
60			63942	
70			64043	
80			63962	
90			63895	
2200E			63970	
10			63930	
20			63920	
30			63905	
40			63875	
2250E	12:01		64165	End of Line.

PROSPECT: FENTONS, WARRAWEE CRK. LINE NO: 3500N.

Co-ORD	TIME	DATE	GRAVITY
22005E	1400	26 JUL 88	63770
10			63940
20			64040
30			64130
40			64220
50			64295
60			64355
70			64415
80			64485
90			65044
23005E			65268

END OF LINE.

PROSPECT: FENTONS, WARRAWEE CRK. LINE NO: 3450N.

Co-ORD	TIME	DATE	GRAVITY
20705		26 JUL 88	63496
80			63495
90			63547
21005E			63557
10			63636
20			63665
30			63668
40			63686
50			63670
60			63720
70			63773
80			63789
90			63874
22005E	1110		63944
10	1130		64090
20			64234
30	1155		64370
40			64710
50			64500

END OF LINE.

PROSPECT: FENTONS, WARRAWEE CRK. LINE NO: 3600N.

Co-ORD	TIME	DATE	GRAVITY
21505E	1230	26 JUL 88	65535
60			63530
70			63575
80			63645
90			63660
22005E			63930
10			64100
20			64660
30			65070
40			65215
50			65050
60			64520
70			64355
80			64310
90			64405
23005E	1445		65140

END OF LINE.

PROSPECT: FENTONS, WARRAWEE CRK. LINE NO: 3550N.

Co-ORD	TIME	DATE	GRAVITY
21505E		26 JUL 88	63620
60			63660
70			63652
80			63740
90			63770
22005E	1400		63910
10			63936
20			64140
30			64460
40			63945
50			64775
60			65190
70			65110
80	1415		64700
90			65640
23005E			65405

END OF LINE.

PROSPECT: FENTONS WHARANGA CRK. LINE No: 3700N

Co-ORD	TYPE	DATE	GERMANES
2200E.		26 88	63700
10			63742
20			63835
30			63850
40			63900
50			63933
60			63980
70			64050
80			64088
90			64190
2300E.			65020
10			64530
20			64485
30			64465
40			64435
50			64425
60			64475
70			64495
80			64535
90			64490
2400E.			64515
10			64460
20	#40		64735
30			64745
40			64840
50			64937
60			65290
70			65370
80			64975
90			63028
2500E			65135
10			64930

Co-ORD	TYPE	DATE	GERMANES
2520E.			65460
30			65020
40			64710
50			64850
60			65300
70			65290
80			64987
90			64770
2600E.			64440
10			64595
20			64725
30			64480
40			64150
2650E.	#50		64285

End Of Line.

PROSPECT: FENTONS WHARANGA CRK. LINE No: 3650N

Co-ORD	TYPE	DATE	GERMANES
2150E		26 88	63430
60			63592
70			63595
80			63715
90			63635
2200E			65700
10			63755
20			64840
30			63980
40			64070
50			64132
60			64175
70			64375
80			64735
90			64915
2300E	536		64735

End Of Line

PROSPECT. FENTONS. WHARANGA CRK. LINE No. 3750N

Co-ORD	TYPE	DATE	GERMANES
2200E	#10.	26 88	63520
10			63638
20			63625
30			63680
40			63725
50			63740
60			63792
70			63800
80			63803
90			63990
2300E			64060
10			64200
20			64257
30			64310
40			64173
60			64265
60			64345
70			64317
80			64246
90			64275
2400E			64272
10			64320
20			64380
30	#25		64377
40			64410
50			64368
60			64445
70			64540
80			64790
90			65102
2500E.			64730
10			64930

Co-ORD	TYPE	DATE	GERMANES
2520E			65190
30			64885
40			64575
50			64440
60			64775
70			64710
80			64730
90			64440
2600E.	#35		65095

End Of Line.

APPENDIX 1C

GROUND MAGNETIC DATA AND MAPS

7673

5 cm

AMG grid north

88-2876

Data processing by CAD–MAP PTY LTD

* Search Limit Radius = 200m
* Grid Size = 10m X 10m
* Contour Interval = 10nT

720071

1:2500

0 50 100 150 200 250

BIG RESOURCES LTD

FENTON'S PROSPECT

7673

GROUND MAGNETIC SURVEY

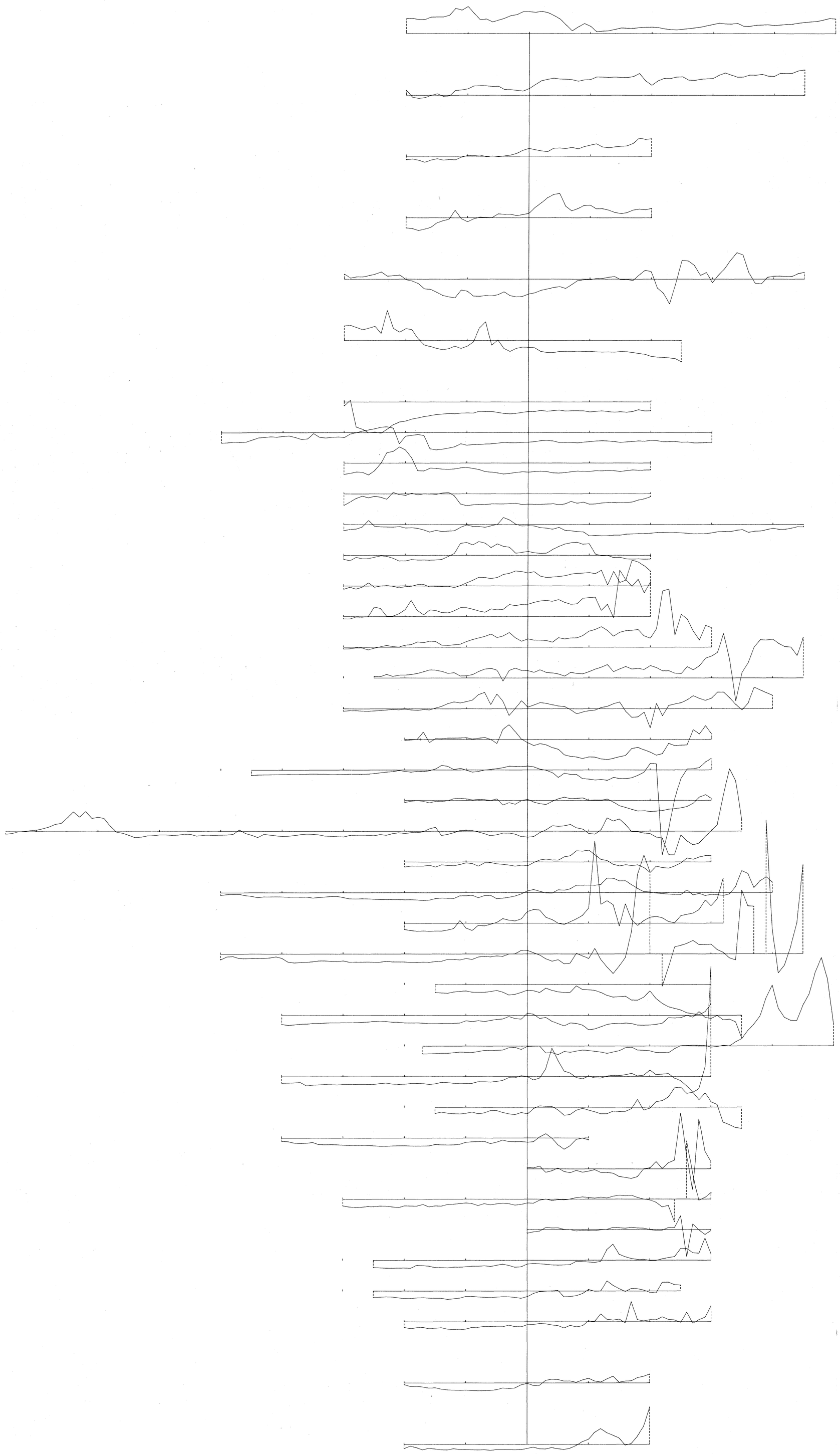
GEOPHYSICAL EXPLORATION CONSULTANTS PTY LTD

Hugh Rutter | SEPT 1988

7674

900E 1000E 1100E 1200E 1300E 1400E 1500E 1600E 1700E 1800E 1900E 2000E 2100E 2200E 2300E

3300N
3200N
3100N
3000N
2900N
2800N
2700N
2650N
2600N
2550N
2500N
2450N
2400N
2350N
2300N
2250N
2200N
2150N
2100N
2050N
2000N
1950N
1900N
1850N
1800N
1750N
1700N
1650N
1600N
1550N
1500N
1450N
1400N
1350N
1300N
1250N
1200N
1100N
1000N



BASELINE

SCALE 1:2500
50m 25m 0m 50m 100m

720072
88-2876

TOTAL MAGNETIC PROFILES

VERTICAL SCALE : 2000 nT/cm
BASE LEVEL : 62800 nT
5 cm

7674

BIG RESOURCES MANAGEMENT LTD

HEAZLEWOOD E.L. 21/85
Tasmania

FENTON'S

MAGNETOMETER SURVEY

PROFILES

COMPILED BY SCINTREX PTY LTD AUGUST 1988

C232 PLATE 7

Dwg. No.: 02/HZ/4/08

88-2876

1600 E
bn weath. S/D
D, S/C (S), ns Cr
weath. D approx 15% pod Cr, Px IL. min Cr layers
S D Cr <8%
Cr <5%
c.g. Px IL. with D, up to 8%Cr disc
laminated S D, approx 8%Cr
S Px showing pseudomyloniite texture
S D, 5%Cr
S D, 15%Cr
S Px V, 40cm thick 20%Cr in cr weath. D
S V
up to 20%Cr in areas
S D minor Cr in layers
weath. D c.g. Cr ≈10%
S D, 10%Cr
D 15%Cr
S D 5%foliated Cr
15% pod Cr (sample 311900)
Peg Px IL.
(S) D s/c
S D, s/c, 10%Cr
D, 10%Cr
S D, Cr ≈8-10%(fl)
S D fl
s/c, S D minor s/c of Peg Px IL.
S D c/c in creek, Cr ≈5%
S D with ≈5%f.g. diss Cr
(S) D, yw crystals of ol?, v minor Cr
(S) D
D, brecciated with S Vits
Brecciated S D, to fracture fill, Px IL.
Px D
Hz fl
mod fractured D, mag fill + diss Cr ≈20%
D, mag? fracture fill
S D s/c, min diss Cr, mag Vits
D ≈Cr 5%
S D, Px IL, Cr 5% in D layering 164/80°W
S D, Px IL + gn serp Vits
IL 5% S D
S Hz c/c ?
mag breccia
(S) D, min frac, mag vein fill
bn weath D S/C with min Cr
c.g. Px layer 160/v
(S) D, mag frac fill + ≈5% Cr
S D, IL Px - minor brecciation
ab bn quartzite brec
sheared D, (087°)
SD with S vits
S Hz & D, s/c? - mag vits?
gab fl
Peg Px fl -2000E

down slope
dense vegetation
D fl with Px trains + min Cr
Fiss D
D, pod Cr, foliated 024°
D,S/Vits
m.g. Cr in D
D s/c
Green S/Vits in D, minor
weath D fl
Scree slope
Valley
D, pod Cr 2-5%
D, s/c with Cr trains
SVits, min Px, V
D, SVits
S, IL, Hz, D ≈5%Cr (164/60°E)
S veins in D up to 20%Cr 150/80°S
S D Hz fl
≈40°
S D ≈10%Cr
Scree slope
ironstone fl - not magnetic
IL. D, Px fl, min D fl
D (Px IL.)
D fl, no Px fl
S D (Px), SVits in D - SVits
D, Px IL. fl, min Cr bands
D?
Px D, OPx with Px IL.
D, Px IL. + (gn, wh SV)
D, 2-3% Cr
bn q fl - agate
(S) D, up to 10% Cr
D, min SV
q fl
m-c.g. Px fl
q brec SD with mag fill, Cr fault? sample 300034

Valley
m-c.g. Cr in D
fiss D
gn S banding
D fl with pod Cr up to 10%
D fl
Thick ground cover & vegtn
D s/c
ab Px fl + IL. D Px
Px ol
D, tr Cr
Px rubble
IL. Px D ol Px (Hz)
c.g. Px IL.
Thick serp veining
Px D with Px IL.
ab Px IL.
S D
Px D (IL. Px) some SVits Px ab serp veins between grains
Px D + IL. Px
D (fissile?)
Px D
Px + ol Px
S
Px
q fl/ s/c?
wh weath, Px D
Pseudomylonitised Px in D
ridge
ridge
approx

D fl with 10%Cr
Px fl
Fiss D
S D ≈5%Cr
Fiss D
Some peg Px with pod Cr
D min Cr
gn serp banding
D fl with splash of Cr
Dense vegetation + alluvium
min Px fl, D fl
D fl with Cr trains
c.g. Cr ?? fl
Scree
D, S Px blobs
Thick serp V in Px D
Px veins in ol, Px
S, ol Px
D rubble
D
D?
Px D, min Px IL.
D, small Px veins
(S)D, Cr trans, some pod (sample 300036)
Px IL. in Px D
Dense vegetation
D, min f.g. Cr (≈5%)
Px D/ol Px
Hz
c.g. Px IL. in S D
Px
Px IL. in D
ab festone, tract D
D, SVits (mild brec)
Dense vegetation
Brecciated D

S Px o/c? with up to 10% pod Cr (to L0cm)
(sample 300033)
ab S Px fl, min pod Cr
D, min m.g. - c.g. Cr <5%
S V ≈020°
small clearing
D with Px IL. fl
D fl
Very dense veg
D
D Hz S/c?
Px fl
D, min Cr
Px ridge (ol Px)
D
IL. Px in Px D
S D with min Cr
IL. Px in Px D(ridge)
Px fl
Dense vegetation
clearing
q fl
S Px D
Dense vegetation
Px D
D
Px D with Px IL.
wh Px D
ab festone
wh D + Px IL.
Pseudomylonitised Hz wh D
IL. Px, Px D
Px D
D
Dense vegetation
S D with Px IL. which are intensely S veined m.g. Cr bands in D 1-3cm thick (sample 300035)
(S) D with Px IL.
Px D
D, Px IL.
ol Px with c.g. Px IL.
(S) D
wh weath, S D + Px IL.
Pseudomylonitised Hz

Dense vegtn min D, Px fl
incr serp?
ab S Px fl
S D with Px IL.
Px fl + min wh D fl
Px D fl
Very dense vegetation
★ (Sample 300028)
D, min Cr
Pod Cr trains 3cm thick with up to 5%Cr
intense SVits giving "breccia texture"
D
Dense veg
D, V min Cr <3%
Float of Cr, very c.g.
★ (sample 300032)
Hz fl
D
D
Fiss D
D, min SVits
Px ridge with Px veins
D
Px IL.
D
min SVits + Px IL.
S D
increase in SVits Px IL., expect Cr?
D, Px IL. (coarse) minor SV
S Px
IL. D, Px D, Hz rubble
S D, Px min SV
S D, Px, serp veins to 1cm
q fault brec 032°
intensely veined D wh weath S D
Lineated wh D
Px layers ≈1m
Px S/c
altered S D, or coloured with 5% Cr
Dense vegtn
incr serp?
(S) D min Cr
Dense vegtn
D o/c
min Cr
Cr bearing Px fl
ridge
lge D fl, Cr trains 5cm wide, ≈10%
Px D
(Px) d
Pod Ch
Px assoc with Cr
Pod Ch in brec D
c.g. Cr in D (Px D) min veining
D, min veining
Dense vegetation
Px D
Px
Hz
Hz + s/c + Px IL., D
ol Px, Hz
D + Px D
lge Px fl
min serp V
Hz, ol Px layer
D, (S)
Dense ground cover
D (Px IL.)
Px D fl
min SVits
Dense vegetation
(S) D min Px IL.
less serp D (lam)
or, altered D?
Dense vegetation
Px D s/c
wh D
S Px, min SVit vegetation
Lam S D
D, Cr layer ≈1cm s/c?
Px IL. with D
Px D
Px fl
D

more c.g. Cr
D banded apparent min c.g. Cr up to 8%
D
Cr fl, quite lge pieces 4-5cm thick (Sample 300031)
Very dense vegetation
D Px IL.
ol Px with Px IL. 030/70°W
Dense vegetation
D, with mm bk veins
Px D
D, min Cr, trains of Px
wh D
Px IL.
intensely veined wh D (serp)
q fl layered wh rock float with m.g. Cr vegetation
S Px fl
Px D
Px
S D
Highly weath Hz (ferruginous)
Px, c.g.-peg

Scree slope of D (weath S?)
(Px in D?)
Peg Px fl with pod Cr
Dense vegtn
D, min Cr
Fiss D o/c
D Cr ≈5%
Fiss D a/c
Peg Px fl with pod Cr + D fl
Lge D fl, min pod Cr
D fl, min f.g. Cr
Px fl with Cr
Fiss D, Px fl with V pod Cr up to L0cm
★ (Sample 300026)
ab S Px fl ?
Fiss D
★ Pod Cr in weath D (sample 300025)
Dense vegetation
Cr trains dipping W
Serp veins dipping E
Cr trains 020° mod brec D mod Vits (polk Px with Cr) min m.g. Cr
D, min SVits
Dense vegetation
D ★ (Sample 300024) lge serp veins ≈8cm with 3cm core
Hz ≈3% f.g. Cr
D
Yw weath D, ≈5% fine Cr
D, min SVits, pod Cr to 10%
D, up to 15% pod Cr (Sample 300022)
D
D, mag, serp Vits, up to 15% m.g. Cr + pod Cr trains ≈N-S (Sample 300023)
D, 5-10% m-f.g. Cr in D
small patches S V
Gn amorphous S V
Poddy of IL. Px in D
Hz
IL. Px D
min Vits
D
Scree slope of D, min m.g. Cr
Px fl
Dense vegetation
D
Px fl
lge Px/Hz fl
min bk Vits
Dense vegetation
D Hz(P≥D) Hz
Px D, min Cr
Px
D, min SVits
Dense vegtn
D, V min Cr ≈2%
D, min m.g. Cr ≈35
Dense ground cover
ab Px fl
Yw of D, up to 8%Cr (Sample 300020)
ab Px fl
D
(S) Px fl
Dense vegetation
D
S (D)
Px
S D up to 5% Cr
Px IL.
c.g. Hz
D, SVits
q brec 020°
intensely ferruginised + SVits

Pod Sr trains in weath D
Splashes of c.g. Cr to 2mm
S with ab serp wh veining & blue mineral (hetyerite?) ★ (Sample 300017)
D
m.g. Cr
D, splashes Cr
bk veining, N-S fol 5% m.g. Cr
Alluvial sample
dk veining, quite intense 4cm thick, zone of 8% Cr
Dense vegetation
D fl
Cr to 8%
D
IL of Px Hz(min D)
Px IL.
D
min Cr
Zone of f-m.g. Cr in D
Px IL.
ab Px fl + S/c
D, min Cr ≈5%
q fl
Hz + Px IL.
Apple green Px
D
ab Px fl
D, Px IL.
(S) Px
Small D, IL.
q fl
Hz brec/q
wh S D
wh weath S D, min Px
ferruginous material intensely veined S D?
Pseudomylonitised Px wh weath D
VALLEY
Smaller trains 024/80°W in yel weath D with black banding (banding inc serp ??) (Sample 300016)
D, mag Vits
ab Px fl
V min Cr
Thick vegetation
Hz IL.
min mag veins
D up to 8% Cr (some lineation of Cr) ≈ 010° (Sample 300015)
D
D
Hz (ol Px)
gn D
D, Cr ≈10% (Sample 300014)
D
D, min Px trains
min S V
D, Px fl
c.g. Px IL. pods min brec, SVits Px, D, IL.
incr. in Px
Dense ground cover
D, bk veining
min v f.g. diss Cr in S D
wh D, ab bk (mag?) veins
q s/c ? (fault)
brec D
Pseudomylonitised Hz
Px D, D
Scree slope
D fl
q fl (fault)
Px
Intensely brec D
Brec ferruginised material

1600E 1700E 1800E 1900E 2000E 2100E 2200E

5 cm

720073

1000N 1100N 1200N 1300N 1400N 1500N 1600N 1700N 1800N

LITHOLOGIES
Anthor Anorthosite
ch Chromitite
dol Dolerite
D Dunite
gab/nor Gabbro/Norite
Hz Harzburgite
OPx Orthopyroxenite
Px Pyroxenite
PPO Sêca/Calc Silicate PPO rock
troct Troctolite
23 Whole rock sample no
s Serpentinite
peg Pegmatite
LR Leopard Rock
B Basalt

MINERAL QUALIFIERS
absts Asbestos
chalc Chalcedony
chrys Chrysocolla
Cr Chromite
fe stone Iron stone
mag Magnetite
mica Micaceous
ol Olivene
plag Plagioclase
q Quartz
serp Serpentine
sil silica
Gn Sp Cp Py Sulphide
zar Zaratite
chl Chlorite

TEXTURE/FABRIC
ab Abundant
bx Brecciа/brecciated
diss Disseminated
fiss Fissile
fract Fractured
gran Granular
il. interlayered
lam Laminated
lge Large
min Minor
mod Moderate
peg Pegmatic
pod Podiform
ch Chert
felds Feldspar
phenos Phenocrysts
polk Blotchy
tr Trace
v Very
weath Weathered
Grain Size
cg Course grain
fg Fine grain
mg Medium Grain
decr Decreasing
incr Increasing
X line Crystalline
vegtn Vegetation

STRUCTURAL
Direction of Foliation
Direction of Sheared Zone
fl Float
( ) Moderate/incomplete
o/c Outcrop
"Pseudo" Mylonite
ol SV SVits Serpentine veinlets
Strike and dip of Jointing
Strike and dip of Layering
s/c Subcrop
V Vein
Vlt Veinlet

COLOURS
bk Black
bl Blue
bn Brown
crm Cream
dk Dark
gn Green
gy Grey
l Light
or Orange
p Pale
pk Pink
pu Purple
rd Red
wh White
yw Yellow

LOCATION MAP
Burnie
Launceston
HEAZLEWOOD
TAS
HOBART

MN
40°
GN

0 20 40 60 80 100
metres

★ Brec, ferruginised sheared D, with veining (Sample 300019)

043

METALS EXPLORATION LTD
HEAZLEWOOD EL 21/85
Tasmania
FENTONS GRID GEOLOGY
SHEET 1
Drawing No. 52/HZ/2-16

88-2876

SWORD — GRASS — HILL

CHROMITE HILL

FENTONS KNOB

BASELINE

BALD HILL NORTH

1000E 1100E 1200E 1300E 1400E 1500E 1600E 1700E 1800E 1900E 2000E 2100E 2200E 2300E 2400E 2500E 2600E

5 cm

LITHOLOGIES

Anthor	Anorthosite
ch	Chromitite
dol	Dolerite
D	Dunite
gab/nor	Gabbro/Norite
Hz	Harzburgite
OPx	Orthopyroxenite
Px	Pyroxenite
PPQ	Silica/Calc Silicate PPQ rock
troct	Troctolite
23	Whole rock sample no.
s	Serpentinite
peg	Pegmatite
LR	Leopard Rock
B	Basalt

MINERAL QUALIFIERS

abts	Asbestos
chalc	Chalcedony
chrys	Chrysocolla
Cr	Chromite
fe stone	Iron stone
mag	Magnetite
mica	Micaceous
ol	Olivene
plag	Plagioclase
q	Quartz
serp	Serpentine
sil	silica
Gn Sp Cp Py	Sulphide
zar	Zaratite
chl	Chlorite

TEXTURE/FABRIC

ab	Abundant
br	Breccia/brecciated
diss	Disseminated
fiss	Fissile
fract	Fractured
gran	Granular
IL	Interlayered
lam	Laminated
lge	Large
min	Minor
mod	Moderate
peg	Pegmatic
pod	Podiform
ch	Chert
felds	Feldspar
phenos	Phenocrysts
olk	Olikitic
tr	Trace
v	Very
weath	Weathered
	Grain Size
cg	Course grain
fg	Fine grain
mg	Medium Grain
decr	Decreasing
incr	Increasing
X line	Crystalline
vegtn	Vegetation

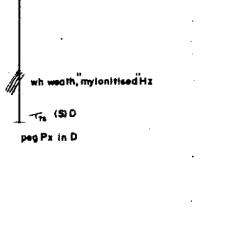
STRUCTURAL

- Direction of Foliation
- Direction of Sheared Zone
- fl Float
- ( ) Moderate/incomplete
- o/c Outcrop
- "Pseudo" Mylonite
- or SV,SVlts Serpentine veinlets
- Strike and dip of Jointing
- Strike and dip of Layering
- s/c Subcrop
- V Vein
- Vlt Veinlet

COLOURS

bk	Black
bl	Blue
bn	Brown
crm	Cream
dk	Dark
gn	Green
gy	Grey
l	Light
or	Orange
p	Pale
pk	Pink
pu	Purple
rd	Red
wh	White
yw	Yellow

LOCATION MAP





040



METALS EXPLORATION LTD.

Project	HEAZLEWOOD EL 21/85 Tasmania
Title	FENTONS GRID GEOLOGY SHEET 2
Author N Rollings	Office Perth
Drawn K J C	Date 4/88
Drawing No	02/HZ/2/04
Scale	1:1000
Revised	Date
AMG	SK55 3 7915 2
Fig No	

88-2876

1100E

1200E

1300E

1400E

1500E

1600E

1700E

1800E

1900E

2000E

2100E

2200E

2600N

2700N

2800N

2900N

3000N

3100N

3200N

3300N

3400N

D

Sample7
Pod Cr in D

D, min Cr trains

80

S D, foliated

D ft

v. dense vegtn cover

weath D, small serp blebs - Leopard rock (LR) dss throughout

weath ST

Dense vegtn

D ft

Sheared D, min Cr

Shear

D ft with thick serp veins

Pod Cr in D float only
* Sample 300042
lineation in rock

D

decr. S V

Fentons Knob 000°

Incr. S V

Sheared D SVits =022

min SVits

D, min Cr

alluvium?

D SVit network

Brec D
old grid line

Px ft

D ft

Dense surface cover

D, min Cr

D gravel

Px D with Px IL rock
+ SV

min Cr

D, min S V

weath

Fiss D

Fiss D, serp V 1cm thick

D

Dense vegtn

Dense vegtn
B surface cover

S(D)

SVits
foliated D, min Cr

min Px D ft

D

fiss D

D gravel - brecciated

D gravel

D (gn)

Scree of D

D ft with Px IL

Fiss D

D, min SVits
float

D, scree

Gully

Dense vegtn - alluvium

D

Scree

D, min S V

ferruginous q breccia float

Open patch of fiss D with S V

q breccia

q breccia

ab qtz in rocks

Gravel

S D ft

Very dense vegtn

Fiss D, S V

D ft

q ft

Fiss D

Very dense vegtn

ab gn ft, min bk vein

White bleached S, veined

Sheared? D, pod Cr in D ft

D scree

Pack track

Cr in D ft

Pod Ch in D

D

min c.g. Px ft

c.g. Cr in D ft

c.g. Px layers heavily S veined with v. thick veins in S (1 =8cm thick - expect cr ??

weath S D

ft (s/c) yw weath D, pod Ch =5% +Cr plates on serp veins
primary secondary

Dk S layer with calcite veining Sample 300041 ★

D ft with Px IL

Scree

S V in rock

LR

S component becoming more blobby - LR

(S) D gn S veins, min f-m.g. Cr
D qe float

S ? D scree

Very dense vegtn

Scree

(S) D, v. min Cr

q ft

White D ft

Yw weath D + wh D ft

q ft

ab q ft

Incr. in S V in D ft

S D (gn)

white D - mag veining

S D (white)

D, scree

lge calcite vein S D boulder

lge boulder of S D with intense calcite veining
★ Sample 300043

min m.g. Cr in D

Px layer with S V through - float only

LR

Incr. in veining in float

Dense vegtn
D ft, min SVits

Great

bk S with c.g. Px calcite veining

wh, D

D ft with pod Cr

LR

LR

LR

weath, S D with m.g. Cr =8%

Very dense vegtn

LR ft

Very dense vegtn

D ft

min q ft - fault

wh (S) D

Dense vegtn

wh, S D ft

Incr. in SVits

Dense vegtn

S D, a/c

SD
SD
SD
dark band

wh, weath D a/c

Dense vegtn

white weath S

wh, S D ft, q fault float

S D, min SVits

mag veining in S D
— fault near?

D with q fault ft
lge float

S (peg D) Px + D a/c

S with min f.g. Cr

weath S D with foliated Ch

c.g. Px in D ft

m.g. Cr in (S) D

White weath (S)? D

gully creek

gn, X line S + min Cr

LR ft

Px gn S

Calcite veining in bk S

(S) D scree + dense vegtn

LR

Dense vegtn + (S)? D scree

LR

Dense vegtn

weath gn S ft

Dense vegtn & ground cover

Very thick vegtn cover

LR, min m.g. Cr

White serp (after D)

D ft

D (S?) with m.g. Px IL

Px D (-Hz) a/c

S D

S D ft with S V (wh, gn)

S D

P gn D, (S)

lge ft of S with q fault breccia

S D a/c min silica veins

q fault ft

Px D

Dense vegtn & cover

LR ft

LR, 6% Cr in S blobs
★ Sample 300044

S with polygonal vein network, (coarse) expect Cr?

S D ft

c.g. Cr in D (S?)

S D

small patch S D with min Cr sparkley rock
(S) D, min m.g. Cr ★ Sample 300045 (Basalt?)

S D ft

S D

Very dense vegtn

D ft

D (S?) with m.g. Px IL

LR

LR, Cr in S blobs, similar to 3100 E side occurrence
LR

S D ft with min m.g. Cr

S D ft with m.g. Cr =5-10% Sample 300052

Laminated wh, weath LR

LR s/c - min S V

LR

Highly weath S D ft

min Px IL, D ft

S D ft with SVits + mag Cr =5%

S D, m-c.g. 8% CR(Px). Sample 300053

Laminated LR with S V

weath S D ft, min Cr

S ft, min f-m.g. Cr

S ft with 6% Cr Sample 300054

S with min asbestos? veining

Brecciated (S) D, Px D with wh veining

Incr. in S V in S D

weath S, ab S V + q bosworks
Sample 300055

S V in S D

Very dense sword grass

S ft with min Cr

q breccia ft

q fault breccia

S + weath S D, mag S V

S D a/c, min S V

Very dense vegtn

Very thick scrub

S Px ft, min c.g. Cr

S D, ab f.g. diss Cr. Sample 300047

S, ab thick serp (gn) veins
Sample 300046

gn S

S, c.g. Px, S D ft

S D, LR ft

S D ft

Dense vegtn

S D scree

LR, min m.g. Cr

(S) D, min Cr

Very dense vegtn

weath D with lge gn S V

bleached, S D, min Vits + Px ft

S ft

ab ft mag veined S Px D

S, Px D, ft

(S) D ft =5% f-m.g. Cr

(S) D, LR with 5% diss f-m.g. Cr

weath (S D) LR

LR ft, min foliation

Hard or bn weath D, similar to that seen on southern end of grid

LR

min S V in float

Very dense vegtn

S, c.g. Px + D with pod Cr ft. Sample 300050

Px ft, S D a/c

S D ft, m-c.g. CR

major alluvials

Very hard S Px ft

Top of small hill

LR,D

min Cr

Valley

Fractured D scree

LR scree

Boundary Plateau

Marrow's Creek

lge gully

D ft

(S) D ft

LR, D, S D

LR ft, min Cr

alluvials?

Dense ground cover

LR ft

Very thick vegtn

LR FL

LR

S ft

Hard bn S

alluvial material

LR

ft of brecciated S D
wh veining Sample 300051

(S) D

S D? 5-10% Cr
Sample 300049

5 cm

720074

041

LITHOLOGIES

Anthor	Anorthosite
ch	Chromitite
dol	Dunite
D	Dunite
gab/nor	Gabbro/Norite
Hz	Herzburgite
OPx	Orthopyroxenite
Px	Pyroxenite
PPG	Seca. Calc. silicate PPG rock
toct	Tectonite
23	Whole rock sample no
s	Serpentinite
peg	Pegmatite
LR	Leopard Rock
B	Basalt

MINERAL QUALIFIERS

abs/a	Asbestos
chalc	Chalcedony
chrys	Chrysocolla
Cr	Chromite
fe stone	iron stone
mag	Magnetite
mica	Micaceous
ol	Olivine
peg	Pegmatoid
q	Quartz
serp	Serpentine
sil	silica
Gn Sp Cp Py	Sulphide
zel	Zeolite
cal	Calcite

TEXTURE/FABRIC

ab	Abundant
br	Breccia/brecciated
diss	Disseminated
fiss	Fissile
fract	Fractured
gran	Granular
IL	interlayered
lam	Laminated
lge	Large
min	Minor
mod	Moderate
peg	Pegmatoid
pod	Podiform
ch	Chert
feldx	Feldspar
phenos	Phenocrysts
pk	Pinkish
tr	Trace
v	Very
weath	Weathered
	Grain Size
cg	Course grain
fg	Fine grain
mg	Medium Grain
decr	Decreasing
incr	Increasing
X line	Crystalline
vegtn	Vegetation

STRUCTURAL

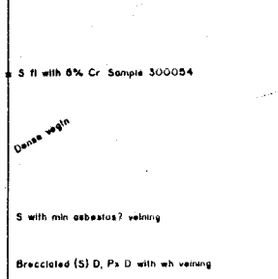
	Direction of Foliation
	Direction of Sheared Zone
ft	Float
	Moderate/incomplete
o/c	Outcrop
	"Pseudo" Mylonite
or Sv SVits	Serpentine veinlets
	Strike and dip of Jointing
	Strike and dip of Layering
s/c	Subcrop
V	Vein
Vlt	Veinlet

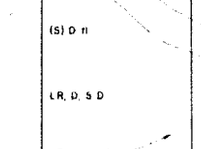
COLOURS

bk	Black
bl	Blue
bn	Brown
crm	Cream
dk	Dark
gn	Green
gy	Grey
lt	Light
or	Orange
p	Pale
pk	Pink
pu	Purple
rd	Red
wh	White
yw	Yellow

LOCATION MAP







METALS EXPLORATION LTD

HEAZLEWOOD EL 21/85
Tasmania

FENTONS GRID GEOLOGY

SHEET 3

Author: N Hastings | Date of Survey: | Scale: 1:500

Drawn by: | Date drawn: | Revised: | Date:

Drawing No: 02 nZ 4 37 | Approved: | Date approved: | Digitised:

88-2876

1500E

1600E

1700E

1800E

1900E

2000E

2100E

2200E

2300E

2400E

2500E

2600E

2700E

3400N 3500N 3600N 3700N 3800N 3900N 4000N 4100N 4200N

LR ft

Px blob with c.g. Cr in S D

S D, up to 10% m.g. Cr Px ft

D, LR scree

Very steep

Peg Px s/c?

m.g. Cr in D (S?)

Peg Px ft, chl after Px? ft

S Px, D, IL with c.g. Cr

S D, min SVlts (mag V?)

LR scree

c.g. Px ft

Scree

D ft with m.g. Cr = 8% or less

LR ft?

weath D scree

bas, S D ft, min Cr

c.g. Px ft with c.g. Cr = 10%, similar to that seen on Swordgrass Hill

ab Px ft with pod Cr

weath S ? D with f-m.g. Cr

ab, ft of peg Px, c.g.Cr

s/c? of peg Px with pod Cr =10%

S Px ft

weath Px? - ch

S D ft with qtz filled vugs, Sample 300059

Basalt ft

S D ft, m-c.g. Cr =8%

lge ft of spotted basalt?! 8-10% Cr

weath S? D with min m.g. Cr

Px IL, thick S V

lge ft, Px D, thick S V

Steep densely vegetated slope

S D s/c, min m.g. Cr

D ft, min m.g. Cr

LR + S D ft

Dense vegtn + assorted scree

Creek

S D, LR with mag V

S D, 1-2%

min f.g. Cr

SD, s/c

Fe rich metallic rock, not magnetic

S D ft

Scree

S D ft, min m.g. Cr

Dense cover

Ft of S D

qe fault float

LR

Hill 169

Scree slope of S D with V

LR ft

Scree slope of wh LR

wh, S D with asbestos slickensides

Valley

Dense vegtn

Dense ground cover

S D ft

slight hill + scree slope

opening flss D scree

lge ft of Fe stone - metallic

ab dikelets

Old hut

S Px D ft

S Px ft

S D, s/c

S ol Px ft

weath S flss D

dikelet

Dense vegtn cover

Steep hill

S D ft

S, ol, Px, ft

LR ft

Very dense vegtn

ft of metallic iron with slickensides float

weath D

ab dikelets

hard S ft

D ft, LR

Steep slope

wh, S D ft, min f.g. diss Cr

Top of hill

min hard S ft

D, serp V

ft, float ft, basalt ft

K dikelet dikelets

S D, 5-10% f.g. Cr

IL D + ol Px S D, min SVlts

S D, 5-10% f.g. Cr (ft)

Dense vegtn cover

D, min f.g. Cr

IL, weath D ft + SVlts

Dense vegtn cover

steep bank

LR ft

dikelets

Dense vegtn cover

(S) D, min mag V

Dense vegtn cover

small gully

Dense ground cover

S D ft, min mag V

LR

S D, similar to q rock of 3750N

Px s/c IL with D

LR s/c

S, Px, min mag V (ft)

S V, S D ft

Foliated S D

70

Creek

Dense ground cover

S Px ft

S ft, S D, min Cr

LR

wh weath S D

brec? Px

LR

S Px + D with c.g. Cr to 8%

gn S V

wh S D

weath gn S ft

Very hard gy gn S - q

Hard S ft

S, Px ft

S Px, 8% c.g. diss Cr

weath S D s/c, min f.g.Cr

Px IL

Incr. in S V

50?

S Px IL (s/c) =010

S D, Px IL ft, min Cr

S D ft

S Px ft

lge ft, D + Px IL

Px phenos in D, no Cr,

Dense cover

S D ft

LR

S D ft, min m.g. Cr

S D with 5-10% Cr (ft)

Dense vegtn

hard S ft

rare S D ft

D, min asbestos V

lge piece magnetic Cr ft

S D, 3% f.g. diss Cr

S D, up to 30% Cr, Sample 800058

S D, Stiebs - micro LR

(Px) D min SVlts

S D, min Px IL?

Pack track

720075

5 cm

LITHOLOGIES

Anthor	Anorthosite
ch	Chromitite
dol	Dolerite
D	Dunite
gab/nor	Gabbro/Norite
Hz	Harzburgite
OPx	Orthopyroxenite
Px	Pyroxenite
PPQ	Silica/Calc Silicate PPQ rock
troct	Troctolite
23	Whole rock sample no.
s	Serpentinite
peg	Pegmatite
LR	Leopard Rock
B	Basalt

MINERAL QUALIFIERS

abts	Asbestos
chalc	Chalcedony
chrys	Chrysocolla
Cr	Chromite
fe stone	iron stone
mag	Magnetite
mica	Micaceous
ol	Olivene
plag	Plagioclase
q	Quartz
serp	Serpentine
sil	silica
Gn Sp Cp Py	Sulphide
zar	Zeratite
chl	Chlorite

TEXTURE/FABRIC

ab	Abundant
br	Breccia/brecciated
diss	Disseminated
fiss	Fissile
fract	Fractured
gran	Granular
IL	Interlayered
lam	Laminated
lge	Large
min	Minor
mod	Moderate
peg	Pegmatic
pod	Podiform
ch	Chert
felds	Feldspar
phenos	Phenocrysts
dik	Dikelitic
tr	Trace
v	Very
weath	Weathered
	Grain Size
cg	Course grain
fg	Fine grain
mg	Medium Grain
decr	Decreasing
incr	Increasing
X line	Crystalline
vegtn	Vegetation

STRUCTURAL

- Direction of Foliation
- Direction of Sheared Zone
- ft Float
- ( ) Moderate/incomplete
- o/c Outcrop
- "Pseudo" Mylonite
- sr SV SVlts Serpentine veinlets
- Strike and dip of Jointing
- Strike and dip of Layering
- s/c Subcrop
- V Vein
- Vlt Veinlet

COLOURS

bk	Black
bl	Blue
bn	Brown
crm	Cream
dk	Dark
gn	Green
gy	Grey
l	Light
or	Orange
p	Pale
pk	Pink
pu	Purple
rd	Red
wh	White
yw	Yellow

LOCATION MAP





042



METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL 21/85 Tasmania

Title: **FENTONS GRID GEOLOGY**

SHEET 4

Author N Rodings	Office Perth	Scale 1:1000	
Drawn K J C	Date 4/88	Revised	Date
Drawing No 02/HZ/2/18	AMG SK55-3 7915-2	Fig No	

APPENDIX 1D

TRENCH MAPS

MAGNETIC PROFILE

GAMMAS (x 1000)

METRES

LITH

STRUCTURE ARBITRARY

SYMBOL

DESCRIPTION

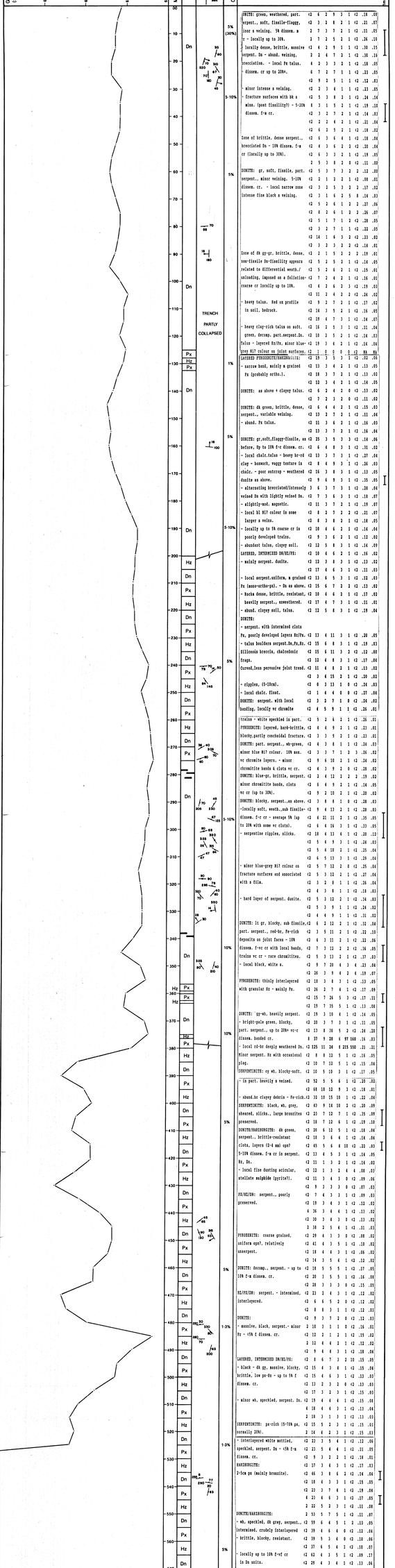
3m SAMPLE RESULTS

Au ppb | Pd ppb | Pt ppb | Rh ppb | Ir ppb | Cu % | Ni % | Co %

Au Pd Pt Rh Ir Cu Ni Co

Au Pd Pt Rh Ir Cu Ni Co

Au Pd Pt Rh Ir Cu Ni Co



LITHOLOGY LEGEND

Dol	DOLERITE
Dn	DUNITE
Px	PYROXENITE
Hz	HARZBURGITE
Ct	CHROMITITE
Sp	SERPENTINITE

5 cm

88-2876

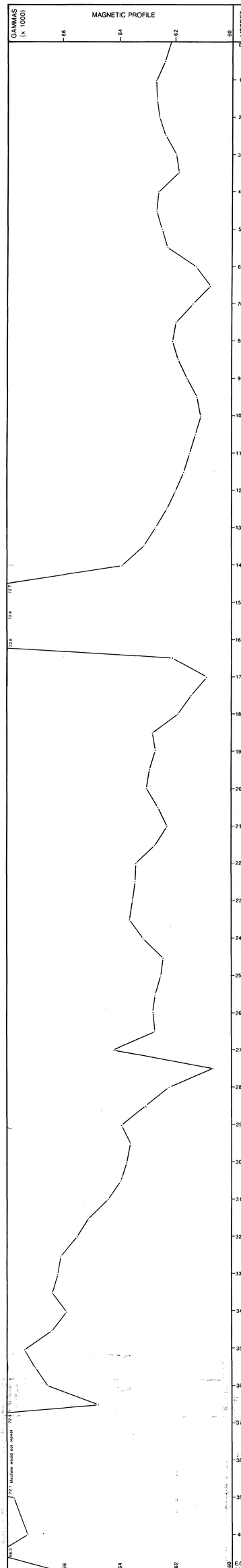
720078

METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85 Tasmania

Title: FENTONS TRENCH 3

Author	Date 8/88	Scale 1:500
Drawn R.L.C	Office PER	Revised Date
Drawing No. 92/HZ/3/16		Fig. No.



DESCRIPTION	Au ppb	Pt ppb	Pd ppb	Ru ppb	Rh ppb	Ir ppb	Os %	Ni %	Cr %
DUNITE: olive gr, massive-blocky	2	26	4	6	5	1	2	.22	.01
part. serpent. Part. preserv. ol	(2	18	3	7	4	1	(2	.17	.01
mesh texture. 1-10% f-m dissem.cr.	(2	14	3	6	4	1	2	.27	.02
- local Px clots, mainly poorly	(2	15	3	4	3	1	(2	.18	.03
preserved, serpentinised.	4	8	3	4	3	1	(2	.19	.02
DUNITE/HARZBURGITE	(2	27	4	5	4	1	(2	.22	.05
Dn - dk gy-gr part.-wholly serpent.	(2	7	3	4	3	1	(2	.18	.03
Bands px 2-5mm in Hz/Px units.	(2	10	4	5	3	1	(2	.21	.05
-local talcose s mins.on fractures.	(2	7	2	4	3	0	(2	.19	.04
-float: px banding-cross bedding.	(2	9	2	5	3	0	(2	.14	.04
-blue Ni? colour on some joints.	(2	12	2	7	3	1	(2	.20	.04
Chromitite layering.	(2	9	2	4	3	1	(2	.19	.05
HARZBURGITE/PYROXENITE/DUNITE	(2	9	2	6	4	1	(2	.17	.03
Hz with high+low px, interlayered	(2	10	2	5	3	1	(2	.16	.03
with Dn + Px (1-7 cm bands).	6	18	3	5	4	1	(2	.15	.05
-local thin CHROMITITE SEAMS.	(2	7	3	4	3	0	(2	.17	.03
-local veinlets with bl Ni? colour.	(2	22	3	4	4	1	(2	.21	.03
Layered dunite) coarse Px, Hz -	(2	25	1	5	4	1	(2	.19	.03
abund. mag veinlets in several	(2	22	2	5	4	1	(2	.25	.04
directions. Deeply weathered	(2	24	2	6	4	1	(2	.27	.10
regolith, soil - mag rich.	(2	23	2	3	3	1	(2	.09	.21
- interlayered,interaxied Dn, Px,	(2	20	3	4	3	1	(2	.53	.51
Hz. Dk grey, serpent., blocky,	(2	25	2	5	3	1	(2	.31	.34
brittle.	(2	29	2	5	3	1	(2	.78	.10
	(2	43	5	9	7	2	2	.81	.15
Heavy red brown, regolith, talus,	(2	22	6	4	3	1	(2	.51	.12
soil, with magnetic detritus.	(2	16	5	4	3	1	(2	.39	.06
	(2	10	3	2	2	0	(2	.21	.01
	(2	10	2	2	2	0	(2	.34	.01
Deeply weathered serpentinite.	(2	9	2	2	2	0	(2	.45	.05
- mag surface on some joints.	(2	13	3	4	2	1	(2	.26	.02
- local speckled texture on Sp Dn.	(2	31	3	3	4	1	(2	.09	.04
Dn) Px/Hz - serpent. deeply	(2	31	3	4	4	0	(2	.20	.03
weathered.	(2	15	4	3	2	0	(2	.45	.08
HARZBURGITE/DUNITE/PYROXENITE:	(2	16	3	4	2	0	(2	.25	.02
layered, dk gy, blocky, brittle -	(2	59	4	3	4	1	(2	.17	.04
(5% f-m dissem. cr.	(2	62	3	3	5	1	(2	.18	.06
	(2	69	5	5	6	1	(2	.16	.05
- mainly low px, low cr Hz.	(2	21	3	4	3	1	(2	.28	.04
Hz/Dn: interlayered, deeply weath.	(2	40	4	4	4	1	(2	.62	.05
Px layers - 1-10cm. Dissem. cr	(2	28	3	5	4	1	(2	.52	.08
up to 5% in Dunite/Hz, less in Px.	(2	26	5	6	4	3	4	.74	.02
	(2	30	3	3	4	1	(2	.49	.03
Local vitreous Sp with silica +	(2	**100**	3	6	8	1	(2	.28	.07
blue/wh s/Ni? mins.	(2	**160**	6	6	13	2	2	.46	.06
	(2	**150**	7	6	11	2	(2	.11	.28
	(2	**88**	4	6	8	2	(2	.08	.20
	(2	**100**	5	6	9	1	(2	.08	.21
Mainly Px: - deeply weathered,	(2	**110**	4	6	11	1	(2	.11	.26
abund. Fe oxide, debris.	(2	**175**	7	8	15	2	2	.19	.47
"ZEBRA" ROCK:	(2	**92**	5	8	9	1	(2	.28	.17
lt grey-wh, heavily altered	(2	**100**	7	8	11	2	(2	.33	.05
serpent. u.mafic rock. Abund. dk.	(2	**130**	6	9	12	2	(2	.25	.03
veinlets + dissem. opaques (may	(2	**120**	6	6	10	2	(2	.12	.06
be secondary). Poorly-moderately	(2	39	6	5	4	1	(2	.15	.06
developed lt-dk banding.	(2	31	4	4	4	0	(2	.11	.14
	(2	31	5	7	4	2	6	.25	.12
- possible small scale cross	(2	24	3	5	4	1	(2	.24	.12
bedding (may be altered Dn/Hz).	(2	17	5	7	4	1	(2	.26	.08
- as above, appears to grade into	(2	30	5	5	4	1	(2	.22	.08
dk grey granular Hz.	(2	52	7	9	7	2	(2	.21	.02
Increase in px banding.	(2	18	6	4	3	1	(2	.23	.04
SERPENTINITE: sheared, blue-grey	(2	15	5	6	3	1	(2	.18	.04
abund. veining, slicks., s in									
joints, fractures. - local mag									
veinlets, clots in serpent. Dn.									
DUNITE: lt gr-olive, serpent.,									
weathered - abund. veining.									
"ZEBRA" ROCK: altered, lt-dk	(2	16	6	7	3	1	(2	.21	.06
banding,abund.fractures - rounded,	(2	18	4	6	3	1	(2	.16	.07
bleached, weathered px (4-6mm).	(2	31	3	3	3	0	(2	.11	.24
PYROXENITE/DUNITE/HARZBURGITE:	(2	38	4	4	5	1	(2	.11	.15
layered, dk gy, serpent. - dk gr.	(2	25	3	3	3	1	(2	.10	.11
Px rich layered sequence - blue	(2	20	3	5	3	1	(2	.17	.04
Ni? colour on some joints.									
	(2	51	3	3	4	1	(2	.14	.06
	(2	53	4	3	4	3	(2	.13	.10
Local SERPENTINITE: fine mag-rich	(2	60	3	4	5	1	(2	.12	.10
veining. 1-2% f. dissem. cr.	(2	79	3	5	5	1	(2	.12	.08
	(2	67	3	3	5	1	(2	.12	.08
	(2	**98**	8	6	7	1	(2	.11	.08
- well layered Hz/Px: serpent.,	(2	**130**	9	7	11	2	(2	.15	.08
abund. fine mag veinlet network.	(2	**87**	10	5	7	1	(2	.12	.06
- locally px-rich.	4	**220**	15	5	10	6	4	.14	.06
- sheared, serpent.,weathered, in	(2	**200**	14	7	6	7	4	.21	.09
part talcose, minor bl Ni?, s mins.	(2	**82**	7	8	6	1	2	.31	.06
- abund. MnO_2 on joints.	(2	28	4	6	4	1	(2	.29	.03
- botryoidal boswork silica on	(2	24	5	3	3	1	(2	.25	.05
some shear/joint surfaces.	(2	34	3	6	4	1	(2	.44	.06
Sp: lt gr with fine bk veining	(2	17	2	3	3	0	(2	.28	.02
in anastomising fan pattern.	(2	17	2	7	3	1	(2	.21	.05
DUNITE: soft, weathered, poorly	(2	18	2	4	3	1	(2	.27	.04
developed fissility.	(2	19	3	9	3	1	(2	.21	.04
-talus, SERPENTINITE: dk gy,slicks.	(2	24	3	4	3	1	(2	.22	.04
Shear zone, multiple directions.	4	33	6	6	5	2	6	.27	.09
Sheared Sp breaks down to	(2	50	6	5	10	3	(2	.21	.15
lenticular frags. with talcose,	14	**210**	6	5	7	8	4	.18	.10
vitreous surfaces.	2	68	5	0	6	2	2	.19	.10
Serpentine slicks. with steps,	(2	**210**	15	0	5	6	2	.08	.27
ripples.	4	**120**	4	0	10	2	2	.09	.11
SERPENTINITE: dk gy,massive-blocky,	10	**180**	7	3	7	4	2	.15	.06
abund.s with ripples (-10cm)-some	(2	78	3	3	6	1	2	.11	.07
bl colour on joint, shear surfaces.	6	**87**	3	0	3	2	(2	.14	.08
Abund. internal slicks. in shear.	(2	19	7	5	3	0	(2	.10	.07
DUNITE/PYROXENITE/HARZBURGITE:	(2	69	4	4	3	2	(2	.12	.07
layered, interaxied, less sheared,	2	21	4	0	3	1	(2	.10	.09
altered than above. Bands lt. px	4	39	1	0	1	1	(2	.09	.05
(1-2cm) oblique to structural	(2	32	7	3	4	0	4	.14	.02
planes. - mod. magnetic. Abund.fine	2	48	5	0	3	3	(2	.19	.02
mag veinlets. Low px Hz (minor Dn)-	6	24	2	3	2	0	2	.13	.02
colour banding, poorly developed	4	37	7	2	2	2	(2	.15	.03
fissility in places. DN: lt gy, Sp	2	9	3	5	3	0	4	.14	.02
'zebra' banding. Minor dissem.	(2	30	6	5	2	2	(2	.15	.02
f-m cr - veinlets mag.	4	18	3	5	3	1	2	.16	.01
- local trains/clots weathered,	(2	17	5	2	1	1	(2	.16	.02
altered px.	2	10	10	3	2	0	2	.16	.02
- mag veins parallel to foliation,	4	21	7	6	4	1	4	.18	.02
(may be precursor to fissility).	(2	67	4	2	8	1	6	.12	.05
SERPENTINITE: bk-green, massive	4	28	5	2	3	0	(2	.09	.06
brittle, derived from Hz/Dn/Px.	4	38	3	3	3	1	4	.16	.05
	4	45	3	4	5	1	(2	.27	.03
DUNITE: lt-dk gr - part.serpent.,	(2	170	6	4	12	1	2	.15	.03
flaggy. C-vc dissem. cr (up to	(2	59	2	6	7	1	(2	.08	.09
10%).	(2	82	5	3	5	1	2	.09	.05
- Deeply weath. Fe-rich regolith.	(2	**110**	5	7	7	2	2	.12	.03
- local serpent. coarse Px.	2	71	2	6	6	0	2	.08	.04
- Blue Ni? colour in s mins.	4	38	5	1	4	0	2	.04	.07
SERPENTINITE: black-dk green-grey/	4	33	2	1	4	1	2	.06	.08
blue ; massive, grading to less	4	55	0	4	5	0	2	.07	.09
serpent. layered sequence.	4	32	1	3	3	0	4	.06	.06
HARZBURGITE/DUNITE/PYROXENITE:	3	**1200**	15	4	18	35	5	.02	✓
interlayered - mag veinlets	29	**10500**	5	4	17	**100**	3	.04	.05 ✓
sub parallel to min. layering	8	**410**	7	6	7	12	6	.07	.04
+ subsidiary/vein directions;	(2	**250**	4	3	3	2	(2	.14	.07
- locally grading to 'zebra'	(2	**300**	4	1	5	10	2	.09	.01
texture.	(2	60	4	4	4	3	(2	.08	.01
	(2	17	6	3	3	0	(2	.10	.04

LITHOLOGY LEGEND

Dol	DOLERITE
Dn	DUNITE
Px	PYROXENITE
Hz	HARZBURGITE
Ct	CHROMITITE
Sp	SERPENTINITE

720079

88-2876

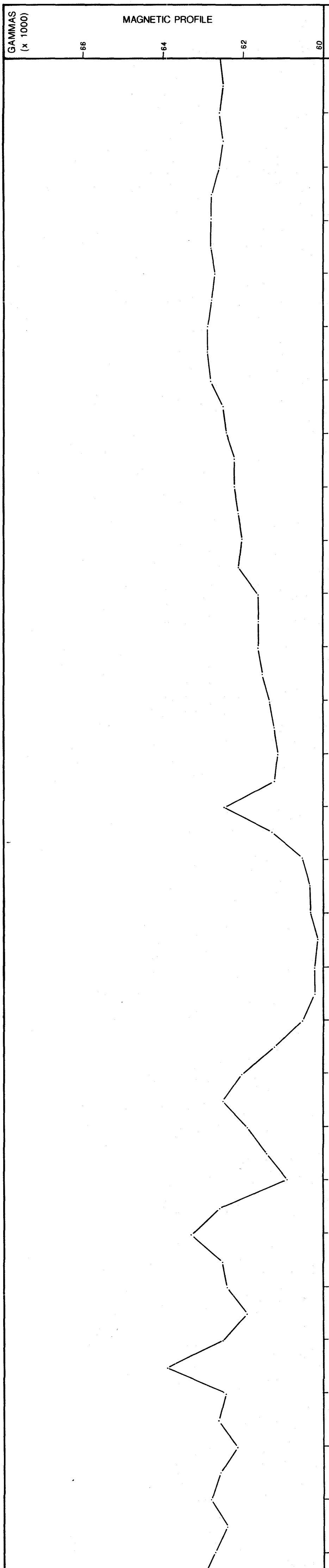
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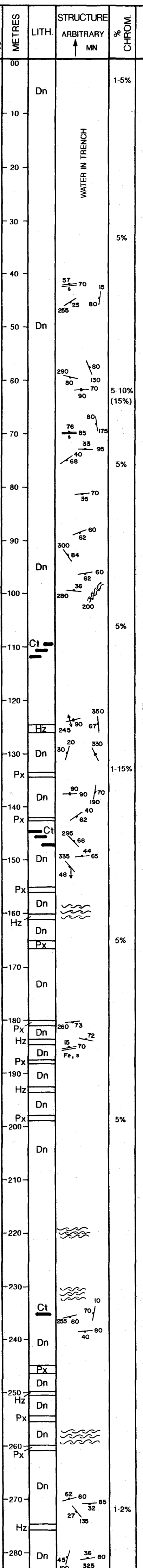
METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85 Tasmania

Title: FENTONS TRENCH 5

Author	Date 6/88	Scale 1:500
Drawn S.L.C.	Office PER	Revised: Date
Drawing No. 02/HZ/3/17		Fig. No.





DESCRIPTION	Au	Pt	Pd	Ru	Rh	Ir	Os	% Ni	% Cr
DUNITE: ol.gr-lt.brown, soft,	2	19	16	6	3	2	2	.11	.04
part. serpent., uniform. Minor	6	22	17	15	4	1	<2	.11	.05
fine bk mod. magnetic undulating	<2	15	14	6	3	2	4	.15	.01
veins. 1-5% dissem. m-c chromite.	2	11	16	10	2	1	<2	.16	.01
- locally 5-10% dissem. cr.	<2	12	12	8	2	2	<2	.18	.00
Harder, blocky in places, mainly	<2	15	30	10	2	2	4	.15	.03
soft, porous, low density, good	<2	49	9	4	3	2	2	.13	.06
Dn texture preserved in places.	<2	16	11	9	3	2	<2	.14	.02
- locally minor s/mag veining.	<2	19	14	4	5	1	<2	.15	.03
Heavy bk-br/rd soil. Recent congl.	<2	10	12	6	3	2	<2	.18	.02
DUNITE: as above - occasional	<2	20	14	10	4	1	2	.17	.07
coarse, irregular clots cr.	<2	16	9	6	2	2	<2	.17	.01
- foliation fabric associated with	<2	11	9	4	2	1	<2	.16	.05
thin black veins.	<2	20	9	4	2	2	<2	.15	.02
Slicks, steps in s on joint faces.	3	36	8	5	3	15	25	.15	.04
- serpent. Px float.	<2	16	14	3	3	1	<2	.14	.05
DUNITE: dk gy-gr, brittle, serpent.	2	21	9	7	3	1	<2	.18	.04
Abund. Fe oxide - irregular zones	<2	21	6	5	4	2	<2	.15	.02
white zeolite? -uniform blocky part.	2	8	11	8	3	1	<2	.21	.03
serpent.Dn. Up to 15% dissem. m cr.	<2	14	14	9	4	2	<2	.28	.03
SERPENTINITE: dk grey, brittle,	<2	9	10	6	2	2	<2	.18	.02
sheared, veined, narrow bar.	<2	16	8	7	3	1	<2	.17	.05
Steps in s, 10cm spacing.	2	12	14	4	3	1	<2	.17	.03
- variable serpent. Dn.	<2	8	13	4	2	1	2	.18	.02
SERPENTINITE: dk gy-grey, blocky,	<2	9	9	6	3	2	<2	.16	.01
fractured - irregular variation	<2	7	9	6	3	0	<2	.17	.02
to lt. green serpent. Dn. Mag	<2	10	14	4	3	1	<2	.19	.02
veinlets, 5% dissem. m chromite.	3	57	7	7	7	6	6	.15	.03
Steps, curved joint face.	<2	13	9	8	3	1	2	.19	.02
- cores of brittle, dense Sp	<2	7	8	8	4	2	2	.24	.01
surrounded by lt.gr, low density,	<2	11	6	8	3	2	4	.21	.01
weathered serpent. Dn with	<2	8	9	2	2	1	<2	.16	.01
"sandstone texture".	<2	7	13	4	3	2	<2	.16	.01
Narrow shear.	<2	6	13	7	4	4	<2	.20	.01
New Lithological Unit?	<2	6	16	11	4	2	<2	.21	.01
DUNITE: part.serpent.with weather-	<2	14	11	4	4	2	<2	.24	.02
ing rind - ol mesh texture part.	<2	69	23	10	8	2	<2	.18	.07
preserved. - narrow bar, brittle,	2	19	9	4	3	1	2	.18	.03
dk gy Sp & abund. s veining.	<2	25	14	6	4	2	<2	.18	.04
- narrow lenses, coarse CHROMITITE	<2	21	12	7	4	1	2	.14	.05
parallel to wispy banding in Sp.	2	71	3	5	8	1	<2	.12	.06
SERPENTINITE: dk gy,brittle,blocky,	<2	85	5	9	12	1	2	.16	.07
abund. s veins. Blotchy texture	<2	23	11	6	4	1	<2	.18	.04
in part, irregular bodies.	4	46	19	5	8	2	2	.16	.03
PYROXENITE: variable f-m dissem.	<2	59	27	5	7	1	2	.14	.03
chromite to max. 15% + occasional	2	67	18	7	7	2	<2	.11	.05
trains coarse chromite. Serpent.	<2	33	10	6	5	1	<2	.15	.05
layered Dn/Px. Rocks heavily	<2	11	23	5	3	1	<2	.18	.02
altered,blocky. Variable s veining,	<2	6	11	6	3	1	<2	.17	.03
slicks. - narrow chromitite	<2	10	10	8	3	1	<2	.20	.04
bands/lenses parallel to layering.	<2	8	14	3	3	1	<2	.17	.03
Dominantly serpent. Dn in LAYERED	<2	11	9	4	4	1	<2	.23	.04
SEQUENCE-layering poorly preserved.	<2	12	11	7	4	1	<2	.17	.02
- occasional f px in serpent. Dn.	<2	10	7	7	3	1	<2	.18	.02
- minor white mica.	<2	11	8	6	4	1	<2	.15	.03
Uniform part. serpent. weath. Dn.	<2	9	11	3	3	1	<2	.15	.02
	<2	10	9	5	4	1	<2	.27	.05
	<2	8	11	7	4	1	<2	.17	.04
	<2	7	9	5	3	1	<2	.18	.07
	<2	10	7	7	3	2	<2	.19	.02
DUNITE + minor px-Dunite, Hz.	<2	9	7	9	3	2	<2	.22	.04
Poorly developed foliation/	<2	6	7	7	3	2	<2	.17	.04
cleavage in Dn - abund. fine bk +	<2	10	7	6	4	2	<2	.20	.07
wh veining, minor coarse, poorly	<2	12	5	5	3	1	<2	.15	.05
aligned cr.	<2	20	8	6	3	1	<2	.17	.03
- Blocky, Fe oxidised.	<2	32	7	7	4	3	2	.15	.01
	<2	6	6	7	3	2	2	.18	.03
DUNITE: serpent., gy-br, blocky,	<2	7	7	7	3	1	2	.19	.02
weathered, low density, foliation.	<2	13	6	8	4	1	<2	.28	.02
- pervasive MnO_2, mottled Sp.	<2	7	6	6	2	1	<2	.19	.04
- moderate intensity fine black	<2	12	9	5	4	1	<2	.18	.06
veining.	<2	30	5	5	5	1	<2	.19	.04
Shear zone - deeply weathered.	<2	12	6	5	4	1	<2	.15	.01
- intense grey/wh s veining.	<2	14	8	7	3	1	<2	.21	.01
5% dissem. f-m chromite.	<2	9	12	5	3	0	<2	.27	.03
- minor wispy Sp banding.	<2	12	6	7	4	1	<2	.27	.02
Small drag fold against shear.	<2	13	6	8	4	1	<2	.22	.02
DUNITE: grey, heavily serpent.,	<2	13	4	8	5	1	<2	.20	.02
weathered, occasional trains.	<2	13	6	6	3	1	<2	.21	.02
v. coarse chromite.	<2	12	4	7	3	1	<2	.17	.01
	<2	10	9	5	3	1	<2	.21	.01
SERPENT. DN / MINOR PX.	<2	8	13	6	3	1	<2	.16	.02
Serpentinised Dn, partly sheared.	<2	6	5	5	3	0	<2	.17	.03
- minor zaratite, magnetite.	<2	12	5	6	4	1	<2	.12	.02
- sheared brittle Sp, blue Ni?	<2	12	7	5	5	1	<2	.14	.02
colour, minor zaratite.	<2	13	5	5	3	1	<2	.18	.04
- intermixed serpent. Dn, Px.	<2	11	5	5	3	0	<2	.17	.04
	<2	11	4	5	3	0	<2	.14	.03
	4	10	5	7	4	1	<2	.13	.05
SERPENTINITE: grey, mottled,	3	5	6	9	4	0	<2	.14	.03
remnant layers granular Hz/Dn.	2	18	6	8	5	1	<2	.13	.04
- ferrug. weathering, blocky,	<2	14	5	8	4	0	<2	.11	.03
jointed. <5% dissem. m cr.	<2	22	9	10	6	1	<2	.16	.01
- s veining, fracture fill -	<2	30	6	10	7	1	<2	.13	.01
botryoidal, nodular, Fe oxide	<2	37	7	8	7	1	<2	.13	.01
intermixed with s.	<2	37	9	11	8	1	<2	.12	.02
	<2	33	8	8	6	1	<2	.13	.03

3m SAMPLE RESULTS (ppb)

1m SAMPLING

920

LITHOLOGY LEGEND

Dol	DOLERITE
Dn	DUNITE
Px	PYROXENITE
Hz	HARZBURGITE
Ct	CHROMITITE
Sp	SERPENTINITE

88-2876

5 cm

METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85 Tasmania

Title: FENTONS TRENCH 6

Author	Date 8/88	Scale 1:500	
Drawn S.L.C.	Office PER	Revised	Date
Drawing No. 02/HZ/3/18			Fig. No.

720080

GAMMAS (x 1000) — MAGNETIC PROFILE — 66 — 64 — 62

METRES | LITH. | STRUCTURE (ARBITRARY ↑ MN) | % CHROM.

DESCRIPTION	Au ppb	Pt ppb	Pd ppb	Ru ppb	Rh ppb	Ir ppb	Os ppb	Ni %	Cr %	1m SAMPLING
DUNITE: gr, part serpent., soft,	<2	2	2	6	1	3	2	.29	.01	
weathered, flaggy structure, abund.	<2	2	6	5	1	2	<2	.28	.02	
fine bk veining, MnO_2 ± mag. 1-3% cr,	<2	1	2	4	1	3	2	.27	.01	
mainly in c clots (2mm cr) occ. 4mm.	<2	5	3	5	0	3	2	.33	.04	
- minor wh s mins. in veins.	<2	3	5	5	1	3	2	.30	.02	
- increase cr, in trains, poorly	<2	2	5	5	1	3	<2	.26	.03	
developed bands - locally +5%.	<2	2	3	5	1	2	<2	.30	.04	
- local intense veining, brecciation.	<2	1	3	4	0	1	2	.35	.03	
NO SULPHIDE SEEN	<2	2	2	2	0	2	<2	.27	.03	
DUNITE: as above	<2	2	2	3	0	1	<2	.03	.02	
Slicks. with steps, ripples ~10cm in	<2	2	4	8	1	1	<2	.24	.02	
Sp joint surfaces. Uniform blocky,part.	<2	3	2	5	1	3	2	.25	.04	
Sp.Dn. - well preserved mesh texture.	<2	2	3	9	1	1	<2	.27	.03	
Dn >95%. Olivine (part. Sp), variable	<2	3	2	6	1	3	2	.28	.03	
f. veining, occasional breccia. - occs.	<2	2	3	4	1	3	2	.32	.03	
blotchy pattern, minor colour banding.	<2	2	2	6	1	3	<2	.30	.03	
Stepped Sp + Fe-ox surface.	<2	1	4	5	1	2	<2	.30	.02	
- Abundant MnO_2 on joints.	<2	1	3	6	1	3	<2	.31	.01	
Poorly developed joint trend.	<2	2	4	7	1	3	<2	.27	.02	
- dissem. c. cr, 2-5%, mostly 1-3mm.	<2	3	3	8	1	2	<2	.28	.03	
Low intensity, fine black veining,	<2	3	3	5	1	6	6	.31	.03	
restrict.to bands & fan-shaped zones.	<2	2	3	6	1	2	<2	.24	.02	
- occs.Sp increase within veined zones.	<2	1	4	4	1	2	<2	.17	.01	
- local brecciated, part. serpent. Dn.	<2	2	2	6	1	4	4	.23	.01	
	<2	2	2	4	1	3	<2	.27	.02	
- locally grey, harder, part. serpent.	<2	2	3	7	1	3	2	.25	.02	
dunite - abund. fine veining.	<2	2	6	7	1	4	<2	.27	.02	
Poor exposure of structure.	<2	3	5	3	1	1	<2	.28	.01	
	<2	2	2	3	0	2	<2	.31	.02	
- local px mins. in Dn.	<2	2	3	6	1	2	<2	.32	.03	
	2	4	3	5	1	4	6	.16	.01	
	<2	3	4	3	1	3	4	.20	.01	
- abund. veining, breccia texture in	<2	2	4	5	1	3	2	.20	.01	
Dn + wh s in veins. Veins black,	<2	4	3	7	1	2	<2	.24	.01	
moderately magnetic.	<2	2	4	5	1	3	4	.31	.01	
- Dn - gr, soft, weathered, part. Sp.,	<2	3	5	9	1	3	2	.23	.01	
uniform. Bands c. cr (20cm bands).	<2	2	3	8	1	3	2	.23	.04	
High ppn. fine veins.	<2	4	4	8	2	2	<2	.24	.03	
- decr. veining. Rock soft, decomp.	<2	2	4	5	1	4	2	.38	.01	
Poor exposure of structures.	<2	2	4	7	1	2	<2	.26	.01	
- uniform Dn as above.	<2	4	4	4	1	2	<2	.22	.01	
- intermittent heavy, low intensity	<2	4	4	5	2	2	<2	.30	.01	
fine black + wh veining.	<2	4	6	6	1	2	<2	.19	.00	
	<2	4	4	5	1	3	<2	.25	.01	
	<2	3	4	5	1	2	2	.20	.01	
- ripples (10cm) in s on joint faces.	<2	7	3	4	2	2	<2	.15	.04	
	<2	5	5	3	2	2	<2	.16	.02	
- m-c dissem. cr - locally up to 5-10%	5	12	3	5	2	2	<2	.16	.02	
- locally minor green-silver mica.	<2	4	3	2	1	1	<2	.12	.02	
- blocky, part. serpent. Dn as	<2	6	3	4	2	1	<2	.11	.02	
above - remnant olivine texture.	<2	5	4	6	2	2	<2	.12	.01	
- dissem. + occas. coarse clots r	<2	3	6	3	1	2	<2	.18	.01	
~5%.	<2	2	3	3	1	1	<2	.14	.01	
- low levels fine, veining.	<2	11	6	4	3	1	<2	.14	.03	
- locally up to 20% chromite.	<2	7	5	6	2	1	<2	.16	.01	
	<2	4	4	6	2	1	<2	.17	.01	
	<2	5	3	5	3	2	<2	.16	.01	
- trend to less serpent. dunite.	<2	5	6	3	1	1	<2	.14	.01	
	<2	5	2	5	2	1	<2	.16	.01	
	<2	5	4	5	2	1	<2	.15	.01	
- local zone Sp veining.	<2	6	3	4	2	1	<2	.17	.02	
- minor silver-white mica.	<2	9	5	4	3	2	<2	.20	.06	
	2	7	2	4	2	1	<2	.20	.08	
	2	4	6	5	2	2	<2	.22	.03	
- green, part. serpent. Dn, as above.	<2	4	6	4	1	1	<2	.21	.03	
	<2	4	10	4	2	1	<2	.19	.03	
- poor exposure of structure.	<2	7	2	2	2	1	<2	.18	.04	
- abund. red-brown soil, rich in	<2	6	4	7	2	1	<2	.20	.03	
magnetic debris.	<2	6	2	3	1	2	2	.24	.05	
- very uniform lithology	<2	3	2	3	1	1	<2	.21	.04	
- minor trains c. chromite + dissem.	<2	4	6	3	2	2	<2	.16	.02	
m. cr. Total max. 10%.	<2	13	2	5	3	2	<2	.16	.04	
	<2	4	5	5	3	1	<2	.15	.02	

METRES	LITH.	% CHROM.
00		1-3%
10	Dn	
20		5-10%
		1-5%
30		
40		5%
50		
60	Dn	
70		
80		1-5%
90	Px	
100		
110	Dn	1-3%
120		
130		
140		2-5%
150		
160		5%
170	Dn	2-20%
180		
190		
200		5%
210		
E.O.T. 217m		2-10%

STRUCTURE: 85/250; 90/210; 20/190; 52/240; 22/50; 52/150; 71/195; 33/180; 85/130; 55/100; 30 chrom. banding; 50/75; 45/120; 80/200; 10/185; 50/230; 75/170

NOTE: Harzburgite Ridge, too steep, hard for excavator.

5 cm

720081

88-2876

LITHOLOGY LEGEND

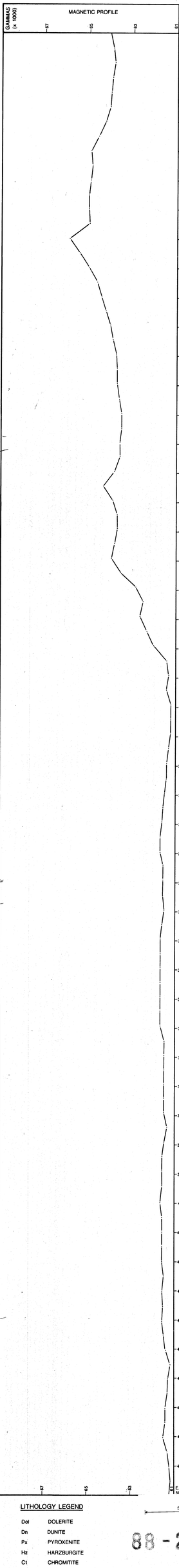
Dol	DOLERITE
Dn	DUNITE
Px	PYROXENITE
Hz	HARZBURGITE
Ct	CHROMITITE
Sp	SERPENTINITE

METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85 Tasmania

Title: FENTONS TRENCH 7

Author	K.M.	Date	8/88	Scale	1:500
Drawn	S.L.C.	Office	PER	Revised	Date
Drawing No.	02/HZ/3/08				Fig. No.



DESCRIPTION	3m SAMPLE RESULTS ppb Au	Pt	Pd	Ru	Rh	Ir	% Os	Ni	% Cr	3m SAMPLING
DUNITE + layers PYROXENITE,										
CHROMITITE: Dunite bk-gr,	24	190	18	12	18	2	2	.23	.02	
part. serp., diosen. chromite	4	450	8	23	48	5	4	.18	.02	
(max.10%) f-m. Minor 1cm thick	12	150	8	7	13	2	<2	.19	.03	
layers chromitite (c-vc) +	2	94	6	5	8	1	<2	.11	.04	
2-10cm layers bleached Px-high	2	200	6	10	16	2	<2	.18	.01	
px granular Hz, px uniform	8	830	7	8	12	2	<2	.14	.01	
1/2cm cumulus phenocrysts.	8	88	5	9	11	2	<2	.21	.02	
Primary layering at high angle	<2	65	4	6	7	1	<2	.20	.04	
to joints.	6	24	5	7	5	1	<2	.14	.02	
	8	13	6	5	4	1	<2	.17	.03	
	<2	10	3	5	3	1	<2	.15	.01	
DUNITE: green, part.serpent.,	6	14	6	9	5	3	6	.22	.03	
weathered, uniform, blocky.	8	23	8	9	6	2	2	.24	.05	
	4	9	5	7	5	1	<2	.24	.03	
	6	9	6	6	5	2	<2	.18	.02	
occasional flaken white mica.	6	5	6	10	5	1	<2	.17	.03	
	4	12	5	10	6	3	4	.21	.05	
	14	7	10	9	5	3	2	.19	.06	
	6	54	6	10	14	3	<2	.18	.02	
Uniform massive-blocky dk gr	2	6	4	7	5	2	2	.17	.02	
serp. dunite. 5% f. diosen.	8	6	9	8	5	2	2	.21	.02	
chromite.	2	7	9	9	6	3	4	.17	.01	
	6	8	6	11	5	1	<2	.16	.01	
	8	6	6	10	4	2	<2	.21	.02	
	12	6	8	13	5	2	2	.17	.10	
HARZBURGITE, PYROXENITE bands	8	8	5	11	6	2	3	.26	.13	
subhorizontal, not parallel	8	36	7	5	6	1	<2	.21	.06	
to structural jointing.	4	17	6	7	5	1	<2	.18	.39	
	2	18	4	6	5	1	<2	.22	.03	
- narrow band Hz (px-rich),	22	25	11	6	5	1	<2	.19	.02	
near vertical.	4	41	9	11	6	2	<2	.21	.08	
- mixed clots, bands coarser	8	140	10	10	10	1	<2	.22	.05	
(2-4cm) Px in serp. Dn groundmass										
- coarser Px interlayers	<2	59	4	6	6	1	<2	.18	.04	
	2	61	7	7	6	1	4	.20	.03	
	24	48	12	5	6	1	2	.17	.03	
SERPENTINITE: sheared, altered	<2	68	5	5	5	1	4	.17	.03	
Dn?, Px?-abundant silicknsides.	8	130	8	3	8	1	<2	.13	.05	
	2	108	5	6	7	2	<2	.12	.51	
- hard sheared Sp Secondary	<2	180	4	7	12	2	<2	.16	.05	
CO_2 on fracture surfaces.	8	160	6	7	11	1	2	.12	.03	
- granular Hz, Px, Sp	<2	59	5	6	5	0	<2	.13	.05	
originating at veining.	6	69	8	4	6	1	<2	.19	.03	
Dn + minor Hz, Px, intense	2	32	4	5	5	1	<2	.17	.04	
Sp veining. px-rich layers,	8	34	8	4	5	1	<2	.17	.02	
discontinuous, lenticular in										
part. minor fissile dunite,										
silicknsides on joint surfaces.										
Magnetite/serpentinite										
vein, discordant to primary										
Hz/Px layering.										
DUNITE: gr, soft, fissile,										
low level of serpent. uniform,										
weathered. Disseminated f-m										
chromite.										
TRENCH OFFSET										
fissility in dunite appears	<2	29	4	6	5	1	<2	.22	.02	
to be controlled by foliation	6	12	8	5	3	3	2	.26	.03	
which in pre-serpentinisation.	14	7	11	8	4	3	2	.27	.03	
- intense serpent. locally	12	3	5	5	1	1	<2	.43	.02	
around shear.	62	2	18	8	2	5	2	.30	.01	
- moderate Sp veining in	14	4	2	7	2	5	4	.26	.01	
dunite.	4	3	6	4	2	4	4	.26	.02	
DUNITE: green, soft, weathered,	2	5	6	8	2	4	4	.28	.02	
fissile, uniform as above -	6	4	5	6	1	4	2	.26	.01	
local intense fine black,	2	3	6	15	3	24	14	.25	.02	
Sp veining.										
	6	8	8	8	3	2	4	.18	.03	
fissile dunite f-m diosen.	12	1	9	6	1	3	4	.22	.01	
chromite, low level of serp.,	4	1	5	7	1	3	2	.22	.01	
weathered. - white spectled,	4	1	5	7	1	3	4	.22	.01	
mottled serp. dunite.	6	1	10	6	1	3	2	.20	.01	
(weathering effect?)	8	1	12	7	2	4	<2	.22	.01	
Variable fine veining,	2	1	8	6	1	3	2	.22	.01	
occasionally brecciated.	8	2	8	7	1	3	<2	.20	.01	
- possible narrow shear zones,	4	1	7	7	2	4	<2	.24	.01	
trend uncertain. Mottling	<2	3	8	8	2	4	2	.28	.02	
may be weathered plag.	8	2	13	6	1	3	<2	.32	.01	
(minor trocotilite?)										
Poor outcrop	<2	3	5	8	2	4	3	.22	.01	
	10	2	9	9	2	3	3	.23	.01	
- zone of local hard Sp	6	1	7	9	2	3	2	.24	.01	
with honey comb structure.	4	2	14	7	2	3	<2	.19	.01	
	<2	1	8	8	2	3	<2	.20	.01	
	6	2	10	8	2	3	2	.20	.01	
Poor outcrop.	<2	4	7	10	3	4	4	.21	.05	
	8	6	11	10	3	3	3	.22	.02	
	<2	3	6	7	2	3	<2	.24	.05	
	<2	2	9	7	2	3	4	.24	.03	
- decomposed gr fissile dunite	6	3	7	7	2	3	4	.22	.01	
as above. Abundant talus	4	3	6	7	2	3	4	.24	.02	
Fe-rich gravel, clay, conglom.	2	4	7	8	2	5	4	.19	.03	
	<2	3	4	7	2	3	4	.24	.03	
	6	5	7	8	2	4	6	.22	.03	
	<2	2	4	5	2	3	2	.22	.02	
	<2	3	7	7	2	3	<2	.24	.03	
	4	2	9	7	2	3	4	.24	.03	
	<2	2	8	8	2	3	4	.29	.03	
	8	2	7	7	2	3	2	.24	.03	
- moderate fine black Sp	<2	1	6	5	1	3	2	.22	.01	
veining in decomposed	<2	1	8	4	1	2	<2	.24	.01	
fissile dunite.	<2	2	5	6	1	3	4	.24	.01	
	4	1	5	6	2	4	4	.22	.01	
	4	4	6	6	2	3	4	.28	.01	
	2	1	4	8	2	4	6	.22	.04	
	4	3	6	14	3	6	6	.40	.03	
	4	1	9	6	2	3	3	.24	.02	
- breccia lintense fine	2	1	7	5	2	3	4	.22	.01	
veining) texture in dunite	4	1	6	6	2	4	4	.27	.01	
as above.	<2	1	5	5	1	3	4	.24	.03	
	<2	0	3	10	2	4	6	.23	.03	
	<2	1	3	8	1	4	4	.31	.01	
	<2	1	4	9	1	4	4	.29	.02	
- weathered flaggy-fissile	<2	1	2	8	1	4	4	.24	.01	
dunite as above - very uniform	<2	1	3	9	1	5	6	.28	.02	
lithology, moderate-low fine	6	1	7	7	2	3	2	.27	.01	
veining. (-10)% diosen. cr	4	1	5	5	1	2	2	.22	.01	
(f-m).	<2	1	3	7	1	3	4	.27	.03	
	<2	1	4	5	1	3	4	.29	.01	
	6	1	5	10	1	4	4	.22	.01	
	<2	2	6	9	1	5	4	.28	.01	
- narrow unit of chalcedony	<2	3	7	15	2	5	4	.30	.01	
in dunite, honeycombed, box	<2	3	7	10	2	4	4	.31	.02	
work texture.	<2	1	10	9	1	2	2	.31	.01	
	10	1	5	13	1	3	4	.31	.01	
	<2	21	13	15	1	12	6	.37	.02	
	20	1	5	17	1	4	2	.29	.01	
	<2	2	5	14	2	3	2	.28	.01	
	<2	1	13	10	1	3	<2	.27	.02	
Trench offset.	<2	3	13	34	5	13	8	.36	.06	
Abundant chalcedony float.	2	2	9	16	2	6	4	.32	.03	
moderate veining.	<2	2	10	22	3	11	8	.31	.03	
Minor white mica.	<2	7	10	30	5	21	18	.36	.06	
- decrease in fissility.	<2	5	14	36	4	39	40	.41	.06	
	<2	4	9	18	3	16	16	.31	.02	
DUNITE: blocky-fissile - same	<2	3	8	22	3	14	10	.34	.03	
lithology as above, f-m diosen.	<2	1	7	19	3	7	4	.40	.02	
chromite Sh, occasionally	<2	3	10	15	2	4	<2	.26	.03	
(5%+), low-moderate fine black	<2	3	10	14	2	4	2	.35	.03	
anastomosing Sp/mag veining.	18	7	10	10	3	6	6	.35	.03	
	4	8	5	8	2	5	6	.35	.02	
	6	4	5	9	2	4	4	.37	.01	
	10	2	6	8	2	4	2	.28	.01	
	6	2	5	8	2	4	2	.37	.01	
	14	2	17	8	2	4	<2	.45	.01	
	20	2	22	9	2	4	<2	.35	.01	
	4	3	4	16	3	7	2	.37	.04	
	16	2	9	9	2	4	2	.37	.02	
	22	1	11	9	2	5	2	.28	.02	
	4	1	4	6	1	4	2	-	-	

LITHOLOGY LEGEND

Dol	DOLERITE
Dn	DUNITE
Px	PYROXENITE
Hz	HARZBURGITE
Ct	CHROMITITE
Sp	SERPENTINITE

5 cm

88-2876

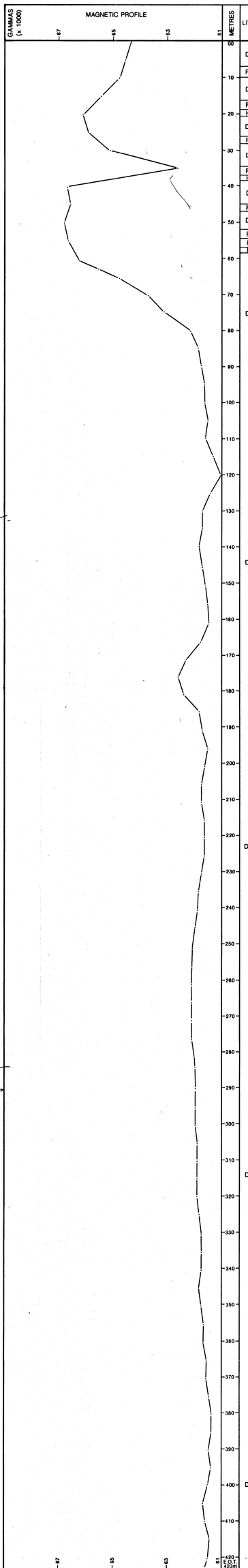
720082

METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85 Tasmania

Title: FENTONS TRENCH 8

Author	K.M.	Date	8/88	Scale	1:500
Drawn	B.L.C.	Office	PER	Revised	Date
Drawing No.	02/HZ/3/09				Fig. No.



DESCRIPTION	Au ppb	Pt ppb	Pd ppb	Ru ppb	Rh ppb	Ir ppb	Os ppb	Ni %	Cr %	3m SAMPLING
DUNITE/PYROXENITE:-	4	12	2	4	3	1	4	.24	.02	
Grey serpentinised mesh texture,	20	11	7	4	3	2	4	.2	.04	
fine veining, floggy-sub fissile.	16	20	21	21	4	1	2	.11	.03	
max. 5% disseminated chromite.	4	22	5	20	4	2	2	.18	.03	
Minor Px. Range of lithologies	10	18	3	3	2	1	<2	.12	.01	
(dunite, harzburgite, pyroxenite)	<2	11	8	10	2	1	<2	.16	.02	
- clots, coarse Px in part.	4	45	7	4	2	0	<2	.13	.02	
	4	39	20	4	4	2	2	.12	.04	
	10	31	12	6	4	1	6	.14	.05	
DUNITE: Sheared, serpent. low	12	46	17	4	5	2	4	.13	.02	
cr. Associated minor serpent.	<2	26	20	13	3	1	<2	.14	.03	
Px, black-dk gr serpent. dunite	2	57	11	2	5	1	<2	.15	.03	
<5% cr.	8	34	13	3	4	3	<2	.08	.03	
	12	81	11	1	6	1	<2	.09	.03	
Sheared, dk, part. serpent.	6	53	12	4	4	1	<2	.12	.04	
Px/weathered serpent. dunite.	6	33	3	3	3	1	<2	.17	.05	
	6	7	7	3	4	2	<2	.15	.03	
Hard Px unit.	26	11	8	13	3	2	<2	.18	.07	
	2	16	14	6	3	3	<2	.16	.05	
	12	14	6	13	6	1	2	.18	.07	
(max. 10%)	8	9	13	5	2	4	<2	.17	.04	
DUNITE: Green-grey, olive-brown,	24	3	26	4	3	1	<2	.15	.04	
uniform, part. serpent. blocky-	<2	3	1	10	4	0	<2	.17	.01	
massive, 5% ave.disseм. f-m chron.	<2	4	3	9	3	1	<2	.18	.01	
As above, up to 10% fine black	<2	5	2	9	3	1	<2	.19	.02	
veining in dunite, mesh texture	<2	7	2	6	3	1	<2	.19	.05	
preserved, with one dominant	6	8	4	7	5	1	<2	.16	.06	
direction (foliation) selected	<2	6	3	11	2	0	<2	.18	.05	
by veining - some chromite	4	4	2	5	2	0	<2	.13	.02	
c-v.c., euhedral.	4	4	1	6	2	1	<2	.15	.01	
	2	5	1	5	2	1	<2	.15	.02	
	4	6	2	10	3	1	<2	.14	.02	
DUNITE: part. serpent. massive	<2	11	2	7	2	0	<2	.16	.01	
with up to 10% (average 2-5%)	4	5	4	7	3	1	2	.16	.02	
f-v.c. disseminated chromite.	4	6	2	6	3	1	2	.17	.02	
- high chromite, most f. grained.	4	5	5	6	3	1	<2	.18	.02	
	4	4	3	6	3	1	<2	.16	.01	
	4	4	4	8	2	1	<2	.20	.02	
DUNITE: Brown, fissile-blocky,	8	5	3	7	2	2	4	.21	.01	
weathered, porous, low density,	6	6	3	11	2	4	6	.29	.02	
up to 10% f. disseм. chromite.	6	5	4	10	2	3	4	.31	.03	
	6	11	13	32	3	5	16	.32	.02	
Narrow zone intense serpent.	4	8	6	11	3	3	4	.22	.01	
abund. white, black s mins.	4	10	5	8	5	5	6	.27	.04	
irregular veining, replacement	4	16	4	10	3	5	6	.24	.03	
texture.	4	9	4	13	4	7	8	.26	.03	
Zone of intense fine, black,	8	8	6	11	4	4	4	.23	.02	
white veining (brecciation).	8	6	4	6	3	2	4	.2	.01	
- No Ni5	4	6	4	8	4	2	4	.16	.02	
	4	4	3	11	3	2	2	.27	.03	
	6	6	6	13	3	2	2	.22	.02	
Narrow zone of intense serpent.	4	5	5	12	3	1	<2	.21	.03	
in dunite unit as above.	6	13	5	8	3	2	<2	.21	.02	
- minor Px (probably float)	2	11	4	9	3	1	<2	.19	.01	
	26	19	17	33	5	3	2	.26	.03	
	8	12	5	6	2	1	2	.26	.01	
	<2	7	3	8	3	1	<2	.21	.02	
DUNITE: Fissile, soft weathered	4	0	3	1	0	0	<2	.19	.02	
uniform, as above - variable	2	4	3	5	2	0	<2	.18	.01	
veining with white, black s	16	6	3	6	2	1	<2	.16	.01	
mins, + magnetite.	<2	13	3	6	2	1	<2	.14	.01	
	4	12	3	6	2	1	<2	.18	.01	
	<2	6	3	7	2	1	<2	.18	.01	
DUNITE: less fissile, up to 10%	<2	10	3	9	3	2	<2	.19	.01	
disseм. chromite, mostly 2-5%	<2	13	3	7	3	1	<2	.22	.01	
	4	4	4	8	2	1	<2	.23	.01	
	<2	6	2	6	2	1	<2	.19	.02	
DUNITE: part serpent. weathered	<2	7	2	9	3	1	<2	.23	.01	
brown-olive/gr fissile to	2	3	4	6	2	1	<2	.24	.01	
blocky uniform, as above.	2	15	3	7	2	1	<2	.2	.02	
	<2	8	3	7	2	1	<2	.18	.01	
	2	4	4	6	2	1	<2	.19	.02	
	<2	6	3	7	2	0	<2	.19	.02	
	2	9	3	9	3	1	<2	.19	.02	
	4	6	4	9	2	2	2	.16	.01	
	<2	4	3	7	2	0	<2	.18	.02	
	<2	5	2	6	2	0	<2	.21	.02	
	4	6	3	6	2	1	<2	.2	.03	
	<2	8	3	5	2	3	<2	.19	.02	
	<2	10	3	6	2	1	<2	.21	.03	
	<2	4	2	5	2	1	<2	.17	.03	
	4	4	7	6	2	1	2	.18	.03	
	<2	10	4	5	2	1	<2	.18	.03	
	<2	16	4	7	3	1	<2	.21	.03	
	2	6	3	8	2	2	<2	.21	.03	
DUNITE:	<2	3	3	7	1	1	<2	.18	.01	
Weathered, low density, porous	<2	5	3	6	2	1	<2	.19	.01	
"sandstone-like" part-serpent.	<2	5	3	6	2	1	<2	.2	.02	
- fissility near horizontal	<2	5	3	7	2	1	<2	.15	.01	
(max. 10%)										
- as above - 2 grain size										
populations of chromite										
1) disseminated v.f. - m										
2) partly trained c - v.c.	18	2	8	5	3	2	2	.30	.02	
	8	0	15	5	1	0	<2	.21	.02	
DUNITE: moderately veined, &	6	1	4	4	1	3	<2	.30	.02	
black-dk gr serpentinised.	24	8	18	5	1	2	4	.31	.02	
	<2	2	11	2	1	4	4	.35	.04	
Abundant ferrug. alluvial gravels,	8	3	3	6	4	2	2	.13	.09	
heavy black - red/br soil,	8	19	18	5	5	2	2	.20	.16	
sediment.	20	17	10	15	5	5	4	.22	.01	
	8	5	3	9	2	5	6	.14	.02	
(No Osmiridium from 3 dishes	4	5	2	10	2	5	6	.17	.03	
panned)										
	2	7	3	9	3	2	4	.19	.06	
Gravels, partly cemented to	12	12	12	6	3	3	4	.16	.10	
conglomerates.	<2	14	5	11	3	3	<2	.21	.16	
	12	220	25	7	6	6	<2	.29	.08	
Dunite bedrock as above.	10	2	15	11	1	1	<2	.25	.02	
- dunite locally white speckled	4	11	12	8	3	4	<2	.22	.06	
(probably s minerals).	<2	18	3	11	2	2	4	.24	.05	
	10	2	7	5	1	2	4	.27	.02	
	4	7	14	5	2	2	2	.21	.05	
- DUNITE: serpent., hard, green	4	23	3	10	5	120	68	.16	.04	
white.	<2	4	3	19	3	6	4	.33	.07	
	4	11	3	19	4	10	14	.31	.1	
DUNITE: fissile, green, part.	8	4	3	21	4	11	8	.38	.11	
serpent. Moderate fine black,	2	3	3	17	2	6	4	.29	.03	
white Sp veining.	2	2	2	8	2	6	6	.25	.01	
	4	4	3	8	1	4	4	.22	.01	
DUNITE: Uniform, green fissile	4	4	3	11	1	5	4	.27	.02	
variable serp. veining. MnO_2	8	2	5	13	1	8	6	.00	.01	
staining on joints, fissile	8	2	5	10	1	4	6	.34	.01	
planes. Consistent 5% chromite	16	9	5	9	1	5	4	.38	.02	
with occassional max. 10%.	8	8	5	17	4	5	6	.39	.06	
	6	12	4	26	5	15	16	.39	.09	
	6	6	6	23	4	12	10	.37	.04	
	8	3	3	20	3	11	10	.36	.04	
Local intense veining	2	3	4	40	3	6	6	.40	.05	
(brecciation) - may be float.	4	3	5	17	3	10	8	.48	.08	
DUNITE: green fissile as before.	2	4	7	40	4	6	4	.50	.11	
	10	4	3	30	2	4	8	.49	.07	
	2	4	2	22	4	13	12	.46	.08	
	4	2	5	13	3	7	8	.41	.05	
Soil and slope detritus, dunite-	<2	1	1	15	2	8	6	.39	.03	
derived & contamination.	4	5	1	14	2	9	8	.47	.04	
	<2	3	2	12	2	9	6	.41	.04	
	2	3	1	20	3	11	10	.50	.05	
	4	4	2	17	3	10	6	.39	.05	
	2	2	5	39	4	5	2	.44	.05	
	<2	1	3	16	2	6	4	.42	.04	
	<2	2	1	23	3	7	4	.40	.05	

LITHOLOGY LEGEND

Dol	DOLERITE
Dn	DUNITE
Px	PYROXENITE
Hz	HARZBURGITE
Ct	CHROMITITE
Sp	SERPENTINITE

5 cm

88-2876

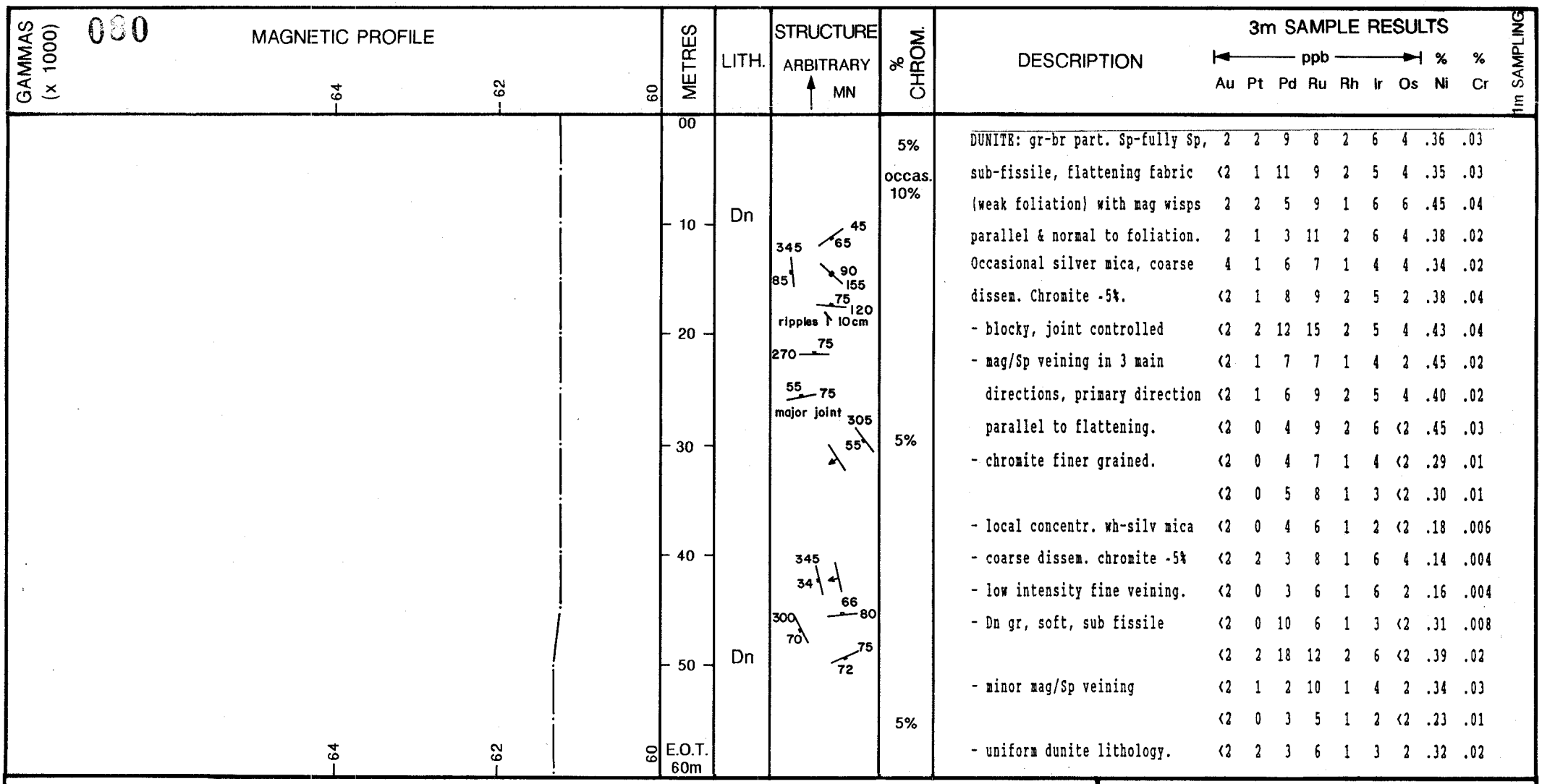
720083

METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85 Tasmania

Title: FENTONS TRENCH 9

Author	K.M.	Date	8/88	Scale	1:500
Drawn	B.L.C.	Office	PER	Revised	Date
Drawing No.	02/HZ/3/10				Fig. No.



LITHOLOGY LEGEND

Dol	DOLERITE
Dn	DUNITE
Px	PYROXENITE
Hz	HARZBURGITE
Ct	CHROMITITE
Sp	SERPENTINITE

720084

88-2878

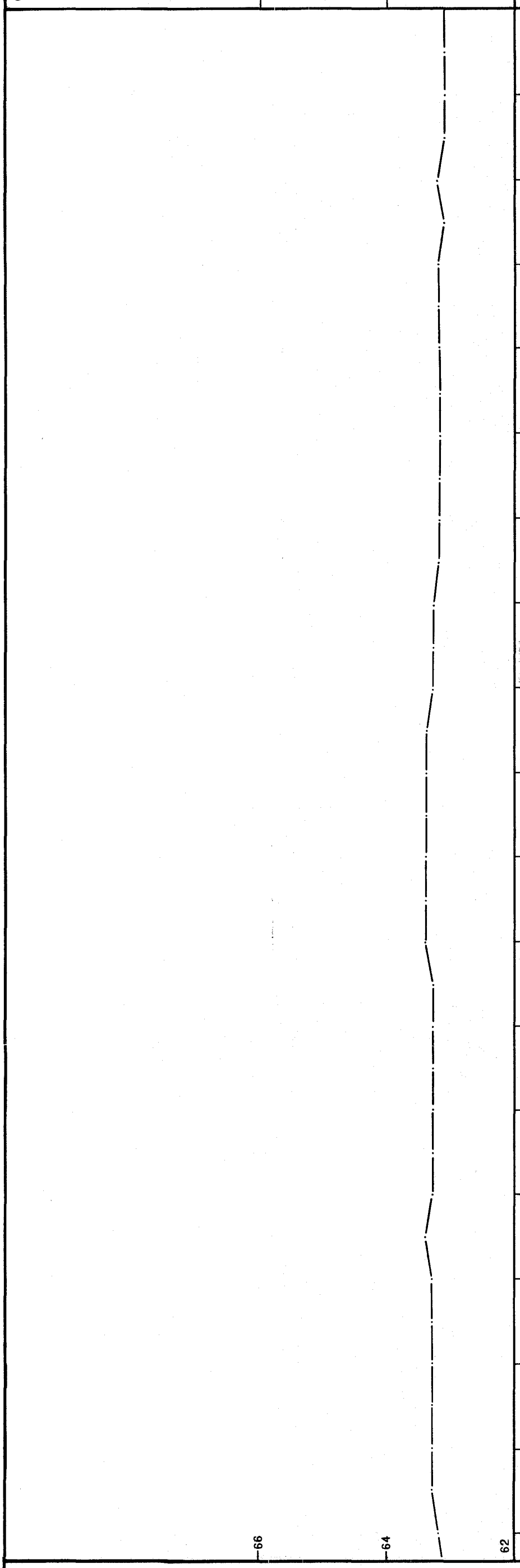
5 cm

METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85
Tasmania

Title: FENTONS TRENCH 10

Author	K.M.	Date	8/88	Scale	1:500
Drawn	S.L.C.	Office	PER	Revised	Date
Drawing No.	02/HZ/3/11			Fig. No.	



DESCRIPTION	Au	Pt	Pd	Ru	Rh	Ir	Os	% Ni	% Cr
DUNITE: green, weathered, soft	4	0	7	9	2	3	4	.25	.01
serpent., no ol preserved. 1-3%	<2	1	4	7	2	4	2	.22	.01
f-m dissem. chromite. Abundant	8	0	7	7	1	4	2	.26	.01
slicks. in Sp on joint, fracture	<2	0	6	4	1	5	4	.25	.01
faces. Some joints curved.	<2	1	6	5	2	4	2	.25	.02
- poorly developed fissility	2	2	8	8	2	4	<2	.25	.02
- ripples assoc. with slickensides	6	0	7	4	2	3	<2	.24	.02
- locally 5% c cr, occasionally	4	0	5	10	2	7	6	.26	.01
in aggregates, often euhedral.	<2	0	5	4	1	2	<2	.28	.01
- locally bk-gr, sheared, heavily	2	0	5	6	2	3	<2	.23	.01
serpent. with Sp veining,	2	0	8	7	2	3	<2	.27	.01
multiple slick. directions.	4	1	8	7	1	4	2	.26	.02
- locally planar concentrations	<2	1	4	6	0	3	2	.24	.01
of silver-green mica.	<2	3	8	6	1	4	2	.23	.01
Slickensides parallel to joint	<2	1	9	10	2	5	2	.25	.01
strike or bisecting strike, dip.	2	3	8	5	2	3	<2	.26	.01
- locally clots v.coarse chromite	<2	0	7	8	2	3	<2	.21	.02
- curved - planar joint surfaces	<2	1	9	5	2	5	2	.23	.01
with Sp smear showing slicks.,	<2	1	5	8	2	3	<2	.22	.01
ripples, steps. (ripples	2	2	6	6	2	2	2	.20	.01
typically with ~10cm).	<2	2	7	7	2	3	2	.22	.02
	8	2	8	6	2	4	4	.21	.01
Alluvial gravels.									
- decomposed dunite as above,	<2	0	7	3	2	5	2	.23	.01
uniform, partly covered with	<2	0	6	4	1	2	<2	.26	.01
talus, slope debris. Up to	2	2	4	5	2	4	<2	.24	.01
10% dissem. c-v.c. cr.	4	1	6	8	2	4	2	.25	.02
	4	2	4	8	2	4	4	.30	.01
- locally up to 20% chrom.	<2	4	5	3	2	5	4	.30	.02
- abund. dolerite, basalt,	6	9	6	6	1	5	<2	.32	.04
chalced. float.	2	1	4	6	1	3	<2	.28	.03
DUNITE: green-brown, deeply	<2	1	5	5	1	4	<2	.22	.03
weathered, serpent., locally	<2	0	6	4	1	2	<2	.28	.04
sheared. Poor exposure. Up to	<2	0	7	5	1	3	<2	.23	.03
10% dissem. m-v.c. cr, locally	<2	0	5	6	1	3	<2	.27	.03
high conc. clots v.c. cr.	<2	0	7	3	1	0	<2	.25	.02
	<2	5	4	3	2	6	2	.23	.04
	<2	6	7	5	1	3	<2	.24	.03
	<2	1	5	3	1	3	<2	.22	.02
	2	0	5	6	2	3	2	.46	.03
	2	1	7	8	2	7	<2	.33	.04
	<2	2	5	7	2	4	2	.34	.04
- intensely sheared, coarse	<2	2	7	4	2	4	<2	.23	.03
fibrous s mins. on joint faces.	<2	0	5	6	1	2	<2	.22	.02
	<2	1	5	7	1	5	<2	.22	.02
- multiple slick. directions on	<2	0	4	4	1	1	<2	.18	.02
curved, planar joints.	<2	1	4	5	1	4	4	.32	.03
	<2	0	4	4	1	2	<2	.24	.02
DUNITE: green, serpent. decomp.	<2	0	2	7	1	3	2	.30	.01
as above. 5% f-m dissem. cr.	<2	2	5	5	1	6	4	.21	.01
- less intensely sheared, blocky	<2	1	6	5	1	3	2	.24	.02
(less fissile than above)	4	2	4	6	1	3	4	.23	.01
- ripple slicks. on all faces.	<2	5	5	8	2	6	12	.24	.01
- fissility locally developed.	<2	3	4	7	2	6	2	.33	.02
	<2	0	4	4	1	3	<2	.27	.01
	2	2	7	6	2	4	2	.25	.01
5-10% dissem. + clots, vc-c cr	2	1	6	8	2	4	<2	.29	.02
- multiple joints, fractures	<2	0	2	6	0	2	<2	.33	.02
- cliffs in dunite									

LITHOLOGY LEGEND

Dol	DOLERITE
Dn	DUNITE
Px	PYROXENITE
Hz	HARZBURGITE
Ct	CHROMITITE
Sp	SERPENTINITE

720085

88-2878

5 cm

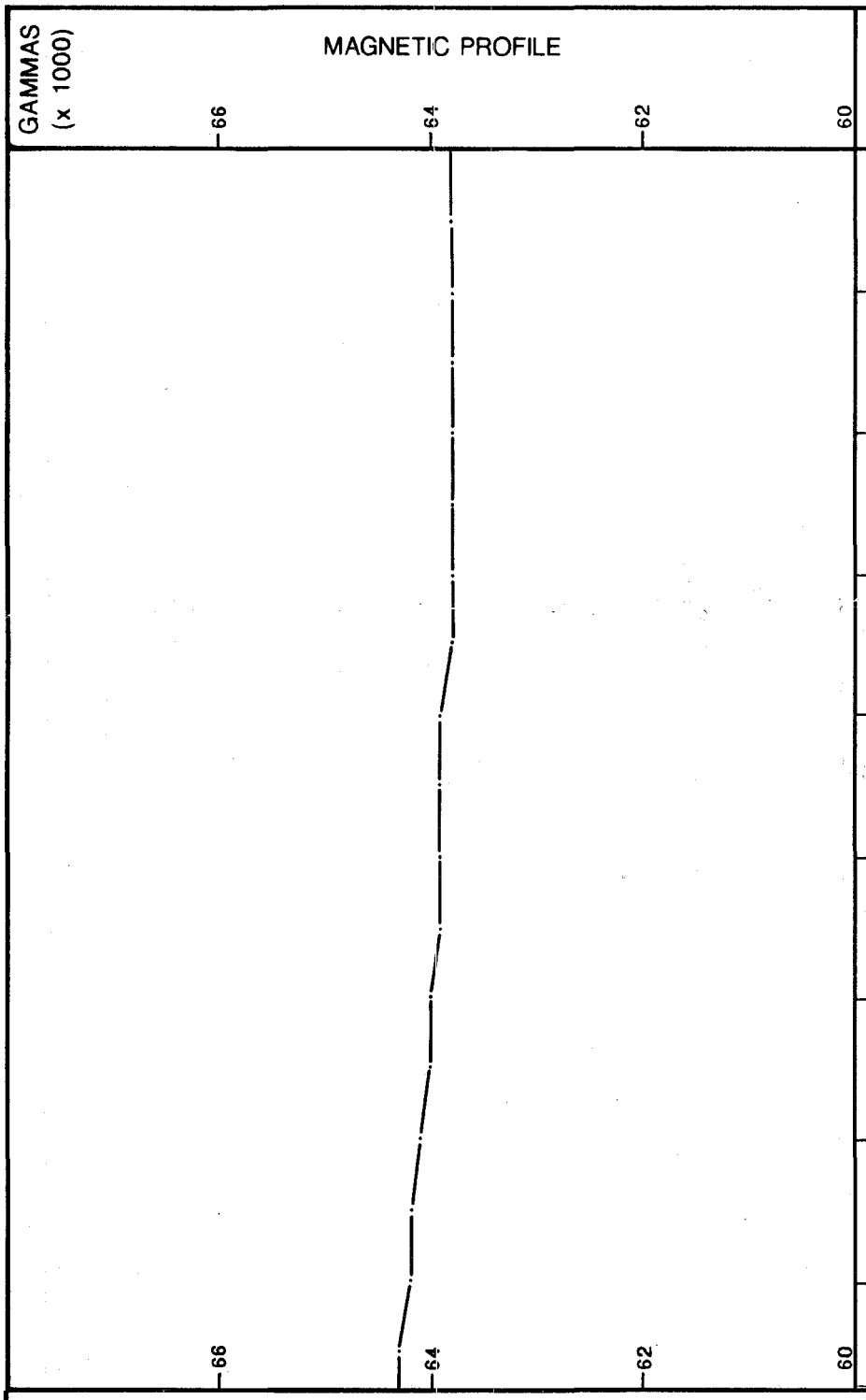
METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85 Tasmania

Title: FENTONS TRENCH 12

Author	K.M.	Date	8/88	Scale	1:500
Drawn	S.L.C.	Office	PER	Revised	Date
Drawing No.	02/HZ/3/13				Fig. No.

083



DESCRIPTION	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
DUNITE: gr, Sp, soft, weathered,	<2	1	6	6	1	2	2	.23	.01
part. sheared, av. 5% m-vc Cr	<2	1	6	7	1	2	<2	.26	.01
mainly dissem, with minor clots	2	1	6	4	1	3	4	.28	.01
of c-vc. No ol preserved.	<2	1	4	6	1	2	<2	.12	.01
- locally 5-10% med. dissem. Cr	<2	2	5	6	1	4	2	.26	.02
- slicks. in Sp with ripples,	4	3	5	5	1	2	2	.30	.02
steps-on joint surfaces.	8	1	8	5	1	4	2	.25	.02
- bk blotchy texture, poorly	<2	0	7	4	2	3	<2	.22	.01
developed wavy fissility, bl (Ni?)	4	2	7	7	1	3	4	.30	.01
colour on some joint faces.	<2	1	6	5	1	3	2	.22	.03
Decomposed gr Sp Dn as above.	4	2	4	5	1	3	2	.25	.03
Cover of ferrug. humic-rich soil	4	0	5	5	1	4	2	.22	.03
talus.	<2	1	4	7	1	5	<2	.13	.02
DUNITE: as above. Abundant slicks.	2	2	4	5	1	3	<2	.22	.04
within joint blocks - locally	<2	2	4	5	1	7	4	.25	.02
black-grey-blue sheared fragments	<2	1	4	7	1	5	4	.25	.03
with talcose s mins.	<2	2	6	6	1	6	4	.24	.01
- fissility, often parallel to	<2	1	3	8	1	4	4	.24	.01
jointing, in places showing	4	2	7	6	2	4	2	.23	.01
multiple attitudes.	2	1	4	5	1	4	2	.23	.03
1-3% f-m dissem Cr.	4	3	6	5	1	4	2	.24	.03
- ripples, steps in Sp (-10cm)	<2	2	2	6	0	3	<2	.27	.03
- narrow shears of intense Sp -	2	3	4	6	2	5	2	.26	.02
bk-gr-wh, abund. frags. fibrous	<2	2	4	4	1	3	4	.26	.02
s, + elliptical frags. dk Sp,	2	1	6	5	1	3	4	.25	.02
shiny with talcose feel.	2	0	4	4	1	2	<2	.23	.02
-locally bk blotchy texture in Dn	4	1	5	5	1	3	2	.22	.01
-dk bl-rd Sp smear on joint faces.	2	5	7	4	2	14	4	.25	.03
Occasional planar coating wh mica.	2	0	6	2	1	2	<2	.24	.03
- ripples, steps in Sp/Fe oxide surface (-10cm).									

3m SAMPLE RESULTS — ppb

1m SAMPLING

LITHOLOGY LEGEND

Dol	DOLERITE
Dn	DUNITE
Px	PYROXENITE
Hz	HARZBURGITE
Ct	CHROMITITE
Sp	SERPENTINITE

7200 85A

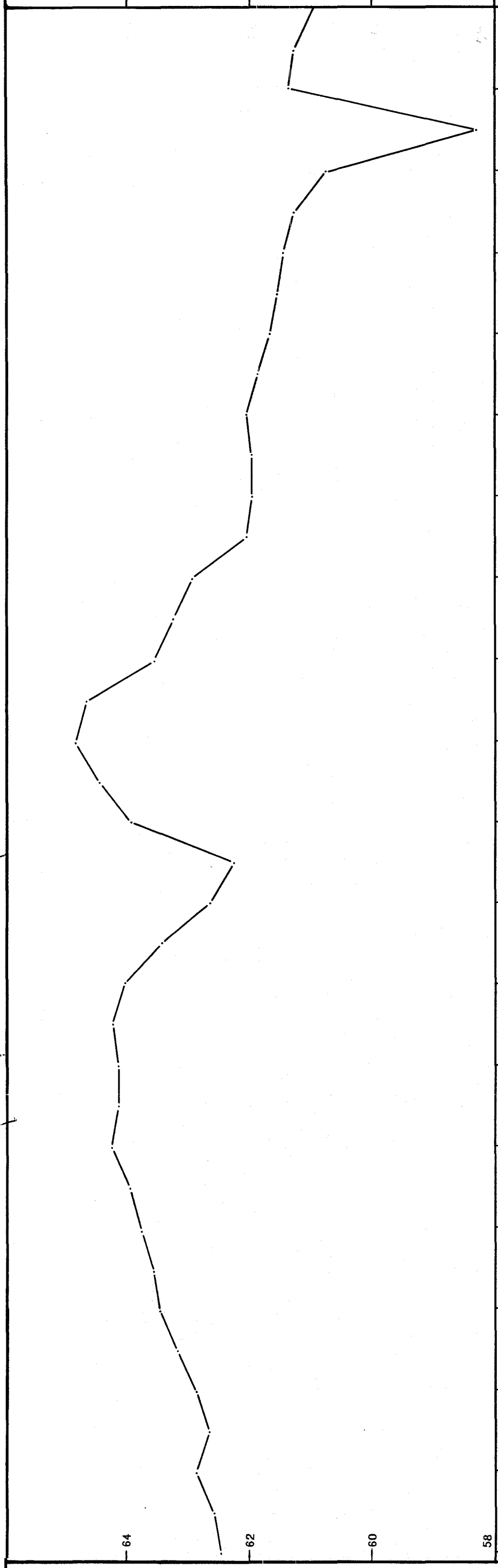
88-287

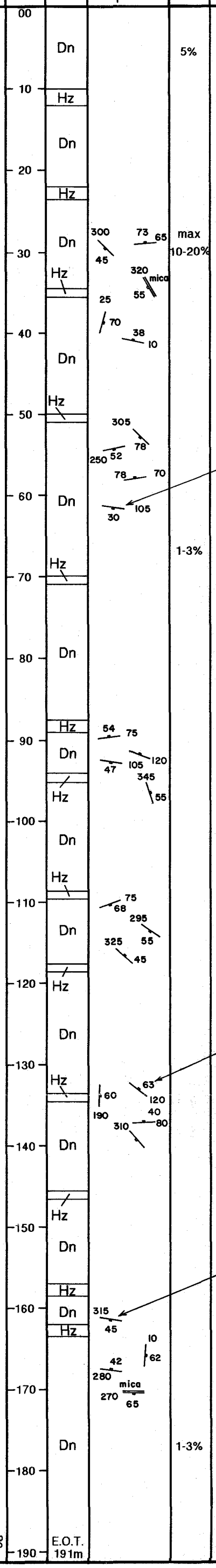
METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85 Tasmania

Title: FENTONS TRENCH 13

Author	K.M.	Date	8/88	Scale	1:500
Drawn	S.L.C.	Office	PER	Revised	Date
Drawing No.	02/HZ/3/14				Fig. No.





DESCRIPTION	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
SERPENTINITE: mottled gy/gr-bk-	<2	0	5	3	1	3	<2	.25	.02
wh, sheared, weathered, locally	<2	0	3	3	0	2	2	.23	.02
etched mesh texture, locally	2	5	3	6	2	4	2	.23	.03
remnant primary px bands,locally	<2	3	2	5	1	3	4	.23	.04
clots c-vc chromite + dissem.	<2	2	3	4	2	5	2	.25	.03
f.m. chromite.	<2	3	2	3	1	4	4	.24	.01
Sp, blocky, brittle.	<2	3	2	8	2	5	6	.27	.02
- locally white blotchy s mins.	<2	2	3	9	1	6	6	.27	.02
-locally silver-wh mica on planes	<2	2	2	8	1	4	2	.24	.03
- locally up to 20% chromite in	<2	0	2	6	1	3	4	.25	.02
clots + dissem.	<2	3	4	7	1	4	6	.17	.01
- serpent. granular Hz - br	<2	0	2	4	2	4	2	.24	.02
px 2-5mm	<2	2	7	6	1	4	2	.21	.02
- Sp (no px visible), gr-bk-wh,	<2	6	8	5	1	5	8	.24	.01
blocky. c-vc chromite, locally	<2	1	3	4	1	3	6	.25	.02
enriched in trains, thin lenses.	<2	2	5	3	1	3	4	.30	.01
DUNITE/Hz: Sp, gr-wh, blocky,	<2	2	2	2	1	3	2	.28	.01
locally blotchy texture,mainly Dn	<2	1	2	4	1	2	2	.26	.01
- local px-rich bands.	<2	1	6	3	1	2	2	.25	.01
Slicks. on joint faces with	<2	2	5	4	1	4	2	.23	.01
1/2cm steps at 5cm spacing, in	<2	3	8	6	1	3	6	.23	.01
Sp min. surface.	<2	3	2	3	1	5	4	.26	.03
DUNITE: Sp, as above, foliation,	<2	1	11	7	2	2	<2	.24	.02
flattening with thin wisps mag	<2	4	3	2	1	3	2	.26	.02
mainly parallel to foliation &	<2	4	8	4	1	5	4	.25	.01
along micro fractures normal to	<2	3	6	10	1	4	4	.25	.02
foliation.	<2	2	5	5	1	4	4	.25	.01
- locally narrow Hz bands.	<2	2	3	8	2	5	4	.27	.01
DUNITE: serpent., minor Hz, wh-	<2	3	7	5	2	5	2	.27	.01
lt grey, blocky, 1-3% dissem.	<2	2	4	8	1	4	4	.24	.02
f. cr. Locally mesh texture	<2	2	2	4	1	4	4	.25	.03
preserved.	<2	3	3	9	1	4	4	.25	.02
	<2	3	4	11	1	5	6	.28	.02
- as above, black wavy wisps	<2	2	3	13	1	4	6	.28	.01
(magnetite?) define foliation.	<2	18	4	4	2	7	4	.26	.02
- locally clots c. cr, 1-3%	<2	3	5	4	1	4	2	.29	.02
- minor px-rich bands.	2	3	2	6	1	3	<2	.27	.02
	6	2	2	3	1	2	<2	.29	.04
SERPENTINITE:	6	3	2	13	1	3	2	.27	.01
as above, grades into relatively	4	3	5	4	2	4	4	.27	.02
less serpent. Dn, minor Hz.	4	2	5	4	1	2	2	.24	.04
- locally blotchy texture	4	2	2	3	1	4	2	.24	.01
- abundant dendritic MnO_2.	4	2	1	9	1	3	6	.25	.01
Often curved joint face, sometimes	2	1	1	7	0	2	6	.27	.01
with near horizontal dip.	2	2	2	12	1	5	4	.28	.01
- mag with some coppery colour	<2	1	2	3	1	3	4	.27	.01
on fractures (lustre effect?)	<2	3	2	8	1	2	3	.29	.01
	<2	2	2	20	2	4	4	.25	.01
DUNITE: serpent. - no foliation,	<2	4	3	11	2	4	8	.26	.01
blocky, minor dissem. cr.	4	3	3	10	2	5	6	.23	.01
	4	2	3	13	1	4	6	.24	.01
- blocky - part.-deeply weathered.	2	7	5	10	2	4	4	.25	.01
- as above.	4	2	4	29	3	4	2	.27	.01
Small steps, ripples in Sp on	<2	2	3	7	2	3	4	.26	.01
joint faces.	2	2	4	12	2	3	2	.25	.01
	<2	2	5	7	1	4	<2	.24	.02
	2	3	2	6	1	8	8	.23	.01
	<2	7	3	11	1	3	4	.22	.03
	8	2	4	8	2	4	4	.27	.02
DUNITE: grey-green-brown,									
part.-heavily Sp. Flattened	2	0	6	10	3	6	4	.27	.02
fabric with foliation including	2	2	6	7	2	5	4	.27	.01
black magnetite? wisps.	2	2	5	8	1	3	<2	.25	.01
Mesh texture preserved, variable dissem. f-m + clots m-vc cr.									

3m SAMPLE RESULTS — ppb — %

1m SAMPLING

LITHOLOGY LEGEND

Dol	DOLERITE
Dn	DUNITE
Px	PYROXENITE
Hz	HARZBURGITE
Ct	CHROMITITE
Sp	SERPENTINITE

720086

88-2878

5 cm

METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85 Tasmania

Title: FENTONS TRENCH 11

Author	K.M.	Date	8/88	Scale	1:500
Drawn	S.L.C.	Office	PER	Revised	Date
Drawing No.	02/HZ/3/12				Fig. No.

000

720087

88-2876
MINES
File Ref. E.L. 21/85
11 NOV 1988
Doc. Ref.
Action Officer | Initials
REFER TO
LETTER DATED
9.11.88
Resubmit to | Date

HEAZLEWOOD PROSPECTS
NORTH WEST TASMANIA
EL 21/85

ANNUAL REPORT FOR THE PERIOD ENDING 1.12.88

YEAR 3 (2.12.87 - 1.12.88)

REPORT NO. 212010

VOLUME 1 OF 2

OPEN FILE

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S.J. CARTHEW
P.G. BELLAIRS

OCTOBER 1988

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b) Purcells Prospect
c) Caudrys Prospect
d) Burgess area
e) Brassey - Brassey North area
f) Jasper Prospect

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PROPOSED EXPLORATION PROGRAMME, YEAR 4

ACKNOWLEDGEMENTS

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ADDENDUM : Additional information : miscellaneous sample locations

EXPENDITURE STATEMENT

APPENDIX 1E

GEOCHEMISTRY MAPS 1:2,500

085

5 cm

AMG grid north

88-2876

Data processing by CAD-MAP PTY LTD

* Search Limit Radius = 200m
* Grid Size = 20m X 20m
* Contour In erval = 10

720090

1:2500

0 50 100 150 200 250

METALS EXPLORATION LTD

FENTON'S PROSPECT
GEOCHEMISTRY - PT

GEOPHYSICAL EXPLORATION CONSULTANTS PTY LTD

Hugh Rutter | SEPT 1988

APPENDIX 1F

TRENCH 1m GEOCHEMISTRY

027

TRENCH FT-2

TRENCH 2 (PPB)

SAMPLE NO	INTERVAL	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
726503	159-160	<2	4	0	4	2	4	2	.28	.01
726504	161	<2	4	1	4	2	5	2	.16	.10
726505	162	<2	4	1	9	2	6	2	.24	.01
726506	312-313	<2	3	0	9	3	5	2	.33	.03
726507	314	<2	1	0	11	2	5	2	.38	.04
726508	315	<2	1	2	10	2	5	2	.44	.05
726509	324-325	<2	11	0	8	3	5	4	.40	.04
726510	326	<2	21	3	8	4	8	3	.26	.03
726511	327	<2	12	3	6	2	5	4	.21	.03
726512	328	<2	7	1	8	3	7	5	.28	.04
726513	329	<2	5	3	6	2	6	4	.27	.03
726514	330	<2	5	0	9	2	6	4	.22	.04
726515	331	<2	5	2	7	2	6	4	.26	.04
726516	332	<2	8	4	8	2	6	4	.22	.03
726517	333	<2	6	2	6	2	6	4	.24	.05
726518	336-337	<2	6	2	10	2	5	4	.25	.04
726519	338	<2	3	2	9	2	5	2	.24	.03
726520	339	<2	4	6	6	2	5	4	.28	.06
726521	345-346	<2	4	6	10	2	5	4	.45	.09
726522	347	<2	5	3	9	2	5	2	.59	.10
726523	348	<2	4	0	9	2	5	2	.28	.13
726524	351-352	<2	2	3	7	2	5	2	.35	.06
726525	353	<2	4	1	9	2	5	2	.41	.07
726526	354	<2	3	0	9	2	5	<2	.33	.05
726527	360-364	<2	3	5	8	2	6	2	.36	.06
726528	362	<2	3	1	11	2	5	2	.43	.07
726529	363	<2	3	2	12	2	5	2	.39	.01
726530	369	<2	3	3	7	2	6	2	.38	.08
726531	365	<2	3	5	8	2	5	2	.40	.07
726532	366	<2	2	4	9	2	5	2	.31	.05
726533	367	<2	3	2	9	2	5	2	.34	.05
726534	367-368	<2	1	3	7	0	3	<2	.46	.04
726535	369	<2	4	1	8	2	5	2	.42	.07
726536	370	<2	6	7	11	5	6	4	.26	.04
726537	371	<2	5	4	10	3	6	4	.31	.03
726538	373	<2	3	3	16	2	6	2	.49	.01
726539	374	<2	2	3	9	2	5	2	.38	.06
726540	375	<2	2	2	4	2	6	2	.26	.01
726541	375	<2	3	4	9	2	8	4	.28	.04
726542	376	<2	2	3	11	2	6	2	.35	.04
726543	377	<2	2	2	8	2	5	2	.31	.04
726544	378	<2	2	0	9	1	5	4	.43	.07
726545	379	<2	2	1	7	1	4	2	.39	.04
726546	380	<2	1	0	6	1	6	4	.30	.03
726547	381	<2	2	0	6	1	5	4	.33	.04
726548	382	<2	1	0	7	2	5	2	.26	.05
726549	383	<2	2	1	9	2	5	4	.44	.06
726550	384	<2	1	0	9	2	6	4	.31	.04
726551	385	<2	2	2	6	2	7	4	.39	.13
726552	386	<2	1	1	7	1	6	2	.31	.04
726553	387	<2	2	2	10	2	6	2	.46	.04
726554	388	<2	2	2	6	2	6	2	.29	.20
726555	389	<2	2	2	10	2	6	4	.37	.04
726556	390	<2	1	2	7	1	6	4	.34	.04
726557	391	<2	3	4	6	2	7	4	.34	.03
726558	392	<2	2	2	7	2	5	4	.37	.05
726559	393	<2	3	2	8	2	6	4	.35	.05
726560	394	<2	2	4	8	2	5	4	.39	.05
726561	395	<2	2	2	8	1	5	2	.42	.05
726562	396	<2	2	1	9	2	6	2	.31	.06
726563	397	<2	2	3	9	2	7	8	.42	.09
726564	398	<2	2	7	8	2	6	4	.39	.05

TRENCH 2 (PPB)

SAMPLE NO	INTERVAL	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
726565	398-399	<2	3	5	11	2	7	4	.45	.12
726566	400	<2	2	3	14	3	8	4	.53	.11
726567	401	<2	3	4	14	3	8	4	.56	.07
726568	402	<2	2	5	12	3	7	4	.44	.07
726569	403	<2	2	4	13	3	8	5	.37	.06
726570	404	<2	2	5	9	2	6	2	.38	.06
726571	405	<2	3	5	13	3	8	4	.38	.07
726572	406	<2	2	6	10	3	7	4	.34	.05
726573	407	<2	2	6	12	3	8	4	.42	.10
726574	408	<2	4	4	12	3	7	4	.44	.07
726575	409	<2	3	5	12	3	7	4	.42	.05
726576	410	<2	2	8	12	3	8	4	.37	.04
726577	411	<2	3	5	11	3	7	4	.36	.07
726578	412	<2	2	4	8	1	6	4	.41	.07
726579	413	<2	2	4	9	2	6	4	.44	.09
726580	414	<2	4	5	10	3	7	4	.43	.12
726581	415	<2	2	6	10	3	8	4	.42	.06
726582	416	<2	3	4	9	3	9	4	.44	.05
726583	417	<2	2	2	13	3	10	6	.56	.06
726584	420-421	<2	1	1	10	3	9	4	.47	.09
726585	422	<2	2	2	9	2	5	2	.41	.05
726586	423	<2	2	2	8	2	6	3	.36	.04
726587	424	<2	2	3	11	3	7	4	.40	.04
726588	425	<2	2	4	13	3	10	6	.39	.05
726589	426	<2	4	3	15	3	10	6	.40	.10
726590	427	<2	3	3	14	3	9	6	.41	.09
726591	428	<2	2	6	12	3	9	4	.42	.05
726592	429	<2	2	4	13	3	9	4	.45	.05
726593	430	<2	2	3	10	2	7	4	.39	.07
726594	431	<2	3	3	12	2	8	4	.37	.05
726595	432	<2	3	4	12	3	9	4	.38	.05
726596	432-433	<2	3	3	13	3	9	6	.45	.04
726597	434	<2	3	6	12	2	9	4	.45	.09
726598	435	<2	2	4	10	2	8	4	.39	.10
726599	436	<2	1	4	12	3	10	5	.44	.09
726600	437	<2	2	4	12	2	11	6	.46	.09
726601	438	<2	2	3	11	2	9	6	.37	.08
726602	439	<2	3	3	13	3	9	4	.44	.15
726603	440	<2	3	4	14	3	9	4	.44	.16
726604	441	<2	2	4	11	3	10	6	.45	.08
726605	442	<2	4	4	14	3	9	6	.39	.08
726606	443	<2	3	3	11	2	7	4	.37	.08
726607	444	<2	3	4	10	2	7	4	.42	.07
726608	445	<2	2	4	12	3	10	6	.41	.09
726609	446	<2	3	3	13	3	7	5	.39	.06
726610	447	<2	3	3	14	3	10	8	.49	.08
726611	448	<2	4	2	13	3	7	4	.51	.08
726612	449	<2	2	2	13	3	7	4	.39	.09
726613	450	<2	2	2	15	3	7	4	.36	.07
726614	451	<2	2	2	12	3	6	4	.33	.13
726615	452	<2	4	2	14	3	8	4	.31	.16
726616	453	<2	3	3	13	3	8	4	.30	.06
726617	454	<2	3	2	11	3	7	4	.31	.08
726618	455	<2	5	2	10	3	7	4	.30	.14
726619	456	<2	6	2	9	3	7	4	.28	.15
726620	457	<2	4	3	12	4	8	4	.30	.17
726621	458	<2	4	3	9	3	8	4	.26	.17
726622	459	<2	4	2	9	3	7	4	.25	.12
726623	460	<2	4	3	9	3	8	4	.27	.08
726624	461	<2	4	3	11	3	8	4	.28	.07
726625	462	<2	5	7	11	3	9	6	.29	.06
726626	463	<2	17	3	12	3	9	4	.22	.04

TRENCH 2 (PPB)

SAMPLE NO	INTERVAL	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
726627	463-464	<2	9	2	11	3	8	4	.20	.11
726628	465	<2	12	3	11	4	8	4	.22	.08
726629	466	<2	13	3	10	3	8	4	.27	.27
726630	467	<2	8	2	5	2	4	2	.16	.08
726631	468	<2	8	4	10	2	2	<2	.20	.06
726632	469	<2	6	1	4	2	2	<2	.17	.15
726633	470	<2	5	1	5	2	2	<2	.17	.14
726634	471	<2	2	1	5	1	1	<2	.21	.14
726635	472	<2	1	0	3	1	0	<2	.06	.06
726636	473	<2	1	1	6	1	1	<2	.16	.05
726637	474	<2	7	1	1	1	1	2	.09	.06
726638	475	<2	12	1	7	3	5	<2	.10	.08
726639	476	<2	9	3	3	2	3	<2	.11	.08
726640	477	<2	16	1	6	3	5	4	.08	.08
726641	492-493	<2	17	3	8	3	7	2	.15	.08
726642	494	<2	19	4	11	5	8	4	.23	.06
726643	495	<2	10	1	10	4	10	8	.20	.08
726644	496-497	<2	18	1	7	3	7	4	.22	.04
726645	500	<2	21	3	16	4	8	6	.20	.05
726646	501	<2	19	3	10	5	10	4	.24	.06
726647	503	<2	22	3	8	4	7	2	.23	.05
726648	503	<2	18	3	11	3	9	4	.20	.05
726649	504	<2	13	4	7	4	6	3	.23	.05
726650	519-520	<2	33	6	1	7	5	4	.18	.06
726651	521	<2	25	1	6	4	9	4	.17	.04
726652	522	<2	21	4	6	4	8	6	.17	.03
726653	525-526	<2	31	1	5	5	9	6	.16	.04
726654	527	<2	23	4	7	5	9	4	.18	.04
726655	529	<2	25	5	5	5	7	2	.19	.06
726656	531	<2	18	3	7	4	7	2	.31	.06
726657	530	<2	20	6	8	5	9	2	.28	.07
726658	580-581	<2	38	3	12	8	10	6	.20	.06
726659	582-583	<2	19	6	6	4	10	5	.27	.05
726660	584	<2	17	4	4	4	7	2	.29	.05
726661	587	<2	22	4	8	5	8	4	.28	.05
726662	588	<2	19	5	5	5	8	<2	.26	.06
726663	589	<2	12	5	7	4	8	4	.22	.06
726664	590	<2	26	3	7	5	8	6	.17	.02
726665	593-594	<2	25	5	8	5	8	4	.26	.07
726666	595	<2	16	5	11	5	8	2	.37	.09
726667	596	<2	19	5	9	4	7	2	.33	.03
726668	599-600	<2	18	3	5	4	7	2	.24	.04
726669	596	<2	26	4	6	5	7	3	.33	.04
726670	597	<2	23	3	6	6	8	4	.29	.04
726671	573-574	<2	19	2	19	4	8	4	.26	.07
726672	575	<2	22	3	6	5	8	2	.15	.02
726673	576	<2	40	3	7	8	8	2	.18	.05
726674	579-580	<2	25	2	11	6	22	22	.26	.04
726675	581	<2	30	3	7	7	7	8	.33	.08
726676	582	<2	27	4	6	4	7	6	.13	.04
726677	583	<2	28	3	6	6	7	4	.30	.06
726678	584	<2	30	2	4	4	7	4	.17	.04
726679	585	<2	29	4	6	4	7	4	.22	.03
726680	586	<2	38	2	4	4	8	6	.18	.12
726681	587	<2	34	5	7	4	8	4	.26	.10
726682	588	<2	26	3	7	3	7	4	.20	.09
726683	591-592	<2	54	3	6	3	8	4	.20	.04
726684	593	<2	25	4	7	5	9	4	.15	.04
726685	594	<2	40	4	9	7	8	4	.19	.06
726686	595	<2	33	4	8	5	6	4	.17	.05
726687	596	<2	78	3	10	9	7	6	.18	.07
726688	597	<2	190	5	13	12	10	8	.29	.06

TRENCH 2 (PPB)

SAMPLE NO	INTERVAL	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
726689	597-598	<2	50	4	9	6	7	5	.19	.04
726690	599	<2	25	5	8	5	8	4	.24	.06
726691	600	<2	15	2	6	4	6	4	.12	.05
726692	602-603	<2	25	5	8	6	10	6	.16	.04
726693	605	<2	24	6	9	6	10	6	.14	.05
726694	606	<2	21	5	8	6	7	4	.23	.08
726695	607	<2	23	5	9	5	9	6	.18	.05
726696	608	<2	20	5	7	5	8	4	.21	.05
726697	609	<2	31	6	9	5	9	4	.23	.06
726698	610	<2	32	6	7	5	9	6	.10	.06
726699	611	<2	25	5	9	6	9	4	.19	.06
726700	612	<2	33	4	7	6	9	4	.09	.05
726701	613	<2	41	4	7	4	7	4	.08	.07
726702	614	<2	40	7	10	5	11	6	.07	.05
726703	615	<2	37	4	8	4	8	4	.10	.09
726704	616	<2	33	4	7	4	9	4	.04	.07
726705	617	<2	27	5	7	3	7	4	.03	.07
726706	618	<2	27	4	6	4	6	4	.10	.05
726707	619	<2	32	5	6	4	7	4	.09	.10
726708	620	<2	29	5	6	4	8	4	.05	.09
726709	621	<2	29	4	6	4	6	4	.02	.08
726710	622	<2	29	4	5	4	7	4	.02	.06
726711	623	<2	29	4	6	4	9	4	.03	.08
726712	624	<2	28	8	7	4	9	4	.04	.07
726713	625	<2	30	5	8	5	9	4	.21	.07
726714	626	<2	21	2	7	4	8	4	.22	.05
726715	627	<2	18	3	7	4	8	4	.23	.04
726716	628	<2	23	2	7	5	8	4	.23	.05
726717	629	<2	16	3	8	4	9	4	.20	.05
726718	630	<2	19	3	7	4	7	4	.14	.03
726719	633-634	<2	23	4	7	4	7	4	.15	.06
726720	634-635	<2	27	4	8	5	8	4	.20	.07
726721	636	<2	54	3	11	9	7	4	.24	.10
726722	637	<2	44	3	10	7	8	4	.21	.05
726723	638	<2	34	4	9	6	9	4	.21	.10
726724	639	<2	26	3	8	6	6	4	.24	.07
726725	640	<2	31	3	8	5	8	4	.23	.07
726726	641	<2	31	1	6	5	7	4	.15	.05
726727	642	<2	31	3	7	4	8	4	.12	.04
726728	643	<2	21	3	6	4	8	4	.19	.06
726729	644	<2	10	2	3	3	7	4	.09	.06
726730	645	<2	21	3	6	4	7	4	.11	.05
726731	646	<2	9	2	6	3	7	4	.09	.05
726732	647	<2	9	2	9	3	8	4	.12	.05
726733	648	<2	13	4	9	4	8	6	.14	.05
726734	649	<2	19	2	5	4	8	4	.15	.06
726735	650	<2	16	2	6	4	7	4	.14	.04
726736	651	<2	27	4	5	4	7	4	.08	.05
726737	652	<2	47	6	7	7	9	4	.08	.05
726738	653	<2	21	3	6	5	6	2	.10	.05
726739	654	<2	20	4	6	4	8	4	.10	.07
726740	655	<2	47	5	10	6	9	4	.10	.04
726741	656	<2	47	6	7	6	7	4	.11	.06
726742	657	<2	19	4	6	4	7	4	.13	.04
726743	658	<2	15	2	6	3	7	2	.24	.05
726744	659	<2	19	4	7	4	10	4	.22	.07
726745	660	<2	19	5	7	4	8	4	.21	.04
726746	661	<2	15	4	8	4	8	4	.20	.05
726747	662	<2	19	3	6	4	7	4	.22	.04
726748	663	<2	27	4	7	4	8	4	.17	.09
726749	664	<2	23	3	8	5	8	4	.22	.10
726750	665	<2	22	4	6	5	11	4	.16	.05

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TRENCH FT-2

TRENCH 2 (PPB)

SAMPLE NO	INTERVAL	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
726751	665-666	<2	18	3	6	4	7	4	.17	.04
726752	667	<2	23	5	6	4	9	4	.17	.02
726753	668	<2	18	5	6	4	7	4	.13	.03
726754	669	<2	16	3	5	4	8	4	.12	.03
726755	670-672	<2	15	4	6	4	7	4	.20	.03
726756	673	<2	22	5	6	4	9	4	.15	.06
726757	674	<2	22	3	6	4	8	4	.19	.08
726758	675	<2	25	10	7	5	10	6	.20	.04
726759	676	<2	24	5	5	4	8	4	.13	.05
726760	677	<2	19	5	8	4	8	4	.21	.03
726761	678	<2	17	5	7	4	8	4	.25	.03
726762	679	<2	18	5	8	5	7	4	.30	.06
726763	680	<2	21	9	8	6	30	4	.24	.05
726764	681	<2	22	5	8	5	8	4	.69	.07
726765	682	<2	17	5	6	4	7	4	.13	.04
726766	683	<2	18	5	7	5	8	2	.30	.06
726767	684	<2	11	5	6	3	8	4	.10	.07
726768	685	<2	11	3	5	3	7	2	.22	.04
726769	686	<2	36	4	4	4	8	4	.10	.05
726770	687	<2	46	4	5	4	7	4	.07	.06
726771	688	<2	15	5	6	4	7	3	.07	.04
726772	689	<2	15	4	6	4	9	4	.08	.04
726773	700	<2	38	6	6	5	8	4	.09	.06
726774	701	<2	19	3	6	4	7	4	.14	.02
726775	702	<2	24	4	6	5	8	4	.13	.03
726776	703	<2	19	3	6	4	6	2	.15	.03
726777	704	<2	18	6	9	4	10	6	.19	.11
726778	705	<2	18	6	8	4	8	4	.17	.05
726779	706	<2	25	3	9	5	7	4	.14	.07
726780	707	2	29	4	9	6	8	4	.17	.04
726781	708	<2	16	3	6	4	9	4	.15	.05
726782	705-709	<2	14	3	9	6	11	6	.16	.04
726783	710	<2	14	6	9	4	9	4	.19	.09
726784	711	<2	12	5	7	4	8	4	.15	.06
726785	712	<2	13	3	8	4	10	6	.17	.07
726786	713	<2	11	5	8	4	8	4	.20	.05
726787	714	<2	14	3	7	4	8	4	.18	.07
726788	715	<2	15	4	8	4	9	4	.15	.03
726789	716	<2	16	3	7	4	9	4	.15	.04
726790	717	<2	17	3	9	4	9	4	.17	.07
726791	718	<2	20	3	6	4	9	4	.20	.16
726792	719	<2	19	3	5	3	5	2	.16	.09
726793	720	<2	25	4	7	5	9	4	.29	.16
726794	721	<2	24	4	9	5	8	4	.26	.07
726795	722	<2	14	3	8	3	7	4	.21	.09
726796	723	<2	16	4	6	4	9	4	.19	.08
726797	724	<2	8	2	6	4	8	4	.14	.12
726798	725	<2	33	3	5	3	8	4	.19	.07
726799	726	<2	36	4	3	2	6	4	.28	.02
726800	729-730	<2	15	3	5	2	7	4	.12	.13
726801	731	<2	10	3	6	3	7	4	.17	.10
726802	732	<2	42	4	8	3	8	4	.18	.12
726803	733	<2	13	5	3	2	7	4	.23	.04
726804	734	<2	35	3	10	3	8	4	.19	.04
726805	735	<2	29	3	5	3	6	4	.20	.08
726806	736	<2	8	2	6	2	7	4	.21	.07
726807	737	<2	37	8	8	5	8	4	.15	.17
726808	738	<2	20	3	11	4	8	4	.18	.11
726809	739	<2	31	3	7	4	7	4	.19	.10
726810	740	<2	14	4	8	3	7	4	.17	.24
726811	741	<2	16	4	9	4	8	4	.17	.17
726812	742	<2	12	5	9	4	7	4	.17	.07

TRENCH 2 (PPB)

SAMPLE NO	INTERVAL	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
726813	743-744	<2	13	4	7	4	7	4	.14	.09
726814	745	<2	12	5	10	4	7	4	.15	.07
726815	750-751	<2	10	3	10	6	8	4	.17	.06
726816	752	<2	11	3	11	6	7	4	.21	.16
726817	753	<2	9	4	8	4	8	4	.15	.04
726818	754	<2	10	3	11	5	7	4	.20	.06
726819	755	<2	10	5	11	4	9	4	.14	.16
726820	756	<2	12	4	10	4	7	4	.08	.09
726821	757	<2	11	4	9	4	9	5	.09	.08
726822	758	<2	10	3	8	5	8	4	.06	.08
726823	759	<2	10	4	7	5	7	4	.16	.05
726824	760	<2	12	4	8	5	8	4	.07	.05
726825	761	<2	9	3	8	4	7	4	.10	.05
726826	762	<2	13	4	10	6	9	6	.11	.24
726827	763	<2	11	3	10	6	8	4	.07	.24
726828	764	<2	8	3	8	5	8	4	.10	.12
726829	765	<2	9	3	8	4	6	4	.05	.06
726830	766	<2	11	4	8	4	9	6	.16	.08
726831	767	<2	14	3	7	4	7	4	.09	.09
726832	768	<2	12	4	8	5	8	4	.14	.10
726833	769	<2	14	4	8	5	8	4	.10	.07
726834	770	<2	10	4	6	5	8	4	.14	.03
726835	771	<2	10	4	7	4	7	4	.13	.04
726836	772	<2	10	3	6	4	9	4	.10	.03
726837	773	<2	8	4	4	3	6	4	.11	.03
726838	774	<2	11	3	6	4	6	4	.13	.03

TRENCH FT-3

TRENCH 3 (PPB)

SAMPLE NO	INTERVAL	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
726968	1-10	<2	7	2	7	3	4	4	.31	.04
726969	11	<2	4	2	8	3	4	4	.26	.04
726970	12	<2	8	1	8	3	4	4	.23	.08
726971	13	<2	5	2	9	3	7	6	.30	.06
726972	14	<2	4	2	11	3	6	6	.37	.07
726973	15	-	-	-	-	-	-	-	-	-
726974	16	<2	3	2	8	3	4	4	.44	.06
726975	17	<2	4	2	9	3	5	6	.36	.09
726976	18	<2	3	4	9	3	4	6	.54	.10
726977	30-31	<2	3	5	11	3	5	4	.22	.05
726978	32	<2	2	2	9	3	4	4	.24	.04
726979	33	<2	5	5	9	3	4	4	.23	.05
726980	34	<2	3	4	10	2	4	4	.26	.04
726981	35	<2	2	4	6	3	3	4	.32	.03
726982	36	<2	2	2	5	2	3	4	.29	.03
726983	171-172	<2	14	3	5	3	2	4	.10	.06
726984	173	<2	9	5	6	4	3	4	.31	.05
726985	174	<2	15	4	5	3	1	2	.17	.03
726986	294-295	<2	6	3	8	2	3	4	.26	.03
726987	296	<2	5	3	10	2	3	4	.37	.03
726988	297	<2	6	3	10	2	4	4	.35	.02
726989	298	<2	8	4	13	3	4	4	.37	.07
726990	299	<2	8	4	16	4	5	6	.39	.06
726991	300	<2	7	4	11	3	4	4	.39	.04
726992	301	<2	9	5	14	3	4	6	.39	.04
726993	302	<2	5	4	11	3	3	4	.22	.02
726994	303	<2	6	5	10	3	5	4	.31	.03
726995	324-325	<2	5	5	12	2	3	4	.32	.04
726996	326	<2	7	2	12	3	3	4	.41	.03
726997	327	<2	5	3	12	2	4	4	.40	.02
726998	328	<2	6	3	13	2	3	4	.45	.03
726999	329-330	<2	5	5	10	3	2	4	.34	.03
727000	330	<2	7	3	11	2	3	4	.36	.03
727001	331	<2	6	3	9	3	4	4	.36	.02
727002	332	<2	5	2	10	3	4	4	.38	.03
727003	333	<2	7	4	13	3	4	4	.46	.06
727004	334	<2	5	3	10	2	4	4	.39	.03
727005	335	<2	5	3	12	3	4	4	.51	.03
727006	336	<2	8	2	10	3	4	4	.35	.03
727007	342-343	<2	6	4	9	3	4	4	.43	.02
727008	344	<2	6	2	11	3	3	4	.47	.03
727009	345	<2	5	3	9	2	3	4	.42	.03
727010	346	<2	4	2	7	2	3	4	.35	.05
727011	347	<2	5	4	9	3	5	6	.25	.03
727012	348	<2	4	2	12	2	4	4	.35	.04
727013	360-361	<2	7	3	7	3	3	4	.16	.12
727014	362	<2	10	1	6	3	3	2	.20	.15
727015	363	<2	10	2	6	4	4	4	.20	.11
727016	372-373	<2	9	2	8	4	4	4	.26	.15
727017	374	<2	9	2	8	3	4	4	.19	.09
727018	375	<2	11	3	9	4	5	4	.32	.22
727019	376	<2	14	3	11	4	6	4	.14	.23
727020	377	<2	17	2	10	4	5	5	.19	.28
727021	378	<2	10	2	9	4	4	4	.19	.16
727022	379	<2	10	3	10	4	5	4	.22	.16
727023	402-403	<2	14	3	7	4	3	4	.25	.06
727024	404	<2	13	3	6	4	3	4	.28	.05
727025	405	<2	11	2	8	3	3	4	.29	.05
727026	406	<2	15	2	5	4	3	4	.24	.05
727027	407	<2	19	4	8	4	4	4	.19	.06
727028	408	<2	19	3	8	5	4	4	.16	.34
727029	444-445	<2	20	2	5	5	3	2	.18	.04

TRENCH 3 (PPB)

SAMPLE NO	INTERVAL	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
727030	446-448	<2	29	2	7	5	2	4	.17	.16
727031	447	<2	17	4	8	4	3	2	.15	.04
727032	534-535	<2	43	2	9	7	3	4	.19	.06
727033	536	<2	29	3	8	5	4	4	.19	.06
727034	537	<2	30	2	8	5	4	4	.17	.05
727035	543-544	<2	26	4	9	5	5	4	.27	.05
727036	545	<2	17	3	7	4	4	4	.16	.03
727037	546	<2	15	2	4	3	3	2	.11	.06

726024

TRENCH FT-5

TRENCH 5 (PPB)

SAMPLE NO	INTERVAL	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
726385	57-58	<2	19	5	7	4	3	<2	.31	.05
726386	59	<2	23	4	5	3	4	<2	.26	.08
726387	60	<2	14	2	6	4	4	<2	.26	.10
726388	61	<2	14	4	4	2	3	<2	.17	.06
726389	62	<2	15	2	5	3	4	<2	.11	.06
726390	63	<2	12	3	6	3	4	<2	.13	.04
726391	64	<2	15	4	5	2	4	<2	.04	.10
726392	65	<2	26	4	5	3	4	<2	.11	.06
726393	66	<2	33	2	6	4	4	<2	.16	.04
726394	67	<2	22	3	6	3	3	<2	.12	.04
726395	68	<2	32	2	7	4	4	<2	.17	.12
726396	69	<2	45	2	10	5	4	<2	.23	.05
726397	70	<2	23	1	4	1	2	<2	.14	.19
726398	71	<2	36	3	9	5	4	2	.21	.16
726399	72	<2	24	2	8	6	4	2	.16	.09
726400	73	<2	82	5	21	11	5	4	.71	.21
726401	74	<2	68	6	20	13	5	4	.71	.29
726402	75	2	52	7	15	9	4	2	.46	.17
726403	76	<2	48	7	13	8	4	2	.60	.07
726404	77	<2	23	4	7	4	3	<2	.68	.07
726405	78	<2	21	4	7	4	3	<2	.47	.07
726406	79	<2	28	5	9	4	4	2	.60	.06
726407	80	<2	26	5	7	5	4	2	.77	.06
726408	81	<2	29	2	7	5	4	2	.56	.15
726409	82	<2	18	4	4	3	4	4	.50	.17
726410	83	<2	35	4	8	5	4	<2	.51	.06
726411	84	<2	13	3	4	2	3	<2	.23	.03
726412	85	<2	11	5	6	2	7	6	.27	.02
726413	86	<2	12	3	2	2	3	<2	.25	.02
726414	87	<2	10	3	4	2	4	2	.36	.03
726415	88	<2	10	3	6	2	4	2	.33	.02
726416	89	<2	11	2	4	2	3	<2	.39	.04
726417	90	<2	9	4	6	3	3	<2	.68	.03
726939	99 - 100	<2	58	4	6	6	5	4	.13	.08
726940	101	<2	20	3	6	4	4	4	.49	.03
726941	102	<2	23	7	8	5	9	5	.46	.04
726942	117 - 118	<2	20	3	6	5	7	4	.22	.07
726943	119	<2	24	4	10	6	8	4	.63	.10
726944	120	<2	31	2	6	5	8	4	.81	.06
726945	121	<2	27	3	5	4	8	4	.40	.04
726946	122	<2	24	2	5	5	9	4	.47	.03
726947	123	<2	21	2	8	8	11	6	.78	.04
726948	124	<2	23	2	8	5	11	4	.46	.04
726949	125	<2	10	2	5	3	6	2	.64	.03
726950	126	<2	77	2	6	6	8	4	.27	.03
726951	127	<2	20	2	5	3	5	4	.48	.02
726952	128	<2	34	2	7	5	10	4	.46	.04
726953	129	<2	39	3	10	5	9	4	.39	.08
726954	130	<2	58	2	6	5	7	4	.04	.06
726955	131	2	52	3	5	5	8	4	.05	.11
726956	132	<2	81	2	4	7	8	4	.04	.08
726957	133	<2	180	3	17	15	11	6	.64	.02
726958	134	<2	120	3	7	9	8	4	.33	.10
726959	135	<2	150	3	9	12	10	6	.63	.03
726960	136	<2	120	2	6	9	9	4	.14	.19
726961	137	<2	71	2	5	6	8	4	.08	.02
726962	138	<2	76	3	6	6	8	4	.02	.04
726963	139	<2	220	3	10	14	12	6	.04	.03
726964	140	<2	80	3	7	9	7	4	.02	.07
726965	141	<2	90	3	7	9	8	4	.05	.07
726966	142	<2	100	3	7	10	8	4	.04	.07
726967	143	<2	62	5	7	8	10	6	.04	.04
726968	144	<2	130	5	8	12	9	6	.05	.13

TRENCH 5 (PPB)

SAMPLE NO	INTERVAL	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
726869	194 - 195	<2	49	4	7	6	9	4	.09	.10
726870	196	<2	80	3	5	8	8	4	.09	.09
726871	197	<2	65	3	8	9	8	4	.08	.08
726872	198	<2	190	6	12	17	13	8	.13	.23
726873	199	<2	100	4	11	10	9	4	.16	.16
726874	156	<2	100	4	7	9	8	4	.18	.19
726875	154	<2	20	4	6	4	10	4	.25	.05
726876	153	<2	19	5	6	4	9	4	.37	.05
726877	153	<2	17	6	8	5	10	4	.25	.04
726878	151	<2	15	5	7	4	9	4	.29	.06
726879	153	<2	100	6	9	10	12	6	.90	.03
726880	146	<2	32	6	7	6	8	4	.51	.03
726881	145 - 146	<2	47	5	5	6	8	4	.11	.09
726882	147	<2	29	4	5	5	9	4	.10	.12
726883	148	<2	41	4	6	5	8	6	.11	.11
726884	149	<2	32	5	6	5	9	6	.16	.14
726885	150	<2	75	6	7	9	8	6	.20	.12
726886	151	<2	58	5	5	7	9	4	.13	.15
726887	152	<2	19	5	9	4	11	6	.18	.07
726888	153	<2	21	3	6	4	9	4	.17	.10
726889	154	<2	15	5	6	4	8	4	.19	.07
726890	210 - 211	4	15	3	9	4	4	4	.15	.04
726891	212	<2	14	3	7	4	3	4	.16	.03
726892	213	<2	12	3	10	4	4	4	.16	.06
726893	214	<2	15	3	8	4	5	4	.19	.04
726894	215	<2	15	3	9	4	4	4	.15	.04
726895	216	<2	16	4	5	4	3	4	.12	.08
726896	217	<2	24	3	7	4	3	2	.07	.14
726897	218	<2	17	3	4	4	3	4	.09	.09
726898	219	<2	18	2	7	4	4	4	.09	.09
726899	255 - 256	<2	12	4	10	4	5	4	.21	.05
726900	256 - 257	<2	6	4	8	3	4	2	.24	.07
726901	258	<2	11	5	11	4	5	4	.20	.09
726902	285 - 286	<2	19	3	7	4	4	4	.25	.05
726903	287	<2	16	3	9	4	4	4	.23	.04
726904	289	<2	46	5	7	6	4	4	.17	.05
726905	289	<2	31	3	9	5	4	4	.15	.05
726906	290	<2	21	3	9	5	4	4	.32	.05
726907	291	<2	40	3	8	6	4	4	.32	.01
726908	292	<2	80	5	9	7	5	4	.22	.14
726909	293	<2	48	3	8	6	5	3	.21	.10
726910	294	<2	120	4	9	11	4	4	.15	.15
726911	295	<2	81	5	6	9	4	4	.12	.13
726912	296	<2	77	3	8	8	5	6	.12	.14
726913	297	<2	100	5	8	11	6	4	.13	.12
726914	298	<2	200	7	13	19	6	4	.12	.15
726915	299	<2	89	3	8	10	5	2	.13	.08
726916	300	<2	94	5	9	11	5	2	.06	.03

TRENCH FT-6

TRENCH 6 (PPB)

SAMPLE NO	INTERVAL	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
726917	42 - 43	<2	14	4	8	5	4	2	.12	.01
726918	44	<2	35	4	8	5	4	2	.14	.02
726919	45	<2	40	4	6	6	4	3	.14	.03
726920	91 - 92	<2	35	5	9	7	4	4	.18	.02
726921	93	<2	45	6	10	8	5	6	.15	.01
726922	94	<2	39	4	8	7	4	2	.14	.03
726923	108 - 109	<2	140	5	14	19	6	4	.15	.04
726924	110	<2	110	2	13	16	5	4	.18	.03
726925	111	<2	37	4	8	6	3	2	.17	.03
726926	123 - 124	<2	100	6	9	11	4	2	.17	.02
726927	125	<2	65	3	9	7	7	6	.16	.07
726928	126	<2	32	3	7	4	6	4	.16	.02
726929	132 - 133	<2	62	10	7	5	5	4	.10	.02
726930	134	<2	74	9	9	9	7	4	.14	.01
726931	135	<2	68	5	12	9	5	4	.15	.01
726932	136	<2	53	5	9	7	5	4	.11	.03
726933	137	<2	74	4	9	9	5	4	.11	.05
726934	138	<2	35	4	10	8	5	4	.10	.05
726935	240 - 241	<2	24	4	6	6	4	4	.29	.03
726936	327 - 328	<2	120	4	11	11	5	4	.06	.04
726937	329	<2	76	2	6	7	4	4	.05	.05
726938	330	<2	47	3	7	5	4	4	.09	.03
726939	331	<2	54	4	6	6	3	4	.07	.05
726940	332	<2	71	3	5	8	4	4	.03	.07
726941	333	<2	76	5	11	9	7	6	.03	.04
726942	339 - 340	<2	75	2	5	7	3	4	.02	.03
726943	341	<2	53	3	7	6	3	3	.04	.04
726944	342	<2	49	3	6	6	4	4	.03	.03
726945	343	<2	55	5	7	6	4	4	.05	.03
726946	344	<2	70	3	6	8	4	4	.05	.05
726947	345	<2	61	3	5	6	4	4	.05	.05

TRENCH FT-8

TRENCH 8 (PPB)

SAMPLE NO	INTERVAL	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
726009	0 - 1	<2	185	6	16	16	3	4	.40	.04
726010	2	<2	110	6	7	8	2	<2	.22	.03
726011	3	<2	150	3	6	15	3	4	.22	.04
726012	4	<2	290	5	13	25	4	4	.25	.20
726013	5	<2	510	10	22	41	6	6	.19	.11
726014	6	2	920	14	37	73	11	8	.35	.14
726015	7	<2	170	4	15	16	2	2	.25	.02
726016	8	<2	210	9	9	20	3	2	.21	.03
726017	9	<2	98	6	4	7	2	<2	.22	.05
726018	10	<2	110	7	4	7	1	<2	.04	.03
726019	11	<2	87	5	4	9	0	<2	.10	.03
726020	12	<2	130	9	4	11	1	<2	.17	.04
726021	13	<2	270	4	11	22	36	38	.33	.01
726022	14	4	240	11	14	24	11	12	.19	.01
726023	15	<2	270	8	9	25	4	2	.23	.01
726024	16	<2	180	8	12	15	3	4	.27	.03
726025	17	4	83	4	3	7	2	2	.15	.01
726026	18	4	240	7	15	9	4	4	.21	.02
726027	19	19	185	7	15	15	6	6	.21	.01
726028	20	<2	110	7	17	11	1	2	.32	.02
726029	21	<2	170	8	12	11	2	4	.19	.02
726030	22	4	55	9	9	8	2	<2	.17	.08
726031	23	4	96	5	17	16	3	<2	.37	.26
726032	24	2	19	8	8	5	1	<2	.14	.05
726033	25	6	23	10	16	6	2	4	.24	.07
726034	26	<2	19	15	9	5	2	<2	.16	.04
726035	27	<2	24	11	7	6	1	<2	.16	.04
726036	28	2	27	12	15	8	2	<2	.16	.06
726037	29	3	20	5	7	5	2	<2	.16	.10
726038	30	<2	23	7	11	5	2	<2	.10	.14
726039	31	4	20	3	8	7	2	4	.16	.15
726040	31 - 32	2	18	7	9	4	2	<2	.30	.07
726041	33	<2	17	7	11	5	2	<2	.31	.09
726042	34	<2	31	11	10	4	2	<2	.30	.09
726043	35	<2	15	8	10	4	2	<2	.28	.05
726044	36	<2	31	6	20	5	2	2	.32	.05
726045	37	4	21	5	14	7	3	4	.29	.04
726046	38	<2	13	3	13	7	2	2	.36	.09
726047	39	2	14	4	8	5	2	3	.27	.05
726048	40	<2	15	7	10	9	2	4	.17	.03
726049	41	<2	23	6	14	9	3	2	.32	.13
726050	42	<2	8	8	4	4	2	<2	.20	.13
726051	43	<2	8	6	9	5	2	2	.18	.07
726052	44	<2	6	7	4	7	1	<2	.19	.06
726053	45	<2	12	19	8	5	3	<2	.18	.01
726054	46	<2	17	7	10	7	2	2	.25	.02
726055	47	<2	11	9	10	8	2	2	.21	.04
726056	48	2	9	6	7	3	4	2	.17	.06
726057	49	<2	5	5	7	7	1	2	.29	.04
726058	50	<2	9	3	11	5	3	<2	.24	.04
726059	51	<2	7	4	4	7	3	6	.26	.02
726060	52	<2	4	8	11	4	2	<2	.23	.04
726061	53	2	7	7	6	5	2	2	.18	.05
726062	54	<2	5	5	6	6	2	2	.31	.06
726063	55	<2	8	10	11	6	1	<2	.25	.03
726064	56	<2	5	7	4	5	2	6	.22	.02
726065	57	2	9	5	13	7	2	2	.24	.05
726066	58	4	4	3	9	6	2	<2	.26	.04
726067	59	<2	7	4	7	5	2	2	.29	.04
726068	60	<2	7	8	9	4	3	<2	.33	.04

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TRENCH FT-8

Trench 8 (ppm)

SAMPLE NO	INTERVAL	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
726069	75-76	<2	7	7	11	4	2	4	.47	.18
726070	77	<2	3	1	3	2	2	<2	.25	.23
726071	78	2	7	10	5	4	4	<2	.22	.09
726072	79	<2	12	5	5	4	1	<2	.22	.09
726073	80	<2	19	11	5	3	1	4	.24	.04
726074	81	<2	15	6	3	4	2	<2	.14	.03
726075	82	<2	29	6	6	5	2	4	.19	.07
726076	83	<2	11	8	5	4	1	<2	.21	.05
726077	84	2	33	2	6	3	1	<2	.24	.02
726078	85	<2	9	5	6	3	0	2	.16	.02
726079	86	<2	11	12	6	4	1	<2	.32	.04
726080	87	2	15	8	3	3	1	<2	.24	.03
726081	88	<2	13	16	5	4	0	<2	.29	.02
726082	89	<2	13	5	4	3	1	4	.18	.02
726083	90	<2	80	4	11	6	3	4	.20	.03
726084	91	2	21	6	7	6	2	<2	.21	.20
726085	92	<2	20	5	4	5	1	<2	.19	.05
726086	93	<2	115	7	5	6	2	2	.25	.07
726087	94	2	99	11	4	6	2	<2	.25	.06
726088	95	<2	87	8	6	6	1	<2	.24	.05
726089	96	<2	67	11	4	5	1	<2	.15	.01
726090	97	<2	69	6	7	8	1	2	.17	.03
726091	98	4	44	3	3	5	1	<2	.15	.03
726092	99	4	24	4	4	4	1	4	.17	.04
726093	100	4	68	10	10	5	1	<2	.18	.01
726094	101	<2	43	4	4	6	2	2	.30	.03
726095	102	<2	57	6	4	4	1	<2	.21	.03
726096	103	<2	52	3	5	5	1	<2	.19	.03
726097	104	<2	38	7	4	4	1	<2	.21	.04
726098	105	2	23	3	3	2	1	2	.12	.02
726099	106	<2	16	4	4	4	1	<2	.16	.03
726100	106-107	<2	79	4	5	6	1	<2	.16	.04
726101	108	<2	36	7	6	6	1	<2	.15	.02
726102	109	4	47	4	3	7	1	<2	.10	.04
726103	110	4	90	5	0	5	0	<2	.09	.09
726104	111	<2	78	10	3	5	2	<2	.09	.03
726105	112	<2	70	6	4	6	1	2	.12	.03
726106	113	<2	90	4	7	5	1	<2	.18	.04
726107	114	<2	52	2	7	5	1	4	.14	.04
726108	115	5	37	4	2	5	1	<2	.16	.07
726109	116	<2	70	3	3	4	1	<2	.21	.07
726110	117	<2	225	5	9	18	3	3	.21	.01
726111	118	3	47	3	3	13	3	2	.14	.03
726112	119	<2	47	3	1	5	1	<2	.12	.02
726113	120	<2	30	11	5	4	0	2	.12	.04
726114	121	<2	89	2	2	7	1	2	.15	.04
726115	122	6	79	4	4	6	2	6	.21	.06
726116	123	<2	28	5	4	4	3	2	.23	.03
726117	124	<2	14	5	3	4	1	<2	.24	.03
726118	125	2	18	4	7	4	1	4	.23	.04
726119	126	<2	22	4	13	3	1	<2	.22	.04
726120	127	<2	11	4	2	5	2	<2	.18	.04
726121	128	<2	25	2	3	5	1	<2	.21	.04
726122	129	<2	14	5	5	5	1	4	.21	.06
726123	130	<2	39	8	6	5	2	2	.23	.03
726124	131	<2	17	3	4	5	1	2	.21	.03
726125	207-208	<2	0	4	8	3	0	<2	.19	.04
726126	209	<2	4	4	6	1	3	2	.21	.02
726127	210	4	7	2	5	2	2	2	.21	.02
726128	211	3	2	3	3	2	3	5	.12	.03
726129	212	<2	4	3	3	3	1	2	.25	.02
726130	213	<2	2	2	4	1	2	<2	.26	.01

Trench 8 (ppm)

SAMPLE NO	INTERVAL	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
726131	228-229	<2	2	9	8	2	3	2	.34	.02
726132	230	<2	1	3	5	1	3	6	.29	.01
726133	231	<2	1	2	6	2	3	4	.25	.01
726134	243-244	<2	1	3	5	1	5	4	.25	.01
726135	245	8	3	4	7	2	2	4	.24	.01
726136	411-412	4	2	6	11	1	4	6	.33	.01
726137	413	4	1	9	7	2	3	4	.32	.01
726138	414	4	2	7	10	2	3	4	.38	.01
726139	420-421	<2	0	4	9	1	3	<2	.37	.01
726140	422	2	0	4	6	1	3	2	.34	.01
726141	423	2	1	9	10	1	3	<2	.40	.01
726142	424	2	1	8	7	1	3	<2	.39	.01
726143	425	<2	1	4	10	1	3	<2	.27	.00
726144	426	<2	2	5	19	4	8	2	.26	.01
726145	425-429	<2	4	5	10	1	3	<2	.31	.01
726146	430	<2	4	6	11	2	5	2	.24	.01
726147	431	<2	2	5	10	2	3	<2	.32	.01
726148	432	2	1	4	8	1	3	<2	.40	.01
726149	433	<2	1	5	7	2	2	<2	.37	.01
726150	434	<2	1	5	8	1	3	<2	.42	.00
726151	435	<2	1	5	8	2	2	<2	.41	.01
726152	438-439	<2	1	3	10	2	5	<2	.33	.02
726153	440	<2	2	3	11	2	7	4	.36	.02
726154	441	<2	2	11	9	2	4	<2	.53	.03
726155	442	<2	1	5	7	1	3	<2	.30	.02
726156	443	<2	2	4	8	2	3	<2	.31	.03
726157	444	<2	1	4	11	2	4	2	.40	.03
726158	445	<2	2	5	18	3	6	4	.34	.06
726159	446	<2	2	4	10	2	5	2	.35	.03
726160	447	<2	1	8	10	2	3	<2	.01	.03
726161	448	<2	2	5	10	2	7	6	.42	.04
726162	448-449	<2	3	4	10	3	9	6	.44	.09
726163	450	2	3	4	13	2	34	44	.39	.02
726164	451	<2	5	3	18	3	44	56	.38	.02
726165	452	4	4	4	20	2	47	58	.44	.02
726166	453	<2	2	5	10	2	22	26	.32	.01
726167	454	<2	2	12	13	2	29	36	.27	.01
726168	455	<2	2	4	11	2	20	24	.36	01
726169	456	<2	2	5	14	3	12	12	.40	.01
726170	457	<2	2	6	8	2	8	6	.38	.01
726171	458	<2	1	5	8	2	3	<2	.42	.02
726172	459	<2	0	5	9	2	5	<2	.43	.02
726173	460	<2	0	4	9	2	4	<2	.45	.02
726174	461	<2	2	4	9	2	3	<2	.40	.03
726175	462	<2	2	4	8	2	4	<2	.48	.02
726176	463	<2	1	8	11	2	5	2	.60	.03
726177	464	<2	1	4	9	2	3	<2	.32	.01
726178	465	<2	2	4	8	1	3	3	.38	.02
726179	466	<2	1	8	8	1	4	4	.34	.02
726180	467	<2	1	6	7	1	3	2	.39	.02
726181	468	<2	2	8	8	2	3	<2	.30	.02
726182	469	<2	1	8	7	2	4	2	.33	.04
726183	483-484	<2	1	10	6	2	3	2	.22	.01
726184	485	<2	2	6	9	1	4	3	.44	.02
726185	486	<2	1	4	6	1	2	<2	.36	.02
726186	487	<2	1	5	6	1	2	<2	.23	.02
726187	488	<2	1	4	7	2	3	<2	.44	.02
726188	4	2	1	6	9	1	3	2	.27	.05
726189	490	<2	0	6	6	8	2	<2	.37	.01
726190	491	<2	2	2	9	2	5	4	.39	.03
726191	492	<2	2	3	11	2	3	<2	.38	.04
726192	493	<2	2	5	9	2	4	2	.35	.03

720095

TRENCH FT-9

TRENCH 9 (PPB)

SAMPLE NO	INTERVAL	Au	Pt	Pd	Zn	Rh	Ir	Os	Ni %	Cr %
300308	6-7	<2	12	7	7	4	1	<2	.18	.03
300309	8	<2	10	8	8	3	2	<2	.19	.03
300310	9	<2	8	13	5	3	1	<2	.21	.03
725798	10	<2	18	5	6	4	1	<2	.19	.05
725795	11	<2	19	4	4	4	1	<2	.13	.04
725796	12	<2	16	5	2	3	1	<2	.11	.03
725797	13	4	12	5	4	3	0	<2	.12	.03
725798	14	2	8	4	4	2	0	<2	.11	.01
725799	15	<2	10	9	3	2	0	<2	.16	.04
725800	16 - 17	<2	6	4	5	2	0	<2	.17	.04
725801	20	<2	50	5	5	4	1	<2	.05	.03
725802	21	<2	12	5	5	3	0	<2	.16	.03
725803	22	<2	33	4	4	3	0	<2	.10	.03
725804	23	<2	15	4	5	3	0	<2	.12	.02
725805	24	<2	19	4	4	3	0	<2	.15	.03
725806	25	<2	12	3	6	3	1	<2	.19	.06
725807	26	<2	21	8	5	4	0	<2	.13	.09
725808	27	<2	11	5	5	3	0	<2	.13	.03
725809	28	<2	10	5	3	2	0	<2	.13	.01
725810	29	4	19	3	5	3	0	<2	.11	.02
725811	30	<2	24	6	5	4	1	<2	.13	.02
725812	31	<2	21	9	6	4	0	<2	.15	.02
725813	32	<2	16	5	6	4	1	<2	.16	.03
725814	33	<2	16	4	6	3	0	<2	.13	.02
725815	34	4	15	6	5	4	1	<2	.17	.05
725816	35	<2	44	6	6	4	0	<2	.19	.05
725817	36	<2	25	7	4	4	0	<2	.17	.03
725818	37	<2	35	5	5	3	0	<2	.11	.02
725819	38	<2	24	5	3	4	1	<2	.09	.03
725820	39	<2	85	6	5	7	1	<2	.07	.03
725821	40	<2	68	5	3	6	1	<2	.04	.04
725822	41	<2	58	6	4	6	1	<2	.16	.04
725823	41-42	<2	99	8	4	5	1	<2	.13	.04
725824	43	<2	120	5	6	8	1	<2	.11	.03
725825	44	<2	39	5	6	5	1	<2	.16	.04
725919	48-49	<2	5	13	6	2	0	<2	.15	.04
725920	50	2	4	6	7	2	0	4	.15	.03
725921	51	<2	9	5	7	3	0	<2	.19	.07
725922	52	<2	17	2	2	4	1	<2	.18	.10
725923	53	<2	23	10	3	6	1	<2	.24	.13
725924	54	4	13	6	9	3	1	<2	.17	.10
725925	55	<2	11	8	9	4	1	<2	.14	.12
725926	56	6	15	6	3	5	0	<2	.17	.53
725927	57	<2	13	7	3	2	0	<2	.17	.53
725928	58	<2	10	8	8	4	1	<2	.16	.05
725929	59	2	6	28	12	6	1	<2	.16	.09
725930	60	<2	11	5	9	4	1	<2	.18	.05
725931	61	<2	20	17	17	6	2	<2	.20	.07
725932	62	<2	24	5	19	4	1	2	.18	.07
725933	63	<2	3	2	15	4	2	<2	.15	.04
5826	64	<2	6	6	8	4	1	<2	.23	.06
25827	65	<2	6	7	5	3	1	<2	.25	.05
25828	66	<2	7	9	5	3	1	<2	.29	.09
126934	93-94	<2	30	12	8	6	2	<2	.18	.02
35935	95	<2	10	24	12	6	2	<2	.20	.01
725936	96	12	3	25	18	6	2	2	.21	.01
725935	97	10	13	4	7	4	1	<2	.19	.02
725954	98	<2	3	5	9	2	2	<2	.24	.06
725957	99	<2	9	8	4	2	1	<2	.22	.05
725941	120 - 121	4	5	8	12	1	2	4	.31	.07
725942	122	<2	5	8	9	2	4	4	.43	.08
725943	123	2	7	4	11	3	3	6	.37	.03
725937	124	<2	15	9	22	3	5	2	.37	.08
725938	125	<2	8	12	4	2	3	<2	.14	.02

TRENCH 9 (PPB)

SAMPLE NO	INTERVAL	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
725939	125-126	<2	11	21	11	3	3	4	.27	.05
725929	127	<2	14	8	5	2	1	<2	.25	.18
725930	128	<2	9	7	5	3	3	2	.28	.05
725931	129	<2	12	5	5	2	2	4	.41	.06
725932	130	<2	7	7	6	2	3	2	.36	.07
725933	131	<2	6	9	6	2	2	<2	.37	.12
725834	132	<2	7	4	6	2	2	<2	.32	.12
725940	133	<2	4	13	12	3	3	6	.28	.07
725941	134	<2	8	5	15	5	4	4	.33	.06
725942	135	2	8	13	4	3	3	2	.30	05
725943	136	<2	7	4	7	6	3	2	.40	.07
725944	137	8	13	4	6	4	3	2	.22	.03
725945	138	<2	9	7	7	2	3	4	.22	.02
725946	153-154	6	7	6	6	1	2	2	.32	.07
725947	155	<2	10	8	5	2	2	<2	.32	.09
725948	156	2	7	8	12	2	1	12	.28	.05
725949	157	<2	3	7	3	2	0	2	.25	.02
725950	158	12	8	14	6	2	1	4	.22	.01
725951	159	<2	6	3	10	3	1	<2	.32	.03
725835	160	<2	0	6	0	0	0	<2	—	—
725836	161	<2	7	5	5	2	1	<2	.28	.05
725837	162	<2	8	6	9	3	1	<2	.39	.05
725952	163	3	7	6	10	3	2	2	.62	.12
725853	164	6	10	5	8	4	1	<2	.34	.05
725954	165	<2	9	9	5	3	2	2	.51	.05
725958	174-175	2	5	11	16	3	5	4	.17	.03
725959	176	6	4	7	15	5	2	10	.17	.03
725960	177	4	14	8	9	6	1	4	.17	.03
725961	178	<2	7	14	9	2	1	4	.17	.02
725962	179	<2	5	9	4	2	2	4	.16	.04
725963	180	4	5	12	7	4	2	6	.17	.02
725964	180-181	<2	2	16	5	2	3	4	.18	.03
725965	182	2	2	12	3	3	2	2	.20	.03
725966	183	<2	1	7	2	1	0	<2	.21	.02
725967	184	3	5	5	1	2	0	3	.19	.01
725968	185	4	3	17	5	2	1	<2	.21	.02
725969	186	<2	6	10	6	2	1	4	.21	.02
725970	187	<2	4	12	13	1	1	<2	.23	.02
725971	188	<2	6	7	4	1	0	<2	.20	.02
725972	189	32	1	4	4	1	0	<2	.20	.03
725973	190	20	1	10	2	1	0	<2	.21	.01
725974	191	<2	5	5	15	2	0	<2	.23	.03
725975	192	<2	1	4	4	2	1	<2	.31	.04
725976	261-262	<2	10	5	10	1	1	2	.22	.05
725977	263	<2	12	3	7	3	1	<2	.20	.03
725978	264	<2	16	9	11	1	1	2	.25	.01
725979	276-277	<2	4	9	10	2	2	<2	.24	.03
725980	278	2	3	6	8	5	2	2	.20	.05
725981	279	<2	15	2	4	3	1	4	.24	.02
725982	231-232	2	41	3	5	6	1	4	.29	.05
725983	233	<2	9	8	3	4	2	<2	.31	.04
725984	234	<2	20	11	6	2	2	<2	.22	.05
725985	235	2	7	4	10	2	1	2	.23	.09
725986	236	10	3	4	6	2	2	2	.22	.05
725987	237	2	5	1	9	2	2	2	.21	.06
725988	285-287	<2	3	4	13	2	3	4	.30	.09
725989	245	2	1	3	8	2	3	2	.23	.03
725990	244	<2	6	4	8	2	3	2	.22	.03
725991	247	<2	1	0	6	3	1	4	.23	.03
725992	248	<2	13	4	11	4	2	2	.43	.06
725993	249	<2	4	1	7	1	2	2	.26	.03

TRENCH 9 (PPB)

SAMPLE NO	INTERVAL	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
725944	247-250	<2	2	17	10	3	3	4	.20	.02
725945	251	4	3	14	10	1	1	<2	.30	.02
725846	252	<2	3	8	10	1	0	<2	.30	.02
725847	285-286	<2	5	14	2	2	1	4	.26	.01
725849	287	<2	3	5	13	1	1	2	.29	.02
725848	288	2	2	8	13	1	3	6	.31	.01
300209	294-295	<2	26	6	11	4	3	4	.27	.18
300210	296	<2	9	8	11	3	3	4	.31	.22
300211	297	<2	11	7	9	3	3	2	.23	.22
725850	298	4	18	7	27	5	4	1	.24	.11
725851	299	<2	15	10	13	4	2	<2	.23	.08
725852	300	4	15	7	10	5	5	8	.29	.08
300232	312 - 313	<2	12	6	7	2	2	2	.22	.11
300234	314	<2	6	6	10	3	2	2	.26	.18
300235	315	<2	4	9	7	2	1	<2	.18	.07
300237	316	<2	3	8	7	2	1	<2	.28	.17
300238	317	<2	12	6	8	3	2	<2	.30	.54
300239	318	<2	29	4	7	4	5	5	.39	.52
300240	319	<2	8	4	7	3	9	3	.37	.29
300242	320	<2	4	6	6	2	1	<2	.16	.10
300243	321	<2	1	6	4	1	1	<2	.24	.02
300253	327-328	<2	6	4	7	2	1	<2	.22	.11
300254	329	<2	8	17	6	2	2	2	.24	.07
300255	330	2	3	7	7	2	4	4	.32	.11
725853	336-337	<2	19	13	14	3	3	2	.34	.04
725854	338	<2	5	8	6	3	3	2	.45	.10
725855	339	<2	7	12	16	4	2	<2	.26	.05
725856	341-343	<2	10	7	13	3	3	6	.38	.20
725857	344	2	26	8	27	7	14	<2	.42	.07
725858	345	4	4	14	11	4	6	6	.36	.08
725859	348-349	4	13	8	4	2	12	10	.31	.01
725860	350	<2	0	9	13	1	2	<2	.33	.01
725861	351	<2	0	8	5	1	1	<2	.30	.01
725862	366-367	2	2	9	6	0	2	<2	.40	.01
726863	368	<2	2	10	4	0	2	2	.38	.01
725864	369	<2	3	12	8	2	5	4	.52	.01
725865	370	<2	5	9	7	2	2	<2	.40	.05
726866	371	<2	9	11	6	1	2	<2	.37	.10
725867	372	2	12	6	5	3	3	2	.43	.07
725868	373	<2	2	5	10	2	6	<2	.63	.10
725869	374	4	4	8	2	1	3	<2	.63	.09
726870	375	<2	3	3	13	3	6	4	.60	.07
725871	376	<2	4	8	0	0	2	<2	.34	.02
725872	377	2	5	16	14	4	7	5	.46	.02
725873	378	<2	5	11	10	1	5	<2	.40	.02
725874	379	2	3	9	7	1	5	2	.51	.03
725875	380	<2	4	3	6	2	4	4	.45	.04
725876	381	<2	1	12	10	4	6	4	.29	.02
725877	382	<2	2	8	11	2	6	4	.39	.02
725878	383	<2	2	6	9	2	5	4	.53	.05
725879	384	<2	2	7	16	2	7	8	—	—
726880	385	<2	2	9	11	6	5	4	.52	.10
725881	386	<2	1	2	1	1	7	4	.56	.08
725882	387	<2	13	3	12	8	20	13	.51	.34
725883	388	<2	4	6	9	2	6	6	.46	.18
725884	389	<2	3	3	22	3	10	12	.58	.32
725885	390	4	1	1	10	2	13	12	.49	.19
725886	391	2	4	5	15	1	9	10	.50	.11
725887	392	<2	7	5	10	3	10	12	.53	.24
725888	393	2	5	13	3	2	11	10	.50	.08
725889	394	<2	5	1	12	3	18	16	.41	.10

TRENCH 9 (PPB)

SAMPLE NO	INTERVAL	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
725840	394-395	<2	6	4	18	3	10	10	.63	.07
725841	396	<2	6	5	16	3	9	8	.45	.06
725842	397	<2	5	4	10	2	7	6	.47	.05
725843	398	2	4	7	0	2	7	8	.45	.04
725844	399	<2	4	8	12	3	7	8	.47	.03
725845	400	<2	6	5	15	1	9	6	.57	.06
725846	401	<2	6	11	6	2	10	6	.56	.05
725847	402	<2	1	4	8	2	6	8	.61	.07
725848	403	2	6	7	22	1	12	8	.65	.06
725849	404	<2	7	2	0	2	4	6	.55	.04
725900	405	<2	4	6	16	3	10	12	.59	.05
725901	406	4	3	5	17	2	7	8	.50	.05
725902	407	<2	5	3	8	4	9	7	.57	.06
725903	408	<2	5	6	11	6	9	12	.56	.10
725904	409	<2	5	8	11	4	10	6	.57	.11
725905	410	<2	10	9	14	4	8	10	.60	.10
725906	411	<2	41	8	19	3	16	10	.63	.15
725907	412	4	6	10	14	3	9	8	.57	.13
725908	413	<2	6	3	15	4	9	10	.51	.13
725909	414	<2	5	7	11	4	8	8	.46	.11
725910	415	<2	3	7	22	3	16	14	.55	.18
725911	416	2	2	8	35	6	10	6	.69	.17
725912	417	<2	4	5	21	3	13	10	—	—
725913	418	<2	4	3	29	5	9	10	.67	.11
725914	419	<2	3	15	28	3	8	8	.56	.16
725915	420	<2	0	24	19	3	6	4	.55	.16
725916	421	4	0	11	23	6	12	10	.52	.25
725917	422	<2	4	7	15	5	12	10	.61	.23
725918	423	2	5	2	28	5	10	8	.53	.15

GSC 126096

APPENDIX 1G

CUMULATIVE FREQUENCY PLOTS

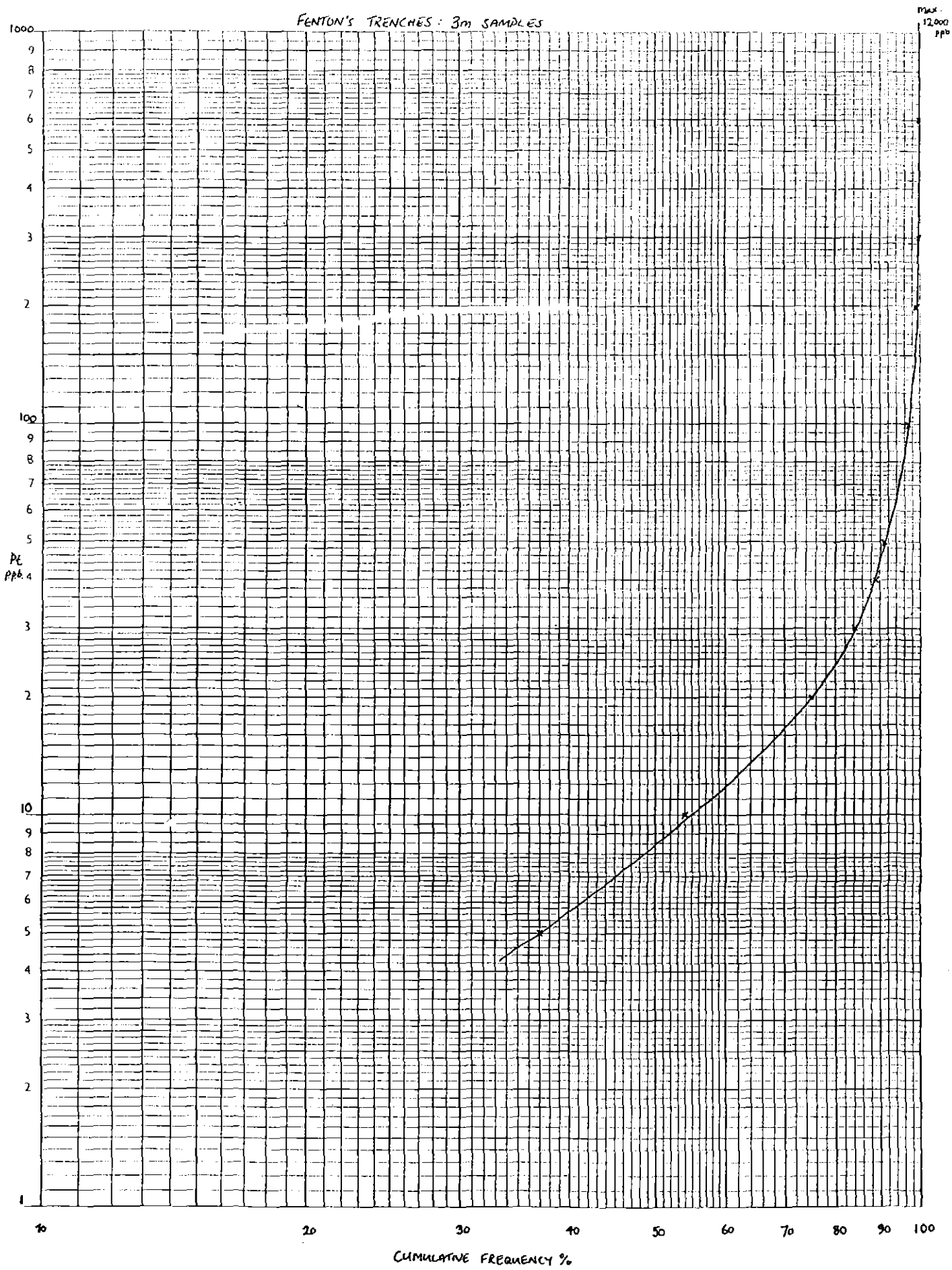
693

720098

GORMACK GRAPH PAPERS : CHRISTCHURCH N.Z. E131Y Log-log 1 cycle x 3 cycles

Pt

FENTON'S TRENCHES : 3m SAMPLES



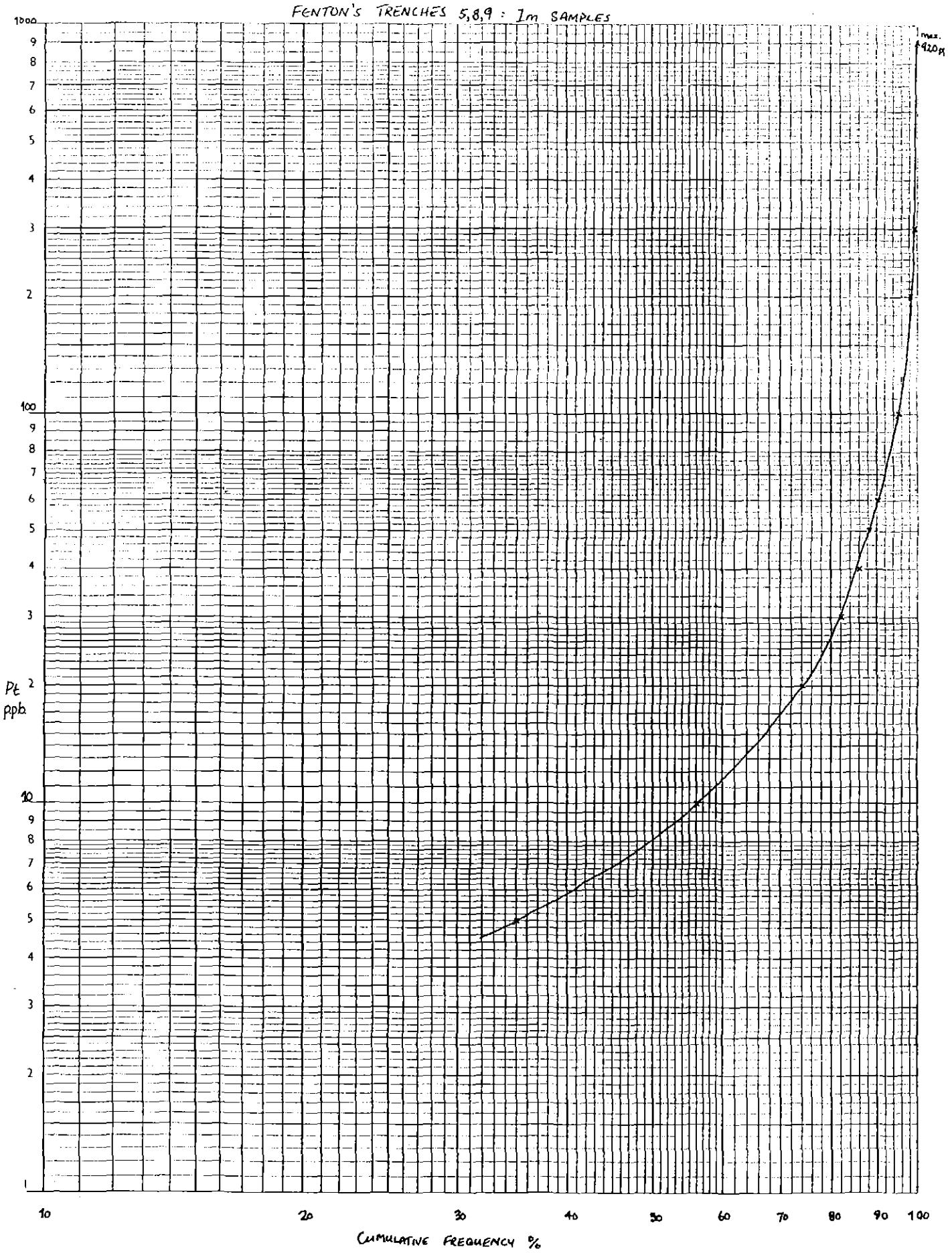
034

720099

GORMACK GRAPH PAPERS : CHRISTCHURCH N.Z. E131Y Log-log 1 cycle x 3 cycles

Pt

FENTON'S TRENCHES 5,8,9 : 1m SAMPLES



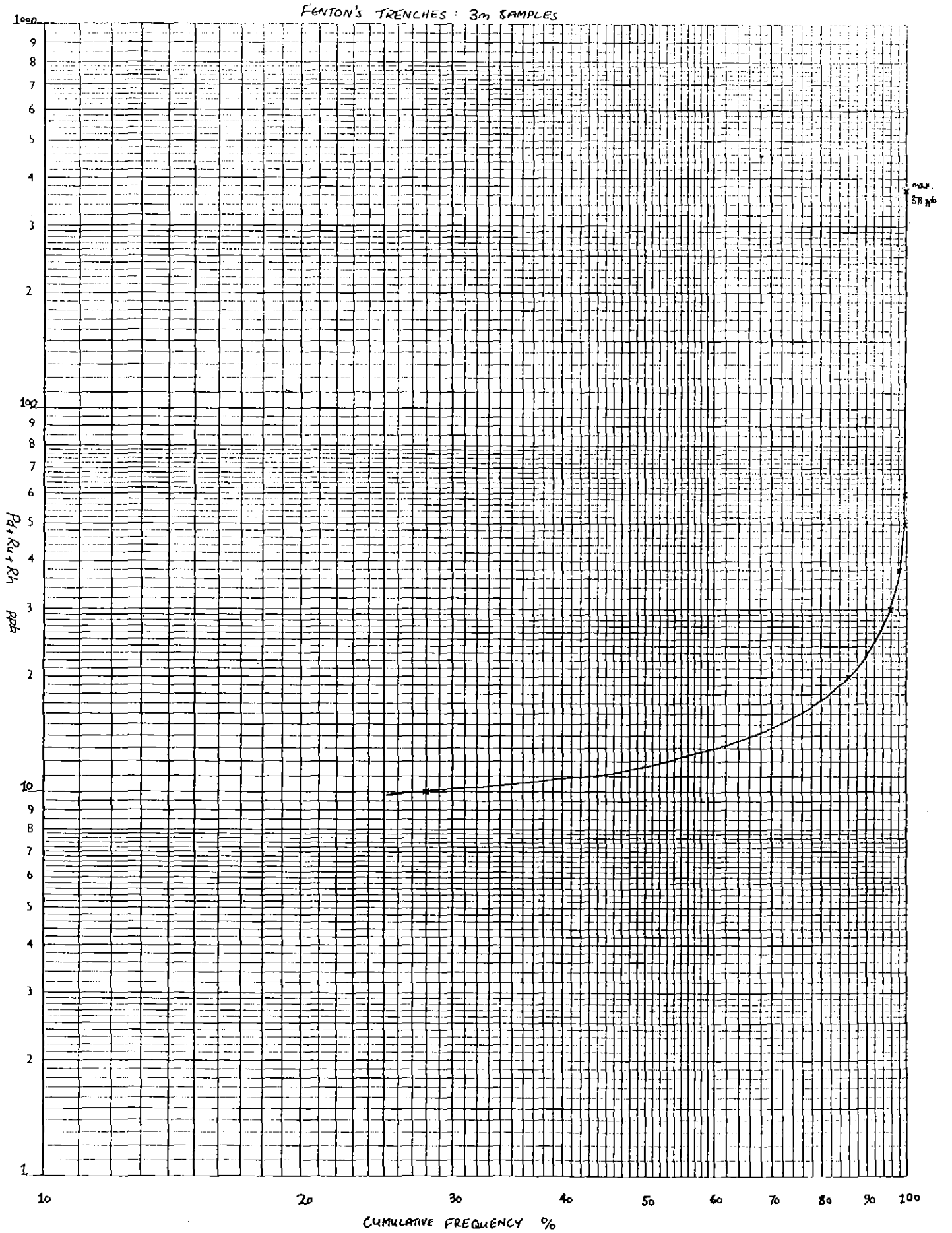
095

720100

GORMACK GRAPH PAPERS : CHRISTCHURCH N.Z. E131Y Log-log 1 cycle x 3 cycles

Pd + Ru + Rh

FENTON'S TRENCHES : 3m SAMPLES

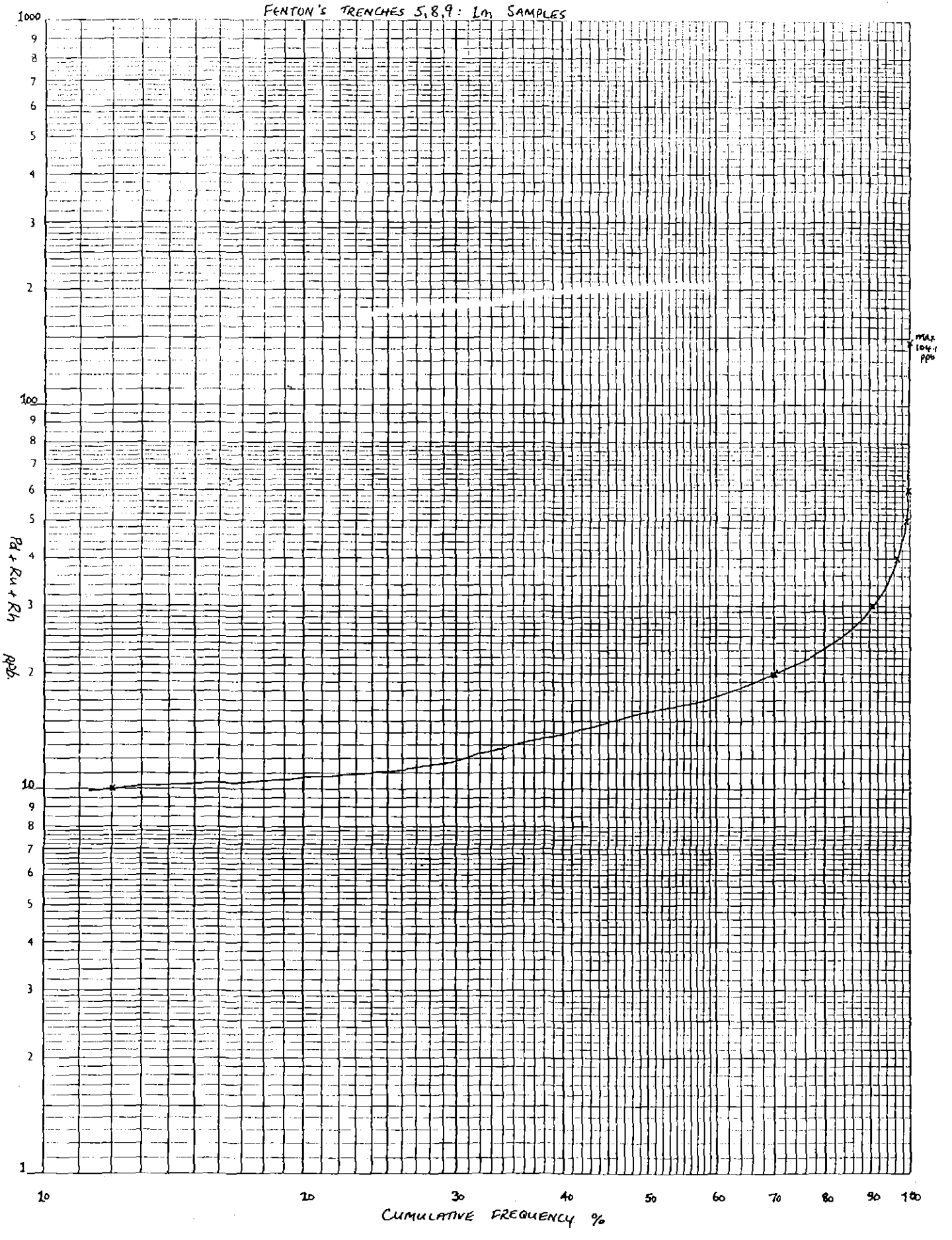


720101

GORMACK GRAPH PAPERS : CHRISTCHURCH N.Z. E131Y Log-log 1 cycle x 3 cycles

Pd + Ru + Rh

FENTON'S TRENCHES 5,8,9 : 1m SAMPLES



GORMACK GRAPH PAPERS : CHRISTCHURCH N.Z. E13iY Log log 1 cycle x 3 cycles

Os + Ir

FENTON'S TRENCHES · 3m SAMPLES

max. 5500 ppb

Os + Ir ppb.

1000 9 8 7 6 5 4 3 100 9 8 7 6 5 4 3 10 9 8 7 6 5 4 3 2 1

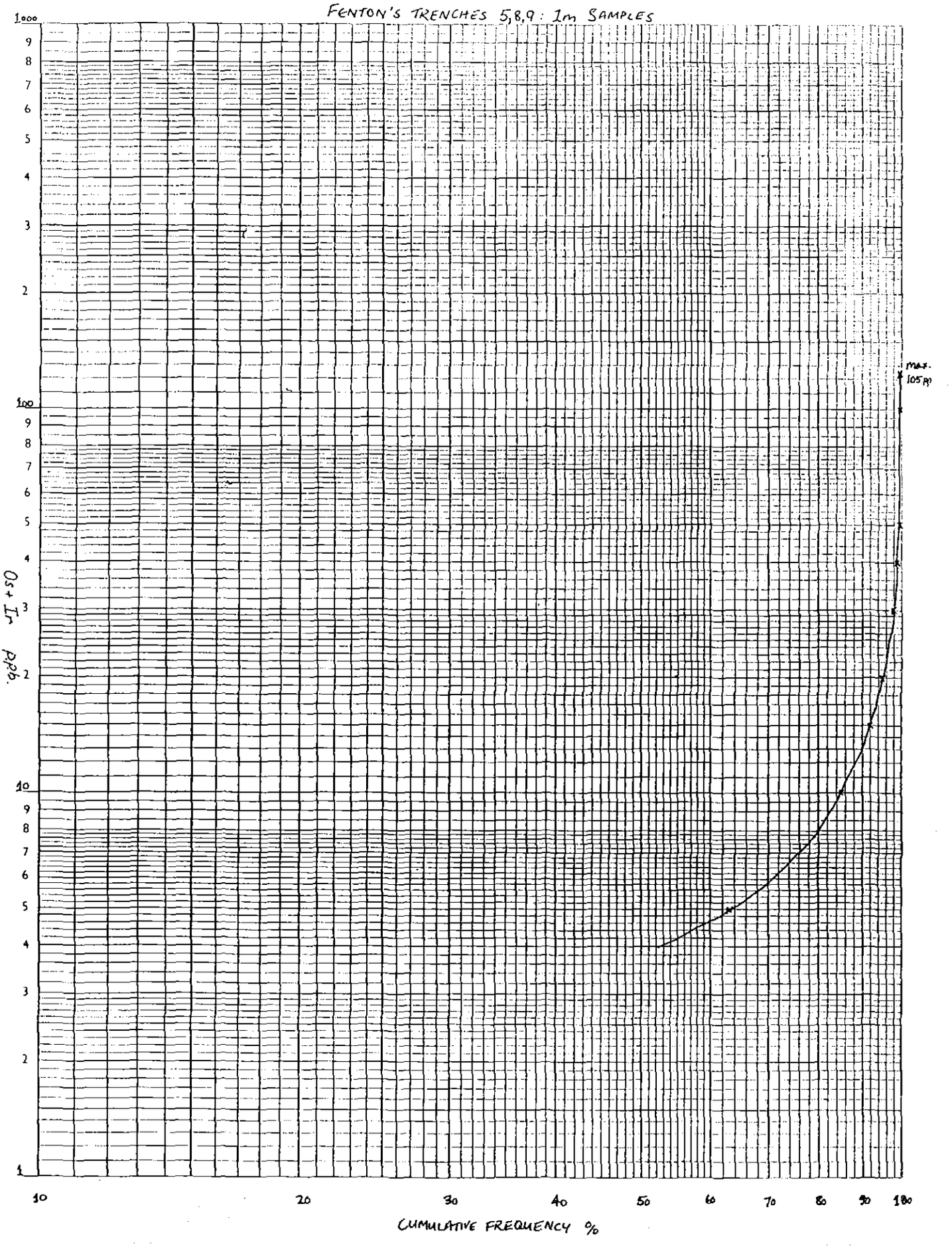
10 20 30 40 50 60 70 80 90 100

CUMULATIVE FREQUENCY %

GORMACK GRAPH PAPERS : CHRISTCHURCH N.Z. E131Y Logalog 1 cycle x 3 cycles

Os + Ir

FENTON'S TRENCHES 5,8,9 : 1m SAMPLES

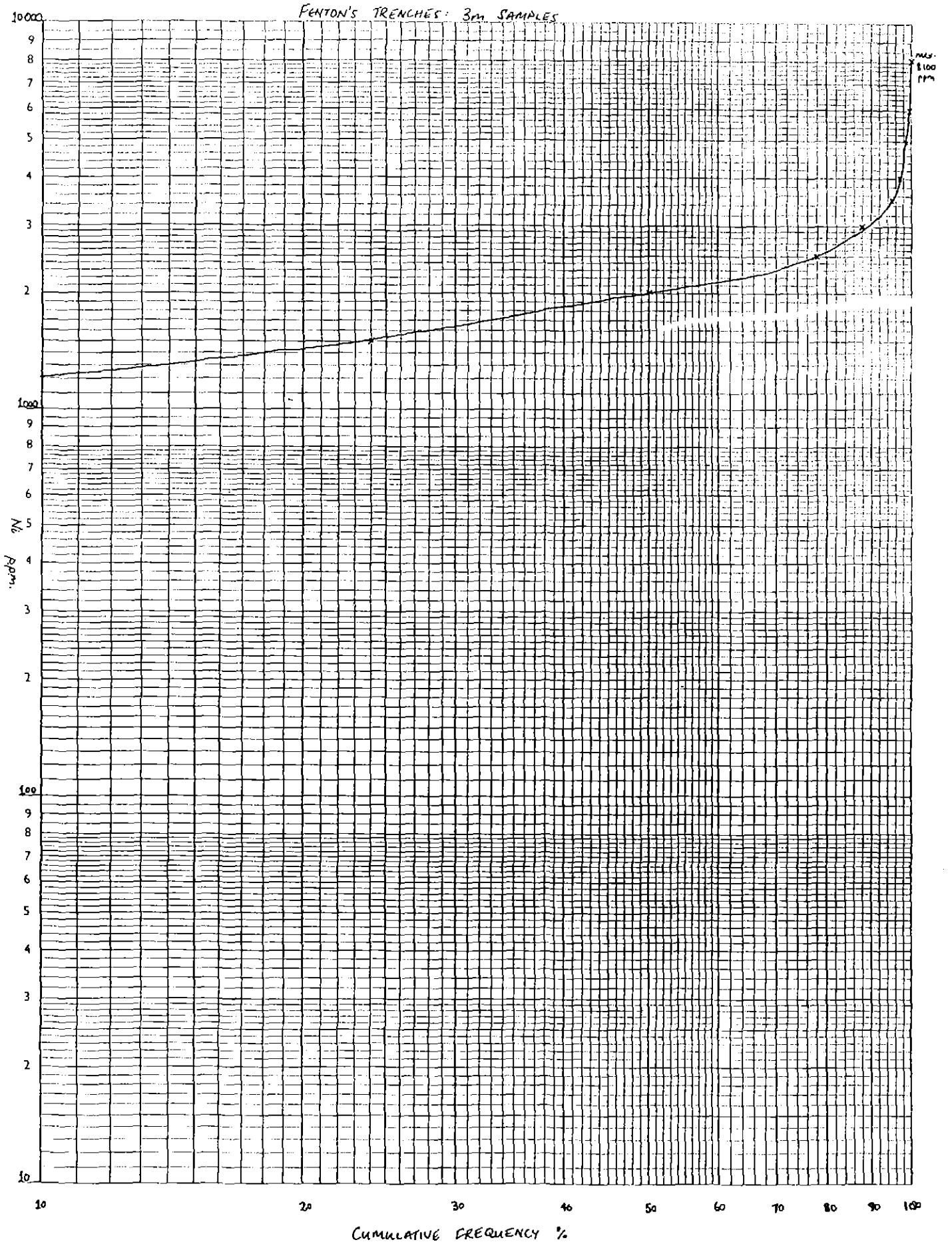


GORMACK GRAPH PAPERS : CHRISTCHURCH N.Z. E13Y Logarithmic 1 cycle x 3 cycles

720104

Ni

FENTON'S TRENCHES: 3m SAMPLES

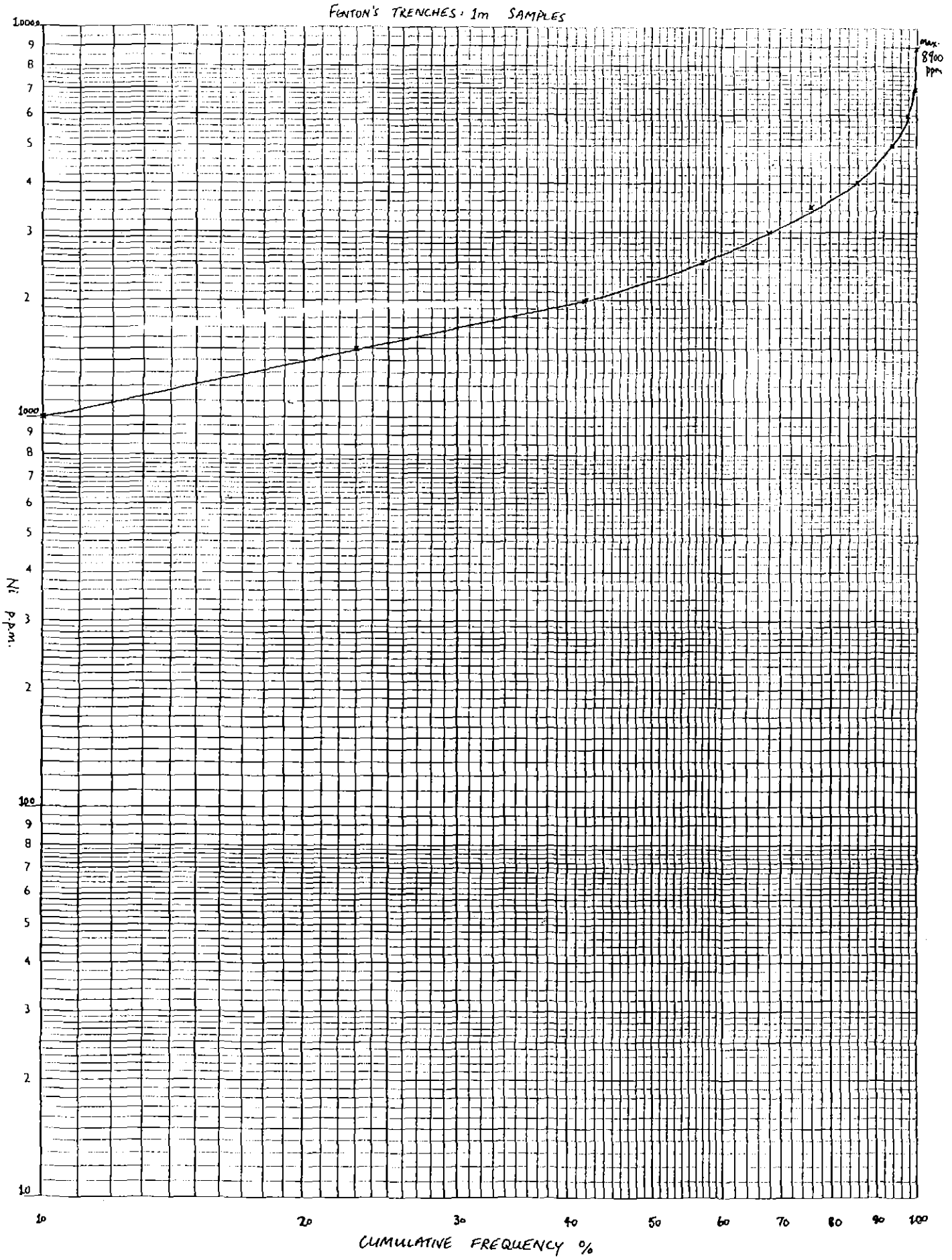


720105

GORMACK GRAPH PAPERS : CHRISTCHURCH N.Z. E131Y Log-log 1 cycle x 3 cycles

Ni

FENTON'S TRENCHES: 1m SAMPLES



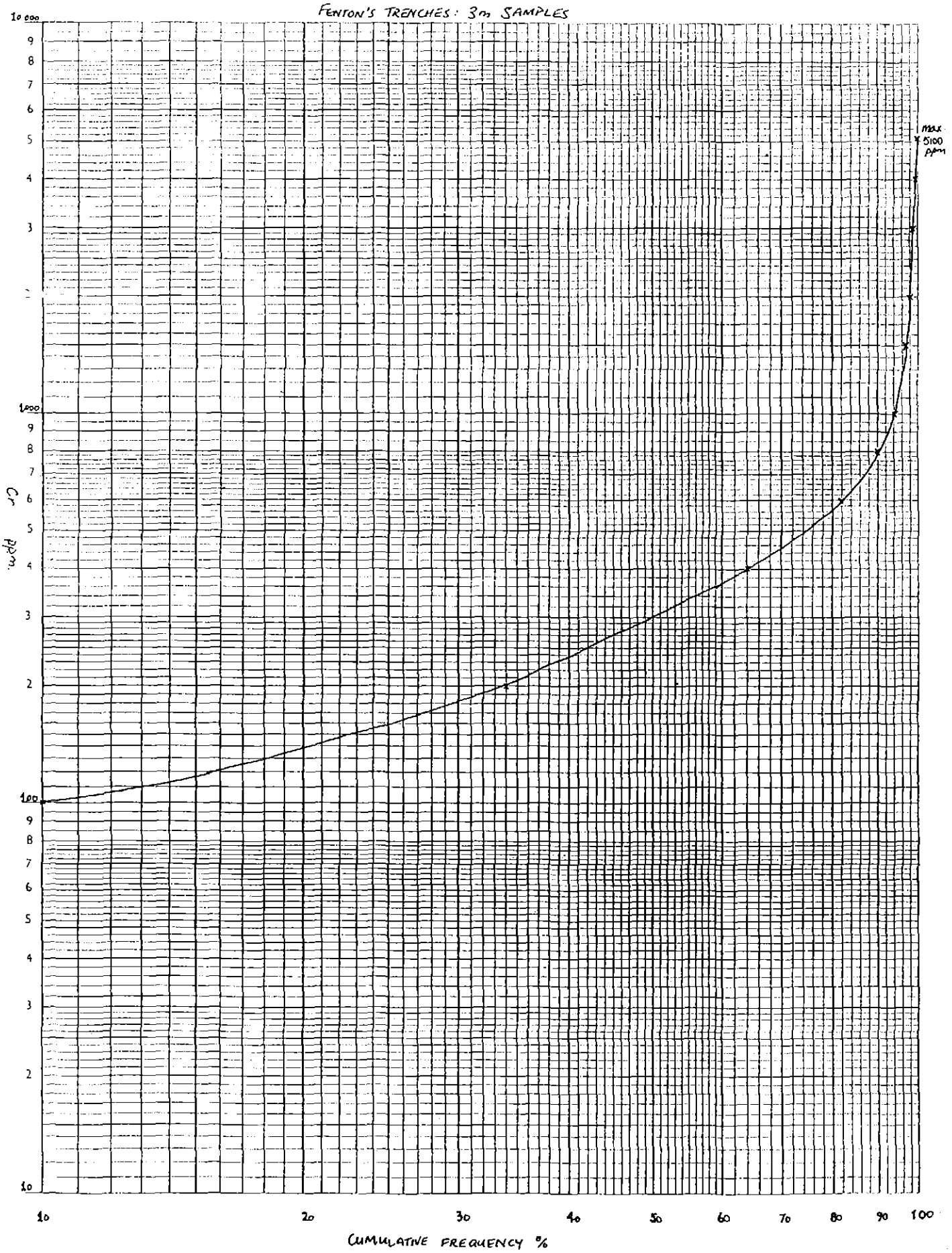
101

720106

GORMACK GRAPH PAPERS CHRISTCHURCH N.Z. E131Y Log-log 1 cycle x 3 cycles

Cr

FENTON'S TRENCHES: 3m SAMPLES

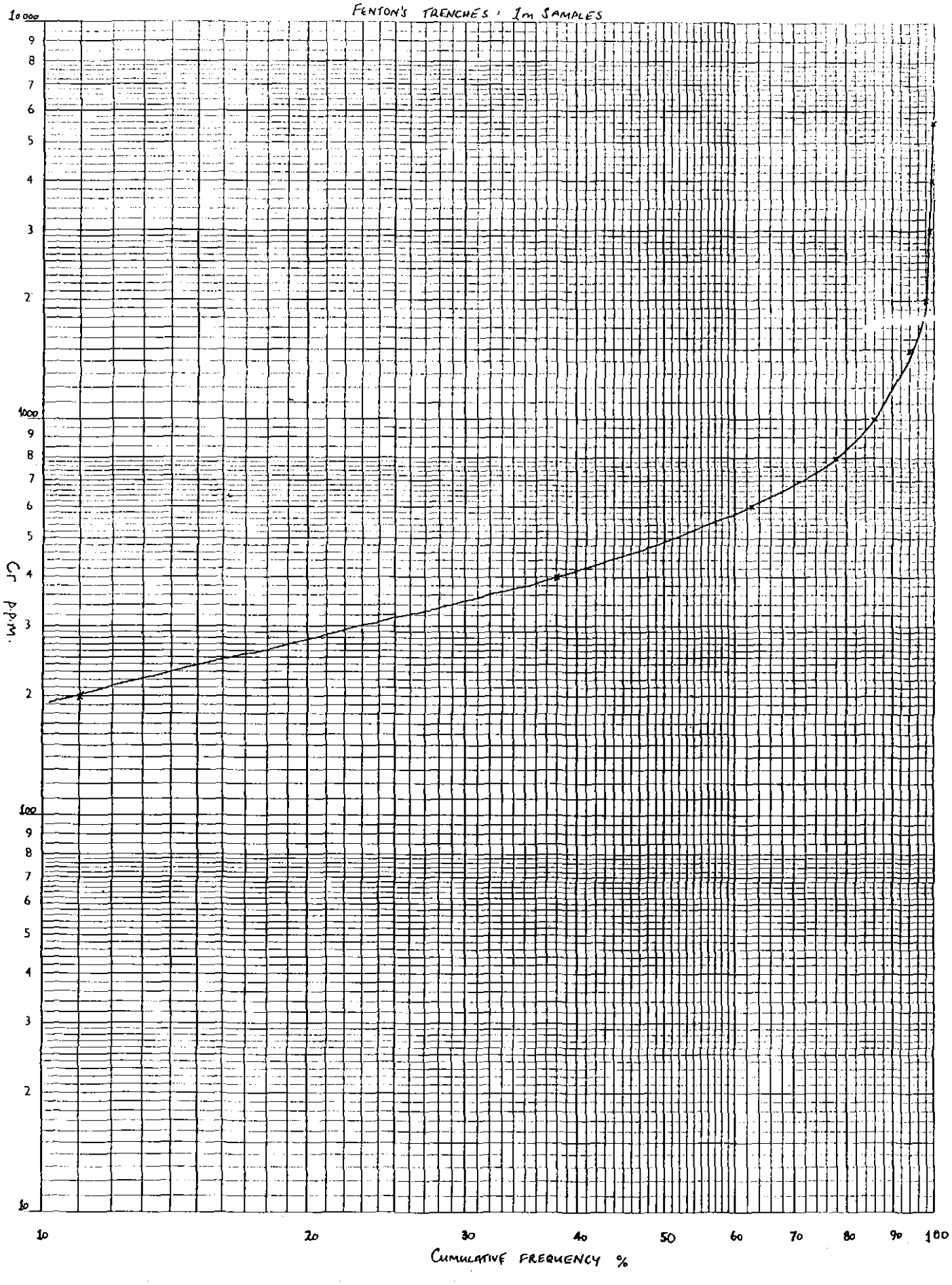


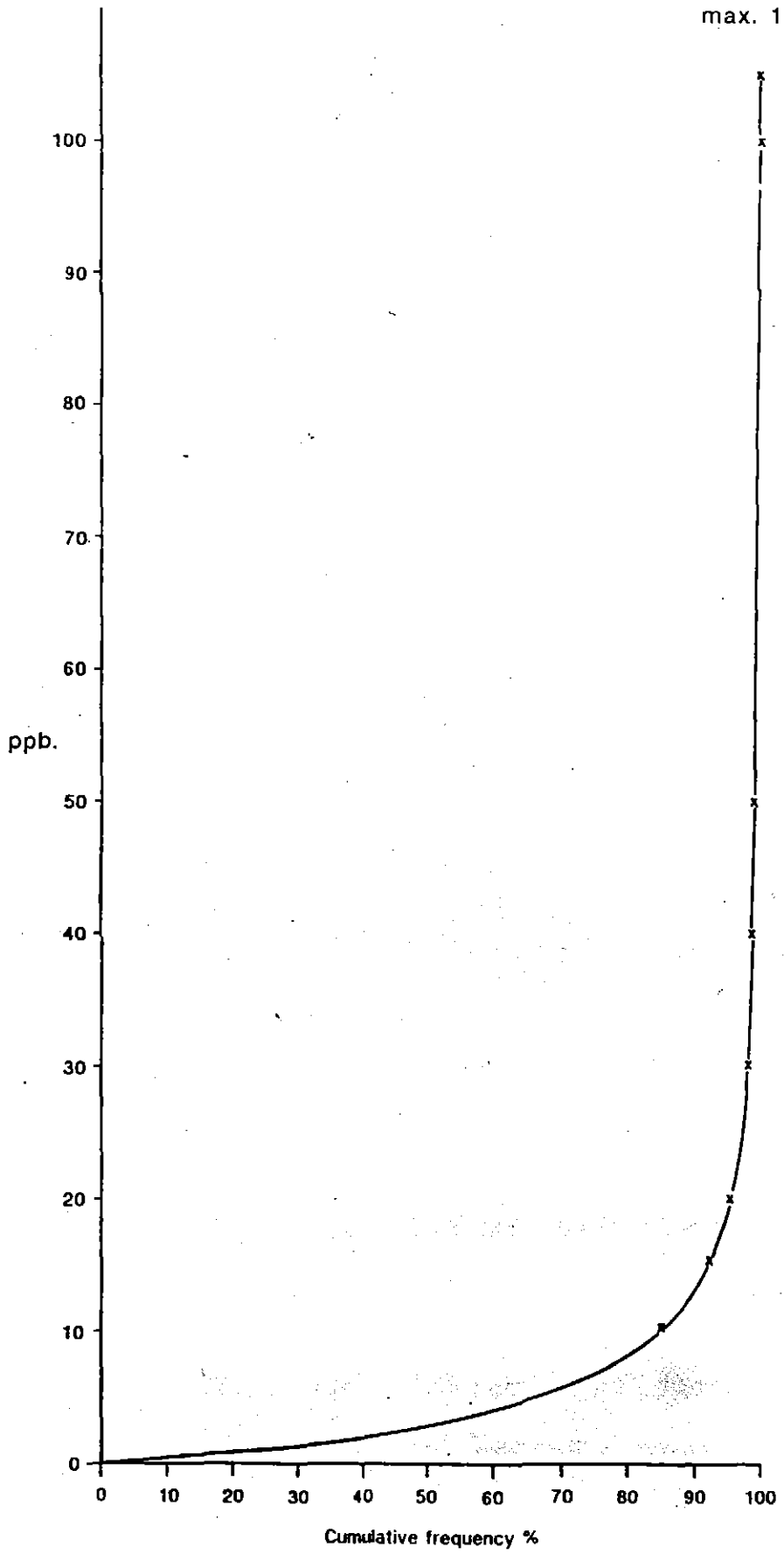
720107

GORMACK GRAPH PAPERS : CHRISTCHURCH N.Z. E131Y Log-log 1 cycle x 3 cycles

Cr

FENTON'S TRENCHES : 1m SAMPLES



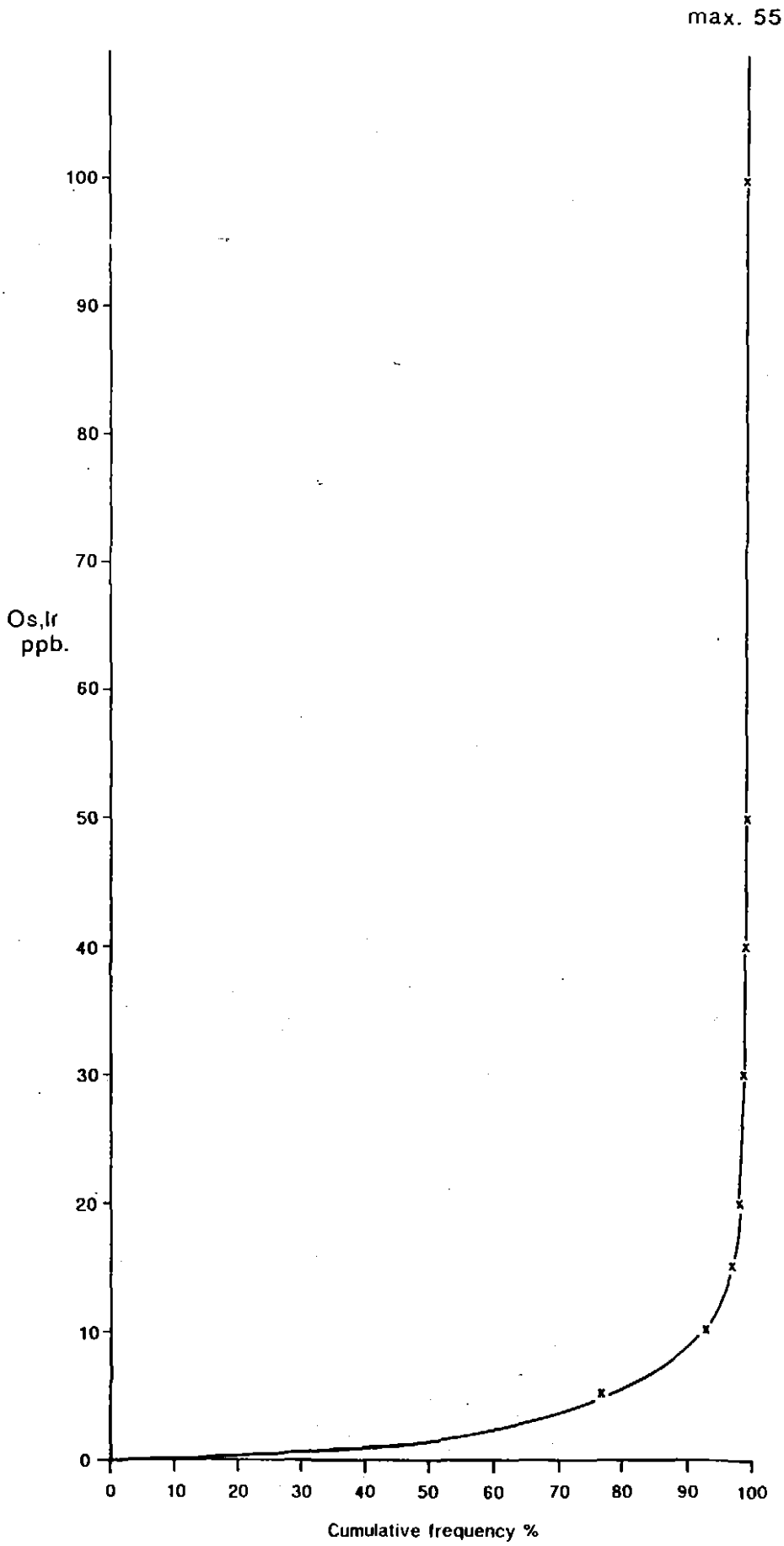


METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL. 21/85
Tasmania

Title: FENTONS TRENCHES Nos. 5,8,9.
Osmiridium,Iridium
1m samples

Author	Date 10/88	Scale	
Drawn JB.	Office PER	Revised	Date
Drawing No 02/HZ/3/27			Fig. No.



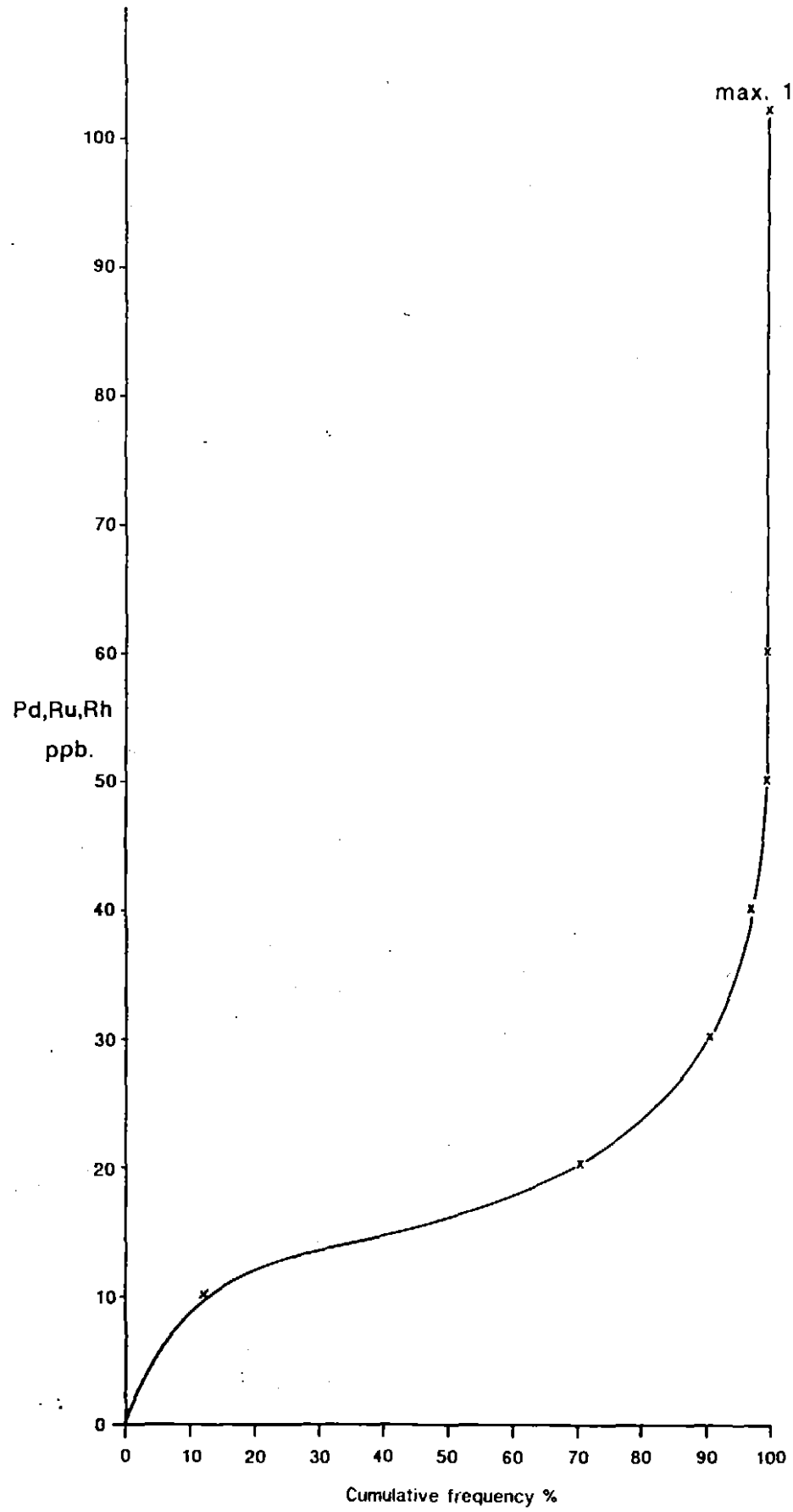
METALS EXPLORATION LTD

Project: HEAZLEWOOD EL. 21/85
Tasmania

Title: FENTONS TRENCHES
Osmiridium,Iridium
3m samples

Author	Date 10/88	Scale
Drawn JB.	Office PER	Revised / Date
Drawing No 02/HZ/3/28		Fig. No

720110

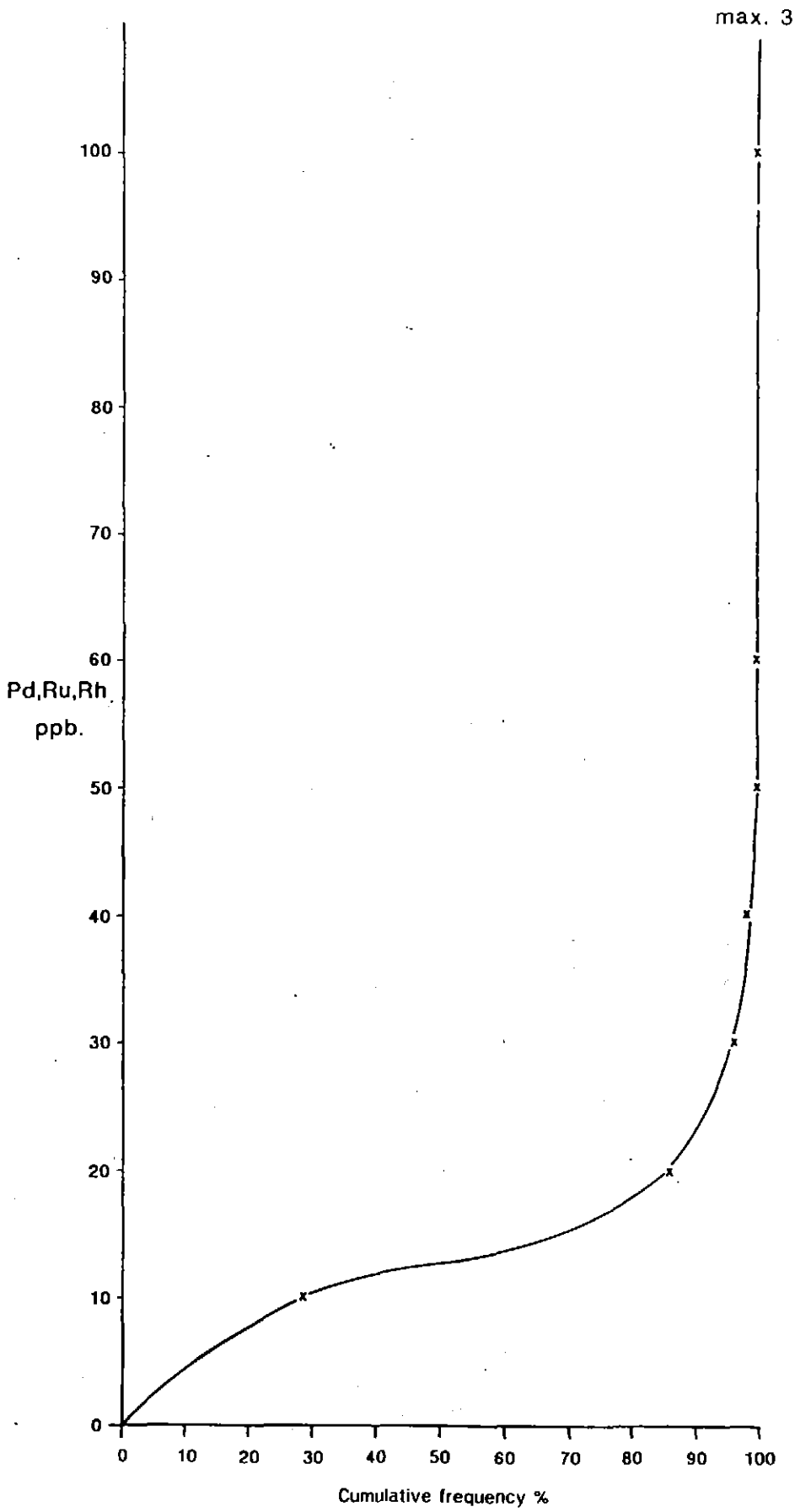


METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL. 21/85
Tasmania

Title: FENTONS TRENCHES Nos. 5,8,9.
Palladium,Ruthenium,Rhodium
1m samples

Author	Date 10/88	Scale
Drawn JB.	Office PER	Revised / Date
Drawing No 02/HZ/3/29		Fig No

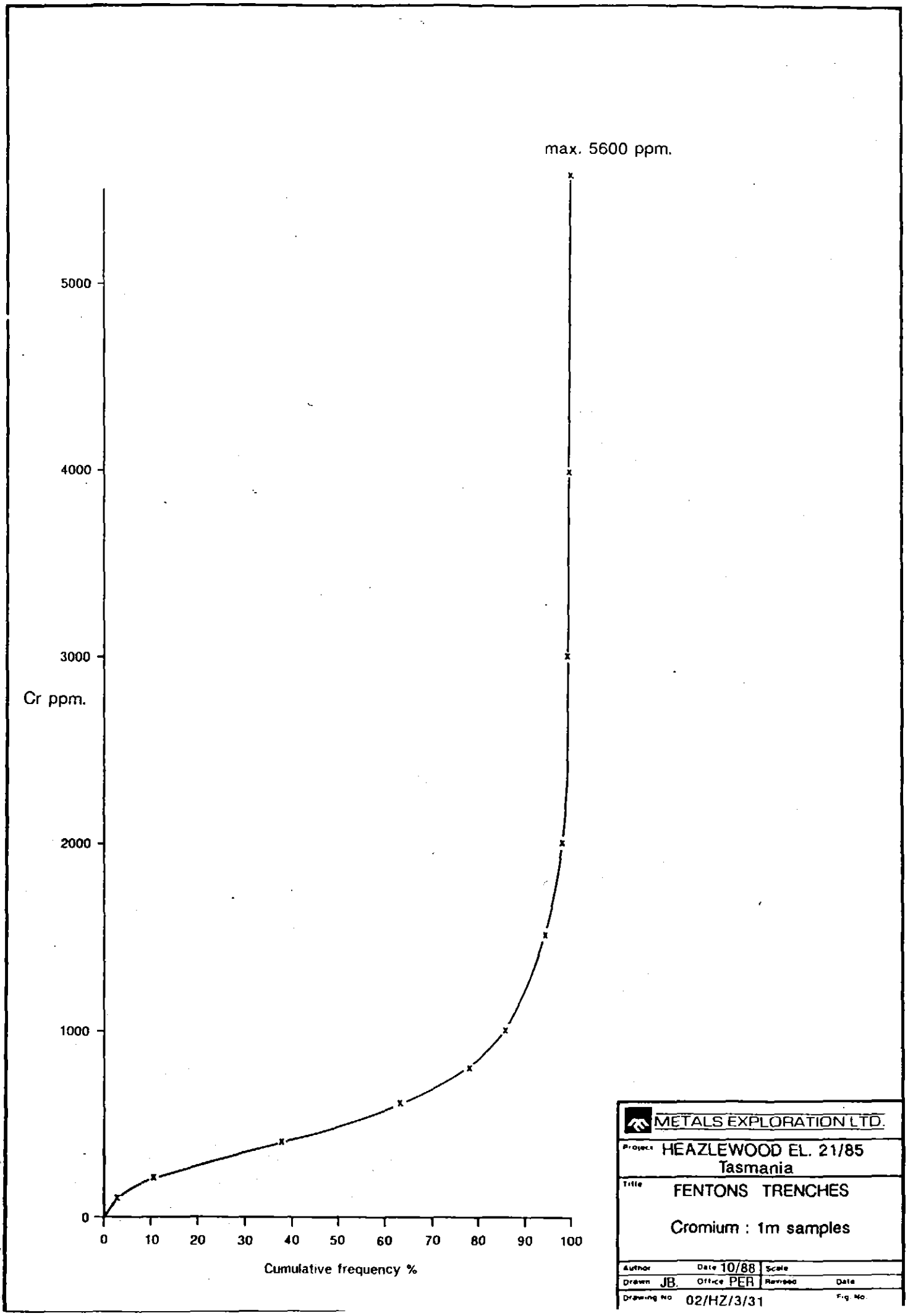


METALS EXPLORATION LTD

Project: HEAZLEWOOD EL. 21/85
Tasmania

Title: FENTONS TRENCHES
Palladium,Ruthenium,Rhodium
3m samples

Author	Date 10/88	Scale	
Drawn JB.	Office PER	Revised	Date
Drawing No 02/HZ/3/30			Fig No



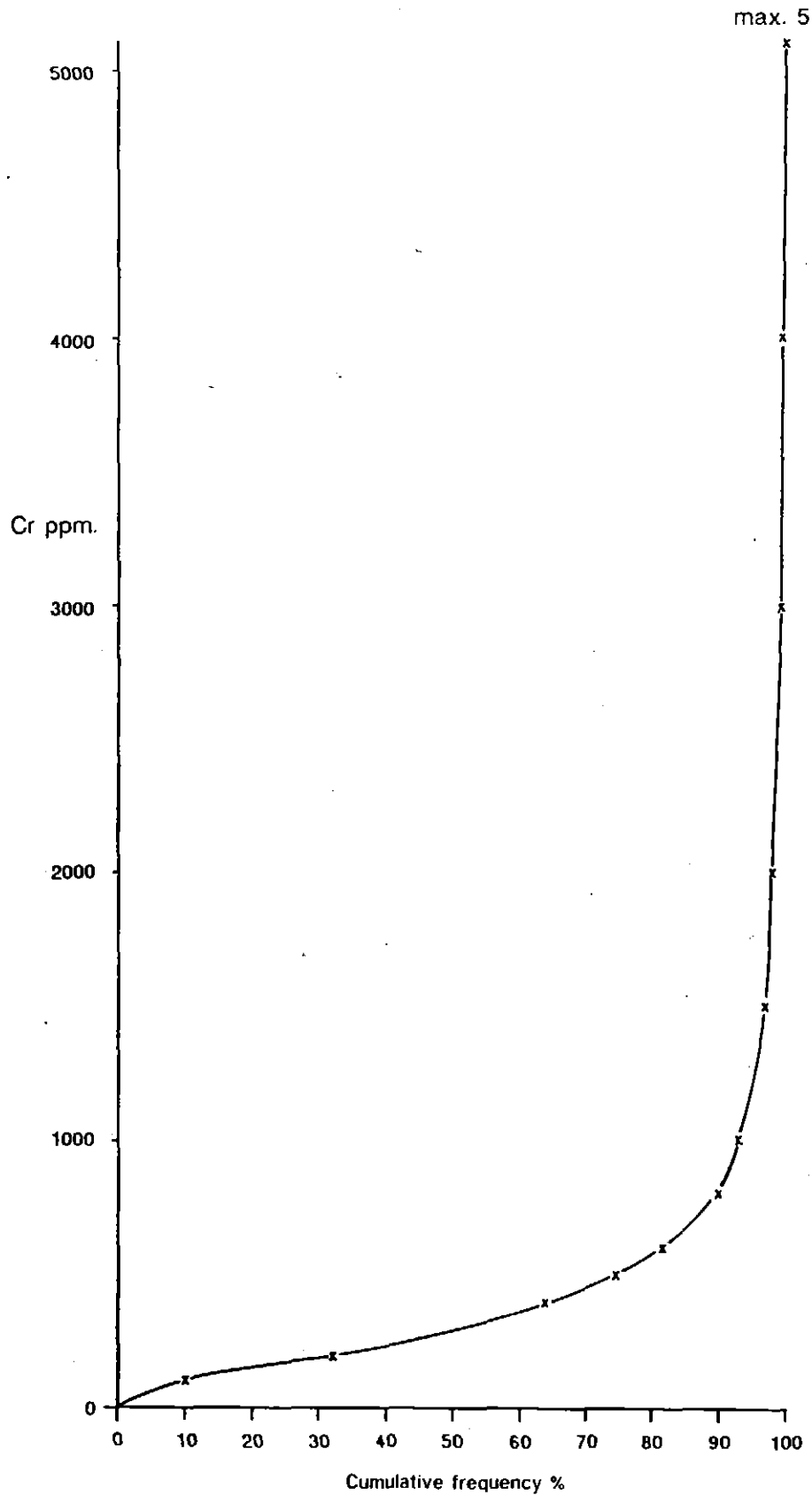
METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL. 21/85
Tasmania

Title: FENTONS TRENCHES

Cromium : 1m samples

Author		Date 10/88	Scale	
Drawn	JB.	Office PER	Revised	Date
Drawing No.	02/HZ/3/31			Fig. No.



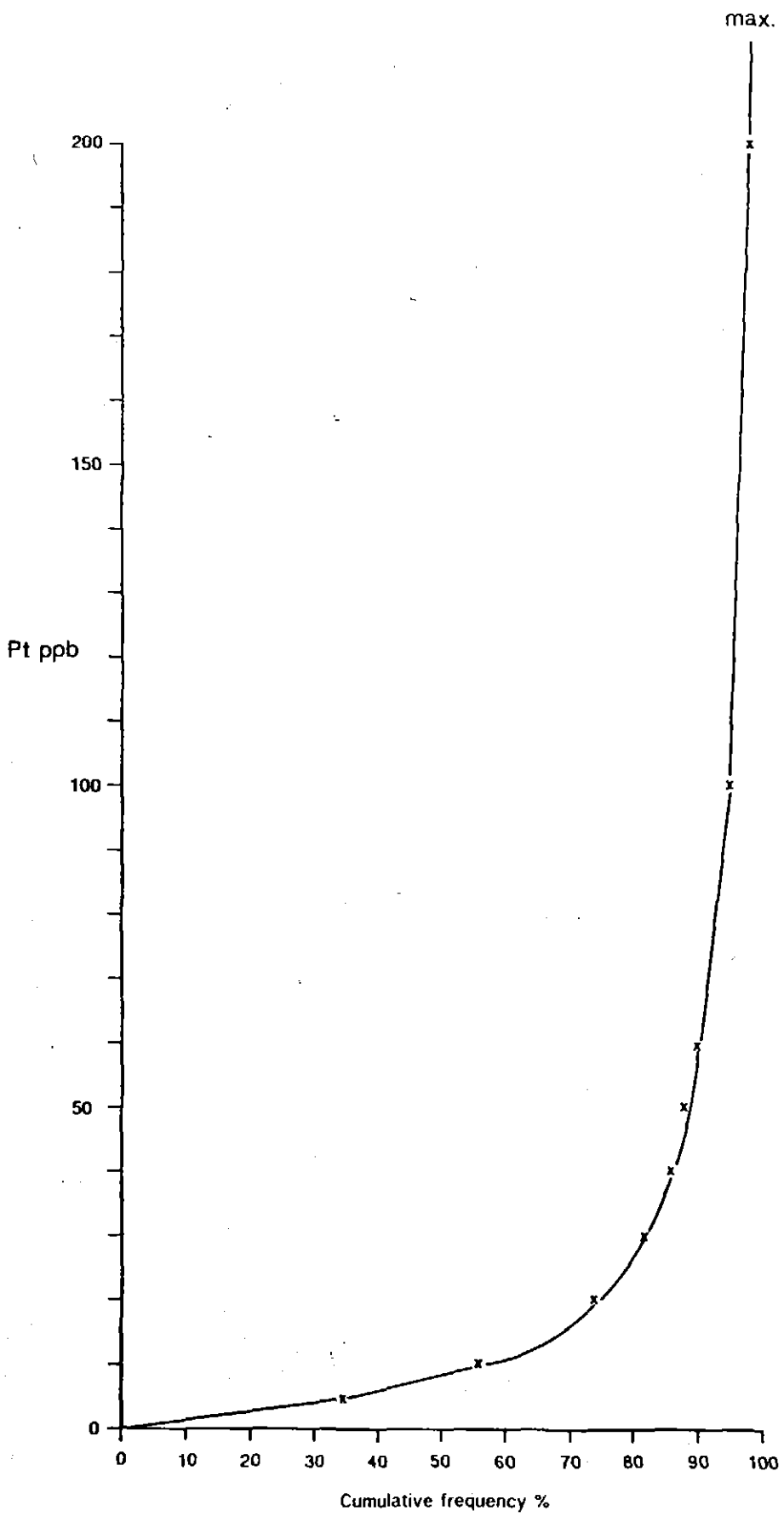
METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL. 21/85
Tasmania

Title: FENTONS TRENCHES

Cromium : 3m samples

Author	Date 10/88	Scale
Drawn JB.	Office PER	Revised / Date
Drawing No. 02/HZ/3/32		Fig No.



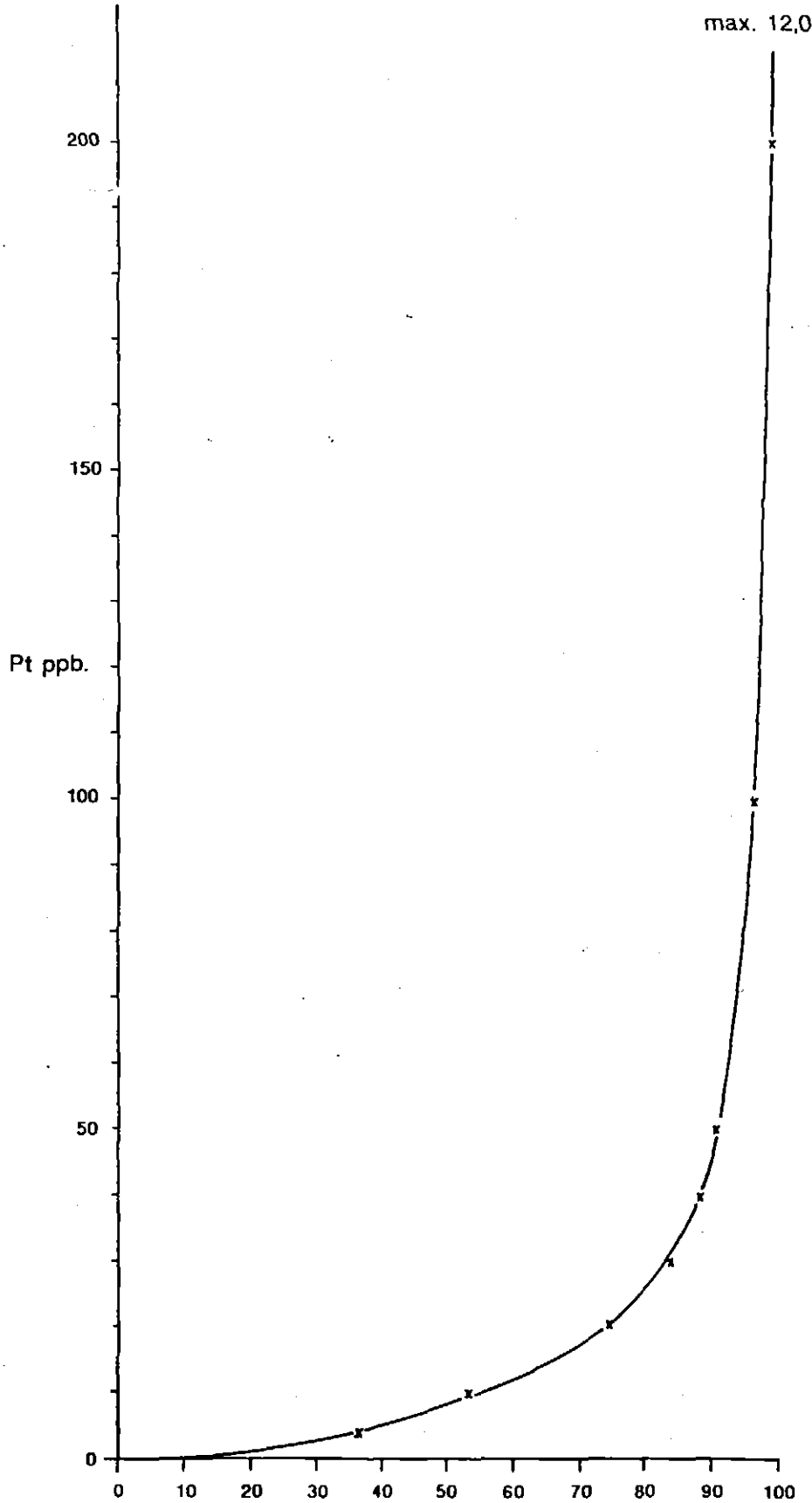
METALS EXPLORATION LTD.

Project HEAZLEWOOD EL. 21/85
Tasmania

Title FENTONS TRENCHES Nos. 5,8,9.

Platinum : 1m samples

Author	Date 10/88	Scale	
Drawn JB.	Office PER	Revised	Date
Drawing No 02/H7/3/33			Fig No



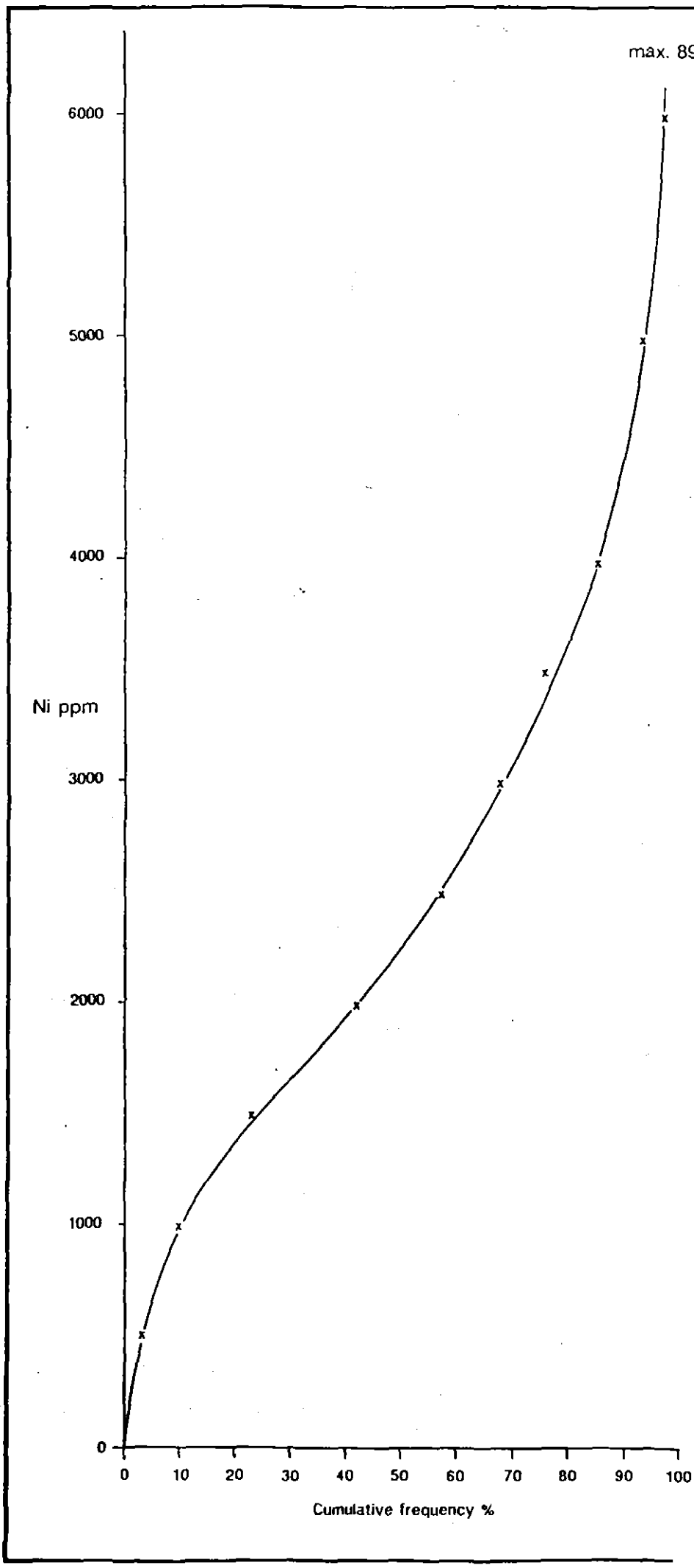
METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL. 21/85
Tasmania

Title: FENTONS TRENCHES

Platinum : 3m samples

Author		Date 10/88	Scale
Drawn JB.	Office PER	Revised	Date
Drawing No 02/HZ/3/34			Fig No



METALS EXPLORATION LTD.

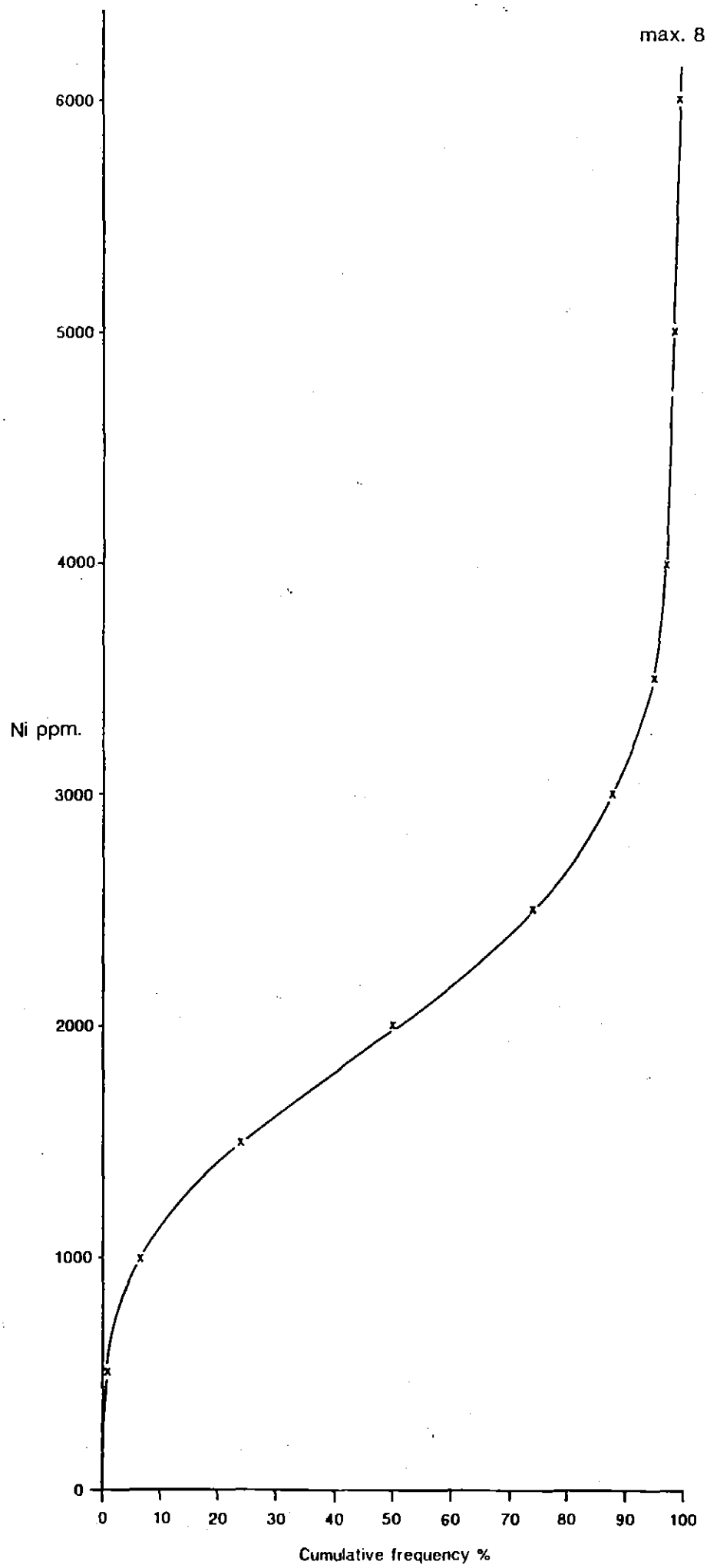
Project: HEAZLEWOOD EL. 21/85
Tasmania

Title: FENTONS TRENCHES

Nickel : 1m samples

Author	Date 10/88	Scale
Drawn JB.	Office PER	Revised / Date

Drawing No 02/HZ/3/35 Fig No.



METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL. 21/85
Tasmania

Title: FENTONS TRENCHES

Nickel : 3m samples

Author	Date 10/88	Scale	
Drawn JB.	Office PER	Revised	Date
Drawing No 02/HZ/3/36		Fig No	

APPENDIX 1H

FENTONS KNOB DIAMOND DRILL LOGS AND SECTION

114

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY / LAB. ENTRY

METALS EXPLORATION LIMITED

FKD-1 - FENTONS KNOB

HEAD OFFICE COPY

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS MAY NOT APPLY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au (ppb)	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %	TUBE No
00	2.70	2.70	(HQ) DUNITE, brown - olive, oxidised weathered, part serpentinised with olivine texture preserved 10% sub bedrock dissem. chromite, med. sand sized (approx. same as olivines), abundant irregular - braided fine black ± white veining, in part parallel to intermittent fissility.										
2.70	9.65	6.95	(NQ) DUNITE, as above, heavily weathered, high core loss. BASE TOTAL OXIDATION 9.65										
9.65	9.75	0.10	DUNITE, dk. grn. part serpent, unweathered										
9.75	14.60	4.85	DUNITE, dk grn-brown, serpent, heavily veined with fine black/white magnetite/serpentine veining in semi braided pattern. High density veining 9.85-10.28. magnetite blebs in pods, cloty green sub vitreous serpentine (10.05 - 10.15), micro seams veinlets, en echelon gashes filled with magnetite, in part with bronze metallic lustre on freshly fracture surfaces (eg 14.4). Some dissem. chromitite shows apparent alteration to magnetite.	726948	<2	3	2	9	3	4	4	.14	.03	10-11
				726949	<2	3	2	8	3	3	4	.14	.02	11-12
				726950	4	15	4	9	4	4	4	.15	.11	12-13
				726951	<2	2	4	10	3	2	4	.16	.17	13-14
				726952	<2	2	5	9	3	3	4	.16	.16	14-15
14.60	15.80	1.20	SERPENTINITE BRECCIA dk grn - blck Serpent dun. Lithology as above + more intense veining, gradational variation in veining intensity.	726953	<2	4	4	9	4	3	4	.16	.13	15-16
15.80	18.00	2.20	As above, with less intense veining, common dissem. magnetite in part after chromite (5-10%) and associated with serpentine increase.	726954	<2	5	4	8	3	2	4	.16	.08	16-17
				726955	<2	6	8	8	3	5	4	.16	.18	17-18
18.00	24.2	6.20	SERPENTINITE BRECCIA dk grn serpent dun. with pervasive	726956	<2	9	4	11	4	5	6	.16	.23	18-19
			Serpent. related to intense veining variable from brecciated	726957	<2	5	1	8	4	4	4	.16	.16	19-20
			to heavily veined. 12% blebs magnet. after dissem.	726958	<2	5	3	6	4	4	4	.15	.13	20-21
			chromite	726959	<2	3	2	8	4	5	5	.14	.08	21-22
			BASE INTERMITTENT OXIDATION 19.00	726960	<2	3	2	6	3	3	4	.14	.04	22-23
				726961	<2	4	3	7	4	4	4	.15	.06	23-24

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: K.M. | MACHINE: FOX BBC | INCLINATION AT COLLAR: -60° | BEARING AT COLLAR: 41.5° | MAG./GRID

SAMPLE TYPE: DIAMOND CORE | FIELD ENTRY BY: KM | DATE: 19/2/88

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: FENTONS

LINE No.: | LOCATION ON LINE OR HOLE NUMBER: FKD-1 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

61021

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

115

METALS EXPLORATION LIMITED

FR-1, Fenton Kash

HEAD OFFICE COPY

FIELD ENTRY / LAB ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.B. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %	TUBE No.
24.2	28.6	4.40	DUNITE grn-blk serpent. 10% dissem. med. grn. chromite gradational change through variable veining intensity, mostly heavily veined (not brecciated)	726962	<2	2	2	8	3	4	4	.14	.03	24-25
				726963	<2	3	3	5	3	5	4	.13	.01	25-26
				726964	<2	3	1	7	3	4	4	.14	.01	26-27
28.6	29.6	1.00	SERPENTINITE BRECCIA dk grn-blk, marbled serpentine, fine veined, altered dunite. Minor white carbonate	726965	<2	3	2	6	3	4	4	.13	.01	27.28
			in fractures, minor magnetite + calcite at 29.3.	726966	<2	4	2	8	4	5	6	.13	.02	28.29
				726967	<2	9	4	6	3	5	4	.13	.02	29.30
29.6	38.4	8.80	DUNITE dk-med grn, part serpent. massive, med. grn. olivine remnant. Veining decreasing down hole. 5-10% dissem chromite, some with tarnished, bronze magnetite cores. magnetite veinlets. Clots associated with larger zones of marbled serpent. (eg. 37.0) and magnetite veining (eg. 36.1) Zone of sheared, slickensided intense serpentinisation at 35.5 - 35.9. Minor carbonate in fractures.											
38.4	44.8	6.40	DUNITE dk grn. part serpent. alternating fissile, massive zones, minor veining. 5% (occasionally 5-10%) dissem med. chrom. fractures with slickensides, serpentine at 40.0, 40.1, ~~42.0~~ 42.0, 42.25, 44.5. Calcite fracture fill at 42.7, 42.9.											
44.8	45.9	1.10	DUNITE dk grn-blk, serpent., heavily veined, massive. grn serp deposits in fractures, minor carbonate veining.											
45.9	51.00	5.10	DUNITE dk grn, part serpent. minor veining, fissile (especially below 48.0) 5% (occasionally to 10%) dissem. med. chrom. occasional carbonate veining, especially 47.8-47.95 (associated with intense serpentinisation) and 49.4. Trains of mottling, carbonate blebs 47.0 - 47.3											
51.00	65.6	14.60	DUNITE, dk grn, part-heavily serpent. minor veining, massive (non fissile). Crush zones and fractures with calcite veining at approx. 45° to core axis (eg 51.4-51.7, 52.6, 53.1, 58.0-58.2, 58.5-59.0, 59.4-59.5 63.1-63.4. Some magnetite/serp/carbonate banding in veins. Spotty texture (centimetre primary banding) plus some carbonate at 53.55-53.60 57.6-57.9 60.0-60.5, 60.8-60.85, 61.5-64.6, 65.5-65.6											
65.6 = EOH														

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:

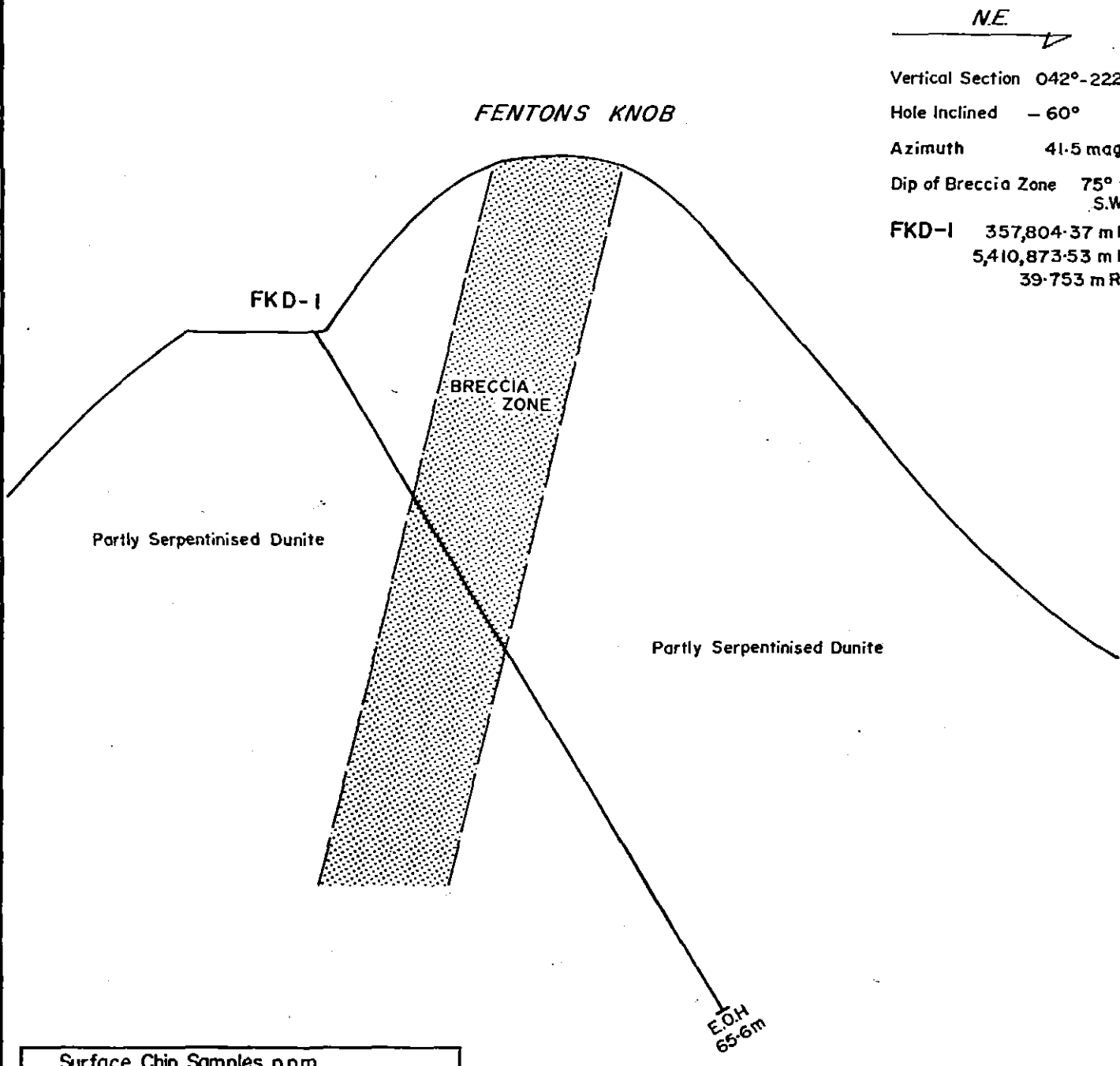
LINE No: LOCATION ON LINE OR HOLE NUMBER: FKD-1 LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES: CHEMIST: DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

2.2.2010



Surface Chip Samples p.p.m.					
No.	Au	Pt	Pol	Ni %	Cr %
212110	0·1	<0·005	<0·005	·48	·08
212111	0·1	<0·005	<0·005	·35	·09
212112	0·1	<0·005	<0·005	1·23	·09
212113	0·1	<0·005	<0·005	·10	·08
212114	0·1	<0·005	<0·005	·53	·06
212115	0·1	<0·005	<0·005	·54	·12
212116	0·1	<0·005	<0·005	·13	·09

0 5 10 15 20
metres

5 cm

METALS EXPLORATION LTD.

Project HEAZLEWOOD EL. 25/81
Tasmania

Title FENTONS KNOB
FKD-1
VERTICAL SECTION

Author W.H.	Date 10/88	Scale 1 : 500	
Drawn JB.	Office PER	Revised	Date
Drawing No. 02/HZ/5/09			Fig. No

APPENDIX 1

FKD-1 CORE RECOVERY

	INTERVAL (metres)	RECOVERY (cm)	RECOVERY (%)
HQ	0.0 - 2.7	270	100
NQ	2.7 - 6.0	82	25
	6.0 - 7.2	98	82
	7.2 - 8.0	45	56
	8.0 - 8.45	40	89
	8.45- 9.50	100	95
	9.50-10.3	80	100
	10.3 -12.1	185	103
	12.1 -15.1	309	103
	15.1 -18.1	309	103
	18.1 -20.85	275	100
	20.85-24.10	315	97
	24.1 -27.1	300	100
	27.1 -30.1	288	96
	30.1 -33.1	307	102
	33.1 -36.1	305	102
	36.1 -39.1	294	98
	39.1 -40.9	172	96
	40.9 -42.1	127	106
	42.1 -44.7	265	102
	44.7 -47.4	270	100
	47.4 -48.0	60	100
	48.0 -51.0	300	100
	51.0 -54.0	300	100
	54.0 -57.0	304	105
	57.0 -59.7	265	98
	59.7 -62.85	315	100
	62.85-65.6	295	107
	EOH		

APPENDIX 1I

XRD MINERAL DETERMINATIONS

119

720124

A DIVISION OF
MACDONALD HAMILTON & CO. PTY. LTD.

RDG

FACSIMILE TRANSMISSION

If any portion of this transmission is missing please advise — Tel: (09) 458 7999

TO: T SUMMONS COMPANY: METALS EXPLORATION LTD FAX No.03819170:

FM: G MOORE COMPANY: ANALABS FAX No.: (09) 458 292

SUBJECT: No. OF PAGES: 1 CODE: 8878

MESSAGE: DATE:

Your Reference O/N 20008

Have examined the samples 300056 and 300057 using XRD.

Patterns are indicative of samples being predominantly serpentine group.

We are unable to confirm what specific mineral it is ie;

Chrysatile
Lizardite
Antigorite

Could you confirm if you wish us to pursue fruther.

Regards

Greg Moore

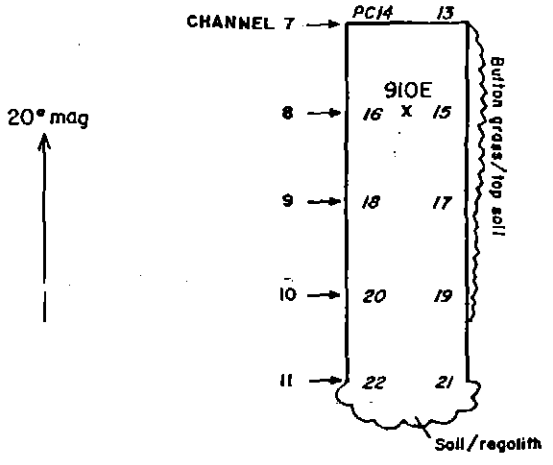
APPENDIX 2

PURCELLS PROSPECT

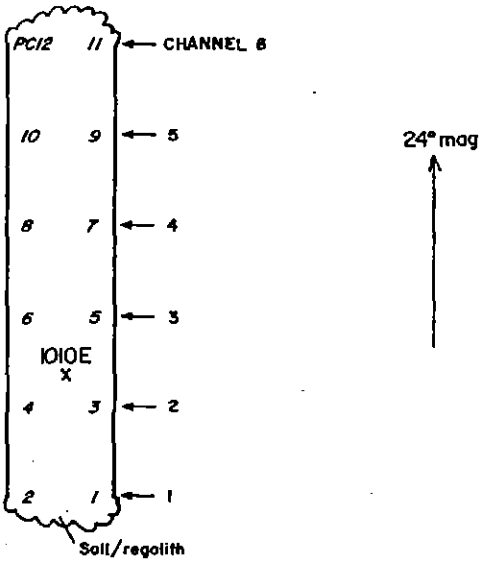
APPENDIX 2A

COSTEAN GEOCHEMISTRY

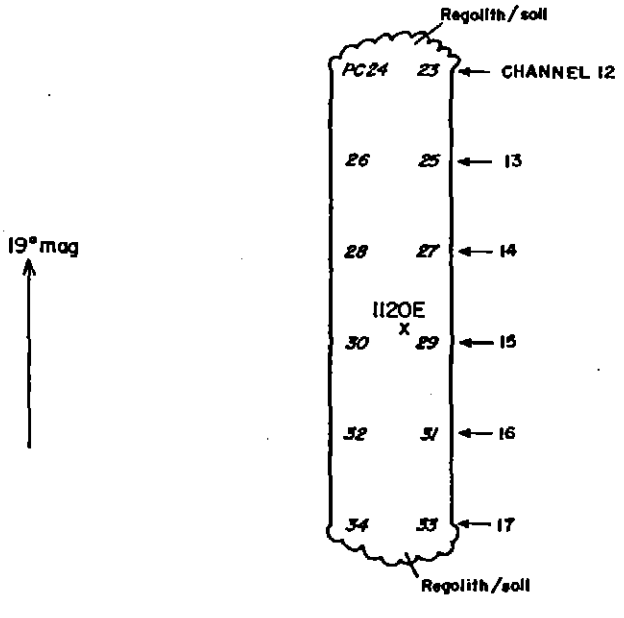
Costean 1 Line 1,910mE



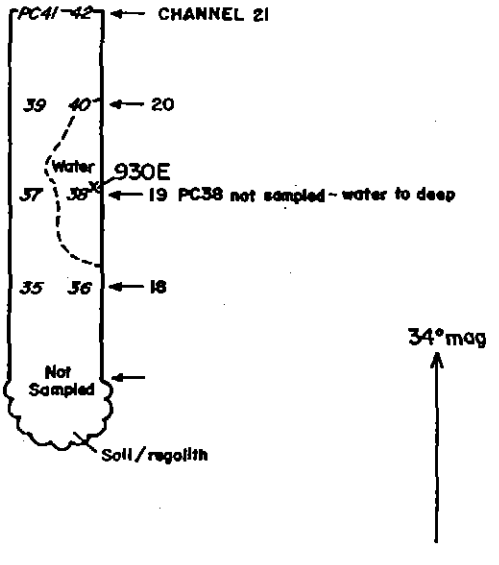
Costean 2 Line 2, 1010mE



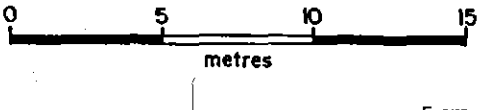
Costean 3 Line 2, 1120mE



Costean 4 Line 3, 930mE



PC14 = Sample number



5 cm

METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85 Tasmania

Title: PURCELLS PROSPECT COSTEANS

Author	S.C.	Date	11/88	Scale	1:250
Drawn	N.E.	Office	PER	Revised	Date
Drawing No.	02/HZ/1/18	AMG	6K55-3 7915	Fig. No.	

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY / LAB ENTRY

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni	Cu	TUBE No.
1	COST. 2	CHAN. 1	PC1	SERPENT. PYROXENITE		300100	<2	6	2.5	7.5	1	<.5	<2	175	450	
2	"	1	PC2	"		101	<2	4.5	2	5.5	1	<.5	<2	150	390	
3	"	2	PC3	"		102	<2	6	3	10	1	<.5	<2	250	490	
4	"	2	PC4	"		103	<2	5.5	2.5	6	1	<.5	<2	230	330	
5	"	3	PC5	"		104	<2	5	3.5	10	1	<.5	<2	230	500	
6	"	3	PC6	"		105	<2	6	4.5	6	1	<.5	<2	260	440	
7	"	4	PC7	"		106	<2	6	3	3.5	1	<.5	<2	290	1000	
8	"	4	PC8	"		107	<2	5.5	2	2.5	1	<.5	<2	310	880	
9	"	5	PC9	"		108	<2	5.5	5.5	3	1	<.5	<2	240	970	
10	"	6	PC10	"		109	<2	6	2	5.5	1	5.5	4	175	970	
11	"	6	PC11	"		110	<2	6	2	2.5	1	<.5	<2	200	770	
12	"	6	PC12	"		111	<2	7	2	3	.5	<.5	<2	220	600	
13	COST. 1	CHAN. 7	PC13	"		112	<2	5.5	2.5	2.5	.5	<.5	<2	220	570	
14	"	7	PC14	"		113	<2	7	2	2.5	1	<.5	<2	165	450	
15	"	8	PC15	"		114	<2	8	3	3.5	.5	<.5	<2	320	660	
16	"	8	PC16	"		115	<2	6.5	3	3	.5	<.5	<2	230	670	
17	"	9	PC17	"		116	<2	5.5	2	25	1	<.5	<2	140	350	
18	"	9	PC18	"		117	<2	6.5	2	2.5	1	<.5	<2	175	700	
19	"	10	PC19	"		118	4	5.5	2.5	1.5	<.5	<.5	<2	160	480	
20	"	10	PC20	"		119	4	7.5	3	4.5	1	<.5	2	220	700	
21	"	11	PC21	"		120	<2	7	2	4	1	<.5	<2	165	570	
22	"	11	PC22	"		121	<2	6	1.5	3	1	<.5	<2	195	550	
23	COST. 3	CHAN. 12	PC23	"		122	2	7.5	1	3.5	1	<.5	<2	490	650	
24	"	12	PC24	"		123	2	5	2	2.5	.5	<.5	<2	430	570	
25	"	13	PC25	"		124	<2	7.5	2	4.5	1.5	<.5	<2	360	510	
26	"	13	PC26	"		125	2	6.5	2.5	4	1	<.5	<2	460	580	
27	"	14	PC27	"		126	<2	9.5	3.5	3	1.5	<.5	<2	250	400	
28	"	14	PC28	"		127	2	9	3.5	3	1	<.5	<2	260	360	
29	"	15	PC29	"		128	<2	4.5	2	3.5	1	<.5	<2	390	600	
30	"	15	PC30	"		129	<2	7	1.5	3.5	1	<.5	<2	290	450	

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: R.F/K.M. MACHINE: INCLINATION AT COLLAR: BEARING AT COLLAR: MAG./GRID

SAMPLE TYPE: ROCK CHIP CHANNEL FIELD ENTRY BY: RF/BM DATE: 21/1/88

CHECK SAMPLE

LAB. NOTES: CHEMIST:

DATE: / /

PROSPECT OR PROJECT: HEAZLEWOOD AREA OR GRID NAME: PURCELLS PROSPECT

LINE No.: LOCATION ON LINE OR HOLE NUMBER: COSTEAN NO. 2, NO. 1, NO. 3 LOG PAGE 1 OF 2

LOG & ANALYTICAL REPORT Sheet No. of A/O

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY / LAB. ENTRY

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X=BELOW DETECTION LIMIT									TUBE No.
1	COST. 3	CHAN 16	PC31	SERPENT. PYROXENITE		300 130	<2	7	1.5	4	1.5	<.5	<2	290	520	
2	"	16	PC32	"		131	<2	5	2.5	3.5	1	<.5	<2	260	380	
3	"	17	PC33	"		132	<2	8.5	3	5	1.5	<.5	<2	260	460	
4	"	17	PC34	"		133	<2	7	2	4.5	1.5	<.5	<2	310	380	
5	COST 4	18	PC35	"		134	<2	3.5	1.5	4.5	0.5	<.5	<2	770	490	
6	"	18	PC36	"		135	<2	3.5	3.5	6	1	<.5	<2	800	760	
7	"	19	PC37	"		136	<2	2	1.5	3.5	<.5	<.5	<2	1040	440	
8	"	20	PC39	* "		137	2	5	1.5	5	.5	<.5	<2	650	300	
9	"	20	PC40	"		138	<2	1.5	1.5	4	.5	<.5	<2	1140	350	
10	"	21	PC41	"		139	<2	3	1.5	4	1	<.5	<2	710	590	
11	"	21	PC42	"		140	<2	6.5	3	4.5	1	<.5	<2	400	710	
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22				* PC38 UNDER WATER, MUD — NOT SAMPLED												
23																
24																
25																
26																
27																
28																
29																
30																

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: RF/KM | MACHINE: | INCLINATION AT COLLAR: | BEARING AT COLLAR: | MAG./GRID

SAMPLE TYPE: ROCK CHIP CHANNEL | FIELD ENTRY BY: RF/BM | DATE: 21/1/88

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: PURCELLS PROSPECT

LINE No.: | LOCATION ON LINE OR HOLE NUMBER: COSTEAN NO. 3, NO. 4 | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

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© Diamond drilling, use HOLE NUMBER FROM/TO INTERVAL ABBREV GEOL DESCRIPTION This for

67027

APPENDIX 2B

DRILL LOGS AND DRILL SECTIONS

WITH MAGNETIC PROFILES

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

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FIELD ENTRY / LAB. ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au (PPB)	Pt	Pd	Ru	Rh	Ir	Os	Ni (PPM)	Cr (PPM)
0	1		PYROXENITE, serpent, contaminated, abundant chromite, non magnetic	723230	<2	3.5	6.0	6.0	1.5	4.0	<2	570	300
1	2		" as above, minor hammer cutting, contaminated	"									
2	3		" as above less chromite, minor chalcedony	"									
3	4		" as above, common v.f. - f. chromite, minor chalc.	723231	<2	3.0	3.0	3.5	1.5	3.0	<2	880	280
4	5		SERPENTINITE, dk grn, dun and pxt derived, minor f. - v.f. chrom.	"									
5	6		" as above, increased pxt. tr. vf. pyrite on some serpent dunite fragms.	"									
6	7		SERPENTINISED DUNITE + minor pxt serp. pxt., dk grn. common sulphide, common f - v.f. chromite.	723232	<2	2.0	4.5	6.0	1.0	3.0	<2	620	145
7	8		" " as above, mainly dk grn - blk serpent, accessory chromite, brn clay.	"									
8	9		" " as above, clayey	"									
9	10		SERPENTINITE, dk grn, mainly dun. derived, minor pxt, common accessory wht. chalc. minor sulphide, tr. heavy metal (gold?), common f. chromite.	723233	<2	1.5	2.5	5.0	1.0	3.0	<2	700	125
10	11		PYROXENITE, part serpent, minor serpent dun. tr wht. chalc. tr. chromite.	"									
11	12		SERPENTINISED DUNITE, minor pxt tr. v.f. free ?gold minor f. chrom.	"									
12	13		SERPENTINISED DUNITE, increased pxt, minor f. chrom. tr. v.f. free ?gold	723234	<2	<0.5	3.5	3.0	0.5	2.5	<2	700	270
13	14		PYROXENITE, lt - dk grn, part serpent + minor serpent dun., minor f — chromite	"									
14	15		" as above, + minor serpent dun, minor f-m. chromite.	"									
15	16		" as above, minor chromite, tr. v.f. free ?gold	723235	<2	1.5	2.0	4.0	1.5	3.0	<2	580	410
16	17		" lt grn, minor dk grn serpent., minor blue grn serpent, tr. v.f. black opagues (pxt heavies appear lighter than dun heavies)	"									
17	18		" as above	"									
18	19		", serpent. + minor serpent dun. tr. sulphide dusting (pyrite?) on dk grn serpent. dun. tr. f-m. chromite.	723236	2	3.5	3.0	3.5	1.0	2.5	<2	600	380
19	20		" lt-dk grn, part serpent, mainly coarse tr. v.f.-f. black heavies.	"									
20	21		" as above.	"									
21	22		" as above, increased v.f.-f. chromite.	723237	<2	3.5	2.5	4.5	1.0	3.0	<2	630	360
22	23		PYROXENITE + serpent dun. lt grn-brn pxt minor v.f.-m. chrom. tr. free ?gold tr. v.f. nickel	"									

AIR PHOTO DRAWING No.:

LOGGED BY: KM | MACHINE: HALCO | INCLINATION AT COLLAR: 45° | BEARING AT COLLAR: 140 | MAG./GRID:

SAMPLE TYPE: PERC. CHIP | FIELD ENTRY BY: K.M. | DATE: 19/5/88

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: PORCELLS PROSPECT

LINE No.: MIDDLE | LOCATION ON LINE OR HOLE NUMBER: PP3 | LOG PAGE 1 OF 2

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

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2701

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY / LAB ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION	GEOLOGICAL DESCRIPTION OF SAMPLE — ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cr ppm
28	29		PYROXENITE, dk grn - brn grn, pervt serpent, abund clay, tr. blue-l grn serpent.		"									
29	30		" as above	tr. v.f. black opaques (no blue serpent)	"									
30	31		" as above	abund. clay, no heavies.	723228	2	5.5	3.5	3.0	2.0	5.0	2	180	490
31	32		" as above	tr v.f. chromite	"									
32	33		" as above	abundant lt grey clay, increased chromite	"									
33	34		" as above	abundant clay, tr. blue grn serpent.	723229	2	4.0	3.0	4.5	1.0	3.0	<2	230	370
34	35		" as above		" dup.	2	3.5	2.5	5.5	1.5	3.5	<2		
			E.O.H.											

P. AIR PHOTO DRAWING No.:

LOGGED BY: KM | MACHINE: | INCLINATION AT COLLAR: | BEARING AT COLLAR: | MAG./GRID

SAMPLE TYPE: | FIELD ENTRY BY: | DATE: 18/5/88

CHECK SAMPLE

LAB NOTES: | CHEMIST: | DATE: / /

PROSPECT OR PROJECT: | AREA OR GRID NAME:

LINE No: | LOCATION ON LINE OR HOLE NUMBER: PR2 | LOG PAGE 2 OF 2

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

P 27

A20433

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FIELD ENTRY | LAB. ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cr ppm
0	1		PYROXENITE, brnzegrn - dk grn, pnt serpent. Tr f-v.f chromite. (1 speck horse shoe shaped dull silver min in coarse pt xtal)	723218	<2	4.5	9.5	9.5	1.0	5.5	<2	200	620
1	2		PYROXENITE dk grn, pnt serpent as above.	"									
2	3		" as above	"									
3	4		" as above	723219	2	5.5	4.0	3.0	1.0	4.0	<2	220	900
4	5		" grn, brnzegrn, greygrn, tr. f. black opaques (not very heavy)	" bup.	<2	5.5	1.5	9.5	1.0	5.5	<2		
5	6		" as above	"									
6	7		" as above, minor lt brn, whitish pxt	723220	<2	8.5	3.5	2.0	1.5	4.0	<2	195	620
7	8		" as above	"									
8	9		" as above ~~+ minor fray blu grn serpent.~~	"									
9	10		" as above + minor fray blu grn serpent.	723221	2	18	5.5	2.5	1.5	3.0	2	270	710
10	11		PYROXENITE dk grn, brown grn, pnt serpent, tr. v.f. - f chromite	"									
11	12		" as above	"									
12	13		" as above + minor white serp, clay	723222	<2	4.0	6.0	7.5	2.5	3.5	<2	280	550
13	14		" dk grn, serpent,	"									
14	15		" as above + tr v.f opaques (not very heavy)	"									
15	16		" as above + minor lt grn wht serpent.	723223	<2	6.0	5.5	5.5	2.5	5.0	<2	210	790
16	17		PYROXENITE, grn, grngrey, serpent in pnt, minor lt grn wht serpent.	"									
17	18		" as above	"									
18	19		" as above, fe staining of faces	723224	<2	6.0	7.5	6.0	2.0	4.0	<2	140	550
19	20		" as above	"									
20	21		" as above, mainly dk grn.	"									
21	22		" as above + abund. clay. serpent + fe on surface faces	723225	<2	5.5	3.5	6.5	2.5	4.0	<2	135	510
22	23		" as above	"									
23	24		" as above, abundant clay.	"									
24	25		PYROXENITE dk grn, serpent, abund clay serpent.	723226	<2	5.5	4.0	4.5	2.0	3.5	<2	120	530
25	26		" dk grn, brngrn, minor lt grn. pnt serpent, tr. fibrous lt grn serp min. tr. f-v.f. Chromite	"									
26	27		PYROXENITE as above	"									
27	28		" as above, abundant lt grey clay. no heavies	723227	<2	5.0	4.5	1.5	1.0	3.0	<2	170	630

AIR PHOTO DRAWING No.					
LOGGED BY: K.M.	MACHINE: HALCO	INCLINATION AT COLLAR: 45°	BEARING AT COLLAR: 320°	MAG./GRID	CHECK SAMPLE
SAMPLE TYPE: PERC. CHIP	FIELD ENTRY BY: K.M.	DATE: 8/5/88	LAB. NOTES:	CHEMIST:	DATE: / /

PROSPECT OR PROJECT: HEAZLEWOOD — AREA OR GRID NAME: PURCELL PROSPECT

LINE No: MIDDLE — LOCATION ON LINE OR HOLE NUMBER: MP2 — LOG PAGE 1 OF 2

LOG & ANALYTICAL REPORT Sheet No. 1 of A/O

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12033

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FIELD ENTRY | LAB ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.B UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cr ppm
30	31		PYROXENITE, green, grey, brown, few levels of serpent, tr. Dark v.f. oxides, no heavies, non magnetic	723210									
31	32		" as above, clayey	"									
32	33		" as above	723211	2	4.5	4.5	1.5	2.0	2.0	2	98	250
33	34		" as above	"									
34	35		" as above.	"									
35	36		" as above	723212	<2	8.0	13	3.0	2	7.0	2	LNR ?	LNR ?
36	37		" as above	"									
37	38		" as above	"									
38	39		" as above	723213	<2	7.0	2.5	0.5	1.5	6.5	4	140	320
39	40		PYROXENITE, serpentinised, frags of ? gabbro, white ? garnet, white serpent.	"									
40	41		" as above	"									
41	42		" as above, mesh ? gabbro	723214	<2	6.0	3.0	7.5	1.5	7.0	2	88	360
42	43		" as above.	"									
43	44		PYROXENITE, dk grn - bronze green, tr. v.f. oxides, non magnetic, part serp, minor white serpent.	"									
44	45		" as above.	723215	<2	5.0	4.0	6.0	1.0	5.0	2	100	360
45	46		" dk grn serpentinised, no heavies, non magnetic	"									
46	47		" as above	"									
47	48		" as above, grey-white clay, serp veins.	723216	<2	9.5	7.5	2.5	2.5	6.5	<2	92	400
48	49		" as above	"									
49	50		" as above -	"									
				723217	8	2.5	3.0	5.0	1.5	3.0	2	88	310

AIR PHOTO / DRAWING No.:

LOGGED BY: K.M. | MACHINE: HALLO | INCLINATION AT COLLAR: 45° | BEARING AT COLLAR: 140 | MAG./~~GRID~~

SAMPLE TYPE: PERC. CHIP | FIELD ENTRY BY: Ken | DATE: 21ST 85

PROSPECT OR PROJECT: HEATHERWOOD | AREA OR GRID NAME: PURCELLS PROSPECT

LINE No: MIDDLE | LOCATION ON LINE OR HOLE NUMBER: P11 | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

72034

72034

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

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FIELD ENTRY / LAB ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cr ppm
0	1		PYROXENITE, grey-grn, coarse, partly serpent., weakly magnetic	723200	<2	5.5	7.0	2.5	3.0	6.0	2	290	760
1	2		as above	"	~~2~~	~~3.0~~	~~3.5~~	~~4.0~~	~~1.5~~	~~2.0~~	~~<2~~		
2	3		PYROXENITE, olive-grey, coarse, minor serpent. minor serpent veinlets.	723201	2	3.0	3.5	4.0	1.5	2.0	<2	210	810
3	4		as above, tr. magnetite	"									
4	5		NO SAMPLE (CONTAMINATION)	—									
5	6		NO SAMPLE RETURNS	—									
6	7		PYROXENITE grn-brn, part serpent, tr. v.f. Nickel mineralisation on magnetic coarse, minor fines, no heavies	723202	4	5.0	8.0	1.5	2.0	5.0	2	~~340~~ 1360	~~1260~~ 1360
7	8		" as above + minor brown clay	"									
8	9		" less serpent, finer grained brnz-grn to grey-green.	723203	2	8.0	2.5	6.0	1.5	5.0	2	125	390
9	10		" Coarse & fine, minor serpent., white clay	"									
10	11		" as above	"									
11	12		" as above + minor dk grn serpent.	723204	4	14	6.0	4.0	1.5	6.0	2	400	610
12	13		" as above	"									
13	14		" abundant grey, grn, brnze pr on large serpent. frags, minor pyrite	"									
14	15		" green-bronze, minor dk grn serpent, no heavies.	723205	<2	5.5	3.0	2.0	1.5	6.0	<2	180	300
15	16		" as above	"									
16	17		" as above, minor magnetic ferrug. frags.	"									
17	18		" fresh, minor serpent. no heavies.	723206	<2	6.0	10	4.5	2.0	6.5	2	160	400
18	19		" as above	"									
19	20		" as above	"									
20	21		" coarse, relatively fresh, minor white serpent mins, clay.	723207	2	6.0	8.0	5.5	2.0	7.0	4	250	750
21	22		" dk green, part serpent, tr. magnetite	"									
22	23		" as above, no magnetite	"									
23	24		" as above, minor lt green serpent.	723208	<2	6.5	9.5	5.5	2.0	5.0	2	175	440
24	25		" as above	"									
25	26		" as above	"									
26	27		" as above, clayey	723209	<2	8.5	5.0	3.0	2.5	5.0	<2	105	310
27	28		" as above	"									
28	29		" as above	"									
29	30		" as above	723210	<2	8.0	5.0	6.0	1.5	5.0	<2	175	620
				CHECK SAMPLE									

MAP, AIR PHOTO, DRAWING No.:

LOGGED BY: K. MORRISON | MACHINE: HALCO | INCLINATION AT COLLAR: 45° | BEARING AT COLLAR: 140 | MAG./GRID

SAMPLE TYPE: PERC. CHIP | FIELD ENTRY BY: KM | DATE: 15/7/88

LAB. NOTES: | CHEMIST: | DATE: / /

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: PURCELLS PROSPECT

LINE No.: MIDDLE | LOCATION ON LINE OR HOLE NUMBER: PP1 | LOG PAGE 1 OF 2

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

[redacted] LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORAT[redacted]

FIELD ENTRY | LAB ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cu ppm	TUBE No.
23	24		PYROXENITE, grn, brn & dk grn, serpentinized, minor platy chalc. tr. M. in chrom.	723237										
24	25		" lt-dk grn, part serpent, minor dk grn serpent tr. v.f. M. in chromite	723238	<2	30	30	35	10	30	<2	270	170	
25	26		" as above	"										
26	27		" as above	"										
27	28		" part serpent, minor dk grn. serpent tr. wht. chalc. schistose	723239	<2	25	20	25	10	25	<2	330	220	
28	29		" as above	" DUP	<2	35	30	55	15	35	<2			
29	30		" as above, minor wht serpent, tr. lowlevel opaques	"										
30	31		brn grn, brn grn, tr. f-v.f. heavies	723240	<2	40	25	50	10	25	<2	240	400	
31	32		" as above, low level of serpent.	"										
32	33		" as above	"										
33	34		" as above, brn fe staining, oilacs, tr. magnetic trays	723241	<2	60	35	30	15	30	<2	250	570	
34	35		" as above	"										
35	36		" as above, tr. wht. serp. non magnetic, fe stained.	"										
36	37		" as above, tr. blk opaques	723242	2	35	20	25	10	25	<2	150	350	
37	38		" dk grn-brn green, minor contam. trays.	"										
38	39		" as above, fe stained part, minor wht serp. veins	"										
39	40		" as above	723243	<2	50	15	20	10	50	<2	330	250	
40	41		" as above	"										
41	42		" as above	"										
42	43		" dk grn, minor lt grn, part-wholly serpent. tr. blk opaques	723244	<2	40	15	55	10	30	<2	330	490	
43	44		" as above, fe stained.	"										
44	45		" as above	"										
45	46		SERPENTINITE, brn grn, oxid. in part, minor wht platy chalc. tr. f. opaques	723245	<2	45	10	25	10	30	<2	310	350	
46	47		" as above, probably part derived.	"										
47	48		" as above	"										
48	49		" as above	723246	<2	30	10	30	10	35	<2	300	310	
49	50		" as above	"										
50	51		" as above.	"										
			E.O.H.											

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY | MACHINE | INCLINATION AT COLLAR | BEARING AT COLLAR | MAG./GRID

SAMPLE TYPE | FIELD ENTRY BY: KM | DATE: 9/5/88

PROSPECT OR PROJECT | AREA OR GRID NAME

LINE No. | LOCATION ON LINE OR HOLE NUMBER | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES | CHEMIST | DATE: / /

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

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLE [redacted] E.L. [redacted] RAT[redacted]

FIELD ENTRY / LAB ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %	TUBE No.
0	1		SERPENTINITE, dk grn, dunite, pat derived, abund v f-m chromite, clay	723247	<2	3·0	1·5	2·0	1·0	3·0	<2	6·2	6·2	23
1	2		" as above, less chromite, minor chalcedony	"										
2	3		" as above, ferricrete frags, steel splinters	"										
3	4		" as above	723248	<2	2·5	1·5	4·0	1·0	3·0	<2	1·5	3·7	
4	5		PYROXENITE, grn, grey grn, minor serpent, tr v f chromite	"										
5	6		SERPENTINITE, dk grn, pat, lt grn, minor chalcedony, tr v f chromite	"										
6	7		" as above + ferricrete frags.	723249	<2	3·5	2·0	4·0	1·5	3·0	<2	5·2	4·5	
7	8		" mainly pat-derived, minor chalc. tr v f-f chromite	" Rep	<2	2·5	2·0	5·0	1·0	3·5	<2			
8	9		" as above, ferricrete staining	"										
9	10		" as above	723250	<2	4·0	1·5	2·5	1·0	3·0	<2	6·7	5·2	
10	11		PYROXENITE, grey grn - dk grn, part serpent + dk grn serpent, minor white chalc. ferricrete, tr v f chromite.	"										
11	12		" as above, 70% pat, 30% serpent.	723250										
12	13		SERPENTINITE, dk grn - black, fe stained + grey grn serpt pat, tr white chalc. tr v f chrom.	723251	2	3·0	1·5	2·5	0·5	3·0	<2	5·7	7·0	
				"										
13	14		PYROXENITE, grey grn, brown-dk grn, part serpent, minor chalc tr v f chrom	"										
14	15		" as above + common dk grn serpent with fe stain	723251										
15	16		" as above, minor serpent.	723252	<2	6·0	2·5	2·0	1·0	3·5	<2	2·5	5·0	
16	17		" grey brown to lt green fairly fresh - minor serpent, lt grn-white, minor dk grey. tr v f-f chrom.	"										
17	18		" as above, change in clay with colour - brown to grey.	"										
18	19		" as above	723253	<2	5·0	0·5	3·0	1·0	3·5	<2	3·2	9·7	
19	20		PYROXENITE grn grey brown to dk grn, serpentinised, minor dk grn serpent. tr v f-f chrom.	"										
20	21		" as above + minor white platy chalc.	"										
21	22		" as above	723254	<2	3·5	2·0	3·0	1·0	3·5	<2	4·0	7·0	
22	23		" as above.	"										
23	24		PELERITE? fine grn, graphic, equigranular, altered, px > plag, hard, dense	"										
24	25		" as above + dk grn serpent.	723255	<2	3·5	1·5	6·0	1·0	3·5	<2	3·4	5·0	
25	26		SERPENTINITE dk grn - brown-grey, black, minor pat, part serpent, tr v f chrom	"										

MAP, AIR PHOTO & DRAWING No.:

LOGGED BY: KM | MACHINE: HOLCO | INCLINATION AT COLLAR: 45° | BEARING AT COLLAR: 320° MAG/GRID

SAMPLE TYPE: PERC. CHIP | FIELD ENTRY BY: KM | DATE: 23/5/88

PROSPECT OR PROJECT: MEARLEWOOD | AREA OR GRID NAME: PURCELLS PROSPECT

LINE No: MIDDLE | LOCATION ON LINE OR HOLE NUMBER: PP4 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB NOTES: | CHEMIST: | DATE: / /

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

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING [redacted] E.L. [redacted] RAT[redacted]

FIELD ENTRY | LAB ENTRY

METALS EXPLORATION LIMITED

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni (ppm)	Cr (ppm)
26	27		PYROXENITE, grey grn, brown, coarse p.xt serpent, fe stained, minor dk grn serpent, [redacted] fr. v.f. chrom. fr. machine sted.	"									
27	28		PYROXENITE as above, more fresh grey brown pxt, fr v.f. chrom.	723256	<2	3	1.5	2.5	1.0	2.0	<2	175	440
28	29		" as above, pxt less serpent.	"									
29	30		" as above, pxt poorly serpent, minor white chalc.	"									
30	31		SERPENTINITE, dk brown - dk grn, dk grey grn + dk grn p.xt serpent pxt, minor chalc, lt. grn serpent fr v.f. chrom.	723257	<2	4.5	1.0	4.5	1.5	3.5	2	1400	450
31	32		" as above, subordinate fe staining, common wht chalc.	"									
32	33		PYROXENITE, dk brn, green, bronze grn fe stained p.xt fr heavily serpentized, v.f. fr v.f. chrom	"									
33	34		PYROXENITE, serpent, as above, fe staining + wht chalc.	723258	<2	4.5	1.0	2.0	1.5	3.5	<2	200	520
34	35		SERPENTINITE, lt grn - dk grn, mainly p.xt derived + grey brown - grn pxt, p.xt serpent, fr. v.f. chromite	"									
35	36		SERPENTINITE as above	"									
			E.O.H.										

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY:

MACHINE:

INCLINATION AT COLLAR:

BEARING AT COLLAR:

MAG./GRID

SAMPLE TYPE:

FIELD ENTRY BY:

DATE 23/5/88

CHECK SAMPLE

LAB NOTES:

CHEMIST:

DATE: / /

PROSPECT OR PROJECT:

AREA OR GRID NAME:

LINE No:

LOCATION ON LINE OR HOLE NUMBER: PS4

LOG PAGE 2 OF 2

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

[redacted] LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORIES

FIELD ENTRY | LAB. ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED, X=BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni	Cr
0	1		Mixture wd. cse.grained Pxt. fresh green Serpentinized Pxt.	723271	2	85	15	45	25	65	4	145	58
1	2		Olive grey to green grey (partly Serpt.) Pyroxenite.										
2	3		Olive grey cse.g. Pxt, some partly Serpentinized. Trace Py?										
3	4		Olive grey cse.g. Pxt, partly wd, partly Serpentinized (grain	723272	<2	55	60	35	20	75	4	210	510
4	5		Pale olive grey Pxt; med-dk grn Serpentinite, Acc. chromite										
5	6		" " " Essentially Fresh										
6	7		As above, trace contamination by orange hose fittings on [redacted] cyclone.	723273	<2	50	45	25	15	60	4	270	390
7	8		80% pale dl. grey Pxt, 20% med-dk grn. Serpt? ex Pxt?										
8	9		90% " " / 10% " " "										
9	10		As above. Few fragments white Serp. ex Veins?	723274	<2	45	12	35	20	75	4	310	306
10	11		"										
11	12		50% dl. grey Pxt, 50% green Serpt. ~5% white Serp? ex veins										
12	13		" As above	723275	<2	50	55	50	20	75	4	420	458
13	14		As above										
14	15		As above										
15	16		As above	723276	<2	30	70	65	15	70	4	510	443
16	17		85% dl. grey cse.g. Pxt + acc. chromite, 20% grn grey Serpt.										
17	18		As above										
18	19		As above	723277	<2	30	35	50	15	60	2	450	442
19	20		As above										
20	21		55% dl. grey cse.g. Pxt. 55% grn grey Serpt.										

TUBE No 154

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: W. HERRMANN | MACHINE: HARCO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 140° | MAG./[redacted]

SAMPLE TYPE: Percussion Chip. | FIELD ENTRY BY: | DATE 25/5/88

PROSPECT OR PROJECT: EL 21/85 HEAZLEWOOD | AREA OR GRID NAME: PURCELL'S

LINE No: | LOCATION ON LINE OR HOLE NUMBER: PP 5 | LOG PAGE 1 OF 3

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

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METALS EXPLORATION LIMITED

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FIELD ENTRY / LAB. ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.B UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cr ppm	TUBE No.
21	22		50% Bl. grey Pet. 50% grn grey Serpt.	723278	<2	3.5	4.0	2.5	1.5	6.5	4	6.10	4.30	
22	23		80% Bl. grey Pet. 20% grn grey Serpt.											
23	24		As above											
24	25		As above. Some pale brown argillic alt. on joint faces	723279	<2	8.5	5.5	3.5	3.0	7.5	4	320	340	
25	26		As above											
26	27		90% fresh olive grey Pet. 10% green Serpentinite											
27	28		As above	723280	<2	5.5	4.5	4.0	2.0	7.5	2	370	560	
28	29		As above											
29	30		As above.	Dup.	<2	5.5	4.0	4.0	2.0	7.5	2			
30	31		As above, minor 1% laminar downy quartz ex veins	723281	<2	7.0	5.0	4.5	1.5	8.0	4	460	520	
31	32		80% olive grey Pet, 20% v.f.g. dk grn-black Serpt. ± high magnetite content (est: 10% Mt.) ex limits?											
32	33		80% olive grey Pet ± acc. chromite, 20% grn grey Serpt. Weak argillic coating on joint surfaces											
33	34		As above. More significant argillic indicating part. ex.	723282	<2	4.5	1.0	3.0	1.5	7.0	4	410	460	
34	35		As above.											
35	36		Considerable brown clay indicating broken zone and incipient weathering. Otherwise as above.											
36	37		As above	723283	<2	3.5	6.0	2.5	1.0	7.0	2	430	680	
37	38		"											
38	39		"											
39	40		"	723284	<2	4.5	2.5	3.0	3.0	7.0	2	480	560	
40	41		"											
40	42		"											

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: Purcells

LINE No: LOCATION ON LINE OR HOLE NUMBER: PP5 LOG PAGE 2 OF 3

CHECK SAMPLE

LAB. NOTES: CHEMIST: DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

[redacted]

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FIELD ENTRY | LAB ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cu ppm
42	43		As for interval 35-36 m.										
43	44		" "	723285	<2	50	30	20	15	70	4	620	550
44	45		" "										
45	46		As above										
46	47		As above, about 5/. vein quartz.	723286	<2	30	30	50	15	75	2	120	910
47	48		" "										
48	49		As above										
49	50		"	723287	<2	35	75	40	20	75	2	960	570
50	51		"										
51 m. E.O.H													

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: Purcells

LINE No. | LOCATION ON LINE OR HOLE NUMBER: PP 5 | LOG PAGE 3 OF 3

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

[redacted] SAMPLE LOCATION [redacted] ILS A[redacted] IGHL[redacted] FIDE[redacted] — [redacted] FOR [redacted] LY F[redacted] MPL[redacted] ING [redacted] E.L. [redacted] RATE[redacted]

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FIELD ENTRY / LAB ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %	TUBE No.
0	1		PYROXENITE, dk grey grn - grey brn, pent serpent, minor t. v.f. chromite (contaminated)	723259	<2	55	1.5	3.5	10	30	<2	175	800	
1	2		" as above, more chromite	" Dup.	<2	60	25	30	15	30	<2			
2	3		" dk grn, coarse, pent serpent. tr v.f. chrom. (contaminated)	"										
3	4		PYROXENITE as above.	723260	<2	40	10	15	10	3.5	<2	190	320	
4	5		" , grey brn, grn pent serpent mainly frost, good tr v.f. chromite, non magnetic.	"										
5	6		PYROXENITE, grey grn. brn, minor wht - ltgrn. serpent tr v.f. chrom.	"										
6	7		" as above, mainly frost pet	723261	<2	3.5	2.0	2.0	1.0	3.0	<2	350	530	
7	8		" as above	"										
8	9		" dk grn, minor grey brn, ltgrn, pent serpent, tr. v.f. chrom.	"										
9	10		" grey brn + dk grn, coarse, pent serpent, minor serp. tr. v.f. chrom.	723262	<2	5.0	2.0	3.0	1.0	3.5	<2	350	470	
10	11		" as above, + minor white serpent frags	"										
11	12		" as above	"										
12	13		" as above	723263	<2	5.0	2.0	4.5	1.0	3.5	<2	360	430	
13	14		" as above, low level of serpent, minor white sticky serp	"										
14	15		" as above + fe oxide staining, tr. white chalc.	"										
15	16		" brn. beige, dk grey pent serpent, heavily oxid, tr. v.f. chrom.	723264	<2	5.0	1.0	3.0	1.0	5.0	2	310	440	
16	17		" as above [redacted]	"										
17	18		" as above. + common banded wht. chalc.	"										
18	19		" as above	723265	<2	3.5	2.5	4.0	1.0	3.0	<2	350	340	
19	20		" as above, pet coarse brown, oxid. wht chalc.	"										
20	21		" dk brn, grey brn, heavily oxid, pent serp tr. v.f. chrom. common minor wht chalc.	"										
21	22		PYROXENITE as above, non chalc.	723266	<2	4.5	4.5	2.5	1.0	3.5	<2	150	370	
22	23		" as above, common wht. chalc. tr v.f. chrom.	"										
23	24		" mainly brn/grey brn, coarse, minor fine, slightly serpent, non mag.	"										
24	25		" as above, moderately oxidised (fe stained)	723267	<2	3.5	3	3.0	1.5	4.0	<2	470	520	
25	26		" as above, minor wht - ltgrn serp. tr. v.f. chrom.	"										
26	27		" as above + minor dk grn serp pet.	"										
27	28		" brn, dk grey beige, pent serpent (common wht silica rock) oxid tr v.f. chrom	723268	<2	4.0	5.0	2.0	1.0	3.5	<2	440	130	

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: KM | MACHINE: HYLCO | INCLINATION AT COLLAR: 45° | BEARING AT COLLAR: 320° MAG./GRID

SAMPLE TYPE: | FIELD ENTRY BY: | DATE: 24/5/88

PROSPECT OR PROJECT: HERZLEWOOD | AREA OR GRID NAME: FORRESTS PROSPECT

LINE No: MIDDLE | LOCATION ON LINE OR HOLE NUMBER: PP6 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB NOTES: | CHEMIST: | DATE: / /

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

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. [redacted] LABORATORIES

FIELD ENTRY / LAB ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.B. UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cr ppm	TUBE No.
28	29		PYROXENITE, brn, dk grey brown, coarse, part serpent, common silica stringers, tr. v.f. chromite	723268								22	454	
29	30		" as above, heavily fe stained	"										
30	31		" dk brn, brn, dk grey, mainly coarse part serpent, moderately oxidised, minor wk chalc. wk lty serp. tr. v.f. chromite	723269	<2	45	2.5	25	15	35	<2	370	450	
			(Dupl.)		<2	55	10	10	10	30	<2			
31	32		PYROXENITE as above, mainly bronzite; minor fg. v.f. serp.	"										
32	33		" as above, wk lenses rock mag	"										
33	34		" as above tr. v.f. chromite, minor chalc.	723270	<2	60	2.5	50	10	35	2	300	670	
34	35		" as above, common wk bended chalc. tr. v.f. chrom.	"										
35	36		" as above, mildly calc. tr. v.f. chrom, minor serpent	"										
			E.O.H.											

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: Kay

MACHINE:

INCLINATION AT COLLAR:

BEARING AT COLLAR:

MAG./GRID

SAMPLE TYPE:

FIELD ENTRY BY:

DATE: 24/5/88

PROSPECT OR PROJECT:

AREA OR GRID NAME: SORRELLS PROSPECT

LINE No:

LOCATION ON LINE OR HOLE NUMBER: PP

LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES:

CHEMIST:

DATE: / /

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

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — [redacted] FOR [redacted] ONLY [redacted] SAMPLE [redacted] DING [redacted] E.L. [redacted] RAT [redacted]

FIELD ENTRY LAB. ENTRY

METALS EXPLORATION LIMITED

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; x=BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cr ppm	TYPE No.
0	1		Olive grey stony clay, stongs & typical pale d.grey c.g. Pyroxenite.	723288	<2	4.5	1.5	3.5	1.5	6.0	2	220	360	
1	2		As above, becoming gritty.	"										
2	3		90% fresh olive grey c.g. Pyroxenite. 10% green serpentinised Pxt.	"										
3	4		As above, trace drusy transparent vein qtz. (1%)	723289	<2	4.5	1.5	11	2.5	5.5	2	175	300	
4	5		As above, without quartz.	"										
5	6		80% fresh olive grey c.g. Pyroxenite, 20% serpentinized Pxt.	"										
6	7		50% olive grey fresh Pxt. 50% grn grey Serpt. ex Pxt?	723290	<2	4.0	3.0	3.5	1.5	6.5	2	240	400	
7	8		70% med. green grey Serpentinized Pxt, 30% m.g. Pxt.	" dup.	<2	4.5	2.0	3.0	1.5	6.0	2			
8	9		As for interval 6-7 m	"										
9	10		70% d. grey c.g. Pxt. 30% greengrey Serpt. ex Pxt? Brown argillic	723291	<2	4.5	2.5	3.0	2.0	7.0	2	210	360	
10	11		as above	"										
11	12		90% fresh olive grey px - 10% serpentinite	"										
12	13		as above - moderately to strongly weathered.	723292	<2	6.0	3.0	3.0	2.0	7.0	2	320	470	
13	14		as above 30% clay	"										
14	15		as above 10% clay	"										
15	16		similar to (12-13) 50% clay	723293	4	9.0	2.0	4.0	2.5	11	6	240	450	
16	17		80% px - 20% serpte - trace drusy quartz	"										
17	18		as above	"										
18	19		as above - trace serp. veins.	723294	<2	11	2.5	2.5	2.5	9.0	4	240	340	
19	20		as above	"										
20	21		as above	"										
21	22		as above - minor drusy quartz	723295	<2	6.5	3.0	3.0	1.5	8.0	4	180	270	
22	23		90% fresh olive grey px. 10% serpte (ex px?)	"										
23	24		as above	"										
24	25		as above	723296	<2	7.5	1.5	2.0	2.5	6.5	4	170	320	
25	26		as above - trace drusy vein quartz	"										

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: W. HERRMANN | MACHINE: HAGLO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 100° | MAG: [redacted]

SAMPLE TYPE: Percussion Chip. | FIELD ENTRY BY: | DATE: 25/5/88

PROSPECT OR PROJECT: EL 21/85 HEADLEWOOD | AREA OR GRID NAME: PURCELL'S

LINE No: | LOCATION ON LINE OR HOLE NUMBER: PP 7 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

[redacted] LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY [redacted]

FIELD ENTRY | LAB ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cu ppm
26	27		90% ~~grey~~ olive-grey px - 10% serp. - 5% laminated dressy quartz		723296									
27	28		as above - partially oxidised		723297	<2	75	2·0	3·0	1·5	8·0	4	220	250
28	29		as above		"									
29	30		as above - trace bronze from cyclone loss		"									
30	31		as above - partially oxidised		723298	<2	6·0	1·0	3·5	1·5	6·0	<2	200	310
31	32		as above - 2% vein quartz.		"									
32	33		as above		"									
33	34		as above - trace bronze contaminant.		723299	<2	8·0	1·0	5·5	1·5	9·5	4	400	490
34	35		as for (31-32)		"									
35	36		as above - moderately weathered - c 50% clay.		"									
36	37		as above		723300	<2	6·0	1·0	3·5	2·0	7·0	4	330	350
37	38		80% olive grey px - 15% serp'd px. - minor vein qtz.		dup.	<2	5·5	1·0	3·5	2·0	6·5	4		
38	39		as above		"									
39	40		60% olive grey px. 30% green-grey px, 5% blue-grey serp.		723301	<2	6·0	1·0	4·0	1·5	6·0	2	240	320
40	41		90% dk-grey px, 15% serp px 5% vein serp+qtz.		"									
41	42		90% fresh unaltered dk grey px, 10% med grained serp'd px		"									
42	43		as above - trace vein qtz.		723302	<2	7·0	<0·5	3·0	1·5	7·0	2	160	230
43	44		as for (41-42)		"									
44	45		as above		"									
45	46		as above		723303	<2	6·0	2·0	2·5	1·5	7·5	4	250	340
46	47		as for above		"									
47	48		90% olive grey px - 20% pale green serp - partially weathered		"									
48	49		as above - c. 50% clay		723304	<2	6·0	2·0	2·0	1·5	9·0	4	340	420
49	50		as above		"									
50	51		as above c. 20% clay.		"									
51	52		E.O.H		"									

MAP, AIR PHOTO OR DRAWING No.			
LOGGED BY: W. Herrmann	MACHINE: Halco	INCLINATION AT COLLAR: -45°	BEARING AT COLLAR: 140° MAG./~~GRID~~
SAMPLE TYPE: Percussion chips	FIELD ENTRY BY: J Keall	DATE: 25/5/88	
PROSPECT OR PROJECT: Hearlewood	AREA OR GRID NAME: Purcell's		
LINE No.: middle	LOCATION ON LINE OR HOLE NUMBER: PP7	LOG PAGE: 2 OF 2	

CHECK SAMPLE

LAB. NOTES:

CHEMIST:

DATE: / /

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

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FIELD ENTRY / LAB ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.B. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cr ppm	TUBE No
0	1		Brown - green/grey clay - strongly weathered px.	723305	<2	60	20	4.5	1.5	90	4	145	250	
1	2		80% fresh olive grey px (slight weathd) 20% serp^{d} px.	"										
2	3		80% unalt^{d} olive-grey px - 20% green-grey serp^{d} px.	"										
3	4		90% el grey px - 10% med grey serp^{d} px.	723306	<2	45	1.5	30	1.5	80	2	165	300	
4	5		as above	"										
5	6		as above - accessory chromite	"										
6	7		as above	723307	<2	55	10	50	1.5	75	4	230	370	
7	8		80% el grey px - sl. weathering 20% serp^{d} px	"										
8	9		90% el grey px - 10% med-dk green/grey serp^{d} px.	"										
9	10		as above	723308	<2	60	1.5	35	2.0	70	2	140	200	
10	11		as above	"										
11	12		as above - trace vein serp.	"										
12	13		as above	723309	<2	60	1.5	40	2.5	85	2	145	200	
13	14		as above - trace vein quartz	"										
14	15		70% el grey px - 30% dk green/grey serp^{d} px.	"										
15	16		as above - c 2% vein qtz.	723310	<2	80	2.5	35	1.5	70	4	175	250	
16	17		as above	" dup	<2	75	1.5	20	2.5	75	4			
17	18		as above - partially weathered.	"										
18	19		50% fresh px - 50% serp^{d} px - partially weathered.	723311	<2	70	2.5	40	2.0	65	4	230	410	
19	20		as above	"										
20	21		as above - minor vein qtz.	"										
21	22		90% unalt el-grey px - minor pale green/grey serp^{d} px.	723312	<2	12	2.5	40	2.0	16	8	170	290	
22	23		80% el-grey px - 20% serp^{d} px.	"										
23	24		as above	"										
24	25		as above - trace vein qtz.	723313	<2	11	4.5	55	2.0	80	2	155	230	
25	26		as above - trace vein qtz	"										
26	27		90% unalt^{d} el-grey px - 10% pale green/grey serp^{d} px.	"										
27	28		as above	723314	<2	90	3.0	35	2.0	85	4	140	230	
28	29		as above - accessory chromite	"										
29	30		as above	"										

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: W. HERRMANN | MACHINE: HALCO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 320° | MAG./GRID

SAMPLE TYPE: PERCUSSION CHIPS | FIELD ENTRY BY: J. Keall | DATE: 26/5/88

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: Purcell's

LINE No: MIDDLE | LOCATION ON LINE OR HOLE NUMBER: PP 8 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

[redacted] THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORIES [redacted]

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FIELD ENTRY / LAB. ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN p.p.m. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cr ppm
30	31		90% unaltd gl-gay px - 10% med-green grey serpd px	723315	2	55	20	35	1·5	6·5	4	1%	510
31	32		as above	"									
32	33		70% fresh gl-grey px - 30% serpd px - trace serp veins	"									
33	34		as above	723316	<2	60	1·5	1·5	1·0	6·0	4	195	250
34	35		90% fresh gl-grey px - 10% pale med grey serpd px	"									
35	36		as above - trace serp veins	"									
			E.O.H										

TUBE No. 4

MAP, AIR PHOTO or DRAWING No.

LOGGED BY: W. HERRMANN | MACHINE: HALCO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 320° MAG./GRID

SAMPLE TYPE: Percussion chips | FIELD ENTRY BY: J Keall | DATE: 26/5/88

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: Purcell's

LINE No: Middle | LOCATION ON LINE OR HOLE NUMBER: AP8 | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

[redacted] LOCATION DETAILS ARE HIGHLY CONFIDENTIAL - THIS FORM ONLY FOR SAMPLE LOGGING AND E.L. [redacted]

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FIELD ENTRY / LAB. ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cr ppm	TUBE No.
0	2		Brown clay becoming fresher - 50% px, 50% serp^{d} px	723317	<2	70	1.5	4.0	2.5	7.5	4	540	640	146
2	3		fresher - as above.	"										
3	4		as above - accessory chromite	723318	<2	65	3.0	2.5	1.0	6.5	4	370	450	
4	5		50% unalt^{d} dl-grey px 50% pale green serp^{d} px(?) - acc chrom	"										
5	6		70% dl-grey px - 30% serp^{te}	"										
6	7		as above - trace vein serp.	723319	<2	6.5	2.0	3.5	1.5	6.5	<2	350	390	
7	8		90% dl-grey px - 10% green-grey serp^{te} px(?) - trace vein serp.	"										
8	9		95% dl-grey px - 5% serp^{te}	"										
9	10		90% dl grey px - 10% pale green-grey serp.	723320	<2	6.0	1.0	3.0	1.0	6.0	2	270	330	
10	11		as above	dup	<2	5.0	1.5	4.0	1.5	5.5	2			
11	12		as above	"										
12	13		as above	723321	<2	6.5	2.5	3.0	1.0	6.0	2	420	450	
13	14		80% dl-grey px - accessory chrom - 20% dk green/grey serp^{d} px(?)	~~723322~~ "										
14	15		90% dl-grey px - 10% med green-grey serp^{te}	~~723323~~ "										
15	16		50% dl-grey px - 50% pale green-grey serp^{te} - slight ox'd?	723322								LNR	LNR	
16	17		80% dl-grey px - 20% serp^{te} - trace vein serp.	"										
17	18		as above	"										
18	19		as above	723323	<2	5.5	1.5	2.5	1.5	7.0	2	300	340	
19	20		50% unalt^{d} dl-grey px - 50% pale green-grey serp. - serp veins	"										
20	21		90% dl-grey px - 10% pale green-grey serp.	"										
21	22		as above	723324	<2	5.0	1.0	3.5	1.5	6.5	4	470	610	
22	23		80% dl-grey px - 20% pale green-grey serp^{te} - 2% serp veins	"										
23	24		50%/50% px/serp^{te} - 2% serp veins	"										
24	25		as above - slight weathering	723325	4	5.5	1.5	2.0	1.5	7.5	4	450	560	
25	26		80% dl-grey px, 20% med green-grey serp^{te}	"										
26	27		as above	"										
27	28		as above	723326	<2	5.0	3.5	4.5	1.5	7.5	2	350	440	
28	29		as above	"										
29	30		as above	"										
30	31		as above	723327	<2	6.0	2.5	2.5	1.5	5.5	2	440	610	

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: W. HERRMANN | MACHINE: HALCO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 320° | MAG./~~GRID~~

SAMPLE TYPE: Percussion chips | FIELD ENTRY BY: J. Kell | DATE: 29/5/88

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: Purcell's

LINE No: MIDDLE | LOCATION ON LINE OR HOLE NUMBER: PPq | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB NOTES: | CHEMIST: | DATE: / /

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

[redacted]

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FIELD ENTRY / LAB. ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %	TUBE No.
31	32		80% of grey px - 20% med. green-grey ~~ring~~ ^ite - slight weathering	723327	<2	60	2.5	2.5	1.5	5.5	2			1744
32	33		as above											
33	34		as above	723328	<2	65	1.5	4.0	1.0	6.0	<2			
34	35		as above											
35	36		as above											
			E.O.H.											

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: W. HERRMANN | MACHINE: HALCO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 320° | MAG / ~~GRID~~

SAMPLE TYPE: PERCUSSION CHIPS | FIELD ENTRY BY: J. KEALL | DATE: 29/5/89

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

LINE No: MIDBLG | LOCATION ON LINE OR HOLE NUMBER: APG | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

[redacted] SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY [redacted]

FIELD ENTRY / LAB ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni (ppm)	Cu (ppm)	TUBE No.
0	2		Brown clay - becoming fresher - px^{te} + serp^{ite}	723329	<2	3.5	1.5	2.0	1.5	6.0	4	550	600	
2	3		50% dl. grey px - 50% dk green-grey serp^{ite} - acc chromite	"										
3	4		as above	723330	<2	8.5	4.0	2.5	2.5	6.0	4	350	400	
4	5		90% pale dl-grey px - 10% dk green-grey serp^{ite}	"										
5	6		as above - med. green grey serp.	"										
6	7		80% dl-grey px - 20% dark green-grey serp^{te} (px?) - acc chrom.	723331	<2	4.5	2.0	4.0	2.0	6.0	2	350	630	
7	8		v. fine grained hard dk grey rock (??) possibly dyke(??) dunite(??)	" dup	<2	6.5	4.0	3.5	2.0	6.0	2			
8	9		as above - non-magnetic - moderate qtz veining.	"										
9	10		70% as above - 30% dl green-grey px.	723332	2	4.0	2.5	1.0	1.5	8.5	4	700	450	
10	11		50/50 "dunite" (??) / px.	"										
11	12		Dominantly grey px - slight weathering.	"										
12	13		as above - minor vein qtz.	723333	2	5.5	1.5	2.0	2.0	7.0	2	270	230	
13	14		Pale grey-brown px - slight dk grey veins - slight weathering.	"										
14	15		as above	"										
15	16		as above - trace vein serp + qtz	723334	<2	5.5	2.0	2.5	1.5	6.0	2	250	340	
16	17		as above	"										
17	18		as above	"										
18	19		90% px — 10% dk brownish/black "dunite") - similar to (7-8)	723335	<2	5.0	1.5	2.5	1.5	6.0	<2	320	440	
19	20		as above 5% serpentinite	"										
20	21		Pale brown/grey px - sl oxidised + brecciated	"										
21	22		as above	723336	<2	4.5	2.0	3.5	2.0	5.5	2	350	610	
22	23		as above - trace vein qtz	"										
23	24		50% px : 50% med. dk green-grey serp^{te} (px?)	"										
24	25		as above	723337	<2	3.5	1.5	2.5	2.0	5.0	2	300	400	
25	26		80% dl-grey px, 20% pale green/grey serp^{ite} - acc chrom	"										
26	27		as above	"										
27	28		as above - 5% serp. veins.	723338	<2	6.5	2.0	2.0	1.5	7.5	4	2[illegible]0	340	
28	29		as above	"										
29	30		70% dl-grey px - 30% pale green/grey serp^{ite} (px?)	"										
30	31		as above	723334	<2	6.5	1.5	3.5	2.0	8.0	4	300	250	
				CHECK SAMPLE										

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: T. Keall W. HERRMANN

MACHINE: Longyear

INCLINATION AT COLLAR: −45°

BEARING AT COLLAR: 140° MAG./GRID

SAMPLE TYPE: PERCUSSION CHIPS

FIELD ENTRY BY: T. Keall W. Herrmann DATE: 28/5/88

LAB. NOTES:

CHEMIST:

DATE: / /

PROSPECT OR PROJECT: HEAZLEWOOD

AREA OR GRID NAME: PURCELL'S

LINE No: MIDDLE

LOCATION ON LINE OR HOLE NUMBER: AP10

LOG PAGE: 1 OF 2

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

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLE [redacted] ING [redacted] E.L. [redacted] RAT[redacted]

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FIELD ENTRY / LAB. ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.B. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cr ppm	TUBE No.
31	32		80% dl-grey px - 20% green-grey serp^{te} (ex.px?) - trace (serp/qtz) veinlets	723339	<2	65	15	35	20	80	4	"	"	55
32	33		as above - no qtz veins											
33	34		as above	723340	<2	75	05	25	25	75	4	200	230	
34	35		as above											
35	36		as above											
36	37		70% dl-grey px - 20% green-grey serp^{te} px(?) 10% serp veins	723341	<2	75	10	15	15	75	4	260	300	
37	38		80% dl-grey px - 20% green-grey serp. (px?)	" dup	<2	65	10	30	15	80	2			
38	39		as above											
39	40		as for (36-37) - moderate clay content	723342	<2	65	10	20	15	65	4	200	420	
40	41		as above - slight weathering											
			E.O.H. - Lost circulation downhole.											

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: W. HERRMAN | MACHINE: Halco | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 140° | MAG./GRID:

SAMPLE TYPE: Percussion chips | FIELD ENTRY BY: J KEAU | DATE: 28/5/85

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: Aurelli's

LINE No: Middle | LOCATION ON LINE OR HOLE NUMBER: PP10 | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING [redacted] E.L. [redacted] RAT[redacted]

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FIELD ENTRY / LAB. ENTRY

LINE CO-ORDINATE FROM	TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN ppb UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cr ppm	TUBE No.
0	1		Weathered pyroxenite and serpentinite - traces chromite	723343	<2	6·0	1·0	4·5	1·5	6·0	2	480	1100	
1	2		as above											
2	3		50% serpentinised dunite, 50% pyroxenite - rare magnetite											
3	4		60% serpentinised dunite, 40% pyroxenite - trace pyrite(?)											
4	5		Harzburgite: 80% serpentinised dunite, 20% pyroxene	723344	<2	4·5	1·5	2·0	1·5	6·5	4	960	400	
5	6		as above - with traces of siliceous vein material											
6	7		as above - serpentinite forming on fracture surfaces											
7	8		50% serpentinised olivine, 50% grey-green pyroxene	723345	<2	5·5	2·0	2·0	1·5	6·5	4	720	320	
8	9		60% pyroxene, 40% olivine											
9	10		as above											
10	11		70% pyroxene, 30% serpentinised olivine	723346	<2	7·5	2·5	2·5	2·0	7·0	2	320	170	
11	12		as above - traces serpentine vein material											
12	13		as above											
13	14		as above - slight increase in serpentinisation	723347	<2	5·0	6·5	2·5	1·5	8·0	2	260	340	
14	15		as above											
15	16		as above											
16	17		80% pyroxene, 20% olivine - slightly fresher	723348	<2	5·0	3·0	4·0	1·5	7·0	4	390	800	
17	18		60% pyroxene, 40% olivine - olivine is serpentinised											
18	19		as above											
19	20		80% pyroxene, 20% serpentinised olivine	723349	<2	6·5	4·5	2·0	1·5	6·5	4	410	350	
20	21		90% green-grey pyroxene, 10% serpentinised olivine											
21	22		as above											
22	23		as above - traces of silica veining	723350	<2	9·5	5·5	3·0	2·0	7·5	4	320	330	
23	24		as above - more weathered with serpentinite veining											
24	25		similar to (22-23)											
25	26		as above	723351	<2	9·0	3·0	3·5	1·5	7·0	4	320	340	
26	27		as above	dup.	<2	7·0	3·0	2·0	2·0	7·0	4			
27	28		as above											
28	29		as above - serpentinisation along fractures	723352	<2	6·0	3·0	5·0	2·0	7·0	4	340	550	
29	30		as above - slight Fe-oxidation											

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: J. KEALL | MACHINE: HALCO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 140 | MAG / ~~GRID~~

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: J.K. | DATE: 31/5/88

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: AURELLE PROSPECT

LINE No: MIDDLE | LOCATION ON LINE OR HOLE NUMBER: AP 11 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

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FIELD ENTRY / LAB ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.B. UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cu ppm	TUBE No.
30	31		90% pyroxene, 10% serpentinised olivine - slight weathering, traces											
31	32		as above	723353	2	70	90	40	2.5	8.0	4	280	650	
32	33		as above, slight increase in serpentinisation											8
33	34		Similar to (31-32) - some silica veining containing fine black mineral											
34	35		as above - slight increase in serpentinisation	723354	<2	5.5	4.5	4.5	1.5	8.0	2	420	470	
35	36		as above - traces of very fine sulphide (?)											
36	37		90% pyroxene, 10% serpentinised olivine - slight weathering											
37	38		As above	723355	<2	4.5	4.5	3.0	1.5	8.0	2	300	350	
38	39		as above - traces silica veining											
39	40		as above											
40	41		80% pyroxene, 20% serpentinised olivine	723356	<2	6.5	6.0	4.5	1.5	8.5	4	430	540	
41	42		as above - some serpentinised vein material											
42	43		similar to (40-41)											
43	44		as above - slightly less serpentinisation	723357	2	6.5	4.0	3.0	2.0	8.0	4	450	430	
44	45		as above											
45	46		as above											
46	47		90% pyroxene, 10% serpentinised olivine - traces of sulphide	723358	2	75	4.0	1.5	2.0	5.5	2	300	400	
47	48		as above (no sulphides detected)											
48	49		as above - some serpentinised vein material											
49	50		as above - slight surficial weathering											
50	51		as above	723359	<2	6.0	3.0	3.5	2.0	8.0	2	330	340	
51														
			END OF HOLE											

CHECK SAMPLE

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: J. KEALL | MACHINE: HALCO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 140° | MAG./GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: J.K. | DATE: 31/5/88

LAB. NOTES: | CHEMIST: | DATE: / /

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: PURCELLS PROSPECT

LINE No: MIDDLE | LOCATION ON LINE OR HOLE NUMBER: AP11 | LOG PAGE 2 OF 2

LOG & ANALYTICAL REPORT Sheet No. of A/O

[redacted] SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — [redacted] FOR [redacted] ONLY [redacted] SAMP[redacted]DING [redacted].E.L. [redacted]RAT[redacted]

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FIELD ENTRY / LAB ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS in ppb UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cu ppm	TUBE No
0	2		Weathered pyroxenite and serpentinite	723360	<2	4·5	5·0	3·5	2·5	5·5	2	320	1000	
2	3		70% pyroxene, 30% serpentinised (dark grey-green) olivine											
3	4		80% pyroxene, 20% serpentinised olivine											
4	5		as above - traces sulphides(?)	723361	<2	6·5	4·0	4·0	2·0	7·0	2	530	350	
5	6		similar to (3-4)	dup	<2	4·5	4·0	5·0	2·0	6·5	4			
6	7		as above											
7	8		slightly fresher	723362	<2	5·0	4·5	4·5	2·0	6·5	2	550	400	
8	9		as above											
9	10		70% pyroxene, 30% serpentinised olivine											
10	11		as above - increase in serpentinisation - yellow oxidation	723363	<2	5·5	3·5	4·0	3·0	8·5	4·2	450	430	
11	12		as above - pyroxene slightly serpentinised											
12	13		as above.											
13	14		slightly fresher - primary olivine present	723364	<2	6·5	5·5	5·5	2·5	8·5	4	500	500	
14	15		80% pyroxene, 20% serpentinised olivine											
15	16		as above - traces magnetite											
16	17		as above	723365	<2	6·5	5·5	4~~5~~	2·0	8·0	4	450	450	
17	18		as above											
18	19		as above - slight increase in weathering											
19	20		as above	723366	<2	5·5	4·0	3·0	2·0	6·5	<2	270	300	
20	21		as above											
21	22		as above - slightly coarser grained											
22	23		as above	723367	<2	7·0	5·0	3·0	2·5	7·0	2	250	330	
23	24		as above											
24	25		slightly fresher											
25	26		Similar to (23-24) - ~~dark~~ red-brown (limonitic?) stain on cleavages	723368	<2	7·5	4·5	2·5	2·5	8·5	2	440	370	
26	27		As above											
27	28		as above - vein serpentine ~ 5%											
28	29		as above	723369	<2	5·0	6·5	5·0	2·5	8·5	2	460	430	
29	30		90% pyroxene, 10% olivine - about 20% of total serpentinised											
30	31		80% pyroxene, 20% serpentinised olivine	723370	<2	6·0	4·5	4·5	2·0	7·0	2	350	420	

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: J. KEALL | MACHINE: HALCO | INCLINATION AT COLLAR: −45° | BEARING AT COLLAR: 320° | MAG./~~GRID~~

SAMPLE TYPE: PERCUSSION CHIPS | FIELD ENTRY BY: J.K | DATE: 1/6/88

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: PURCELLS PROSPECT

LINE No: MIDDLE | LOCATION ON LINE OR HOLE NUMBER: PP12 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

[redacted] LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY / LAB. ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB & P.P.M. UNLESS OTHERWISE STATED, x = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %	TUBE No.
31	32		80% pyroxene, 20% serpentinised olivine	723370	<2	6.0	4.5	4.5	20	70	2	1	"	
32	33		as above											
33	34		as above											
34	35		as above											
35	36		as above - traces of vein serpentine	723371	<2	6.5	3.5	4.5	25	80	2	366	510	
				dup	<2	4.0	4.0	5.5	25	80	2			
			END OF HOLE											

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: J Keall | MACHINE: Hanco | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 320° MAG./GRID

SAMPLE TYPE: Percussion chips | FIELD ENTRY BY: J Keall | DATE: 1/6/88

PROSPECT OR PROJECT: Henzlewood | AREA OR GRID NAME: Purcells Prospect

LINE No: Model | LOCATION ON LINE OR HOLE NUMBER: PP12 | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLE LOGGING [redacted] E.L. [redacted] RAT[redacted]

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FIELD ENTRY / LAB. ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cu ppm	TUBE No.
0	2		clay-rich, strongly oxidised, weathered pyroxene	723372	<2	6·0	14	3·5	2·5	8·0	4	35c	175c	
2	3		80% slightly serpentinised pyroxene, 20% silvery black scp^{d} olivine									40c		
3	4		as above - traces serpentine vein material + chromite											
4	5		70% pyroxene, 30% serpentinised olivine - 2 pyroxenes present	723373	<2	5·0	6·5	4·5	2·0	8·5	6·0	40c	60	
5	6		70% dark grey green pyroxene, 30% serpentinised olivine											
6	7		as above											
7	8		as above	723374	<2	4·0	3·5	3·0	2·0	8·0	6	42c	60c	
8	9		80% pyroxene, 20% serpentinised olivine											
9	10		as above											
10	11		as above - traces serpentine vein material	723375	<2	7·0	1·5	2·0	2·0	8·5	4	47c	47c	
11	12		as above											
12	13		70% pyroxene, 30% serpentinised olivine traces silica veining											
13	14		as above - slight yellow resin coating on serpentine	723376	<2	9·0	3·5	3·5	3·0	6·5	4	44c	60c	
14	15		as above											
15	16		as above - slight contamination suspected											
16	17		as above - slightly fresher	723377	<2	6·0	4·5	3·0	1·5	6·5	4	41c	70c	
17	18		as above											
18	19		as above											
19	20		as above	723378	2	6·0	3·5	5·5	3·0	9·0	4	35c	70c	
20	21		as above - surficial serpentinisation on cleavage faces											
21	22		as above											
22	23		as above	723379	<2	5·0	3·5	4·5	2·0	9·0	6	27c	50c	
23	24		as above - slight increase in serpentinisation											
24	25		as above - traces of silica veining											
25	26		80% pyroxene, 20% serpentinised olivine	723380	<2	6·0	3·0	4·0	2·0	8·5	6	33c	50c	
26	27		as above - traces serpentine veining											
27	28		as above - slight contamination possible											
28	29		as above " "	723381	<2	6·0	5·5	4·0	1·5	8·5	4	33c	55c	
29	30		as above		<2	6·5	3·0	7·5	2·0	9·5	6			
30	31		as above	723382										
				CHECK SAMPLE										

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: J. KEALL | MACHINE: HALCO | INCLINATION AT COLLAR: 320 | BEARING AT COLLAR: -45° MAG./GRID

SAMPLE TYPE: PERCUSSION CHIPS | FIELD ENTRY BY: J. KEALL | DATE: 2/6/95

LAB. NOTES: | CHEMIST: | DATE: / /

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: PURCELLS PROSPECT

LINE No: MIDDLE | LOCATION ON LINE OR HOLE NUMBER: PP 13 | LOG PAGE 1 OF 2

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

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORIES

FIELD ENTRY | LAB. ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cu ppm	TUBE No.
31	32		80% pyroxene, 20% serpentinised olivine - trace vein serp.	723382	<2	5·0	2·5	6·0	2·0	8·5	6			
32	33		as above - slight increase in serpentinisation											
33	34		as above											
34	35		as above - slight iron oxidation											
35	36		as above - vein serpentine present	723383	<2	6·0	3·0	6·5	2·0	7·5	4			
			END OF HOLE											

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: T. KEALL | MACHINE: HALCO | INCLINATION AT COLLAR: 320° | BEARING AT COLLAR: -45° MAG/GRID

SAMPLE TYPE: PERCUSSION CHIPS | FIELD ENTRY BY: T.K.E.A.L.L. | DATE: 2/6/83

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: PURCELLS PROSPECT

LINE No: MIDDLE | LOCATION ON LINE OR HOLE NUMBER: PP 13 | LOG PAGE 2 OF 2

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

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORIES

FIELD ENTRY | LAB ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cu ppm	TUBE No.
0	2		weathered and serpentinised pyroxenite	723384	4	7·0	3·0	4·5	2·5	8·0	64	400	610	
2	3		as above											
3	4		70% pyroxene, 30% serpentinised olivine - traces chromite											
4	5		as above - traces vein serpentine	723385	2	7·0	3·5	6·5	2·0	8·5	6	360	550	
5	6		80% pyroxene, 20% serpentinised olivine											
6	7		90% pyroxene, 10% serpentinised olivine											
7	8		as above	723386	<2	5·5	5·0	3·5	3·0	7·0	4	450	690	
8	9		increase in serpentinisation											
9	10		as above - traces of vein silica											
10	11		as above - slightly fresher	723387	2	6·0	5·0	5·0	2·5	7·5	4	450	650	
11	12		as above - surfacial serpentinisation of cleavage/fracture											
12	13		slightly fresher											
13	14		as above	723388	<2	6·5	4·5	4·0	2·0	8·5	4	450	500	
14	15		as above - traces vein serpentine											
15	16		as above - traces uphole material											
16	17		70% pyroxene, 30% serpentinised olivine, some vein serp.	723389	<2	6·5	5·0	7·5	2·0	8·5	4	430	660	
17	18		80% pyroxene, 20% serpentinised olivine - slight weathering											
18	19		as above - brown surface on serpentine veins											
19	20		80% pyroxene (grey-black, fresh), 20% serpentinised olivine	723390	<2	5·5	3·0	4·5	2·0	9·5	6	430	570	
20	21		as above											
21	22		as above											
22	23		as above - traces serpentine veins	723391	<2	7·0	4·5	4·5	1·5	9·5	4	210	470	
23	24		similar to (22-23)	dup	<2	6·0	2·5	6·0	2·0	8·0	4			
24	25		as above - traces vein serpentine											
25	26		as above	723392	<2	5·5	2·5	4·5	2·0	7·5	4	290	410	
26	27		as above											
27	28		as above											
28	29		five pyroxene - dark grey-green, traces light green-brown	723393	<2	6·0	3·5	3·0	1·5	7·5	6	200	430	
29	30		as above											
30	31		as above	723394	2	5·0	2·5	7·5	1·5	9·0	6			

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: J. KEALL | MACHINE: HALCO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 140° | MAG./GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: J. KEALL | DATE: 4/6/88

PROSPECT OR PROJECT: HERA/LUCKWOOD | AREA OR GRID NAME: PURCELLS PROSPECT

LINE No: MIDDLE | LOCATION ON LINE OR HOLE NUMBER: PP 14 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMP[redacted]OIN[redacted]LE L[redacted]ORA[redacted]

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FIELD ENTRY | LAB ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %	TUBE No
31	32		80% pyroxene (grey-green), 20% serpentinised olivine	723394	2	5·0	2·5	7·5	1·5	9·0	6	27C	43C	
32	33		as above											
33	34		as above											
34	35		as above, trace vein serpentine	723395	<2	2·0	7·0	2·5	1·0	4·5	<2	29C	3·0	
35	36		as above, increase in vein serpentine											
36	37		as above - brown surficial serpentine											
37	38		as above - slightly fresher	723396	<2	4·0	1·5	3·5	1·0	6·0	2	38C	35C	
38	39		as above											
39	40		as above											
40	41		as above	723397	<2	5·5	2·5	7·0	1·0	8·0	4	35C	<3C	
			END OF HOLE											

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: J. KEAN | MACHINE: HAULO | INCLINATION AT COLLAR: ~~-90°~~ -45° | BEARING AT COLLAR: 140° | MAG / ~~GRID~~

SAMPLE TYPE: PERCUSSION CHIPS | FIELD ENTRY BY: J KEAN | DATE: 4/6/88

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: PURCELL PROSPECT

LINE No: MIDDLE | LOCATION ON LINE OR HOLE NUMBER: PP 14 | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

[redacted] CONTENTS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY [redacted]

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FIELD ENTRY / LAB. ENTRY

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X= BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cu ppm	TUBE No.
	0	2		Green, weathered pyroxenes - trace chalcedonic mat.	723398	<2	7·0	5·0	3·5	1·0	7·5	6	240	650	
	2	3		similar	"										
	3	4		Green grey pyroxenes, slightly serpentinised.	723399	<2	6·0	2·5	4·0	2·5	8·5	6	260	470	
	4	5		Pyroxenite: grey-green & olive green. trace vein serp^te.	"										
	5	6		" similar	"										
	6	7		" - blue green & yellow green crystals.	723400	<2	5·0	1·5	4·5	1·5	7·0	4	310	450	
	7	8		Pyroxenite 90% pyroxene, 10% olivine - slightly serp^d	"										
	8	9		" similar	"										
	9	10		" similar	723401	<2	4·5	3·5	4·0	1·0	9·0	6	320	460	
	10	11		slight increase in serpentinisation - trace vein silica.	" dup	<2	5·0	3·0	3·0	2·0	9·5	6			
	11	12		" similar	"										
	12	13		" similar	723402	<2	6·0	2·0	3·5	2·0	7·0	4	190	360	
	13	14		" similar - trace vein serpentine	"										
	14	15		slightly less serpentinised - traces of chromite	"										
	15	16		Pyroxenite - similar	723403	2	8·5	2·0	4·0	1·5	8·0	4	210	330	
	16	17		" similar	"										
	17	18		" similar	"										
	18	19		" similar	723404	<2	4·0	2·5	3·0	1·0	8·0	6	290	330	
	19	20		" similar	"										
	20	21		" similar	"										
	21	22		Pyroxenite - slight weathering ⇒ limenite along fractures	723405	<2	4·5	1·5	6·0	0·5	6·5	4	260	390	
	22	23		similar	"										
	23	24		Pyroxenite: 90% px, 10% serp^d olivine	"										
	24	25		" - traces of weathering	723406	<2	3·0	1·0	3·5	2·0	7·5	4	260	320	
	25	26		" - trace vein silica	"										
	26	27		" similar to (24-25)	"										
	27	28		" similar	723407	<2	5·0	5·0	3·0	1·0	7·0	6	260	350	
	28	29		" similar	"										
	29	30		" similar	"										
	30	31		" simila	723408	<2	5·5	3·5	4·0	1·5	9·0	6	240	290	

AP, AIR PHOTO R DRAWING No.:

LOGGED BY: J Keall | MACHINE: HALCO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 140° | MAG / GRID

SAMPLE TYPE: Percussion chips | FIELD ENTRY BY: J Keall | DATE: 6/6/88

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

LINE No: MIDDLE | LOCATION ON LINE OR HOLE NUMBER: AP 15 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO A.E.L. LABORATORIES

FIELD ENTRY / LAB. ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %	TUBE No
31	32		Pyroxenite c. 90% px, 10% serpentinite (post of ?)	723408	~~<2~~	~~5.0~~	~~1.5~~	~~2.5~~	~~1.0~~	~~8.0~~	~~4~~	2.0C	2.7C	
32	33		" similar	"										
33	34		" slightly weathered	723409	~~<2~~	~~5.0~~	~~1.5~~	~~2.5~~	~~1.0~~	~~8.0~~	~~4~~	N.L. 2.2C	N.L. 3.5C	
34	35		" similar	"			NO ANALYSIS							
35	36		" similar	"										
36	37		" similar	723410	~~<2~~	~~3.0~~	~~4.0~~	~~2.5~~	~~1.5~~	~~8.0~~	~~4~~	2.5C	3.2C	
37	38		" similar	"	<2	5.0	1.5	2.5	1.0	8.0	4			
38	39		" similar	"										
39	40		Harzburgite : 70% pyroxene, 30% olivine	723411	~~<2~~	~~5.0~~	~~3.5~~	~~3.0~~	~~2.0~~	~~8.5~~	~~4~~	3.7C	5.3C	
40	41		" similar	"	<2	3.0	4.0	2.5	1.5	8.0	4			
41	42		" : slightly weathered along fractures	"										
42	43		" similar	723412	<2	5.0	3.5	3.0	2.0	8.5	4	3.7C	4.3C	
43	44		" similar	"										
44	45		" similar	"										
45	46		" increase in serp.	723413	<2	4.0	2.0	4.5	1.0	6.5	2	3.0	3.7C	
46	47		" trace vein serpentine	"										
47	48		" similar	"										
48	49		" increase in serp. veins	723414	2	4.0	3.0	4.0	1.5	8.5	6	3.6C	7C	
49	50		" similar	"										
50	51		" similar to (47-48)	"										
			E. O. H.											

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: J. Keall | MACHINE: HALCO | INCLINATION AT COLLAR: −45° | BEARING AT COLLAR: 140° | MAG./GRID:

SAMPLE TYPE: Percussion chips | FIELD ENTRY BY: J. Keall | DATE: 6/6/88

PROSPECT OR PROJECT: | AREA OR GRID NAME: PURCELLS

LINE No: MIDDLE | LOCATION ON LINE OR HOLE NUMBER: AP 15 | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL - [redacted] FOR [redacted] ONLY [redacted] AMP[redacted] GOING [redacted] M.E.L. LABORATORY

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FIELD ENTRY / LAB. ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cu ppm	TUBE No.
0	3		Weathered, clay-rich - recognisable grey-green px	723416	<2	5·5	2·0	3·5	1·5	6·0	2	170	420	
3	4		Harzburgite (?) 80% px 20% serpentinite (post or ?)	723417	2	5·5	5·0	4·0	3·0	9·5	6	340	460	
4	5		similar - traces magnetite, rare chromite	"										
5	6		" serpentine + silica veining	"										
6	7		Pyroxenite: fresh, dark green crystals - trace vein serp.	723418	2	7·5	6·0	5·0	2·5	9·0	6	230	470	
7	8		" similar	"										
8	9		" slight limonitic staining.	"										
9	10		" "	723419	2	6·5	7·0	7·0	2·5	8·0	4	210	290	
10	11		" similar	"										
11	12		" similar	"										
12	13		" veins of serpentine + silica	723420	2	6·0	6·5	2·5	2·0	8·5	4	220	350	
13	14		" "	"										
14	15		" increase in chalcedonic material (c. 5%)	"										
15	16		" slight limonite stain along fractures	723421	<2	5·5	5·0	4·5	2·0	6·5	4	240	350	
16	17		" similar	"										
17	18		" similar	"										
18	19		" similar - trace serpentine veins	723422	<2	9·0	3·0	5·5	2·0	7·5	4	250	440	
19	20		" estimated 30% serpentinite	" dup	<2	5·5	2·5	4·5	2·0	6·5	4			
20	21		" slightly fresher	"										
21	22		" slightly weathered	723423	<2	5·5	4·0	5·5	2·0	8·5	4	220	350	
22	23		" "	"										
23	24		Harzburgite (?) 80% px, 20% olivine	"										
24	25		" trace vein serpentinite	723424	<2	4·0	4·5	6·5	2·0	7·5	4	470	350	
25	26		" possible uphole contamination	"										
26	27		" similar	"										
27	28		Pyroxenite, very fresh.	723425	<2	4·5	4·5	4·5	2·0	7·5	6	420	370	
28	29		50% Pyroxenite : 50% serpentinite	"										
29	30		70% pyroxene, 30% olivine - c 2% chromite	"										
30	31		Harzburgite: 70% px, 30% slightly serpentinised ol (?)	723426	<2	5·5	5·0	5·0	2·0	8·0	4	150	420	
31	32		" 80% px 20% "	"										

MAP, AIR PHOTO OR DRAWING No:

LOGGED BY: J. Keall | MACHINE: HALCO | INCLINATION AT COLLAR: -45° B200 | BEARING AT COLLAR: 320° | MAG./GRID:

SAMPLE TYPE: percussion chips | FIELD ENTRY BY: J Keall | DATE: 11/6/88

PROSPECT OR PROJECT: HERZLEWOOD | AREA OR GRID NAME: PURCELLS

LINE No: MIDDLE | LOCATION ON LINE OR HOLE NUMBER: AA 16 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL [redacted]

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FIELD ENTRY / LAB. ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
32	33		Harzburgite 80% px (fresh) 20% sl. serp'd ol.	723426									
33	34		similar	723427	<2	5·0	5·5	6·0	2·5	9·0	4	1%	350
34	35		Similar	"									
35	36		similar	"									
			E. O. H.										

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: J. Keall | MACHINE: HARCO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 320° MAG./~~GRID~~

SAMPLE TYPE: Percussion chips | FIELD ENTRY BY: J. Keall | DATE: 11/6/88

PROSPECT OR PROJECT: HERZLEWOODS | AREA OR GRID NAME: PURCELLS

LINE No: MIDDLE | LOCATION ON LINE OR HOLE NUMBER: DP16 | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

[redacted] SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL [redacted] FOR [redacted] ONLY [redacted] SAMPLE [redacted] ING [redacted] E.L. [redacted] RATION [redacted]

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FIELD ENTRY / LAB ENTRY

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu ppm	TUBE No.
	0	3		weathered clay passing into serpentinised harzburgite	723428	<2	4·0	5·5	5·0	2·0	7·0	4	830	500	69
	3	4		simila 60% pyroxene, 40% lightly serp^{d} ol - 1% chromite	723429	<2	3·0	3·0	5·0	2·0	9·0	4	1000	370	
	4	5		Harzburgite - slight increase in serpentinisation		"									
	5	6		" 70% px, 30% serp^{d} ol		"									
	6	7		" simila	723430	<2	2·5	4·0	5·0	2·0	7·5	4	840	360	
	7	8		" simila		"									
	8	9		" simila		"									
	9	10		" simila	723431	<2	2·0	5·0	5·5	2·0	8·0	4	1040	350	
	10	11		" 80% px, 20% serp^{d} olivine		"									
	11	12		" traces serp. veins		"									
	12	13		" simila	723432	<2	5·0	7·0	4·5	1·5	7·5	4	720	540	
	13	14		Pyroxenite - serp. veining present.	dup	<2	4·5	4·0	7·5	2·0	8·0	4			
	14	15		" 70% fresh px, 30% serpentinite (post px?)		"									
	15	16		" similar	723433	<2	3·0	3·0	4·5	2·0	9·5	4	900	350	
	16	17		" simila c. 2% chromite		"									
	17	18		" 80% fresh.		"									
	18	19		" serp. veining	723434	<2	4·5	4·0	5·0	2·0	7·5	4	380	370	
	19	20		" similar		"									
	20	21		" 90% fresh, 10% serpentinite (ol?)		"									
	21	22		" c. 1% chromite	723435	<2	5·5	4·5	5·5	2·0	8·0	4	250	300	
	22	23		" simila		"									
	23	24		" similar		"									
	24	25		" increase in serpentinite to 20% - limonitic stain.	723436	<2	5·0	3·5	4·5	2·0	7·5	4	410	440	
	25	26		Harzburgite 70% px, 30% serp^{d} ol.		"									
	26	27		" simila		"									
	27	28		" 80% px, 20% sl. serp^{d} ol.	723437	<2	6·0	4·0	4·5	3·0	7·0	4	260	350	
	28	29		" trace vein serpentine		"									
	29	30		" slight weathering & limonitic stain.		"									
	30	31		" simila	723438	<2	5·0	3·0	3·0	4·0	7·0	4	230	340	
	31	32		" serpentine & silica veining.		"									

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: J. Keall | MACHINE: HALCO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 140° | MAG ~~GRID~~

SAMPLE TYPE: Percussion chips | FIELD ENTRY BY: J. Keall | DATE: 14/6/88

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: PURCELLS

LINE No: TOP (LINE C) | LOCATION ON LINE OR HOLE NUMBER: AP 17 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

[redacted] HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING [redacted] LABORA[redacted]

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FIELD ENTRY / LAB ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cr ppm
32	33		Harzburgite 60% px, 20% serp[n] & (?)	723438									
33	34		" Similar	723439	<2	3·0	3·5	1·5	0·5	6·0	2	240	490
34	35		" Similar	"									
35	36		" Similar	"									
36	37		" Similar	723440	2	5·0	5·0	3·5	2·5	8·5	4	290	570
37	38		" Similar	"									
38	39		" Similar	"									
39	40		" Similar	723441	<2	5·0	3·5	5·0	2·0	8·0	4	330	650
40	41		" slight increase in serp[n], vein silica + serp.	"									
41	42		" Similar	"									
42	43		Pyroxenite : 90% fresh, black & yellow/green px.	723442	<2	5·5	4·0	3·0	2·0	8·5	6	230	450
43	44		" Similar	" dup	<2	5·0	3·0	2·5	1·5	7·5	4		
44	45		" Similar	"									
45	46		" slight weathering.	723443	<2	6·0	3·5	3·5	2·0	6·5	4	195	320
46	47		" Similar	"									
47	48		" Similar	"									
48	49		" Similar	723444	<2	5·5	2·5	2·5	1·5	7·5	4	220	390
49	50		" Similar	"									
50	51		" Similar	"									
			E. O. H.										

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: J. Keall | MACHINE: Halco | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 140° | MAG./GRID:

SAMPLE TYPE: Percussion chips | FIELD ENTRY BY: J. Keall | DATE: 14/6/88

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

LINE No: TOP (LINE C) | LOCATION ON LINE OR HOLE NUMBER: AP 17 | LOG PAGE 2 OF 2

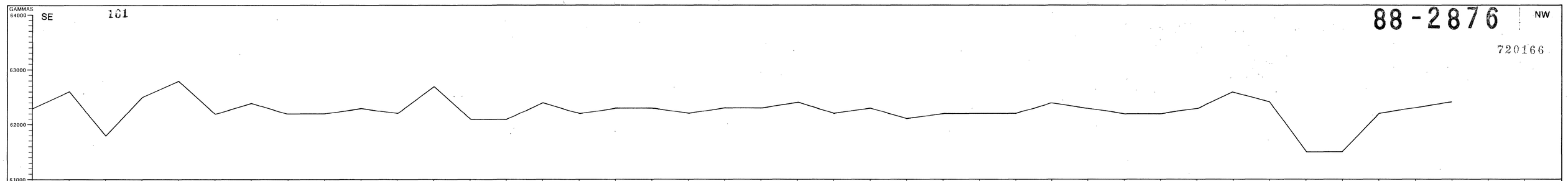
CHECK SAMPLE

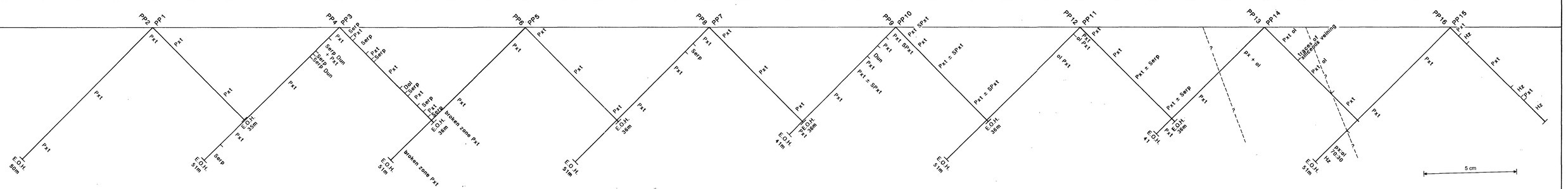
LAB NOTES: | CHEMIST: | DATE: / /

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

88-2876

720166





LEGEND

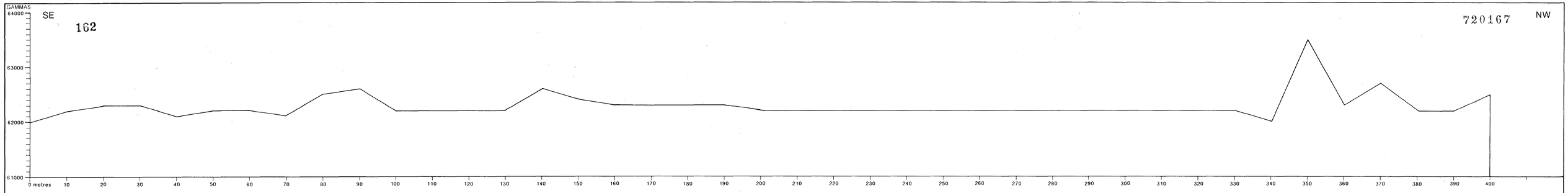
Pxt	Pyroxenite
Serp,S	Serpentinite, serpentinized
Dol	Dolerite
Hz	Harzburgite
ol	Olivine
px	Pyroxene

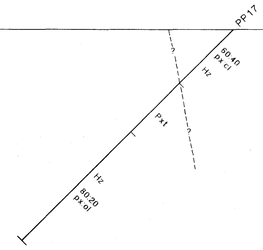
METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85
Tasmania

Title: PURCELLS PROSPECT
DRILL SECTION
& MAGNETIC PROFILE
LINE DS1

Author	P.B.	Date	11/88	Scale	1:500
Drawn	S.L.C.	Office	PER	Revised	Date
Drawing No	02/HZ/5/13				Fig. No





5 cm

88-2876

0 5 10 15 20 25
metres

LEGEND

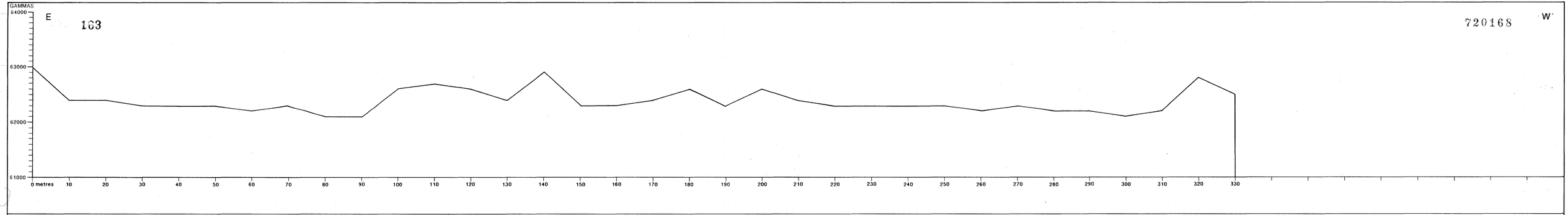
Pxt	Pyroxenite
Serp.S	Serpentinite serpentinized
Dol	Dolerite
Hz	Harzburgite
ol	Olivine
px	Pyroxene

METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85
Tasmania

Title: PURCELLS PROSPECT
DRILL SECTION
& MAGNETIC PROFILE
LINE DS2

Author	P.B.	Date	11/88	Scale	1:500
Drawn	S.I.C.	Office	PER	Revised	Date
Drawing No.	02/HZ/5/14				Tag No.



5 cm

88-2876

0 5 10 15 20 25
metres

LEGEND

Pxt	Pyroxenite
Serp.S	Serpentinite, serpentinized
Dol	Dolerite
Hz	Harzburgite
ol	Olivine
px	Pyroxene

METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85
Tasmania

Title:
PURCELLS PROSPECT
MAGNETIC PROFILE
LINE DS3

Author	P.B.	Date	11/88	Scale	1:500
Drawn	S.L.C.	Office	PER	Revised	Date
Drawing No.	02/HZ/5/12				Fig. No.

356,000E

5,408,000 N

"A" 408·03 "A"
Wide
407·61
408·18
407·99
408·03
410·63
415·67
E 3·0
419·03
418·21
417·01
410·36
401·80
397·89
401·16
Track
403·05
405·24
406·25
406·46
406·34
Purcells
403·97
403·65
403·54
402·50
399·35
397·70
of
393·88
392·52
391·19
388·32
386·13
381·27
380·29
319·97
318·79
317·30
316·02
315·38
313·65
313·03
311·94
310·60
311·95
368·61
Top of Gulley
368·38
359·27
367·84
Top of Gulley
359·16
349·73
347·57
352·08
351·46
352·32
352·12
351·14
351·38
Road to Corinna

5,407,000 N

356,000 E

E900
485·63 Spot on Line 4
⊠ 485·34 Ref Peg (768)
E 1000 & Line 4
484·96
484·81
484·46
484·12
Line 4
Wide
482·38
481·00
E800
476·29 ℄ of Costean
Line 3
E 1000 & Line 3
Ref Peg (749)
⊠ 476·19
477·80
477·75
476·85
418·94
E850
Purcells Prospect
473·77
472·31
See Drawing 8841-6 for Enlargement
467·10 Spot on Line 2
Line 2
Compass
E 3·0
E 1000 & Line 2
℄ of Costean
468·71
467·74
469·60
468·45
470·39
E850
456·48 ℄ of Costean
Line 1
E 1000
466·45
466·23
E 1000 & Line 1
459·26
Track
463·23
461·98
E 1000
457·82
456·84
⊠ 453·07 Ref Peg (769)
453·03
426·90
449·21
455·59
450·97
℄ of old access track through to Caudrys Pad
Start of Track
445·56
443·59
Purcells
439·24
437·80
437·21
436·79
436·64
436·07
of
434·57
433·90
431·82
430·00
426·38
425·34
425·65
418·29
A"
417·45
413·41
A"
409·89

720169

5 cm

Refer NOTE on Drawing 8841-1

7754

BROOKS LACK & CARRICK
LAND & ENGINEERING SURVEYORS
8 WARNEFORD ST, SOUTH HOBART PH.(002) 23 5666

PURCELL TRACK
and GRID LINE LOCATION

SCALE 1:2,000		DRAWING NO
DRAWN Wake	DATE MAY 1988	8841-5
APPROVED		NO OF SHEETS

720170

APPENDIX 3

CAUDRYS PROSPECT

354,000 E

355,000 E

356,000 E

357,000 E

5,409,000 N

5,408,000 N

5,407,000 N

"CAUDRYS PROSPECT"

"PURCELLS PROSPECT"

See Drawing 8841-4 for further Detail

Caudrys Grid Location See Drawing 8841-2

Caudrys Pad Detail See Drawing 8841-3

See Drawing 8841-6 for further Detail

See Drawing 8841-1 for further Detail

See Drawing 8841-5 for further Detail

Track

Track

Caudrys

Purcells

Corinna Road

Corinna

AMG NORTH

720171

5 cm

7751

BROOKS LARK & CARRICK
LAND & ENGINEERING SURVEYORS
9 WARNEFORD ST. SOUTH HOBART PH.(002) 23 5666

CAUDRYS AND PURCELLS PROSPECTS
MAP LOCATIONS

SCALE 1:5000	DRAWING No
DRAWN D Walker DATE MAY 1988	8841-0
APPROVED D Walker	No OF SHEETS

355,750 E

5,409,000 N

5,408,750 N

355,500 E

355,250 E

AMG NORTH

302.58 Star on Corner of 00E 100N

297.37

288.75

283.89 ¢ of Small Creek

284.63 Stake 100E 100N

309.24

332.55 Stake 200E 100N

345.83

360.23 ¢ of track

362.30 star bar at corner of 300E 100N

339.93

278.67

251.63 Star at Corner of 00E 00N

255.66

253.93 ¢ of small creek

271.71 ¢ of old track

274.66 ¢ of old water race

284.79 stake 100E 00N

297.79

301.92 ¢ of old track

CAUDRYS PAD
✳ See Drawing 8841-3 ✳
for Enlargement

312.71

312.28 ¢ of pad

318.38 star bar at corner of 300E 00N

311.95 ¢ of old water race

310.74 ¢ of old access track from Parcel 15

350.65 stake 400E 00N

356.10

356.62

397.43 end of cleared line 500E

315.37 Spike at corner of 500E 00N

249.86 ¢ of small creek

247.85

317.44

317.47

Edge of Caudrys Pad

313.19

311.82

309.09

305.85

307.02

306.72

304.74

301.19

See Drawing 8841-4
for further Detail.

242.60 ¢ of track

242.79 Stake 100E & 100S

239.29

214.70 ¢ of Caudrys Creek

214.61 ¢ of trench

211.15 stake 200E 100S

288.80-290.23 Track

296.84

Caudrys

289.25

285.27

289.71

350.11 stake 400E 100S

389.15

389.46

387.86 spike on corner of 500E 100S

221.76 ¢ of Caudrys Creek

227.35 star bar at corner of 00E & 200S

285.53

¢ of Caudrys track

292.70 star bar at corner of 200E 200S

251.54

257.25 Stake 100E & 200S

264.81 ¢ of old track

354.56 stake 300E 200S

356.91

373.48

368.83 stake 400E 200S

See Drawing 8841-1
for further Detail.

5 cm

Refer NOTE on Drawing 8841-1

726172 7752

BROOKS LARK & CARRICK
LAND & ENGINEERING SURVEYORS
9 WARNEFORD ST, SOUTH HOBART PH (002) 23 5666

CAUDRYS GRID LOCATION

SCALE 1:1000		DRAWING NO
DRAWN D Walker	DATE MAY 1985	8841-2
APPROVED L Kitson		NO OF SHEETS

355,550E

355,600E

355,650E

5,408,750 N

5,408,700 N



720173 7753

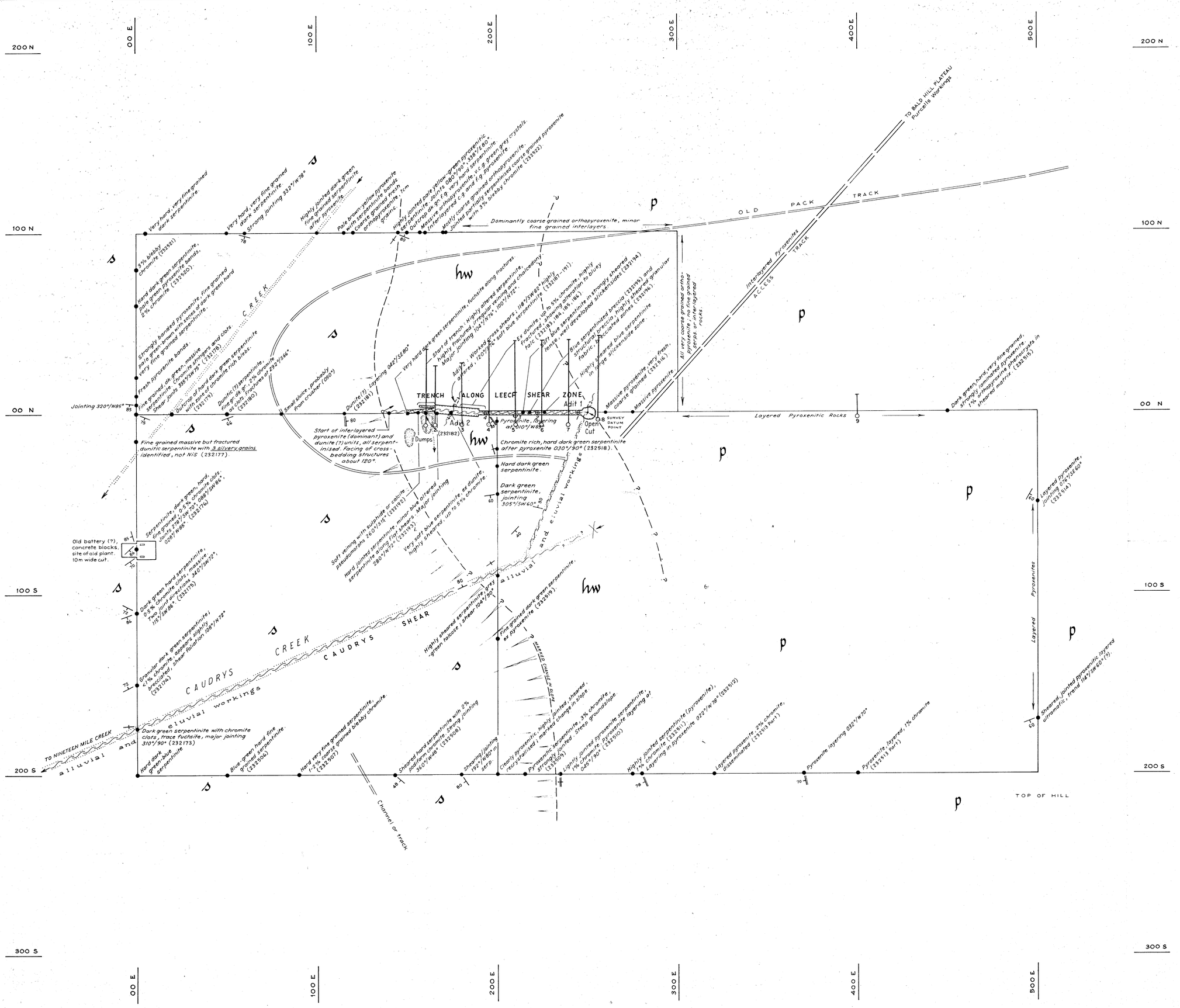
BROOKS LARK & CARRICK
LAND & ENGINEERING SURVEYORS
9 WARNEFORD ST. SOUTH HOBART PH.(002) 23 5666

CAUDRYS PAD DETAIL

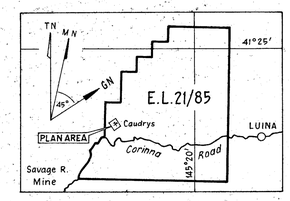
SCALE 1:200	DRAWING NO
DRAWN D.Walker DATE MAY 1988	8841-3
APPROVED	NO OF SHEETS

APPENDIX 3A

DRILL HOLE LOCALITY PLAN WITH GEOLOGY

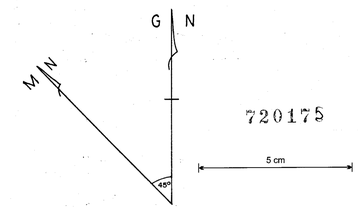


LOCATION MAP



LEGEND

- p — PYROXENITE: Mostly massive and interlayered pyroxenite, mostly coarse grained.
- hw — HARZBURGITE AND OLIVINE WEBSTERITE: Variably serpentinised.
- s — SERPENTINITE: Very hard, fine grained dark green serpentinite (after dunite-pyroxenite-harzburgite).
- ● (232154) — Sample locality and number, and strike/dip location in some cases.
- Geological boundary, approx. position
- Shear zone
- 57 — Strike and dip, as described.
- 69 — Strike and dip of layering.
- Cut line for geological mapping.
- Creek, approximate position.
- O CP1-9 — Percussion drill hole (1988 programme)
- ⊕ CYP1-4 — Percussion drill hole (1987 programme)



88-2876

METALS EXPLORATION LIMITED

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

CAUDRYS WORKINGS

DRILLHOLE LOCATIONS

SCALE 1:1000

7755

Prepared by Simon Dodd, May 1986
Drawn by C.R.M. Revised: 10-88

FIGURE

Drg.No 02/HZ/2/22

APPENDIX 3B

DRILL LOGS, ASSAYS

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL THIS FORM ONLY FOR SAMPLES USING

:TALS EXPLORATION LIMITED

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FIELD ENTRY / LAB. ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X=BELOW DETECTION LIMIT (ppb) Au	At	Pd	Ru	Rh	Ir	Os	Ni (ppm)	Cr (ppm)	TUBE No.
	3		Serpentinite - weathered (post ol?)	723612	<2	5	3	10	3	2	2	2300	400	
	4		similar	723613	<2	10	4	10	3	4	4	170	370	
	5		Weathered + serpentinised pxite(?).	"										
	6		similar	"										
	7		Harzburgite 50% px, 50% olivine	723614	<2	3	1	4	2	0	<2	1620	330	
	8		" - strongly weathered } Shear zone	"										
	9		" - trace vein serpentine } Shear zone	"										
	10		" similar	723615	<2	2	3	8	2	5	2	1980	270	
	11		" similar	"										
	12		Dunite: 90% slightly serp^d ol	"										
	13		" similar	723616	<2	3	7	9	3	4	2	1820	440	
	14		" similar - fine grained.	"										
	15		" trace serpentine veining	"										
	16		" 2% magnetite - trace chromite	723617	<2	3	2	6	2	3	2	1690	300	
	17		Harzburgite 50% serp^d ol, 50% al. serp^d px (bottle green)	"										
	18		" similar	"										
	19		" similar	723618	<2	6	2	8	2	3	<2	1720	280	
	20		" trace vein serp.	"										
	21		" similar	"										
	22		" similar	723619	<2	2	3	6	2	5	2	1800	210	
	23		" similar	"										
	24		" similar	"										
	25		" slightly weathered - 2% magnetite	723620	<2	1	2	8	2	4	<2	2000	430	
	26		" similar	"										
	27		" similar	"										
	28		" similar	723621	<2	2	4	5	2	4	<2	1760	250	
	29		Pyroxenite - bottle green px - slightly serp^d	"										
	30		" similar	"										
	31		" similar	723622	<2	2	2	5	2	4	<2	1680	210	
	32		" similar	"										

AIR PHOTO / DRAWING No.:

LOGGED BY: J. Keall | MACHINE: HALCO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 045° | MAG./GRID

CORE SIZE TYPE: Percussion chips | FIELD ENTRY BY: J. Keall | DATE: 21/6/88

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: CAUDRY's

LINE No.: 1 | LOCATION ON LINE OR HOLE NUMBER: CA1 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

METALS EXPLORATION LIMITED

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FIELD ENTRY | LAB. ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au (ppb)	Pt (ppb)	Pd (ppb)	Ru (ppb)	Rh (ppb)	Ir (ppb)	Os (ppb)	Ni (ppm)	Cr (ppm)
32	33		Pyroxenite - bottle greens grey brown	723621								1680	210
33	34		" similar	723623	<2	2		8	2	7	2	1880	145
34	35		Harzburgite 80% px, 20% olevine	"									
35	36		" (20% serpentinite)	"									
36	37		" simila	723624	<2	1	3	4	2	4	<2	1420	200
37	38		" similar	"									
38	39		" trace vein serp., slight weathering	"									
39	40		" 20% vein serp	723625	<2	2	3	6	2	2	<2	1420	245
40	41		" 5% vein serp - slight weathering	"									
41	42		" slightly serp^d	"									
42	43		" similar	723626	<2	2	2	5	3	5	2	1800	88
43	44		" similar	"									
44	45		" 2% chromite, 1% magnetite	"									
45	46		Harzburgite c. 20% dk grey serp^d olevine	723627	<2	4	3	8	2	5	<2	1860	72
46	47		" similar	"									
47	48		Pyroxenite : 90% bottle green px (slightly serp^d)	"									
48	49		" similar	723628	<2	1	3	4	2	2	<2	1720	58
49	50		" similar	"									
50	51		" : trace sulphides(?) - yellow fleck in pan.	"									
51	52		" : no sulphides(?) detected	723629	<2	3	3	8	2	6	2	1900	80
52	53		" similar	"									
53	54		" c. 1% chromite	"									
54	55		" similar	723630	<2	3	2	6	3	7	2	1880	88
55	56		" similar	"									
56	57		" simila	"									
57	58		" simila	723631	<2	2	3	8	2	5	3	1880	180
58	59		" simila	"									
59	60		" simila	"									
			E.O.H										

MAP, AIR PHOTO / DRAWING No.

LOGGED BY: J. Keall | MACHINE: HALCO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 045° | MAG. ~~GRID~~

SAMPLE TYPE: Percussion Chip | FIELD ENTRY BY: J. Keall | DATE: 21/6/88

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: CAUSEY'S

LINE No: 1 | LOCATION ON LINE OR HOLE NUMBER: CA1 | LOG PAGE 2 OF 2

CHECK SAMPLE

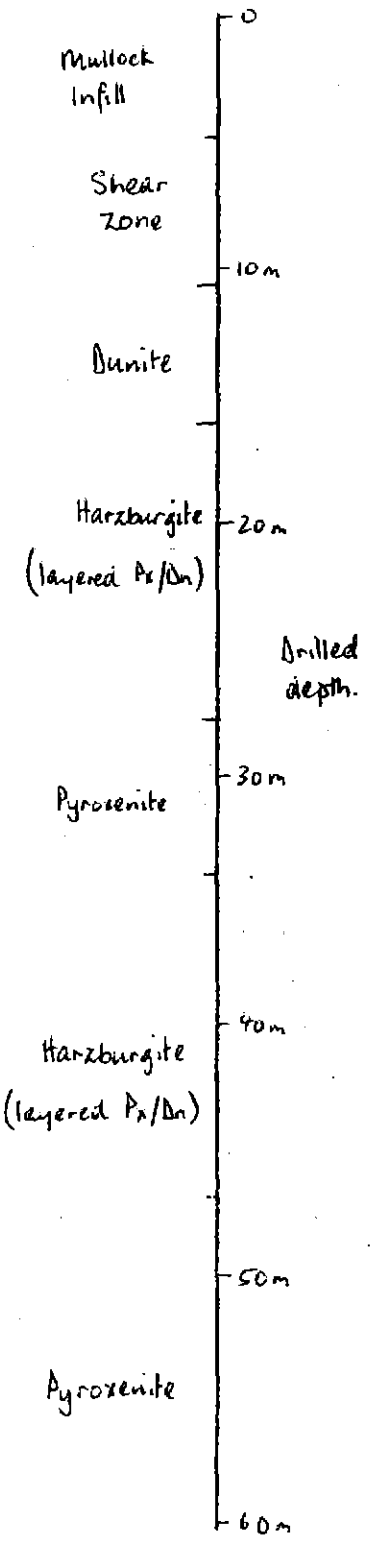
LAB. NOTES: | CHEMIST: | DATE: / /

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

FOR SAMPLES GOING TO M.E.E. LABORATORY

170 Col

720179



Analyses in ppb

Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
<2	5	3	10	3	2	2	·23	·04
<2	10	4	10	3	4	4	·02	·04
<2	3	1	4	2	0	<2	·16	·03
<2	2	3	8	2	5	2	·20	·03
<2	3	7	9	3	4	2	·18	·04
<2	3	2	6	2	3	2	·17	·03
<2	6	2	8	2	3	<2	·17	·03
<2	2	3	6	2	5	2	·18	·02
<2	1	2	8	2	4	<2	·20	·04
<2	2	4	5	2	4	<2	·18	·03
<2	2	2	5	2	4	<2	·17	·02
<2	2	2	8	2	7	2	·17	·02
<2	1	3	4	2	4	<2	·19	·01
<2	2	3	6	2	2	<2	·14	·02
<2	2	2	5	3	5	2	·18	·01
<2	4	3	8	2	5	<2	·18	·01
<2	1	3	4	2	2	<2	·17	·01
<2	3	3	8	2	6	2	·19	·01
<2	3	2	6	3	7	2	·19	·01
<2	2	3	8	2	5	3	·19	·01

Drillhole azimuth 045° Mag.
Drillhole inclination -45°

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FIELD ENTRY | LAB. ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN p.p.m. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au (ppb)	Pt (ppb)	Pd (ppb)	Ru (ppb)	Rh (ppb)	Ir (ppb)	Os (ppb)	Ni (ppm)	Cr (ppm)
0	3		Strongly weathered serpentinite	723632	<2	4	4	12	3	4	<2	1860	970
3	4		similar - possibly post dunite	723633	<2	3	2	24	2	4	2	1920	540
4	5		Dunite - moderately serpentinised 1% mag. tr chrom	"									
5	6		" - trace serp. veining - slight weathering	"									
6	7		Dunite - c. 10% px	723634	16	4	5	7	3	9	6	2050	300
7	8		" 1% mag, 1% chromite	"									
8	9		Harzburgite 80% serp olivine, 20% px } Shear zone	"									
9	10		" similar }	723635	<2	3	3	9	2	5	2	2000	290
10	11		" similar c. 5% white vein serp.	"									
11	12		Dunite (?) - moderately serpentinised	"									
12	13		" similar 1% magnetite - trace chromite	723636	<2	4	6	4	2	3	<2	1840	370
13	14		" similar	"									
14	15		" similar	"									
15	16		Harzburgite: 70% serp olivine, 30% px	723637	<2	2	3	5	2	5	2	1740	230
16	17		" 80% ol, 20% px	"									
17	18		" similar	"									
18	19		" - very rare chromite	723638	2	2	3	6	2	5	2	1780	185
19	20		Dunite - 100% serp olivine	"									
20	21		" trace vein serp.	"									
21	22		" similar	723639	<2	3	4	8	2	5	4	1980	310
22	23		" similar	"									
23	24		" similar	"									
24	25		" similar	723640	<2	2	4	5	2	3	2	1800	300
25	26		" similar	"									
26	27		" similar	"									
27	28		" similar	723641	<2	2	3	4	1	3	2	1700	190
28	29		" increase in serpentinisation	"									
29	30		" c. 10% px	"									
30	31		Harzburgite 80% olivine (serp'd), 20% px	723642	<2	2	3	5	2	1	<2	1260	250
31	32		Harzburgite (?) 50% serpentinite (post ol?) 50% serp'd px	"									

CHECK SAMPLE									

MAP, AIR PHOTO / DRAWING No.:

LOGGED BY: J. Keall | MACHINE: HALCO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 045° | MAG./~~GRID~~

SAMPLE TYPE: Percussion Chips | FIELD ENTRY BY: J. Keall | DATE: 20/6/88

LAB. NOTES: | CHEMIST: | DATE: / /

PROSPECT OR PROJECT: Hazlewood | AREA OR GRID NAME: CAUDRY'S

LINE No: 1 | LOCATION ON LINE OR HOLE NUMBER: CA2 | LOG PAGE 1 OF 2

LOG & ANALYTICAL REPORT Sheet No. of A/O

A20880

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FIELD ENTRY / L. ENTH.

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION	GEOLOGICAL DESCRIPTION OF SAMPLE — ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni (ppm)	Cr (ppm)
32	33		Harzburgite c. 80% serp'd px(?) (very fine grained)		723642									
33	34		" similar		723643	<2	2	3	3	1	1	<2	1100	340
34	35		Pyroxenite. 90% yellow brown to bottle green px		"									
35	36		" similar		"									
36	37		" similar		723644	<2	1	5	3	2	2	<2	1900	170
37	38		" similar		"									
38	39		" similar		"									
39	40		" similar		723645	<2	2	4	6	2	3	2	1800	160
40	41		" trace weathering		"									
41	42		" similar - trace magnetite/chromite		"									
42	43		" similar		723646	<2	0	3	4	2	1	<2	1880	170
43	44		" similar		"									
44	45		" similar		"									
45	46		" similar - trace of metallic mineral(?)		"									
Rest														
			E. O. H.											

MAP, AIR PHOTO or DRAWING No.				
LOGGED BY: J. Keall	MACHINE: Hanco	INCLINATION AT COLLAR: -45°	BEARING AT COLLAR: 045°	MAG./GRID
SAMPLE TYPE: Percussion chips	FIELD ENTRY BY: J. Keall	DATE: 20/6/88		
PROSPECT OR PROJECT: Heazlewood	AREA OR GRID NAME: Calvary's			
LINE No: 1	LOCATION ON LINE OR HOLE NUMBER: CA2	LOG PAGE: 2 OF 2		

CHECK SAMPLE

LAB. NOTES: CHEMIST:

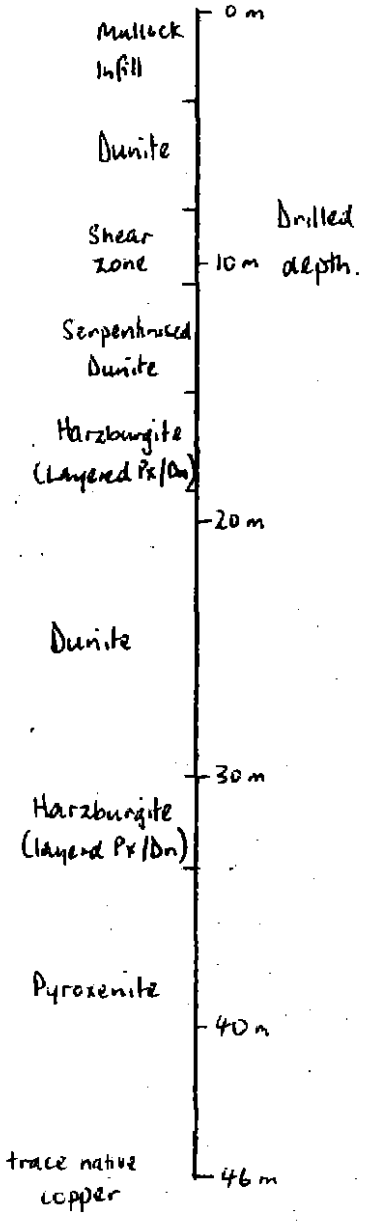
DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

7201

173 CA_2

720182



Analyses in ppb

Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
<2	4	4	12	3	4	<2	·19	·10
<2	3	2	24	2	4	2	·19	·05
16	4	5	7	3	9	6	·21	·03
<2	3	3	9	2	5	2	·20	·03
<2	4	6	4	2	3	<2	·18	·04
<2	2	3	5	2	5	2	·17	·02
<2	2	3	6	2	5	2	·18	·02
<2	3	4	8	2	5	4	·20	·03
<2	2	4	5	2	3	2	·18	·03
<2	2	3	4	1	3	2	·17	·02
<2	2	3	5	2	1	<2	·13	·03
<2	2	3	3	1	1	<2	·11	·03
<2	1	5	3	2	2	<2	·19	·02
<2	2	4	6	2	3	2	·18	·02
<2	0	3	4	2	1	<2	·19	·02

Drillhole Azimuth 045° mag

Drillhole Inclination -45°

IETALS EXPLORATION LIMITED

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FIELD ENTRY | LAB ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au (ppb)	Pt (ppb)	Pd (ppb)	Ru (ppb)	Rh (ppb)	Ir (ppb)	Os (ppb)	Ni (ppm)	Cr (ppm)
0	3		Serpentinite (weathered) (post px + ol ?)	723647	<2	9	5	5	3	2	2	1640	260
3	4			723648	<2	9	4	5	2	3	2	1920	450
4	5		similar - trace vein serpentine - 1% magnetite - trace chromite	"								1	
5	6		trace heavy, copper coloured mineral	"									
6	7		Weathered + serpentinised Px - some olivine	723649	<2	18	6	5	2	5	2	1960	240
7	8		Similar	"									
8	9		Harzburgite: 80% sl. serp'd olivine, 20% grey-brown px	"									
9	10		" trace vein serp (Shear zone)	723650	<2	5	4	6	2	3	<2	2050	115
10	11		" trace chromite/magnetite (Shear zone)	"									
11	12		Dunite - grey-green, sl. serp'd ol	"									
12	13		" trace vein serp	723651	<2	3	3	7	2	4	2	2400	125
13	14		" similar	"									
14	15		Pyroxenite (?) slightly serp'd (c. 90% px)	"									
15	16		" slight weathering	723652	<2	3	4	4	2	3	<2	1680	160
16	17		Dunite 90% serp'd + weathered ol, 10% px + 1% magnetite	"									
17	18		Harzburgite c. 20% px	"									
18	19		Dunite 100% ol, slightly weathered	723653	<2	4	4	4	2	3	<2	1780	320
19	20		" similar	"									
20	21		" similar	"									
21	22		" similar - clay-rich	723654	<2	2	1	1	0	0	<2	1860	770
22	23		" similar	"									
23	24		" trace vein serpentine	"									
24	25		" similar	723655	<2	3	3	4	2	2	2	1860	340
25	26		" 1% magnetite - tr. chromite	"									
26	27		" similar	"									
27	28		" Similar	723656	6	5	14	9	3	5	4	1940	175
28	29		" similar	"									
29	30		" increase in serp'n + weathering	"									
30	31		" 1% magnetite, 1% chromite	723657	<2	5	6	7	2	5	2	1960	74
31	32		Harzburgite - bottle green px (c50%)	"									

P. AIR PHOTO / DRAWING No.:

OGGED BY: J. Keall | MACHINE: HALCO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 045° | MAG. ~~GRID~~

AMPLE TYPE: Percussion chips | FIELD ENTRY BY: J. Keall | DATE: 22/6/88

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: CAUDRY'S

LINE No.: 1 | LOCATION ON LINE OR HOLE NUMBER: CA3 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB NOTES: | CHEMIST: | DATE: / /

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

114

42008

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FIELD ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au (ppb)	At (ppb)	Pd (ppb)	Ru (ppb)	Rh (ppb)	Ir (ppb)	Os (ppb)	Ni (ppm)	Cr (ppm)
32	33		Harzburgite - slightly serp^d ol (20%), bottle green px (80%)	723657									
33	34		Pyroxenite 90% bottle green px - slightly serp^d.	723658	<2	2	3	7	2	5	4	2000	110
34	35		" similar	"									
35	36		" trace vein serp.	"									
36	37		" - traces magnetite & chromite	723659	<2	2	3	5	2	4	2	1840	66
37	38		" similar	"									
38	39		" similar	"									
39	40		" similar	723660	<2	4	3	8	2	4	2	1860	125
40	41		" similar 1% magnetite, tr chromite	"									
41	42		" slightly weathered.	"									
43	43		" similar	723661	<2	5	2	6	2	4	3	2050	115
43	44		" some grey-brown px (5%); 1% mag, 1% chrom.	"									
44	45		" similar	"									
45	46		" similar - slight weathering	723662	<2	10	3	7	2	12	8	1860	165
46	47		" possible downhole contamination	"									
47	48		" similar - Lost air circulation. E.O.H.	"									

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: J. Keall | MACHINE: Halco | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 045° MAG./GRID

SAMPLE TYPE: Percussion chip | FIELD ENTRY BY: J. Keall | DATE: 22/6/85

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: CAUDRY'S

LINE No.: 1 | LOCATION ON LINE OR HOLE NUMBER: CA3 | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

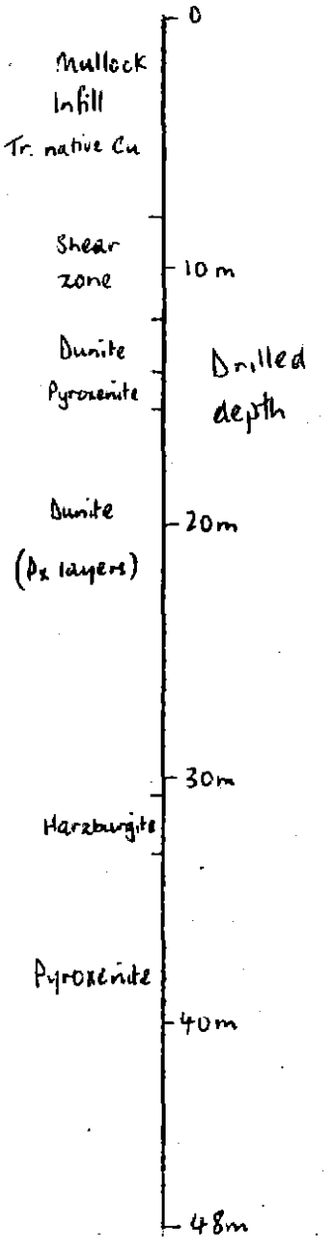
115

P20184

176

CA3

720185



Analyses in ppb

Au	Pt	Pd	Ru	Rh	Ir	Os	Ni%	Cr%
<2	9	5	5	3	2	2	·16	·03
<2	9	4	5	2	3	2	·19	·05
<2	18	6	5	2	5	2	·20	·02
<2	5	4	6	2	3	<2	·21	·01
<2	3	3	7	2	4	2	·24	·01
<2	3	4	4	2	3	<2	·17	·02
<2	4	4	4	2	3	<2	·18	·03
<2	2	1	1	0	0	<2	·19	·08
<2	3	3	4	2	2	2	·19	·03
6	5	14	9	3	5	4	·19	·02
<2	5	6	7	2	5	2	·20	·01
<2	2	3	7	2	5	4	·20	·01
<2	2	3	5	2	4	2	·18	·01
<2	4	3	8	2	4	2	·19	·01
<2	5	2	6	2	4	3	·21	·01
<2	10	3	7	2	12	8	·19	·02

Drillhole Azimuth 045° mag.
Drillhole Inclination -45°

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FIELD ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au (ppb)	Pt (ppb)	Pd (ppb)	Ru (ppb)	Rh (ppb)	Ir (ppb)	Os (ppb)	Ni (ppm)	Cr (ppm)
0	3		Weathered, becoming fresher, slightly serp^{d} olivine(?)	723663	<2	8	3	7	3	2	2	1560	160
3	4		Similar	723664	2	11	10	9	3	2	<2	1620	145
4	5		Fresh + weathered px - some olivine(?)	"									
5	6		Pyroxenite - brown-grey px - slight weathering 1% mag, 1% ch	"									
6	7		" similar - trace vein serp.	723665	<2	15	6	9	3	1	<2	1560	610
7	8		" moderately serp^{d}	"									
8	9		" similar	"									
9	10		" increase in vein serp → 10%	723666	<2	10	7	10	3	3	<2	1540	520
10	11		" similar	"									
11	12		" similar	"									
12	13		" clay-rich, 1% magnetite, tr. chromite } Shear zone.	723667	<2	6	5	8	3	6	4	1620	400
13	14		" strongly weathered } Shear zone.	"									
14	15		Dunite 90% dark-grey olivine (sl. serp^{n})	"									
15	16		" slight weathering	723668	<2	13	3	10	4	4	<2	1580	400
16	17		Pyroxenite 90% bottle-green px, - trace chromite, magnetite	"									
17	18		" slightly weathered.	"									
18	19		" - trace serpentine veining	723669	2	6	3	10	3	5	2	1820	460
19	20		" similar to (17-18)	"									
20	21		" trace vein serp.	"									
21	22		Harzburgite: 80% px, 20% olivine - slight serp^{n}	723670	<2	3	4	10	2	5	2	1780	310
22	23		" trace vein serp^{n}	"									
23	24		Dunite: c. 50% slightly serp^{d} ol 50% moderately serp^{d}	"									
24	25		" slightly fresher. 2% mag. 1% chrom. - Trace metallic min.	723671	<2	5	3	8	3	5	3	1680	450
25	26		" similar	"									
26	27		" similar	"									
27	28		" moderately serp^{d}	723672	<2	4	3	10	3	6	2	1860	200
28	29		" fresher green-grey ol.	"									
29	30		" trace px	"									
30	31		" increase in serp^{n} + weathering	723673	<2	3	3	7	2	3	<2	1820	150
31	32		" fresher.	"									

AP, AIR PHOTO / DRAWING No.:

LOGGED BY: J. Keall | MACHINE: HALCO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 050° | MAG. ~~AZIMUTH~~

SAMPLE TYPE: Percussion Chips | FIELD ENTRY BY: J. Keall | DATE: 22/6/88

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: CAUDRY'S

LINE No.: 1 | LOCATION ON LINE OR HOLE NUMBER: CA4 | LOG PAGE 1 OF 3

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

0074

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

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FIELD ENTRY / L. ENTR.

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au (ppb)	Pt (ppm)	Pd (ppm)	Ru (ppm)	Rh (ppm)	Ir (ppm)	Os (ppm)	Ni (ppm)	Cr (ppm)
32	33		Dunite: slight weathering - trace px	723673									
33	34		" : sl increase in serp^n - trace metallic mineral	723674	<2	3	5	9	3	5	4	2000	230
34	35		" increase in serp^n c. 50% mod. serp^d	"									
35	36		" trace mag, chrom - trace metallic min (copper colour)	"									
36	37		" similar	723675	<2	4	5	8	2	6	4	1880	90
37	38		" ~~fresher~~ grey-green ol (slightly serp^d)	"									
38	39		" slightly weathered.	"									
39	40		" similar	723676	<2	3	4	7	2	2	2	2000	120
40	41		" 10% light green serp^d dunite with magnetite vein	"									
41	42		" 5% serp^d ol.	"									
42	43		" similar	723677	<2	2	3	8	2	6	4	1940	105
43	44		" 100% grey green olivine - trace px	"									
44	45		" similar	"									
45	46		" trace metallic mineral: 2% mag. 1% chrom.	723678	2	2	4	8	2	3	2	2000	100
46	47		" similar - slightly serp^d	"									
47	48		" moderately serp^d	"									
48	49		" magnetite veining	723679	<2	2	3	6	2	3	4	2050	94
49	50		" increase in vein serp^n (c. 5%) - 2% mag. 1% chrm	"									
50	51		" 5-6 flecks of copper coloured mineral in px	"									
51	52		Harzburgite - 80% bottle green px - 20% ol	723680	<2	2	4	7	2	6	2	1960	100
52	53		" similar	"									
53	54		" slight weathering	"									
54	55		" similar	723681	<2	1	3	6	2	5	4	2050	115
55	56		Pyroxenite: 100% bottle green px	"									
56	57		" trace vein serp	"									
57	58		" 1% magnetite - trace chromite	723682	<2	2	3	9	3	6	4	2050	170
58	69		" increase in serp^n	"									
59	60		" similar - slightly weathered	"	<2	1	3	6	2	3	2		
60	61		" 70% slightly serp^d px - 30% moderately serp^d px	723683								1960	125
61	62		" similar	"									

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: J. Keall | MACHINE: Hakco | INCLINATION AT COLLAR: −45° | BEARING AT COLLAR: 050 | MAG./GRID:

SAMPLE TYPE: Percussion chips | FIELD ENTRY BY: A.K. | DATE: 2/6/88

PROSPECT OR PROJECT: HERZLEWOOD | AREA OR GRID NAME: CRADLY'S

LINE No.: 1 | LOCATION ON LINE OR HOLE NUMBER: C44 | LOG PAGE 2 OF 3

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

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10227

[redacted] SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY [redacted]

FIELD ENTRY / LAB. ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	At	Pd	Ru	Rh	Ir	Os	Ni	Cr
62	63		Pyroxenite c. 20% serp^{n} - slight weathering.	723683									
63	64		" similar	723684	<2	1	1	5	2	3	22	2050	110
64	65		" similar	"									
65	66		" fresher.	"									
			E.O.H.										

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: J. Keall | MACHINE: Halco | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 050° MAG./~~GRID~~

SAMPLE TYPE: Percussion chips | FIELD ENTRY BY: JK | DATE: 22/6/88

PROSPECT OR PROJECT: Hazlewood | AREA OR GRID NAME: CAMBRY 5

LINE No: 1 | LOCATION ON LINE OR HOLE NUMBER: CA4 | LOG PAGE 3 OF 3

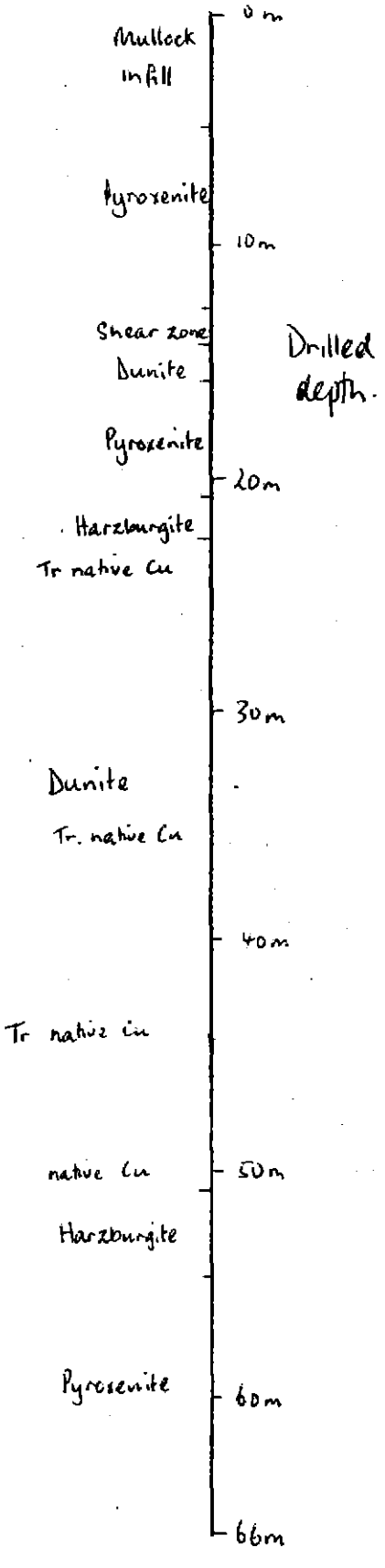
CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

619

8801274



Analyses in ppb.

Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
<2	8	3	7	3	2	2	·16	·02
2	11	10	9	3	2	<2	·16	·01
<2	15	6	9	3	1	<2	·16	·06
<2	10	7	10	3	3	<2	·15	·05
<2	6	5	8	3	6	4	·16	·04
<2	13	3	10	4	4	<2	·16	·04
<2	6	3	10	3	5	2	·18	·05
<2	3	4	10	2	5	2	·18	·03
<2	5	3	8	3	5	3	·17	·05
<2	4	3	10	3	6	2	·19	·02
<2	3	3	7	2	3	<2	·18	·02
<2	3	5	9	3	5	4	·20	·02
<2	4	5	8	2	6	4	·19	·01
<2	3	4	7	2	2	2	·20	·01
<2	2	3	8	2	6	4	·19	·01
<2	2	4	8	2	3	2	·20	·01
<2	2	3	6	2	3	4	20	·01
<2	2	4	7	2	6	2	·20	·01
<2	1	3	6	2	5	4	·20	·01
<2	2	3	9	3	6	4	·21	·02
<2	1	3	6	2	3	2	·20	·01
<2	1	1	5	2	3	<2	·20	·01

Drillhole Azimuth 050° mag.

Drillhole Inclination -45°

THIS FORM USED FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY | LAB. ENTRY

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A13

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au ppm	Pt ppm	Pd ppm	Ru ppm	Rh ppm	Ir ppm	Os ppm	Ni ppm	Cr ppm
0	3		Weathered to fresh Px ite & serpentinite	723685	<2	7	3	7	3	3	4	1780	530
3	4		Pyroxenite (?) brown-grey & weathered.	723686	<2	6	3	10	3	4	2	1720	250
4	5		" c. 1% magnetite - tr. chrom.	"									
5	6		Pyroxenite - slightly weathered & serp'd	"									
6	7		Serpentinite - after Px? - (c. 10% recog Px.)	723687	<2	4	9	11	4	5	2	1580	185
7	8		Pyroxenite - moderately serp'd (blue-grey to greengrey)	"									
8	9		" similar	"									
9	10		" 100% slightly serp'd bottle green Px	723688	<2	26	4	12	3	6	4	1720	410
10	11		Harzburgite : 50% Px ; 50% steelgrey, serp'd ol } Shear	"									
11	12		" similar } zone	"									
12	13		" clay-rich - 2% mag. - rare chromite	723689	<2	10	2	5	2	4	<2	1840	320
13	14		Pyroxenite 100% bottle green Px.	"									
14	15		" similar	"									
15	16		" similar	723690	<2	4	2	7	2	4	2	1880	310
16	17		" c. 50% serp'd Px	"									
17	18		" 1% mag., 1% chrom.	"									
18	19		Harzburgite 80% Px · 20% olivine	723691	<2	10	2	5	2	4	2	1820	380
19	20		" similar - trace vein serp.	"									
20	21		" Similar	"									
21	22		" similar	723692	<2	6	19	10	2	4	2	1980	350
22	23		Pyroxenite 100% bottle green Px.	"									
23	24		" 5% vein serp.	"									
24	25		" similar	723693	<2	1	8	4	2	2	<2	1760	330
25	26		" 30% vein serp.	"									
26	27		" 20% vein serp.	"									
27	28		" similar (24-25), 1% mag - trace chrom.	723694	<2	3	11	4	2	3	<2	1920	320
28	29		" similar	"									
29	30		" similar	"									
30	31		" similar	723695	<2	3	11	8	2	3	2	1860	280
31	32		" similar	"									

AP, AIR PHOTO & DRAWING No.		CHECK SAMPLE	
LOGGED BY: J. Keall	MACHINE: Halco	INCLINATION, AT COLLAR: -45°	BEARING AT COLLAR: 045° MAG./~~GRID~~
SAMPLE TYPE: Percussion Chips	FIELD ENTRY BY: JK.	DATE: 23/6/88	LAB. NOTES: CHEMIST: DATE: / /
PROSPECT OR PROJECT: Heazlewood	AREA OR GRID NAME: CAUDRY'S		
LINE No: 1	LOCATION ON LINE OR HOLE NUMBER: CA5	LOG PAGE 1 OF 3	

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

A20190

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FIELD ENTRY / LAB ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au (ppb)	At (ppb)	Pd (ppb)	Ru (ppb)	Rh (ppb)	Ir (ppb)	Os (ppb)	Ni (ppm)	Cr (ppm)
32	33		Pyroxenite - c. 100% bottle green px	723695									
33	34		" similar	723696	<2	2	12	4	2	4	2	1860	260
34	35		" similar	"									
35	36		" similar	"									
36	37		" similar	723697	<2	2	8	8	2	4	2	1820	135
37	38		" 90% bottle green px - 10% olivine	"									
38	39		" trace magnetite + chromite	"									
39	40		" trace grey brown (opx)	723698	<2	4	9	7	2	5	2	2000	220
40	41		" similar	"									
41	42		" trace chromite, magnetite	"									
42	43		" similar	723699	2	3	8	10	2	5	2	1840	125
43	44		" slightly weathered + serp'd	"									
44	45		" similar - trace mag, chrom.	"									
45	46		" similar	723700	<2	2	2	8	2	7	4	1880	135
46	47		" similar - slight weathering	"									
47	48		Dunite 100% grey-green sl. serp'd ol. - 1% mag - trace chrom.	"									
48	49		" similar	723701	<2	3	3	7	2	2	<2	1880	110
49	50		" similar	"									
50	51		" similar	"									
51	52		" similar	723702	<2	2	2	4	2	0	<2	1800	150
52	53		" trace px	"									
53	54		" 20% steel grey serp'd ol - trace mag/chrom - metallic min.	"									
54	55		" similar	723703	<2	1	1	5	2	0	<2	1900	145
55	56		" similar 1% magnetite, 1% chrom.	"									
56	57		" similar	"									
57	58		" similar - trace vein serp	723704	<2	1	1	6	2	0	<2	1940	130
58	59		" Similar - slight weathering	"									
59	60		" trace chrom, mag.	"									
60	61		" similar	723705	<2	2	1	5	2	0	<2	1820	115
61	62		" Similar	"									

P, AIR PHOTO / DRAWING No.:

LOGGED BY: J. Keall | MACHINE: Halco | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 045° | MAG./GRID

SAMPLE TYPE: Percussion chips | FIELD ENTRY BY: J. Keall | DATE: 23/6/88

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: CAUDRY'S

LINE No: 1 | LOCATION ON LINE OR HOLE NUMBER: CA5 | LOG PAGE 2 OF 3

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

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FIELD ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni (ppm)	Cr (ppm)
62	63		Harzburgite(?) 50% px - 50% ol - possibly layered Dolerite/Hz	723705									
63	64		" similar - trace metallic mineral	723706	<2	2	1	4	2	0	<2	1780	125
64	65		" Similar	"									
65	66		" 1% mag - 1% chrom - trace metallic mineral.	"									
			E.O.H										

MAP, AIR PHOTO or DRAWING No.:

LOGGED BY: S. Keall | MACHINE: Halco | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 045° | MAG./GRID:

SAMPLE TYPE: Percussion chips | FIELD ENTRY BY: J.K. | DATE: 23/6/88

PROSPECT OR PROJECT: Hazlewood | AREA OR GRID NAME: CAUDRY'S

LINE No.: 1 | LOCATION ON LINE OR HOLE NUMBER: CA5 | LOG PAGE 3 OF 3

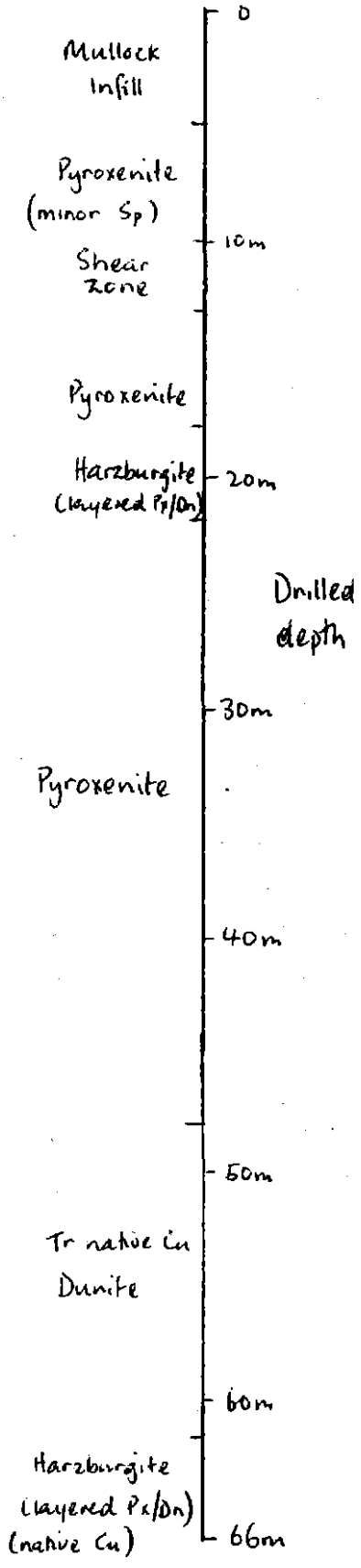
CHECK SAMPLE

LAB NOTES: | CHEMIST: | DATE: / /

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

C3

6021



Analyses in ppb.

Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
<2	7	3	7	3	3	4	·18	·05
<2	6	3	10	3	4	2	·17	·03
<2	4	9	11	4	5	2	·16	·02
<2	26	4	12	3	6	4	·17	·04
<2	10	2	5	2	4	<2	·18	·03
<2	4	2	7	2	4	2	·19	·03
<2	10	2	5	2	4	2	·18	·04
<2	6	19	10	2	4	2	·20	·04
<2	1	8	4	2	2	<2	·18	·03
<2	3	11	4	2	3	<2	·19	·03
<2	3	11	8	2	3	2	·19	·03
<2	2	12	4	2	4	2	·19	·03
<2	2	8	8	2	4	2	·18	·01
<2	4	9	7	2	5	2	·20	·02
<2	3	8	10	2	5	2	·18	·01
<2	2	2	8	2	7	4	·19	·01
<2	3	3	7	2	2	<2	·19	·01
<2	2	2	4	2	0	<2	·18	·02
<2	1	1	5	2	0	<2	·19	·01
<2	1	1	6	2	0	<2	·19	·01
<2	2	1	5	2	0	<2	·18	·01
<2	2	1	4	2	0	<2	·18	·01

Drillhole Azimuth 045° mag.

Drillhole Inclination -45°

[redacted] THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au (ppb)	Pt (ppb)	Pd (ppb)	Ru (ppb)	Rh (ppb)	Ir (ppb)	Os (ppb)	Ni (ppm)	Cr (ppm)
0	3		Weathered ± part serp^d olivine ± px	723540								2100	230
3	4		- similar - c 2% magnetite	723541								2000	300
4	5		Pyroxenite(?) - some blue-grey serp. - weathered.	"									
5	6		Dunite - sl. serp^d 2% mag, 1% chrom	"									
6	7		" similar	723542								2000	340
7	8		" slight incr. in weathering ± serp^n } Shear zone	"									
8	9		" similar }	"									
9	10		" similar	723543								2000	400
10	11		" - slightly serp^d ol.	"									
11	12		" c. 4% magnetite - 1% chrom.	"									
12	13		" similar	723544								2300	240
13	14		" similar	"									
14	15		" similar	"									
15	16		" similar	723545								1900	300
16	17		" slight weathering	"									
17	18		" 2% mag. trace chrom.	"									
18	19		Pyroxenite - slightly serp^d blocky green px (90%)	723546								2100	250
19	20		" similar	"									
20	21		" similar	"									
21	22		" similar	723547								2400	160
22	23		" similar	"									
23	24		" similar 1% mag - trace chrom.	"									
24	25		" similar	723548								2300	150
25	26		" slight increase in serp^n	"									
26	27		" similar - 2% mag, trace chrom.	"									
27	28		" similar - trace vein serp.	723549								2300	160
28	29		" similar	"									
29	30		" 1% mag - trace chrom.	"									
30	31		Dunite - grey green, mod serp^d ol - trace metallic min ??	723550								2200	280
31	32		" similar 2% mag.	"									

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: J. Kealy | MACHINE: Halco | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 045° | MAG./GRID

SAMPLE TYPE: Percussion chips | FIELD ENTRY BY: J.K. | DATE: 24/6/88

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: CANDRY'S

LINE No.: 1 | LOCATION ON LINE OR HOLE NUMBER: CA6 | LOG PAGE 1 OF 3

CHECK SAMPLE

LAB NOTES: | CHEMIST: | DATE: / /

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

[redacted] LOCATION DETAILS ARE HIGHLY CONFIDENTIAL THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

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FIELD ENTRY / LENTH

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cr ppm
32	33		Dunite - moderately serp^d	723550									
33	34		" similar	723551								2000	250
34	35		" similar - c. 20% mag	"									
35	36		" moderately serp^d	"									
36	37		" fine grained, grey-green - 4% mag - tr. chrom	723552								2000	260
37	38		" similar	"									
38	39		" similar - [redacted] c 10% px	"									
39	40		" similar	723553								2000	190
40	41		" similar 2% mag - flecks of copper-coloured metallic min	"									
41	42		" c 100% grey-green ol. - tr vein serp.	"									
42	43		" similar	723554								2000	170
43	44		" c. 2% mag, 1% chrom - trace metallic mineral.	"									
44	45		" similar	"									
45	46		" similar	723555								2200	150
46	47		" trace vein serp	"									
47	48		" similar 1% mag tr chrom. - trace metallic min	"									
48	49		" similar	723556								2200	100
49	50		" similar 1% mag, 1% chrom.	"									
50	51		" similar	"									
51	52		" similar	723557								2200	300
52	53		" slight increase in serp.	"									
53	54		Harzburgite: c. 30% mod serp^d of 70% sl. serp^d px	"									
54	55		" 1% mag, tr chrom	723558								2000	250
55	56		" similar	"									
56	57		" slightly weathered	"									
57	58		" similar c. 1% mag - tr. chrom.	723559								2000	150
58	59		Harzburgite c. 30% of 70% bottle green px	"									
59	60		" similar - olivine contains magnetite veins	"									
60	61		" trace vein serp	723560								2100	160
61	62		" similar	"									

CHECK SAMPLE

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: J. Keall | MACHINE: Halco | INCLINATION AT COLLAR: -045° | BEARING AT COLLAR: 045° | MAG./GRID

SAMPLE TYPE: Percussion Chips | FIELD ENTRY BY: J Keall | DATE: 24/6/85

LAB. NOTES: | CHEMIST: | DATE: / /

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: Caudry's

LINE No: 1 | LOCATION ON LINE OR HOLE NUMBER: CA-6 | LOG PAGE 2 OF 3

LOG & ANALYTICAL REPORT Sheet No. of A/O

92693

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FIELD ENTRY | LAB ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au (ppb)	Pt (ppb)	Pd (ppb)	Ru (ppb)	Rh (ppb)	Ir (ppb)	Os (ppb)	Ni (ppm)	Cr (ppm)
62	63		Dunite - 90% sl. serp'd ol	723580									
63	64		" c. 100% grey-green ol.	723581								2000	130
64	65		" similar	"									
65	66		" 1% mag, 1% chrom - trace metallic min	"									
			E.O.H.										

CHECK SAMPLE

MAP, AIR PHOTO & DRAWING No.:

LOGGED BY: J. Keast | MACHINE: Hoelco | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 045° MAG./GRID

SAMPLE TYPE: Percussion chips | FIELD ENTRY BY: JK | DATE: 26/6/88

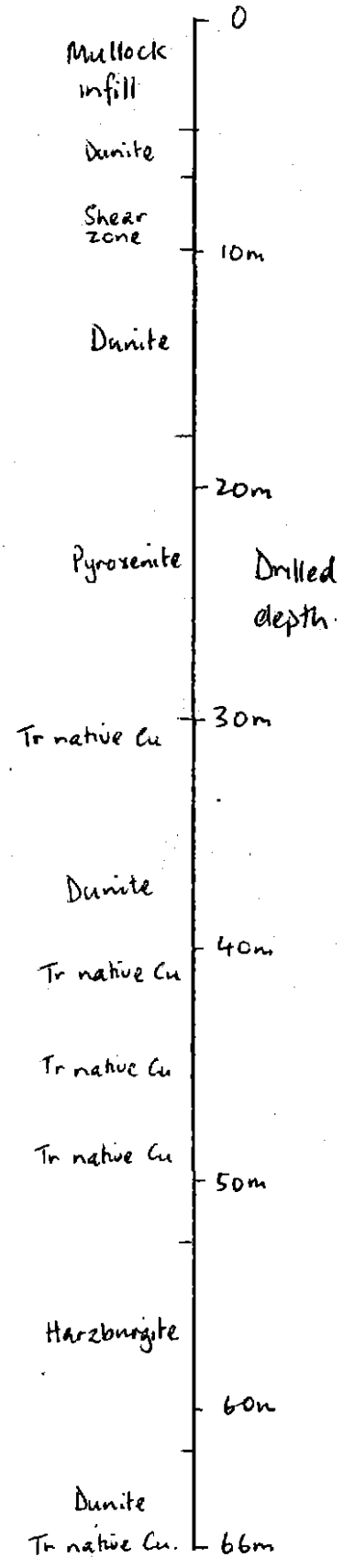
LAB. NOTES: | CHEMIST: | DATE: / /

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: Gaudry's

LINE No.: 1 | LOCATION ON LINE OR HOLE NUMBER: CA6 | LOG PAGE 3 OF 3

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

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Analyses in ppb

Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
							·21	·02
							·20	·03
							·20	·03
							·20	·04
							·23	·02
							·19	·03
							·21	·03
							·24	·02
							·23	·02
							·23	·02
							·22	·03
							·20	·03
							·20	·03
							·20	·02
							·20	·02
							·22	·02
							·22	·01
							·22	·03
							·20	·03
							·20	·02
							·21	·02
							·20	·01

Drillhole Azimuth 045° mag

Drillhole Inclination -45°

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FIELD ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni (ppm)	Cr (ppm)
0	3		Weathered & serp^d px(?) & olivine	723582								2000	350
3	4		Weathered - mainly olivine	723583								2000	360
4	5		Moderately weathered & serp^d ol(?) 1% mag, 1% chrom.	"									
5	6		Pyroxenite c 90% px (grey-green). 10% ol	"									
6	7		" similar	723584								2400	330
7	8		" slightly serp^d - trace vein serp	"									
8	9		" 2% chromite, 1% mag.	"									
9	10		" similar	723585								2100	230
10	11		" similar	"									
11	12		" similar 2% mag, 2% chrom	"									
12	13		" c 50% slightly fresher => drilling through layers.	723586								2100	240
13	14		" c. 100% sl. serp^d px.	"									
14	15		" trac vein serp	"									
15	16		" similar	723587								2400	230
16	17		" similar	"									
17	18		" trace vein serp - 2% mag - 2% chrom	"									
18	19		" similar - moderately serp^d	723588								2500	260
19	20		" similar	"									
20	21		" 2% mag - 1% chrom	"									
21	22		" similar	723589								2600	160
22	23		" 90% px - 10% ol	"									
23	24		" similar	"									
24	25		" similar	723590								1900	230
25	26		" similar	"									
26	27		" 2% mag, 2% chrom.	"									
27	28		" layered moderately & slightly serp^d px.	723591								2400	180
28	29		" similar	"									
29	30		" trace vein serp.	"									
30	31		" 2% mag. 2% chrom.	723592								2200	150
31	32		" similar	"									

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: J. Keall | MACHINE: Halco | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 045° MAG./GRID

SAMPLE TYPE: Percussion chips | FIELD ENTRY BY: J.K. | DATE: 26/6/89

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: Caudry's

LINE No.: 1 | LOCATION ON LINE OR HOLE NUMBER: CA7 | LOG PAGE 1 OF 3

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

7209
7209798

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FIELD ENTRY | LAB. ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au (ppb)	Pt (ppb)	Pd (ppb)	Ru (ppm)	Rh (ppm)	Ir (ppm)	Os (ppm)	Ni (ppm)	Cr (ppm)	TUBE No.
32	33		Pyroxenite - trace vein serp.	723572										
33	34		" similar	723573									2000	160	
34	35		" c 100% bottle green px. (sl. serp'd)	"											
35	36		" 1% mag - 2% chrom.	"											
36	37		" sl incr in serp?	723574									1900	230	
37	38		" moderately serp'd - trace vein serp.	"											
38	39		Harzburgite - 20% olivine 80% px 1% mag - 1% chrom.	"											
39	40		" similar	723575									1800	350	
40	41		" Simila	"											
41	42		" 2% mag - trace chrom	"											
42	43		" Similar - sl. serp'd	723576									2000	330	
43	44		" moderately serp'd	"											
44	45		" bottle green, sl serp'd px - (80%)	"											
45	46		" 1% chrom, 1% mag.	723577									1900	100	
46	47		" similar	"											
47	48		" simila - c. 1% mag - tr. chrom.	"											
48	49		" simila	723578									2000	80	
49	50		" simila	"											
50	51		" 1% mag - trace chrom.	"											
51	52		" dark grey-green, sl serp'd d. (c. 50%)	723579									1700	110	
52	53		" simila	"											
53	54		" c 1% mag - trace chrom	"											
54	55		" slight increase in serp?	723580									1900	110	
55	56		" Simila	"											
56	57		" trace chromite - 1% mag.	"											
57	58		Pyroxenite - c. 90% bottle green px - slightly serp'd	723581									1600	70	
58	59		" similar	"											
59	60		" trace mag/chrom.	"											
60	61		" 40% mod serp'd - 60% sl serp'd px.	723582									1900	80	
61	62		" increase in vein serp?	"											

CHECK SAMPLE

P. AIR PHOTO / DRAWING No.:

LOGGED BY: J. Keall | MACHINE: Halco | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 045° MAG./GRID

SAMPLE TYPE: Percussion chips | FIELD ENTRY BY: JK. | DATE: 7/6/88

LAB. NOTES: | CHEMIST: | DATE: / /

PROSPECT OR PROJECT: Hazlewood | AREA OR GRID NAME: Caudry's

LINE No.: 1 | LOCATION ON LINE OR HOLE NUMBER: CA7 | LOG PAGE 2 OF 3

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

7201 T60

7201 99

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

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FIELD ENTRY / LAB ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd (PPB)	Ru	Rh	Ir (Ppm)	Os (Ppm)	Ni	Cu
62	63		Pyroxenite: c 1% mag - trace chrom	723582									
63	64		" c 90% bottle green pv. 10% ol	723583								2000	100
64	65		" moderately & lightly serp'd	"									
65	66		" 1% mag - 1% chrom	"									
			E.O.H.										

CHECK SAMPLE

LAB NOTES:

CHEMIST:

DATE: / /

MAP, AIR PHOTO & DRAWING No.:

LOGGED BY: J. Keall

MACHINE: Halco

INCLINATION AT COLLAR: -45°

BEARING AT COLLAR: 045° MAG./GRID

SAMPLE TYPE: Percussion chips

FIELD ENTRY BY: J. Keall

DATE: 21/6/88

PROSPECT OR PROJECT: Heazlewood

AREA OR GRID NAME: Causey's

LINE No: 1

LOCATION ON LINE OR HOLE NUMBER: CA7

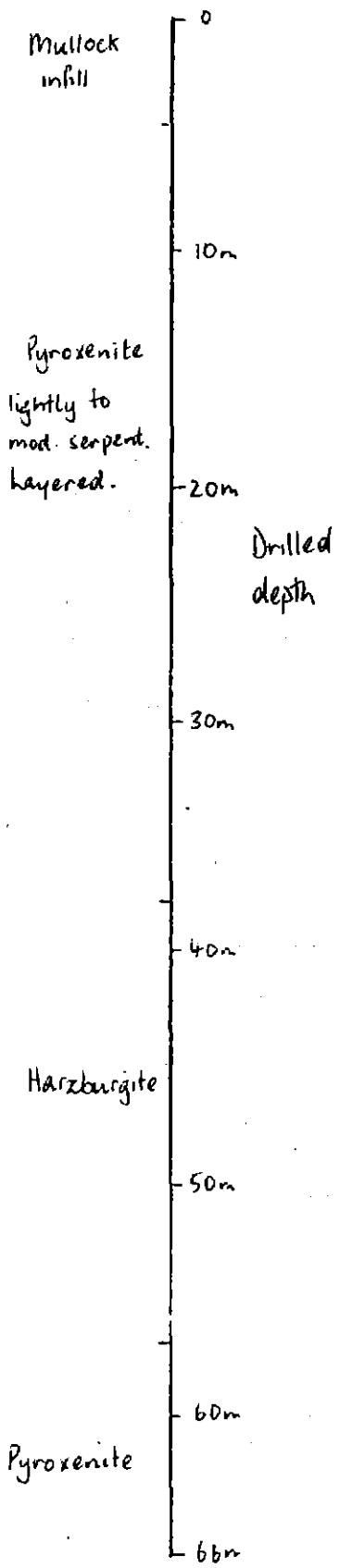
LOG PAGE 3 OF 3

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

P2020

720201

192 CA7



Analyses in ppb

Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
							·20	·04
							·20	·04
							·21	·03
							·21	·02
							·21	·02
							·24	·02
							·25	·03
							·26	·02
							·19	·02
							·24	·02
							·22	·02
							·20	·02
							·19	·02
							·18	·04
							·20	·03
							·19	·01
							·20	·01
							·17	·01
							19	·01
							·16	·01
							·19	·01
							20	·01

Drillhole Azimuth 0450 mag.

Drillhole Inclination -450

REPORT FOR SAMPLES GOING TO M.E.L. LABORATORY

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FIELD ENTRY ENTH

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB (Au) / PPM UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni	Cr
0	3		Weathered & serp^d d -	723584								2000	100
3	4		Weathered olivine	723585								1900	140
4	5		Dunite - grey-green d 1% mag, 1% chrom.	"									
5	6		" similar	"									
6	7		" moderately serp^d	723586								1600	60
7	9		" similar	"									
8	9		" moderately serp^d.	"									
9	10		" similar	723587								2300	180
10	11		" c. 90% dark grey-green, mod. serp^d d	"									
11	12		" similar - trace vein serp^n	"									
12	13		" similar	723588								2400	190
13	14		" similar	"									
14	15		" similar	"									
15	16		" similar	723589								2600	50
16	17		" similar	"									
17	18		" c. 1% mag - 1% chrom.	"									
18	19		" similar	723590								2100	90
19	20		Pyroxenite 90% bottle green, cl serp^d px - 10% mod serp^d d.	"									
20	21		" trace vein serp.	"									
21	22		" similar	723591								2500	70
22	23		" similar c. 1% mag - 1% chrom.	"									
23	24		" similar	"									
24	25		" similar	723592								2200	80
25	26		" similar	"									
26	27		" similar	"									
27	28		" increase - serp^n - c. 50% moderately serp^d. px(?)	723593								1900	200
28	29		" similar	"									
29	30		" similar	"									
30	31		Harzburgite 70% grey-green px 30% dk grey-green d.	723594								2200	80
31	32		" 1% mag - tr. chrom.	"									

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: J. Keall | MACHINE: Halco | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 065° | MAG./GRID

SAMPLE TYPE: Percussion chips | FIELD ENTRY BY: J.K | DATE: 27/6/88

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: Caudroy's

LINE No.: 1 | LOCATION ON LINE OR HOLE NUMBER: CA8 | LOG PAGE 1 OF 3

CHECK SAMPLE

LAB NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/0

20021

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FIELD ENTRY | LAB ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au (ppb)	Pt (ppb)	Pd (ppb)	Ru (ppm)	Rh (ppm)	Ir (ppm)	Os (ppm)	Ni (ppm)	Cr (ppm)
32	33		Harzburgite 70% px 30% ol.	723594									
33	34		" olivine mod. serp^d with magnetite veins	723595								2100	70
34	35		" trace vein serp.	"									
35	36		" 80% px - 20% ol - 2% mag - 1% chrom.	"									
36	37		" 70% bottle green px - 30% light green serp^d ol.	723596								1400	140
37	38		" trace calcite (C) vein.	"									
38	39		" similar (36-37) 2% mag 1% chrom.	"									
39	40		" similar	723597								1600	120
40	41		" moderately serp^d (ol)	"									
41	42		" 3% mag - 1% chrom	"									
42	43		" less serp^d	723598								1200	90
43	44		" similar	"									
44	45		" 1% mag - trace chrom	"									
45	46		" sl. serp^d	723599								1300	150
46	47		" similar (30% slightly serp^d ol)	"									
47	48		" similar	"									
48	49		" 2% mag - trace chrom	723600								1800	340
49	50		" Similar	"									
50	51		" slight increase in serp^n 2% mag, 1% chrom.	"									
51	52		" similar	723601								1700	200
52	53		" 60% px - 40% mod serp^d & veined ol.	"									
53	54		" 1% mag - 1% chrom.	"									
54	55		" fresher	723602								2100	330
55	56		Pyroxenite: slightly serp^d bottle green px. 1% mag, 1% chr.	"									
56	57		" Simila	"									
57	58		" simila	723603								2100	90
58	59		" simila	"									
59	60		Harzburgite: 30% ol, 70% px - 2% mag - tr. chrom	"									
60	61		" Simila	723604								1700	230
61	62		" simila	"									

CHECK SAMPLE									

AP, AIR PHOTO / DRAWING No.

LOGGED BY: J. Keall | MACHINE: Halco | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 065° | MAG./GRID

SAMPLE TYPE: Percussion chips | FIELD ENTRY BY: JK | DATE: 27/6/88

LAB. NOTES: | CHEMIST: | DATE: / /

PROSPECT OR PROJECT: Headlewood | AREA OR GRID NAME: Landry's

LINE No: 1 | LOCATION ON LINE OR HOLE NUMBER: CA8 | LOG PAGE 2 OF 3

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

F204

720203

[redacted] LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

METALS EXPLORATION LIMITED

HEAD OFFICE COPY

FIELD ENTRY / ENTR.

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni (ppm)	Cr (ppm)
62	63		Harzburgite - slight increase in serp (70% ol, 30% ol)	723604									
63	64		" similar	723605								1800	180
64	65		" 4% mag. 1% chrom.	"									
65	66		" similar.	"									
			E.O.H.										

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: J. Keall | MACHINE: Halco | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 045° | MAG./GRID

SAMPLE TYPE: Percussion chips | FIELD ENTRY BY: J.K. | DATE: 16/6/85

PROSPECT OR PROJECT: Hearlewood | AREA OR GRID NAME: Candy's

LINE No: 1 | LOCATION ON LINE OR HOLE NUMBER: CA3 | LOG PAGE 3 OF 3

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

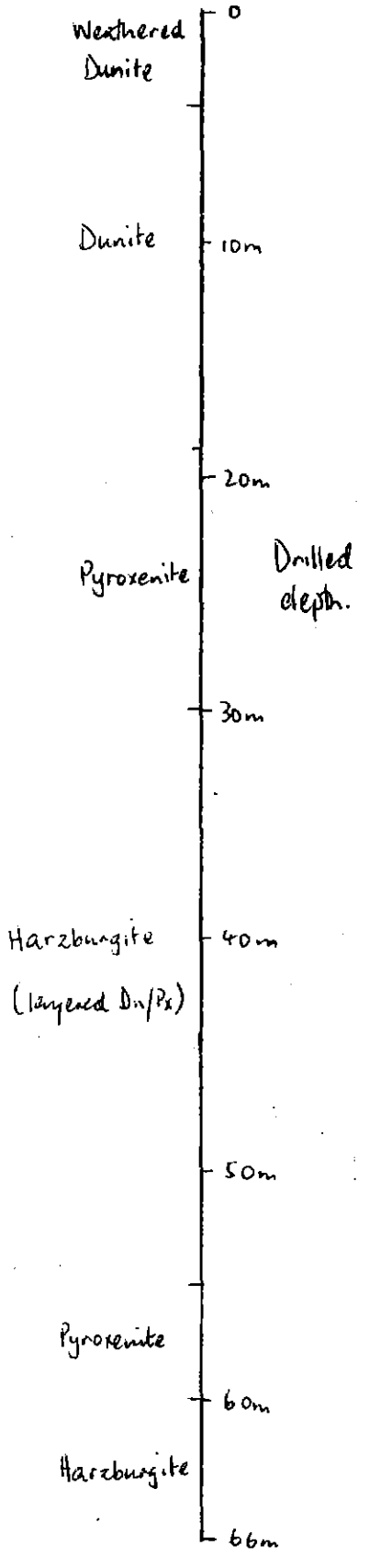
LOG & ANALYTICAL REPORT Sheet No. ... of A/O ...

135

420204

CA8

720205



Analyses in ppb.

Au	Pt	Pd	Ru	Rh	In	Os	Ni %	Cr %
							·20	·01
							·19	·01
							·16	·01
							·23	·02
							·24	·02
							·26	·01
							·21	·01
							·25	·01
							·22	·01
							·19	·02
							·22	·01
							·21	·01
							·14	·01
							·16	·01
							·12	·01
							·13	·02
							·18	·03
							·17	·02
							·21	·01
							·21	·01
							·17	·02
							·18	·02

Drillhole Azimuth 065° mag.

Drillhole Inclination −45°

METALS EXPLORATION LIMITED

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FIELD ENTRY

LAB ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni	Cr
0	3		Weathered + serp^d light green & grey-brown px(?)	723606								2300	110
3	4		Similar	723607								1900	150
4	5		No return.	"									
5	6		Pyroxenite - serp^d & weathered. 1% mag, 1% chrom	"									
6	7		" Similar - moderately weathered	723608								2100	60
7	8		" Grey green to bottle green - c. 20% weathered	"									
8	9		" 1% mag, 1% chrom.	"									
9	10		" Similar	723609								2500	44
10	11		" similar - trace vein serp - coarse chromite crystals	"									
11	12		Harzburgite 50/50 px (bottle green) ol - light grey-green)	"									
12	13		" similar 1% mag, 1% chrom	723610								2300	76
13	14		" Similar	"									
14	15		" slight increase in serp^d	"									
15	16		" probable uphole contamination	723611								2400	80
16	17		" 70% ol(?) 30% px	"									
17	18		" similar	"									
			E.O.H. (Lost Circulation)										

MAP, AIR PHOTO OR DRAWING No.: J. Keall

LOGGED BY: J.K.

MACHINE: Halco

INCLINATION AT COLLAR: -45°

BEARING AT COLLAR: 045° MAG./GRID

SAMPLE TYPE: Percussion Chips

FIELD ENTRY BY: J.K

DATE: 29/6/88

CHECK SAMPLE

LAB. NOTES:

CHEMIST:

DATE: / /

PROSPECT OR PROJECT: Heazlewood

AREA OR GRID NAME: Candy's

LINE No: 1

LOCATION ON LINE OR HOLE NUMBER: CAq

LOG PAGE 1 OF 1

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

157

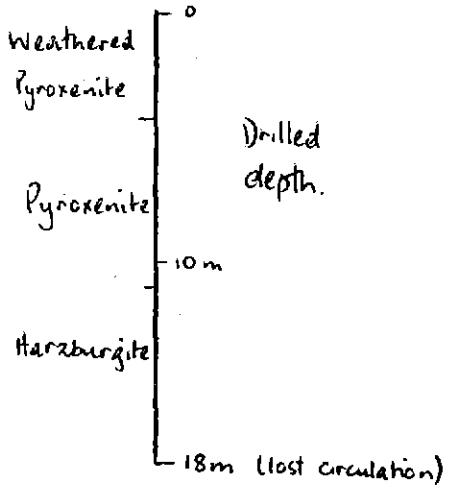
90227

90226

198

CA9

720207



Analyses in ppb

Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
							·23	·01
							·19	·02
							·21	·01
							·25	·01
							·23	·01
							·24	·01

Drillhole Azimuth 045° mag
Drillhole Inclination -45°

Du - Dunite
Px - Pyroxenite
Hz - Harzburgite

Drillhole Section - Caudry's

July 1988

200

720209

OPEN FILE

MICROFILMED

HEAZLEWOOD PROSPECTS
NORTH WEST TASMANIA
EL 21/85

ANNUAL REPORT FOR THE PERIOD ENDING 1.12.88

YEAR 3 (2.12.87 - 1.12.88)

REPORT NO. 212010

VOLUME 2 OF 2

88-2876

MINES
File Ref. E.L. 21/85
11 NOV 1988
Doc. Ref.
Action Officer | Initials
REFER TO
LETTER DATED
9.11.88.
Resubmit to | Date

DISTRIBUTION: Mines Department, Tasmania
Exploration - Perth
Exploration - Melbourne
Library

S.J. CARTHEW
P.G. BELLAIRS

OCTOBER 1988

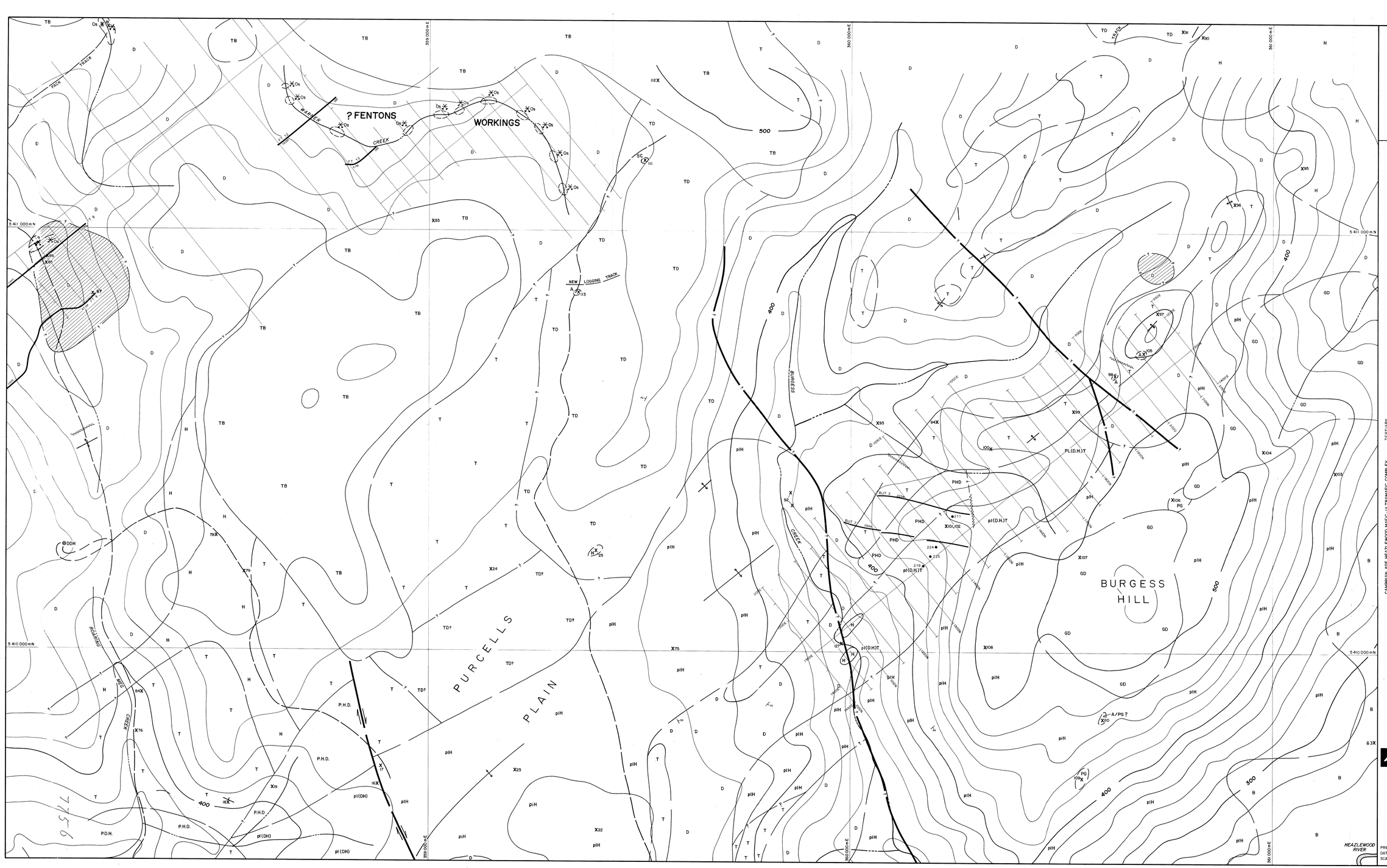
APPENDIX 4

BURGESS AREA

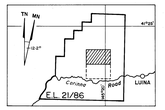
APPENDIX 4A

BURGESS HILL SHEET - GEOLOGY
1:2,500

See TCR 872644
(also at end of this volume)



LOCATION MAP



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
- X2II SAMPLE LOCALITY (PREFIX 231---)
- ⊗DDH PRE M.E.L. DIAMOND DRILL HOLE SITE
- CHROMITE MINOR MINERAL OCCURENCE
- ● 211 SAMPLE LOCALITY (PREFIX 8796)
- ABANDONED ALLUVIAL WORKINGS
- ABANDONED HARD ROCK WORKINGS
- Ni MINE NOT BEING WORKED
- QUARRY
- SHALLOW SHAFT, TRENCH
- BUT 3 TRENCH

TERTIARY

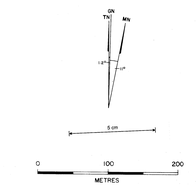
TB	BASALT

CAMBRIAN AGE HEAZLEWOOD MAFIC-ULTRAMAFIC COMPLEX

B	BASALT
PG	PLAGIO GRANITE
SC	SILICA CARBONATE ROCK
A	ANORTHOSITE
T	TROCTOLITE
GD	GABBRO/DOLERITE
GN	GABBRO/NORITE
P	PYROXENITE
H	HARZBURGITE (WITH PLAGIOCLASE HARZBURGITE)
D	DUNITE

MULTI LITHOLOGY ROCK GROUPS

P.H.D.	INTERLAYERED PYROXENITE - HARZBURGITE - DUNITE
pl(D.H)	INTERLAYERED PLAGIOCLASE DUNITE - PLAGIOCLASE HARZBURGITE
pl(D.H.)T	INTERLAYERED PLAGIOCLASE DUNITE - PLAGIOCLASE HARZBURGITE - TROCTOLITE
TD	INTERLAYERED TROCTOLITE - DUNITE



88-2876

METALS EXPLORATION LIMITED

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

720212

Interpretation of Fact Geology

BURGESS HILL SHEET

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

7756

Drg No 02/HZ/2/07

BASE MAP ORG. NO. 86-335

APPENDIX 4B

METALLURGICAL STUDIES

204

720214

AUSTPALIAN METALLURGICAL AND MINERAL TESTING CONSULTANTS PTY LTD

PREPARATION AND ANALYSES OF SOIL AND ROCK SAMPLES

FOR

METALS EXPLORATION LTD

SEPTEMBER 1987

AMMTEC JOB NO. A 1322

205

720215

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	3.1 Samples Received	1
	3.2 Sample Preparation	1
	3.3 Results	2
4.0	ROCK SAMPLE TESTING	2
	4.1 Samples Received	2
	4.2 Sample Preparation	2
	4.3 Results	3
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SUMMARY

(1) Ten soil samples were concentrated using screening, Wilfley table and TBE heavy liquid and the resulting concentrate submitted to Analytical Services WA Pty. Ltd. for analyses.

(2) Two rock samples were ground to be less than 212µm then concentrated using Wilfley table and TBE heavy liquid, the resulting concentrate was separated using magnetic separation and the products submitted to Resource Development Laboratories for analyses.

4.0 ROCK SAMPLE TESTING (BRASSEY CHROMITITE + BURGESS CHROMITITE

720217

4.1 Samples Received

2 rock samples each amounting to approximately 40kg were received for this work. Details of the samples are shown in Table 3.

4.2 Sample Preparation

The rock samples were prepared in accordance with the flowsheet shown in Figure 2, the procedure included:

(1) The samples were weighed then crushed to be < 2mm.

(2) The entire sample was stage ground to be 100% <212 µm in the laboratory rod mill.

(3) The ground slurry was filtered and the material dried.

(4) The dried material was passed over the Wilfley table and a concentrate amounting to approximately 20% of the feed removed.

(5) The coarse portion of the table tailing was reserved.

(6) The table concentrate was dried then passed through TBE (SG 2,96) the floats portions were reserved.

(7) The TBE sinks were screened on 106 and 53µm.

(8) The three size fractions were passed over a belt magnetic separator with a field strength of approximately 8000 Gauss.

(9) Both magnetics and non magnetics were weighed and sub samples submitted for analyses to Resource Development Laboratory.

4.3 RESULTS

The results of analyses of the magnetic separation products of the concentrated rock samples are shown in Table 4.

FIGURE 2

FLOWSHEET SHOWING THE SAMPLE PREPARATION OF ROCK SAMPLES

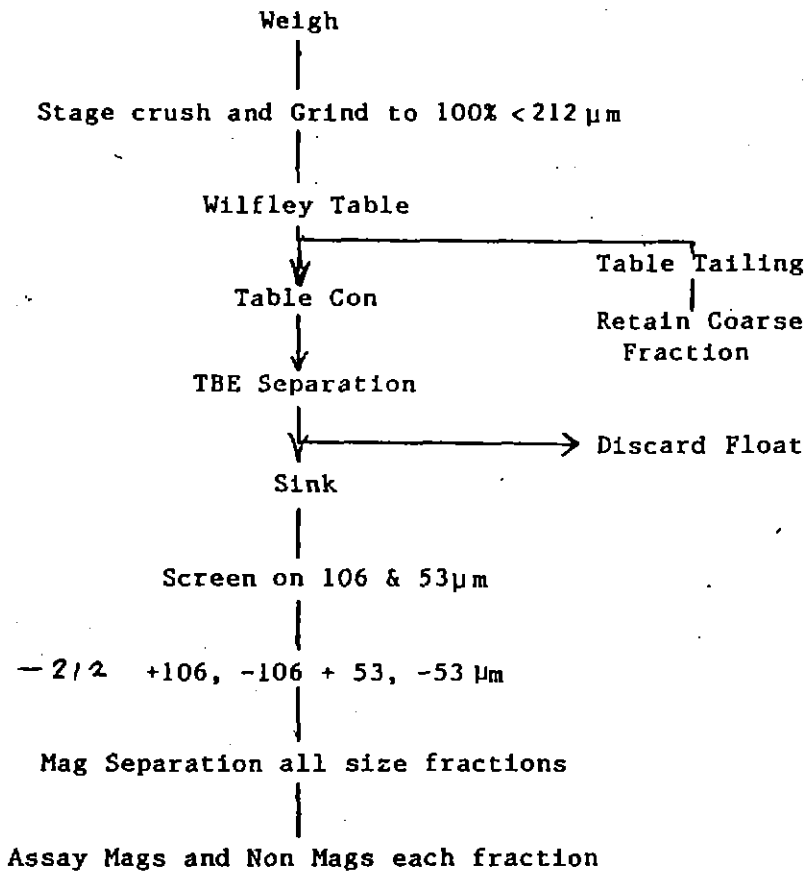


TABLE 3

DETAILS OF ROCK SAMPLES RECEIVED

Sample Mark	Weight Received - Kg
A	34.3
B	46.5

TABLE 4

DETAILS OF ANALYSES OF MAGNETIC SEPARATION PRODUCTS - ROCK SAMPLES

Sample	Size Fraction µm	Product	Weight (grams)	Weight %	Analyses Data in ppm unless stated otherwise						
					Au	Cr %	Co	Ni	Cu	Pd	Pt
A	-212 + 106	Mags	940	14.17	<0.005	25.9	154	530	4	< 0.005	< 0.05
		Non Mags	67	1.01	0.635	4.03	32	135	234	< 0.005	< 0.05
	- 106 + 53	Mags	4301	64.81	<0.005	27.2	171	590	14	< 0.005	< 0.05
		Non Mags	345	5.20	0.994	17.3	110	330	182	< 0.005	< 0.05
	- 53	Mags	647	9.75	0.117	27.0	163	990	47	< 0.005	< 0.05
		Non Mags	336	5.06	0.750	26.2	154	470	66	< 0.005	< 0.05
			6636	100.00							
B	+ 106	Mags	3800	35.13	0.020	32.8	148	530	6	< 0.005	0.20
		Non Mags	153	1.41	0.980	14.4	75	920	30	< 0.005	< 0.05
	- 106 + 53	Mags	5130	47.42	0.009	32.8	155	610	3	< 0.005	0.23
		Non Mags	366	3.38	0.416	28.0	169	610	24	< 0.005	< 0.05
	- 53	Mags	940	8.69	0.058	32.2	172	920	21	0.014	0.80
		Non Mags	429	3.97	0.235	31.7	165	650	11	< 0.005	< 0.05
			10818	100.00							

- 11 -

120221

720222

APPENDIX 4C

GEOCHEMISTRY

213

720223

ANALABS TASMANIA
A Division of Macdonald Hamilton & Co. Pty. Ltd.

Phn: (004) 31 6837 14 Thirkell Street, Cooee, Tasmania, 7320. TLX: AA 59224

PRELIMINARY ANALYTICAL REPORT No. 142.2.08.04005

INVOICE TO:

Metals Exploration Ltd.,
80 Collins St.,
Melbourne
Victoria 3000

ORDER No.

PROJECT

DATE RECEIVED: 24/11/86

RESULTS REQUIRED: ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
6	19/12/86	1	131

SAMPLE NUMBERS	SAMPLE DESCRIPTION & PREPARATION	ELEMENT/METHOD
Various	RO Prep: 006,018	Cu,Pb,Zn,Ni/101
Various	RO	Se/116,S/199,Au/309,Pt,Pd/311

RESULTS TO:

Metals Exploration Ltd.,
80 Collins St.,
Melbourne
Victoria 3000

REMARKS:

AUTHORISED OFFICER _____

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720224

ANALABS TASMANIA

PRELIMINARY ANALYTICAL DATA

SAMPLE	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	142.2.08.04005	19/12/86		1 OF 6

	Cu	Pb	Zn	Ni	Se	Pd	Pt	Au
231001	<5	5	45	1550	<0.05	<0.001	0.009	<0.008
231002	<5	10	35	1250	<0.05	0.001	<0.008	<0.008
231003	<5	10	15	65	<0.05	0.001	<0.008	<0.008
231004	15	5	15	630	<0.05	0.036	<0.008	<0.008
231005	<5	5	55	995	<0.05	<0.001	<0.008	<0.008
231006	<5	<5	25	310	<0.05	0.028	<0.008	<0.008
231007	<5	5	50	1100	<0.05	0.002	<0.008	<0.008
231008	<5	5	50	1350	<0.05	<0.001	0.018	<0.008
231009	40	<5	20	50	0.05	0.034	0.018	<0.008
231010	<5	10	35	1500	<0.05	<0.001	0.010	<0.008
231011	<5	10	30	200	<0.05	<0.001	0.020	<0.008
231012	<5	5	20	230	<0.05	<0.001	0.021	<0.008
231013	5	5	35	1550	<0.05	0.004	<0.008	<0.008
231014	5	10	45	1250	<0.05	0.004	<0.008	<0.008
231015	<5	<5	65	880	<0.05	<0.001	<0.008	<0.008
231016	<5	5	40	480	<0.05	0.001	0.010	<0.008
231017	5	10	40	270	<0.05	0.007	0.025	<0.008
231018	<5	10	30	940	<0.05	0.002	<0.008	<0.008
231019	<5	<5	45	1100	<0.05	0.001	0.009	<0.008
231020	<5	5	40	1450	<0.05	0.003	<0.008	<0.008
231021	<5	5	35	880	<0.05	0.001	<0.008	0.050
231022	5	5	40	765	<0.05	0.008	<0.008	<0.008
231023	10	<5	45	990	<0.05	0.011	<0.008	<0.008
231024	<5	<5	30	815	<0.05	<0.001	<0.008	<0.008
231025	<5	<5	40	640	<0.05	0.003	<0.008	<0.008

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720225

ANALABS TASMANIA

PRELIMINARY ANALYTICAL DATA

SAMPLE	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	142.2.08.04005	19/12/86		2 OF 6

	Cu	Pb	Zn	Ni	Se	Pd	Pt	Au
231026	<5	10	45	1600	<0.05	0.001	<0.008	<0.008
231027	<5	10	55	1950	<0.05	0.001	<0.008	<0.008
231028	5	5	20	90	<0.05	0.018	<0.008	<0.008
231029	5	10	55	890	<0.05	<0.001	0.009	<0.008
231030	<5	<5	30	1350	<0.05	0.002	<0.008	<0.008
231031	<5	10	30	535	<0.05	<0.001	0.026	<0.008
231032	<5	5	50	1200	<0.05	<0.001	<0.008	<0.008
231033	15	15	25	30	<0.05	0.011	<0.008	<0.008
231034	<5	5	10	90	<0.05	0.010	0.013	<0.008
231035	<5	5	45	145	<0.05	0.001	0.012	<0.008
231036	<5	15	10	220	<0.05	0.001	<0.008	<0.008
231037	<5	5	35	1250	<0.05	<0.001	0.032	<0.008
231038	<5	5	35	1450	<0.05	0.016	<0.008	<0.008
231039	<5	20	40	30	<0.05	0.008	<0.008	<0.008
231040	<5	10	45	1500	<0.05	0.003	<0.008	<0.008
231041	10	5	35	2350	<0.05	0.004	<0.008	<0.008
231042	10	5	20	90	<0.05	0.001	<0.008	<0.008
231043	10	<5	15	85	<0.05	0.001	<0.008	<0.008
231044	15	<5	45	1150	<0.05	0.002	<0.008	<0.008
231045	5	10	25	2500	<0.05	0.018	<0.008	<0.008
231046	15	5	15	75	<0.05	0.004	0.021	<0.008
231047	25	<5	40	1300	<0.05	0.003	<0.008	<0.008
231048	10	10	360	790	<0.05	0.009	0.089	<0.008
231049	20	5	50	1250	0.05	0.008	<0.008	<0.008
231050	60	10	20	85	0.05	0.007	0.011	<0.008

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720226

ANALABS TASMANIA

PRELIMINARY ANALYTICAL DATA

SAMPLE	REPORT NUMBER 142.2.08.04005	REPORT DATE 19/12/86	CLIENT ORDER No.	PAGE 3 OF 6

	Cu	Pb	Zn	Ni	Se	Pd	Pt	Au
231051	130	<5	15	70	<0.05	0.004	<0.008	<0.008
231052	35	5	35	1450	<0.05	0.005	0.008	<0.008
231053	15	5	15	60	<0.05	0.003	<0.008	<0.008
231054	20	10	50	1900	<0.05	0.003	0.011	<0.008
231055	10	5	135	750	<0.05	0.003	<0.008	<0.008
231057	10	<5	15	155	<0.05	<0.001	<0.008	<0.008
231059	45	5	185	1400	<0.05	0.001	<0.008	<0.008
231060	25500	5	570	2000	<0.05	0.003	<0.008	4.330
231061	80000	5	215	5800	<0.05	0.022	<0.008	18.330
231063	195	10	115	255	<0.05	0.017	<0.008	<0.008
231064	90	5	20	47000	11.30	0.030	<0.008	0.400
231066	20	10	25	145	<0.05	0.008	<0.008	<0.008
231067	20	10	35	2450	<0.05	0.002	<0.008	<0.008
231068	40	250	40	65	<0.05	0.012	0.011	<0.008
231070	10	5	10	35	<0.05	0.019	0.010	<0.008
231071	10	<5	15	80	<0.05	0.011	0.008	<0.008
231072	15	5	25	50	<0.05	0.008	0.008	<0.008
231074	10	5	15	135	<0.05	0.001	<0.008	<0.008
231075	10	<5	45	940	<0.05	0.014	<0.008	<0.008
231076	5	<5	25	1800	<0.05	<0.001	<0.008	<0.008
231077	10	<5	45	1350	<0.05	<0.001	<0.008	<0.008
231078	5	40	55	1000	<0.05	<0.001	<0.008	<0.008
231079	<5	<5	45	1200	<0.05	0.001	0.021	<0.008
231080	<5	<5	40	2850	<0.05	<0.001	<0.008	<0.008
231081	15	5	40	1900	<0.05	<0.001	<0.008	<0.008

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720227

ANALABS TASMANIA

PRELIMINARY ANALYTICAL DATA

SAMPLE	REPORT NUMBER 142.2.08.04005	REPORT DATE 19/12/86	CLIENT ORDER No.	PAGE 4 OF 6

	Cu	Pb	Zn	Ni	Se	Pd	Pt	Au
231082	45	5	85	270	<0.05	<0.001	<0.008	<0.008
231083	10	10	170	440	0.05	<0.001	0.011	<0.008
231084	<5	<5	55	1050	0.05	<0.001	<0.008	<0.008
231085	5	<5	20	650	0.05	<0.001	<0.008	<0.008
231086	5	5	10	415	<0.05	<0.001	<0.008	<0.008
231087	5	<5	5	80	<0.05	<0.001	<0.008	<0.008
231088	10	5	20	60	<0.05	0.015	<0.008	<0.008
231089	30	<5	20	30	0.05	0.020	0.012	<0.008
231090	10	<5	35	755	<0.05	0.005	<0.008	<0.008
231091	5	10	50	1800	<0.05	<0.001	<0.008	<0.008
231092	5	<5	30	2200	<0.05	0.002	<0.008	<0.008
231093	5	<5	20	945	<0.05	0.006	<0.008	<0.008
231094	5	<5	40	1500	<0.05	0.001	<0.008	<0.008
231095	10	<5	40	2000	<0.05	0.001	<0.008	<0.008
231096	5	<5	55	1400	<0.05	0.001	0.016	<0.008
231097	5	<5	35	1400	<0.05	0.001	<0.008	<0.008
231098	5	<5	30	325	<0.05	<0.001	<0.008	<0.008
231099	5	10	20	1350	-	<0.001	<0.008	<0.008
231100	5	<5	25	750	-	0.001	<0.008	<0.008
231101	10	10	775	415	-	<0.001	<0.008	<0.008
231102	10	<5	45	1950	-	0.001	<0.008	<0.008
231103	35	<5	50	830	-	0.014	0.008	0.017
231104	30	<5	10	30	-	0.008	<0.008	<0.008
231105	10	5	25	200	-	0.001	<0.008	<0.008
231106	5	<5	5	35	-	0.001	<0.008	<0.008

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720228

ANALABS TASMANIA

PRELIMINARY ANALYTICAL DATA

SAMPLE	REPORT NUMBER 142.2.08.04005	REPORT DATE 19/12/86	CLIENT ORDER No.	PAGE 5 OF 6

	Cu	Pb	Zn	Ni	Se	Pd	Pt	Au
231107	5	5	35	85	-	0.009	<0.008	<0.008
231108	10	<5	55	1550	-	0.014	<0.008	<0.008
231109	5	<5	10	25	-	<0.001	<0.008	<0.008
231110	5	<5	15	20	-	0.001	<0.008	<0.008
231111	10	10	30	90	-	<0.001	<0.008	<0.008
231112	55	<5	105	150	-	0.003	<0.008	<0.008
231113	15	30	70	80	-	<0.001	<0.008	<0.008
231114	10	10	15	45	-	<0.001	<0.008	<0.008
231115	10	20	30	165	-	0.001	<0.008	<0.008
231116	10	15	440	780	-	0.009	0.142	<0.008
231117	5	<5	20	395	-	<0.001	<0.008	<0.008
231118	10	<5	55	1150	-	0.006	<0.008	<0.008
231119	5	<5	45	1000	-	<0.001	0.010	<0.008
231120	450	10	40	95	-	0.034	0.010	0.008
231121	15	10	1950	440	-	<0.001	0.089	<0.008
231122	10	5	40	1700	-	<0.001	0.008	<0.008
231123	10	10	245	530	-	0.006	0.034	<0.008
231124	10	<5	120	1450	-	0.005	0.013	<0.008
231125	15	10	405	785	-	0.003	0.142	<0.008
231126	5	<5	40	800	-	<0.001	<0.008	<0.008
231127	5	5	50	2100	-	<0.001	0.009	<0.008
231128	10	5	20	55	-	0.003	<0.008	<0.008
231129	10	1950	13000	1850	-	0.005	<0.008	<0.008
231130	70	2900	11500	1150	-	<0.001	<0.008	<0.008
231131	625	155000	39000	320	-	<0.001	<0.008	0.008

AUTHORISED OFFICER _____

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720229

ANALABS TASMANIA

PRELIMINARY ANALYTICAL DATA

SAMPLE	REPORT NUMBER 142.2.08.04005	REPORT DATE 19/12/86	CLIENT ORDER No.	PAGE 6 OF 6

	Cu	Pb	Zn	Ni	Se	Pd	Pt	Au
231132	35	50	60	85	-	<0.001	<0.008	0.100
231133	35	20	55	90	-	0.014	0.013	<0.008
231134	275	31500	23500	585	-	<0.001	<0.008	0.032
231135	10	190	230	1350	-	0.004	<0.008	<0.008
231136	120	33000	73500	1650	-	0.001	<0.008	0.032
231137	10	35	85	665	-	<0.001	0.012	<0.008

NOTE: Sample No. 231061 assayed for Au by Method 310

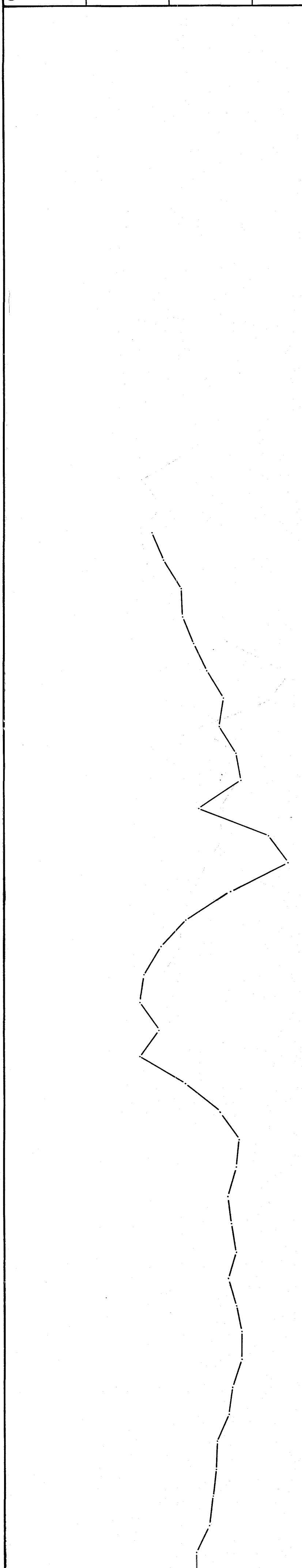
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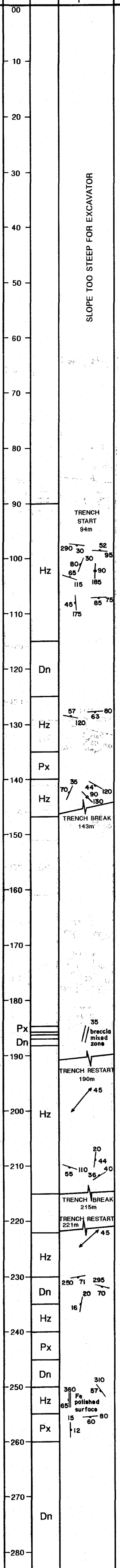
DETECTION	5	5	5	5	0.05	0.001	0.008	0.008
UNITS	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
METHOD	101	101	101	101	116	311	311	309

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APPENDIX 4D

TRENCH GEOLOGY AND GEOCHEMISTRY







DESCRIPTION	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni	Cr
HARZBURGITE: weath.,decomp.,poorly									
preserved, poikolitic texture.	<2	16	7	11	2	1	2	.17	.06
- abund. rubble, talus, trench	2	24	6	5	4	1	<2	.11	.04
in poor condition.	<2	19	4	9	4	2	<2	.11	.04
SERPENTINITE: very poorly exposed,	<2	26	9	7	4	2	<2	.11	.18
in part deeply weathered, ferrug.,	<2	24	1	6	5	2	2	.14	.13
mainly Hz-derived.	<2	20	13	7	5	1	2	.07	.02
Brown, weathered Hz/Dn	2	18	3	17	5	1	2	.18	.06
interlayers.	<2	19	3	11	4	1	2	.19	.08
DUNITE/HARZBURGITE:	<2	13	2	10	2	1	<2	.10	.03
- mainly Dn (Hz = low px, poik.).	<2	20	2	10	2	2	<2	.16	.04
Deeply weathered, soft, ferrug.	2	12	7	4	5	1	2	.17	.05
HARZBURGITE: poik., low px,	<2	14	3	9	3	1	<2	.17	.13
serpent., heavily weathered.	2	21	2	15	3	1	<2	.17	.13
PYROXENITE/HARZBURGITE:	<2	16	11	7	3	1	2	.14	.12
Decomposed, interlayered f-m Px,	<2	20	9	9	3	0	<2	.12	.17
px-rich Hz, abund. s slicks.,	<2	24	4	9	2	0	2	.12	.17
bl, wh, gr, s on fracture/joint	2	24	0	7	2	1	2	.12	.16
faces.									
CHROMITITE BRECCIA ZONE: mixed pegmatitic lithologies & coarse chromitite seams, clots.									
HARZBURGITE:									
poikolitic, oikocrysts (~30%) up	4	11	7	12	7	3	2	.21	.07
to 5cm diameter, elongated in	<2	9	7	16	3	2	4	.21	.05
direction of layering.	<2	7	7	9	5	2	4	.23	.06
Primary px layering.	4	5	7	25	3	1	<2	.20	.09
	<2	6	9	14	2	2	4	.22	.10
	<2	2	10	7	3	3	2	.21	.08
	<2	1	10	12	3	2	2	.22	.05
HARZBURGITE: poik., low px, grainy	<2	5	8	16	3	1	<2	.22	.06
texture on weathered surfaces.	<2	5	12	20	3	1	2	.22	.05
Primary mineral layering of px	<2	4	5	11	3	2	2	.19	.04
in poik. Hz.	<2	2	11	9	2	1	<2	.09	.04
	<2	2	7	22	3	1	<2	.16	.09
HARZBURGITE: poik., serpent.,	<2	4	3	14	3	2	<2	.22	.07
interlayered with Dn in part.	<2	7	8	12	2	2	<2	.23	.05
Trench in poor condition,	2	2	12	14	4	2	<2	.25	.13
rocks poorly exposed.	<2	1	9	17	4	1	<2	.20	.08
SERPENTINITE:	<2	3	12	19	3	1	<2	.22	.04
dk grey-dk gr, heavily sheared,	<2	2	5	13	3	1	2	.16	.02
slickensided, apparently derived	<2	4	5	9	4	2	<2	.18	.04
from Dn/Px/Hz.	<2	1	12	8	3	2	3	.20	.07
White s deposits on all joint	<2	5	10	7	4	2	<2	.19	.14
surfaces.	4	5	10	18	2	2	<2	.21	.08
DUNITE: dk gy, serpent., heavily	<2	6	6	14	4	1	<2	.22	.08
weathered, ferrug.,brittle, blocky,	3	5	16	5	3	2	3	.18	.07
no olivine texture - up to 5% f-m	2	3	9	7	2	1	<2	.22	.06
dissem.cr. Ferricrete rubble,	<2	5	9	7	4	2	<2	.19	.08
debris.	<2	5	8	8	2	1	<2	.15	.10
	<2	4	8	5	3	1	<2	.17	.08
	<2	4	7	9	3	1	<2	.22	.10
	<2	4	6	10	3	1	<2	.20	.08
	<2	5	5	11	3	1	<2	.19	.13
	<2	8	7	8	3	2	<2	.19	.21
	<2	7	7	7	3	2	<2	.18	.07

LITHOLOGY LEGEND

Dol	DOLERITE
Dn	DUNITE
Px	PYROXENITE
Hz	HARZBURGITE
Ct	CHROMITITE
Sp	SERPENTINITE

5 cm

720231

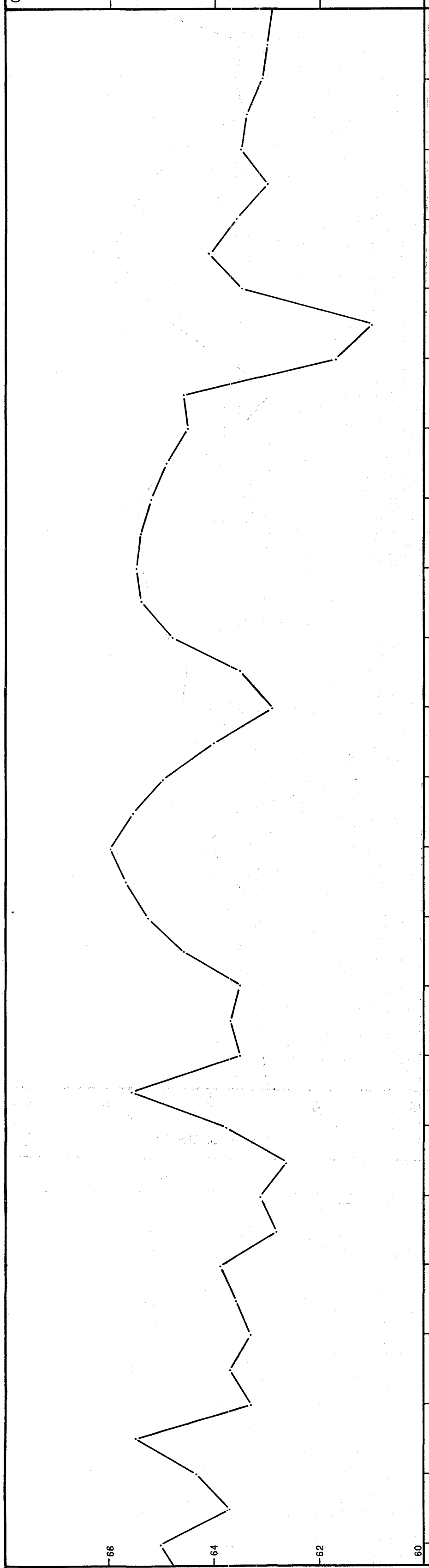
88-2876

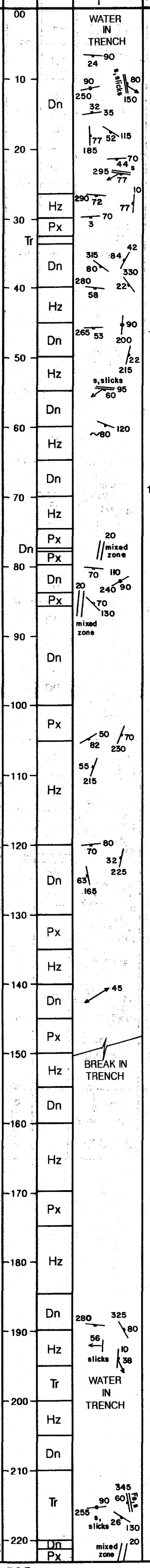
METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85 Tasmania

Title: BURGESS TRENCH 2

Author	Date 8/88	Scale 1:500	
Drawn S.L.C.	Office PER	Revised	Date
Drawing No. 02/HZ/3/22			Fig. No.





DESCRIPTION	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
DUNITE: lt gr-dk gr, weathered,part.	2	15	7	5	3	2	2	.17	.20
serpt.,friable to resistant, blocky,	<2	20	7	6	4	1	<2	.16	.18
minor f bk veins, 1-10% m dissem.cr.	<2	19	6	8	3	2	<2	.17	.20
FLOAT: Sp - banded, green. Hz -	<2	22	7	7	3	2	<2	.13	.15
brecciated pegmatitic gabbro	8	32	4	8	3	2	<2	.18	.10
with seams, clots, **chromitite** +	<2	23	7	7	4	1	<2	.18	.09
green chrome garnet.	2	34	8	10	3	1	<2	.08	.04
DUNITE: mesh texture part.preserved,	<2	38	5	9	4	1	<2	.07	.02
s mins. on some joint faces.	<2	34	7	9	4	1	<2	.11	.09
TROCTOLITE: heavily Sp, decomp.,	4	24	6	4	2	1	<2	.09	.07
grading to Dn. (Troct. = 30%).	<2	16	5	7	3	3	6	.16	.09
HARZBURGITE (26m): dk gr, hard,	4	13	9	6	3	1	<2	.18	.08
heavily serpent. 50% px, (1-5mm),	<2	14	6	10	3	2	<2	.18	.07
minor coarser (1-2cm) spherical px.	2	16	5	8	3	1	2	.17	.07
PYROXENITE/GABBRO (30m): intermixed/	4	8	5	6	3	2	2	.09	.03
interlayered, low plag gabbro/norite	<2	14	8	5	3	2	<2	.17	.04
+ Px grading to sub poikolitic Hz.	2	16	9	8	4	1	<2	.15	.04
Minor blue Ni? colour in s mins.	2	14	5	6	3	1	<2	.12	.11
DUNITE/HARZBURGITE: interlayered,	4	18	7	5	3	1	<2	.11	.05
serpent., poorly exposed.	4	14	6	6	3	1	<2	.14	.04
Primary layering in poikolitic Hz.	2	13	6	10	3	1	<2	.15	.07
	<2	19	9	4	3	2	<2	.12	.04
HARZBURGITE: dk gy, blocky, serpent.	<2	21	7	6	3	2	<2	.13	.03
20-30% px (2-10mm). (5% m dissem.	<2	21	6	7	4	2	<2	.18	.06
cr.	<2	24	8	7	5	1	<2	.17	.07
PYROXENITE (2m zone): dk gr-grey,	<2	18	5	6	4	1	<2	.09	.03
fresh, serpent., uniform, hard.	<2	36	3	13	5	1	<2	.15	.04
DUNITE (78m): with mixed lithologies.	<2	42	7	12	4	1	<2	.22	.06
- s/cr veining, brecciated, v coarse	<2	25	6	10	3	1	<2	.12	.04
px clots - possible magmatic dyke	<2	27	2	17	5	1	<2	.14	.04
(1-2m wide).	<2	25	4	10	4	2	<2	.15	.07
DUNITE: serpent.,as above. Abund.	<2	28	5	5	4	1	2	.10	.05
Fe ox, mod. magnetic, minor veinlets	<2	19	7	11	3	0	<2	.13	.06
mag/s in part following foliation.	<2	22	5	6	4	0	<2	.08	.06
PYROXENITE (2m wide):	<2	13	6	7	2	0	<2	.06	.12
lt brown, fresh, hard.	<2	15	6	8	6	1	<2	.14	.14
HARZBURGITE: dk gr/gy, part.serpent.,	<2	24	5	4	4	1	<2	.17	.06
poikolitic, 2-3cm single bronzites	<2	14	6	8	5	1	<2	.19	.04
- ave. 20% px in porphyroblasts	<2	14	8	12	4	1	<2	.18	.05
and oikocrysts.	<2	12	4	9	3	2	<2	.19	.03
	<2	14	2	5	4	1	<2	.20	.06
	<2	21	5	10	4	2	<2	.17	.04
SERPENTINITE: dk green, abund. wh	<2	16	7	10	3	1	<2	.16	.10
s (ex Dn), heavily sheared, slicks.	<2	27	3	10	4	5	2	.16	.11
	<2	23	9	8	3	1	<2	.14	.10
PX/HARZBURGITE: layered,strike ridge	4	19	6	8	3	1	2	.08	.03
at 140m. Float of mixed, brecciated,	<2	20	4	6	3	1	<2	.04	.03
pegmatitic Px, gabbro + **CHROMITITE**.									
DUNITE/HARZBURGITE/PYROXENITE:									
interlayered, heavily serpent.,	<2	8	5	4	2	0	<2	.14	.04
poorly exposed in trench (weathered	<2	9	6	3	1	0	<2	.08	.05
outcrop gives better exposure).	<2	7	12	2	1	0	<2	.06	.06
	<2	5	5	2	1	0	<2	.07	.04
HARZBURGITE: dk gy-lt gr, serpent.,	2	16	4	4	2	3	4	.08	.06
gran.(2mm) bronzite laths, s veins.	<2	10	6	6	3	1	<2	.12	.06
Brittle-hard, abund.internal slicks.,	2	6	9	8	4	2	<2	.16	.05
curvi-planar surfaces, talcose/	<2	6	5	8	3	2	<2	.19	.07
vitreous, shiny surfaces.	<2	7	7	10	3	2	<2	.21	.08
	<2	4	8	11	4	1	<2	.20	.08
DUNITE/HARZBURGITE: mainly heavily	<2	4	5	9	3	1	<2	.19	.11
serpent. Dn - rare fine plag.	<2	3	4	8	2	1	<2	.21	.11
	<2	4	5	8	2	1	<2	.20	.11
PLAG.DUNITE/TROCTOLITE/PLAG.HZ:	<2	7	8	8	3	1	<2	.20	.09
gradational change - variable	<2	6	8	8	2	1	<2	.18	.12
content fine grained plag.	<2	8	5	7	3	1	<2	.19	.11
	<2	5	4	9	2	1	<2	.21	.09
TROCTOLITE: grading into plag Dn,	<2	5	7	8	2	1	<2	.22	.08
plag poikolitic Hz.	<2	5	6	8	2	1	<2	.20	.11
	<2	6	8	9	3	1	<2	.20	.09
	<2	4	7	8	2	1	<2	.24	.13
BRECCIA: plag Dn/v coarse Px,	<2	7	5	8	2	1	<2	.17	.09
serpent. Linear, dyke-like body.	<2	3	7	7	2	1	<2	.18	.09

E.O.T.
223m

Undulating CHROMITITE seams within mixed zone.

LITHOLOGY LEGEND

Gab	GABBRO	Tr	TROCTOLITE
Dol	DOLERITE		
Dn	DUNITE		
Px	PYROXENITE		
Hz	HARZBURGITE		
Ct	CHROMITITE		
Sp	SERPENTINITE		

5 cm

88-2876

720232

METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85 Tasmania

Title: BURGESS TRENCH 3

Author	Date 8/88	Scale 1:500	
Drawn S.L.C.	Office PER	Revised	Date
Drawing No. 02/HZ/3/23			Fig. No.

APPENDIX 4E

MAGNETIC DATA AND MAP

720234

Prospect: Burgess. Line No: 1430N. ✓

Co: OBD	Time	Date	Gravimeter	Co: OBD	Time	Date	Gravimeter
13005	11:00	26.6.98	623585	13305			623577
10			623596	30			623576
20			623620	40			623605
30			623657	50			623624
40			623648	60			623650
50			623630	70			623665
60			623626	80			623658
70			623636	90			623650
80			623652	13005	11:00		623615
90			623644		End of Line		
13005			623665				
10			623675				
20			623685				
30			623725				
40			623715				
50			623704				
60			623710				
70			623705				
80			623720				
90			623730				
13005			623760				
10			623770				
20			623800				
30			623820				
40			623815				
50			623830				
60			623850				
70			623845				
80			623865				
90			623870				
13005			623900				

Prospect: Burgess. Line No: 1400N. ✓

Co: OBD	Time	Date	Gravimeter	Co: OBD	Time	Date	Gravimeter
13005	11:30	26.6.98	623604	13305			623550
10			623611	90			623565
20			623616	90			623610
30			623630	13005	11:30		623600
40			623638		End of Line		
50			623658				
60			623665				
70			623675				
80			623685				
90			623695				
13005			623705				
10			623715				
20			623725				
30			623735				
40			623745				
50			623755				
60			623765				
70			623775				
80			623785				
90			623795				
13005			623805				
10			623815				
20			623825				
30			623835				
40			623845				
50			623855				
60			623865				
70			623875				
80			623885				
90			623895				
13005			623905				
10			623915				
20			623925				
30			623935				
40			623945				
50			623955				
60			623965				
70			623975				
80			623985				
90			623995				
13005			624005				
10			624015				
20			624025				
30			624035				
40			624045				
50			624055				
60			624065				
70			624075				
80			624085				
90			624095				
13005			624105				
10			624115				
20			624125				
30			624135				
40			624145				
50			624155				
60			624165				
70			624175				
80			624185				
90			624195				
13005			624205				
10			624215				
20			624225				
30			624235				
40			624245				
50			624255				
60			624265				
70			624275				
80			624285				
90			624295				
13005			624305				
10			624315				

Prospect: Burgess. Line No: 1450N. ✓

Co: OBD	Time	Date	Gravimeter	Co: OBD	Time	Date	Gravimeter
13005	11:45	26.6.98	623640	13305			623605
10			623650	90			623640
20			623660	90			623680
30			623690	13005	11:30		623705
40			623730		End of Line		
50			623745				
60			623755				
70			623765				
80			623775				
90			623785				
13005			623795				
10			623805				
20			623815				
30			623825				
40			623835				
50			623845				
60			623855				
70			623865				
80			623875				
90			623885				
13005			623895				
10			623905				
20			623915				
30			623925				
40			623935				
50			623945				
60			623955				
70			623965				
80			623975				
90			623985				
13005			623995				
10			624005				
20			624015				
30			624025				
40			624035				
50			624045				
60			624055				
70			624065				
80			624075				
90			624085				
13005			624095				
10			624105				
20			624115				
30			624125				
40			624135				
50			624145				
60			624155				
70			624165				
80			624175				
90			624185				
13005			624195				
10			624205				
20			624215				
30			624225				
40			624235				
50			624245				
60			624255				
70			624265				
80			624275				
90			624285				
13005			624295				
10			624305				
20			624315				
30			624325				
40			624335				
50			624345				
60			624355				
70			624365				
80			624375				
90			624385				
13005			624395				
10			624405				
20			624415				
30			624425				
40			624435				
50			624445				
60			624455				
70			624465				
80			624475				
90			624485				
13005			624495				
10			624505				
20			624515				
30			624525				
40			624535				
50			624545				
60			624555				
70			624565				
80			624575				
90			624585				
13005			624595				
10			624605				
20			624615				
30			624625				
40			624635				
50			624645				
60			624655				
70			624665				
80			624675				
90			624685				
13005			624695				
10			624705				
20			624715				
30			624725				
40			624735				
50			624745				
60			624755				
70			624765				
80			624775				
90			624785				
13005			624795				
10			624805				
20			624815				
30			624825				
40			624835				
50			624845				
60			624855				
70			624865				
80			624875				
90			624885				
13005			624895				
10			624905				
20			624915				
30			624925				
40			624935				
50			624945				
60			624955				
70			624965				
80			624975				
90			624985				
13005			624995				
10			625005				
20			625015				
30			625025				
40			625035				
50			625045				
60			625055				
70			625065				
80			625075				
90			625085				
13005			625095				
10			625105				

720235

Prospect: Burgess Line No: 1750N

Co-ord	Time	Date	Gammas	Co-ord	Time	Date	Gammas
11000E	330	25/6/88	623705				
10			623775				
20			622845				
30			623000				
40			623230				
50			623345				
60			623260				
70			622945				
80			623115				
90			623670				
12000E			623430				
10			623210				
20			623040				
30			623450				
40			58000				
50			622856				
60			624000				
70			623530				
80			622988				
90			623275				
13000E			623115				
10			624450				
20			624040				
30			624295				
40			624265				
50			623536				
60			623512				
70			623540				
80			624235				
90			623525				
14000E	315		623228				
	End	25 line					

Prospect: Burgess Line No: 1750N

Co-ord	Time	Date	Gammas	Co-ord	Time	Date	Gammas
11000E	330	25/6/88	622889				
10			623117				
20			622972				
30			623875				
40			622965				
50			623245				
60			623160				
70			623110				
80			624040				
90			624055				
12000E			624865				
10			725220				
20			625570				
30			777165				
40			803552				
50			785002				
60			771422				
70			844060				
80			772080				
90			624270				
13000E			624430				
10			622962				
20			624000				
30			623715				
40			624240				
50			625602				
60			623002				
70			623260				
80			622914				
90			624202				
14000E	150		623254				
	End	25 line					

Prospect: Burgess Line No: 1750N

Co-ord	Time	Date	Gammas	Co-ord	Time	Date	Gammas
11000E	330	25/6/88	623505	11000E			623023
10			624408	30			622758
20			624439	40			623402
30			624643	11400E	145		624848
40			623500		End	25 line	
50			623460				
60			624430				
70			624740				
80			624530				
90			623390				
12000E			624488				
10			624577				
20			624760				
30			624087				
40			623920				
50			624575				
60			624410				
70			624707				
80			623996				
90			623002				
13000E			624430				
10			623715				
20			624930				
30			624860				
40			725415				
50			723002				
60			724440				
70			624202				
80			623270				
90			624495				
14000E			623705				
10			623520				

Prospect: Burgess Line No: 1750N

Co-ord	Time	Date	Gammas	Co-ord	Time	Date	Gammas
11000E	115	25/6/88	624910	11000E			620025
10			625002	30			625075
20			624730	40			625860
30			624740	11400E	12.40		626020
40			624327		End	25 line	
50			623895				
60			624824				
70			624055				
80			623575				
90			624835				
12000E			624785				
10			702002				
20			626012				
30			623270				
40			623844				
50			623500				
60			623414				
70			624700				
80			624940				
90			623890				
13000E			623940				
10			624415				
20			624940				
30			624930				
40			623760				
50			623890				
60			624096				
70			623875				
80			624160				
90			623832				
14000E			623040				
10			623745				

720236

Prospect: Burgess Line No: 21350N

Co-ord	Time	Date	Gammas	Co-ord	Time	Date	Gammas
11500E	1050	27.6.93	652070				
60			660235				
70			655025				
80			646665				
90			644820				
12000E			643950				
10			653145				
20			654920				
30			653556				
40			656635				
50			654444				
60			644985				
70			646830				
80			643570				
90			660535				
13000E			660100				
10			649057				
20			644975				
30			653515				
40			655770				
50			644436				
60			660330				
70			644630				
80			643859				
90			643532				
14000E	1035		644115				

Prospect: Burgess Line No: 21500N

Co-ord	Time	Date	Gammas	Co-ord	Time	Date	Gammas
11500E	1055	21.6.93	656270				
60			664295				
70			655530				
80			653005				
90			655520				
12000E			644360				
10			656280				
20			655315				
30			72111				
40			653140				
50			654905				
60			654024				
70			644430				
80			644460				
90			653740				
13000E			654685				
10			664840				
20			664845				
30			653465				
40			653330				
50			655210				
60			655080				
70			644090				
80			655258				
90			665593				
14000E	1115		654870				
	END OF LINE						

Prospect: Burgess Line No: 21350N

Co-ord	Time	Date	Gammas	Co-ord	Time	Date	Gammas
11500E	1130	26.6.93	653375				
60			655520				
70			644360				
80			644970				
90			646980				
12000E			655930				
10			656970				
20			644700				
30			643530				
40			644090				
50			644865				
60			660055				
70			656555				
80			670558				
90			671900				
13000E	1145		671480				
10		27.6.93	671495				
20	1015		670460				
30			671155				
40			671210				
50			646415				
60			655713				
70			656410				
80			655345				
90			655075				
14000E	1030		644520				
	END OF LINE						

Prospect: Burgess Line No: 21500N

Co-ord	Time	Date	Gammas	Co-ord	Time	Date	Gammas
11500E	1130	26.6.93	642490				
10			643830				
20			653125				
30			654108				
40			655553				
50			655145				
60			655805				
70			654675				
80			654430				
90			653190				
12000E			653510				
10			656563				
20			644240				
30			644130				
40			644934				
50			655380				
60			644645				
70			654003				
80			654635				
90			646345				
12000E			671020				
10			646670				
20			654495				
30			654405				
40			656680				
50			646015				
60			646455				
70			646130				
80			646190				
90			646870				
13000E	1110		646920				
	END OF LINE						

720237

Prospect: Burgess Line No: 11SON

Co-ord	Time	Date	Remarks	Co-ord	Time	Date	Remarks
11SOE				1HSOE			
10				30			
20				HO			
30				1HSOE	230		
HO					END OF LINE		
50							
60							
70							
80							
90							
12SOE							
10							
20							
30							
HO							
50							
60							
70							
80							
90							
12SOE							
10							
20							
30							
HO							
50							
60							
70							
80							
90							
1HSOE							
10							

Prospect: Burgess Line No: 11SON

Co-ord	Time	Date	Remarks	Co-ord	Time	Date	Remarks
11SOE	LHS	26/6/78		1HSOE			
10				30			
20				HO			
30				1HSOE	130		
HO					END OF LINE		
50							
60							
70							
80							
90							
12SOE							
10							
20							
30							
HO							
50							
60							
70							
80							
90							
12SOE							
10							
20							
30							
HO							
50							
60							
70							
80							
90							
1HSOE							
10							

Prospect: Burgess Line No: 11SON

Co-ord	Time	Date	Remarks	Co-ord	Time	Date	Remarks
11SOE	230	26/6/78		1HSOE			
10				30			
20				HO			
30				1HSOE	230		
HO					END OF LINE		
50							
60							
70							
80							
90							
12SOE							
10							
20							
30							
HO							
50							
60							
70							
80							
90							
12SOE							
10							
20							
30							
HO							
50							
60							
70							
80							
90							
1HSOE							
10							

Prospect: Burgess Line No: 11SON

Co-ord	Time	Date	Remarks	Co-ord	Time	Date	Remarks
11SOE	230	26/6/78		1HSOE			
10				30			
20				HO			
30				1HSOE	225		
HO					END OF LINE		
50							
60							
70							
80							
90							
12SOE							
10							
20							
30							
HO							
50							
60							
70							
80							
90							
12SOE							
10							
20							
30							
HO							
50							
60							
70							
80							
90							
1HSOE							
10							

720238

Prospect: Burgess Line No: 1050N

Co-ord	Time	Date	Remarks	Co-ord	Time	Date	Remarks
1000E	1150	25.6.88		1300E			
10				30			
20				40			
30				50			
40				60			
50				70			
60				80			
70				90			
80				1400E	1130		
90					End of line		
1100E							
10							
20							
30							
40							
50							
60							
70							
80							
90							
1200E							
10							
20							
30							
40							
50							
60							
70							
80							
90							
1300E							
10							

Prospect: Burgess Line No: 1050N

Co-ord	Time	Date	Remarks	Co-ord	Time	Date	Remarks
1000E	1150	26.6.88		1300E			
10				30			
20				40			
30				50			
40				60			
50				70			
60				80			
70				90			
80				1400E	1115		
90					End of line		
1100E							
10							
20							
30							
40							
50							
60							
70							
80							
90							
1200E							
10							
20							
30							
40							
50							
60							
70							
80							
90							
1300E							
10							

Prospect: Burgess Tyrec Line Line No: 1300E

Co-ord	Time	Date	Remarks	Co-ord	Time	Date	Remarks
1400N		25.6.88		1000N			
1450N				70			
60				80			
70				90			
80				2000N			
90				10			
1500N				20			
10				30			
20				40			
30				2050N			
40				60			
1550N				70			
60				80			
70				90			
80				2100N			
90				10			
1600N				20			
10				30			
20				40			
30				2150N	1130		
40					End of line		
1650N							
60							
70							
80							
90							
1700N							
10							
20							
30							
40							
1750N							

Prospect: Burgess Tyrec Line Line No: 1300E

Co-ord	Time	Date	Remarks	Co-ord	Time	Date	Remarks
1300N	1130	24.6.88		1000N			
10				30			
20				40			
30				1350N			
40				60			
1050N				70			
60				80			
70				90			
80				1400N			
90				10			
1100N				30			
10				30			
20				40			
30				1450N	1130		
40				60	1200	27.6.88	
1150N				70			
60				80			
70				90			
80				1500N			
90				10			
1200N				20			
10				30			
30				40			
30				1550N			
40				60			
1250N				70			
60				80			
70				90			
80				1600N			
90				10			
1300N				20			
10				30			

720239

Prospect: Burgess — Line No: 13530 '/

Co-ord	Time	Date	Gravity	Co-ord	Time	Date	Gravity
13005	3.20	24.6.38	63215	13705			63215
10			63200	80			63205
70			63203	90			63190
80			63230	14005			63389
90			63295	10			63330
11005			63210	20			63465
10			63335	30			63365
20			63345	40			63760
30			63320	14505	3.10		63520
40			63285		End of Line		
50			63361				
60			63370				
70			63390				
80			63500				
90			63415				
13005			63300				
10			63390				
20			63330				
30			63270				
40			63005				
50			63310				
60			63410				
70			63280				
80			63395				
90			63305				
14005			63310				
10			63445				
20			63490				
30			63575				
40			63520				
50			63574				
60			63546				

Prospect: Burgess. — Line No: 13530 '/

Co-ord	Time	Date	Gravity	Co-ord	Time	Date	Gravity
11005	2.45	24.6.38	63440	14005			63495
10			63045	30			63465
20			63410	40			63490
30			63417	14505	3.15		63520
40			63467		End of Line		
50			63490				
60			63025				
70			63355				
80			63471				
90			63495				
13005			63305				
10			63490				
20			63455				
30			63410				
40			63577				
50			63585				
60			63400				
70			63513				
80			63075				
90			63434				
13005			63465				
10			63435				
20			63305				
30			63410				
40			63430				
50			63545				
60			63440				
70			63506				
80			63545				
90			63415				
14005			63490				
10			63430				

Prospect: Burgess — Line No: 13604 '/

Co-ord	Time	Date	Gravity	Co-ord	Time	Date	Gravity
13505	12.15	24.6.38	63410	13705			63015
60			63488	80			63303
70			63424	90			63485
80			63435	14005	13.37		63400
90			63403		End of Line		
11005			63414				
10			63490				
20			63405				
30			63437				
40			63530				
50			63515				
60			63411				
70			63440				
80			63470				
90			63500				
13005			63490				
10			63485				
20			63505				
30			63440				
40			63465				
50			63521				
60			63537				
70			63390				
80			63411				
90			63541				
13005			63490				
10			63155				
20			63119				
30			63480				
40			63505				
50			63486				
60			63435				

Prospect: Burgess. — Line No: 13530 '/

Co-ord	Time	Date	Gravity	Co-ord	Time	Date	Gravity
13505	1.15	24.6.38	63625	13705			63505
60			63515	80			63295
70			63630	90			63480
80			63535	14005	1.30		63004
90			63055		End of Line		
11005			63470				
10			63490				
20			63415				
30			63415				
40			63470				
50			63405				
60			63410				
70			63515				
80			63479				
90			63430				
13005			63410				
10			63590				
20			63300				
30			63464				
40			63430				
50			63515				
60			63435				
70			63380				
80			63330				
90			63495				
13005			63455				
10			63505				
20			63430				
30			63706				
40			63464				
50			63515				
60			63060				

230

720240

Prospect: Burgess Log No: 13500 '/

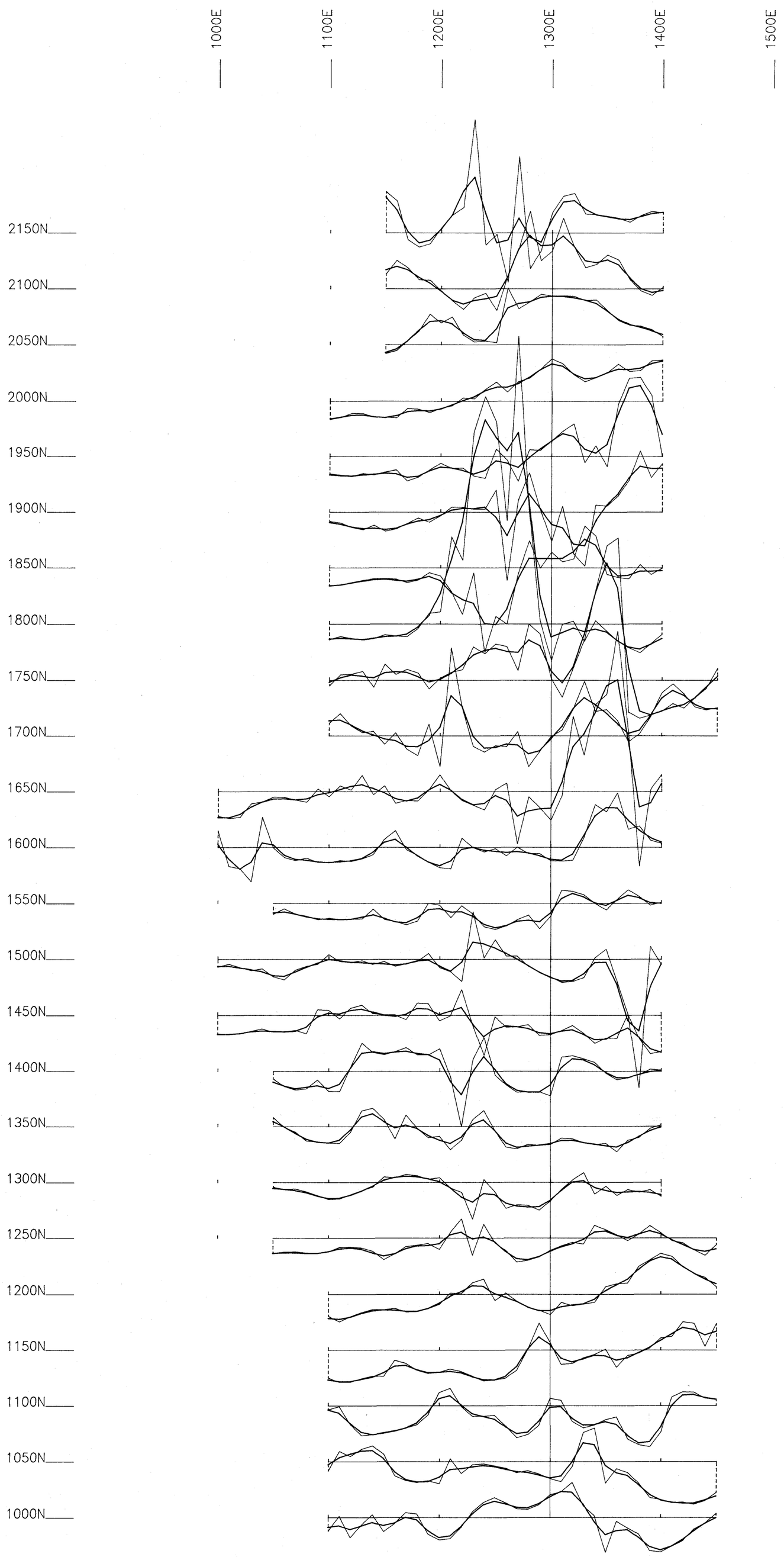
Co-ord	Type	Date	Gamma's	Co-ord	Type	Date	Gamma's
11000E	Surf	26/6/68	63735				
10			63840				
20			63538				
30			63770				
40			63867				
50			63855				
60			63928				
70			63930				
80			63500				
90			63960				
12000E			63975				
10			63930				
20			63970				
30			63580				
40			63990				
50			63944				
60			63960				
70			63910				
80			63895				
90			63943				
13000E			63915				
10			63880				
20			63870				
30			63840				
40			63875				
50			63870				
60			63900				
70			63915				
80			63900				
90			63930				
14000E	Surf		63990				

Prospect: Burgess Log No: 13500 '/

Co-ord	Type	Date	Gamma's	Co-ord	Type	Date	Gamma's
11000E	Surf	25/6/68	63930				
10			63915				
20			63910				
30			63870				
40			63940				
50			63945				
60			63895				
70			63925				
80			63985				
90			63960				
12000E			63940				
10			63930				
20			63925				
30			63930				
40			63920				
50			63980				
60			63900				
70			63880				
80			63860				
90			63910				
13000E			63900				
10			63915				
20			63900				
30			63940				
40			63922				
50			63935				
60			63940				
70			63960				
80			63903				
90			63940				
14000E	Surf		63970				

APPENDIX 5

BRASSEY HILL / BRASSEY NORTH AREA



720242

5 cm

88-2876

TOTAL MAGNETIC PROFILES

VERTICAL SCALE : 2000 nT/cm
BASE LEVEL : 64000 nT
RAW DATA : ———
FILTERED DATA : ———

SCALE 1:2500

50m 25m 0m 50m 100m

BIG RESOURCES MANAGEMENT LTD

HEAZLEWOOD E.L. 21/85
Tasmania

7758

BURGESS
MAGNETOMETER SURVEY
PROFILES LINES 1000N TO 2150N

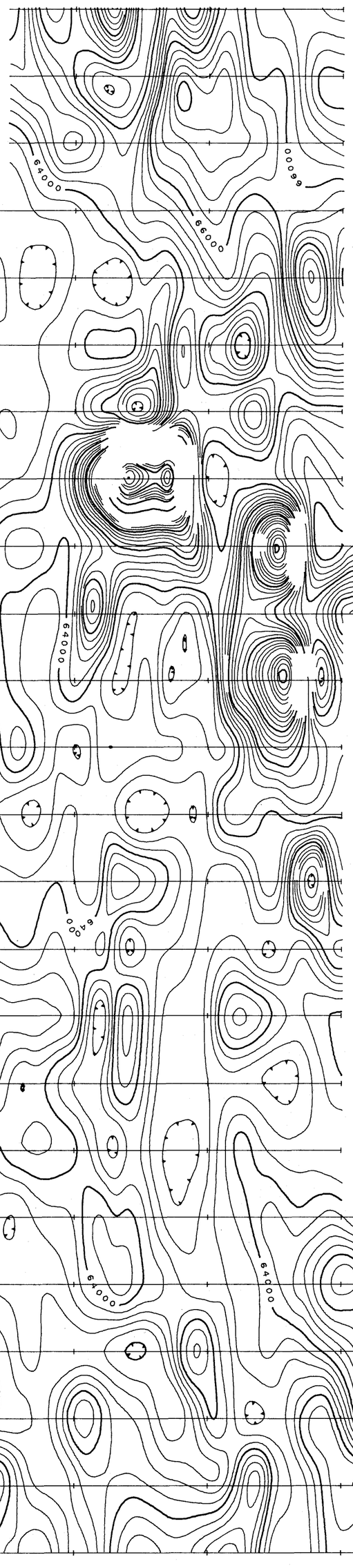
COMPILED BY SCINTREX PTY LTD AUGUST 1988

C232 PLATE 1

Dwg. No.: 02/HZ/4/02

1000 EAST 1100 EAST 1200 EAST 1300 EAST 1400 EAST

2150 NORTH
2100 NORTH
2050 NORTH
2000 NORTH
1950 NORTH
1900 NORTH
1850 NORTH
1800 NORTH
1750 NORTH
1700 NORTH
1650 NORTH
1600 NORTH
1550 NORTH
1500 NORTH
1450 NORTH
1400 NORTH
1350 NORTH
1300 NORTH
1250 NORTH
1200 NORTH
1150 NORTH
1100 NORTH
1050 NORTH
1000 NORTH



1000 EAST 1100 EAST 1200 EAST 1300 EAST 1400 EAST

TOTAL MAGNETIC CONTOURS

GRID MESH SIZE : 5m x 2m
CONTOUR INTERVAL : 400 nT

SCALE 1:2500

50m 25m 0m 50m 100m

5 cm

88-2876

720243

BIG RESOURCES MANAGEMENT LTD

HEAZLEWOOD E.L. 21/85
Tasmania
BURGESS
MAGNETOMETER SURVEY

CONTOURS LINES 1000N TO 2150N

COMPILED BY SCINTREX PTY LTD AUGUST 1988

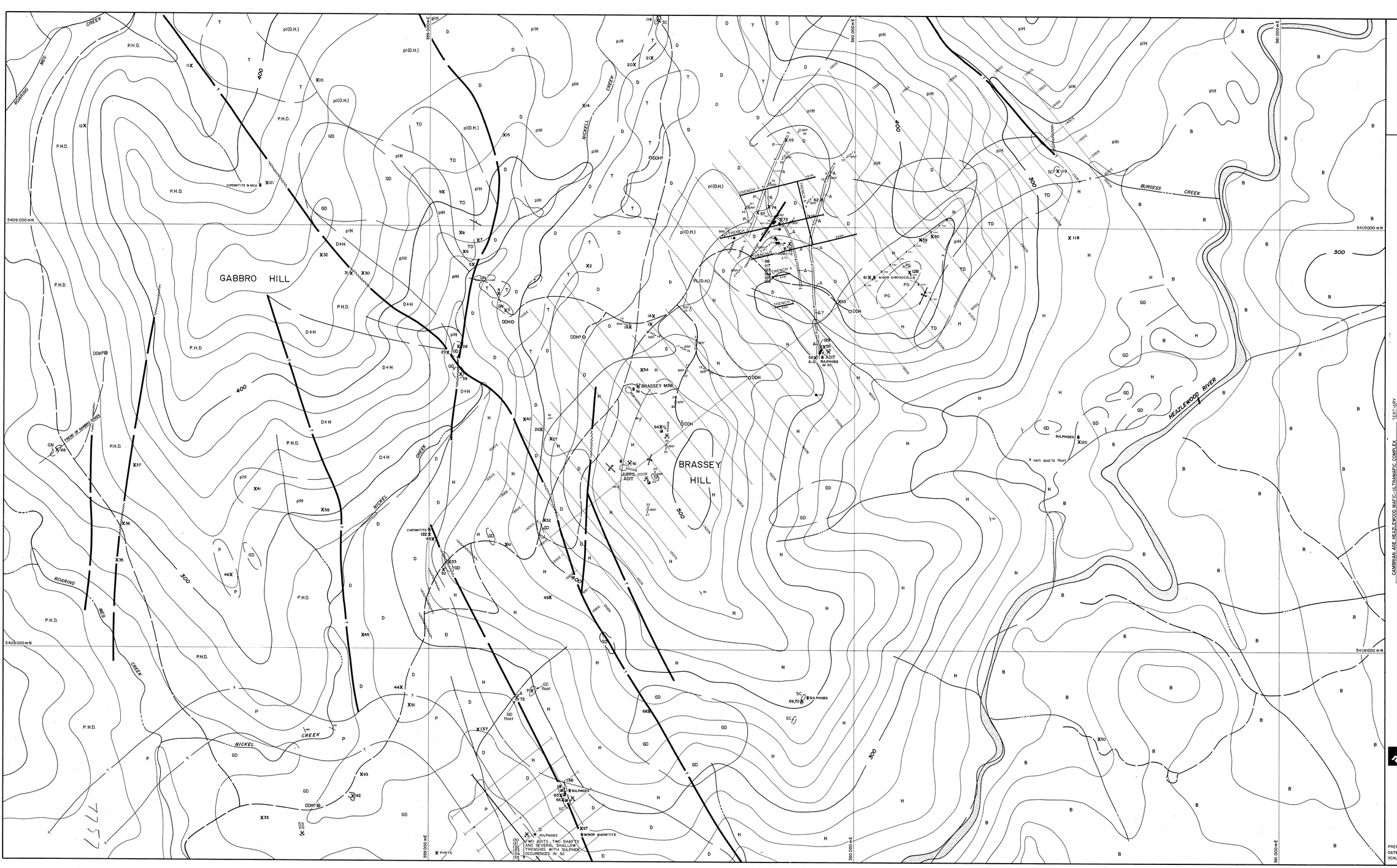
C232 PLATE 2

Dwg. No.: 02/HZ/4/03

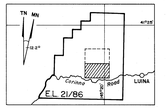
APPENDIX 5A

BRASSEY HILL SHEET - GEOLOGY
1:2,500

from
~~See~~ TCR 872644
also end of this volume



LOCATION MAP



LEGEND

- TRENCH
- DRILL COLLAR POSITION WITH DRILLHOLE DIRECTION
- SAMPLE LOCALITY (PREFIX 8796)
- X 60 SAMPLE LOCALITY (PREFIX 231)
- ROCK CHIP SAMPLE LOCATION (PREFIX 725)
- 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
- CREEK
- DDH PRE M.E.L. DIAMOND DRILL HOLE SITE
- CHROMITITE MINOR MINERAL OCCURENCE
- Os OSMIRIDIUM
- ABANDONED ALLUVIAL WORKINGS
- ABANDONED HARD ROCK WORKINGS
- Ni MINE NOT BEING WORKED
- QUARRY
- SHALLOW SHAFT, TRENCH

TERTIARY

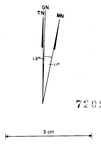
TB	BASALT

CAMBRIAN AGE HEAZLEWOOD MAFIC-ULTRAMAFIC COMPLEX

B	BASALT
PG	PLAGIO GRANITE
SC	SILICA CARBONATE ROCK
A	ANORTHOSITE
T	TROCTOLITE
GD	GABBRO/DOLERITE
GN	GABBRO/NORITE
P	PYROXENITE
H	HARZBURGITE (pH PLAGIOCLASE HARZBURGITE)
D	DUNITE

MULTI LITHOLOGY ROCK GROUPS

P.H.D.	INTERLAYERED PYROXENITE - HARZBURGITE - DUNITE
pl(D.H.)	INTERLAYERED PLAGIOCLASE DUNITE - PLAGIOCLASE HARZBURGITE
pl(D.H.)T	INTERLAYERED PLAGIOCLASE DUNITE - PLAGIOCLASE HARZBURGITE - TROCTOLITE
TD	INTERLAYERED TROCTOLITE - DUNITE



88-2876

METALS EXPLORATION LIMITED

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

Interpretation of Fact Geology

BRASSEY HILL SHEET 7757

PREPARED : T. SUMMONS, K. MORRISON, G. ANDERSON
DATE OCTOBER 1986 Fig. No. 3C
SCALE 1:2500
Dgn No 02/HZ/2/08

BASE MAP DRG. NO. 86-336

APPENDIX 5B

GEOCHEMICAL ASSAYS

234

720247

ANALABS

A Division of Macdonald Hamilton & Co. (1978) Ltd.

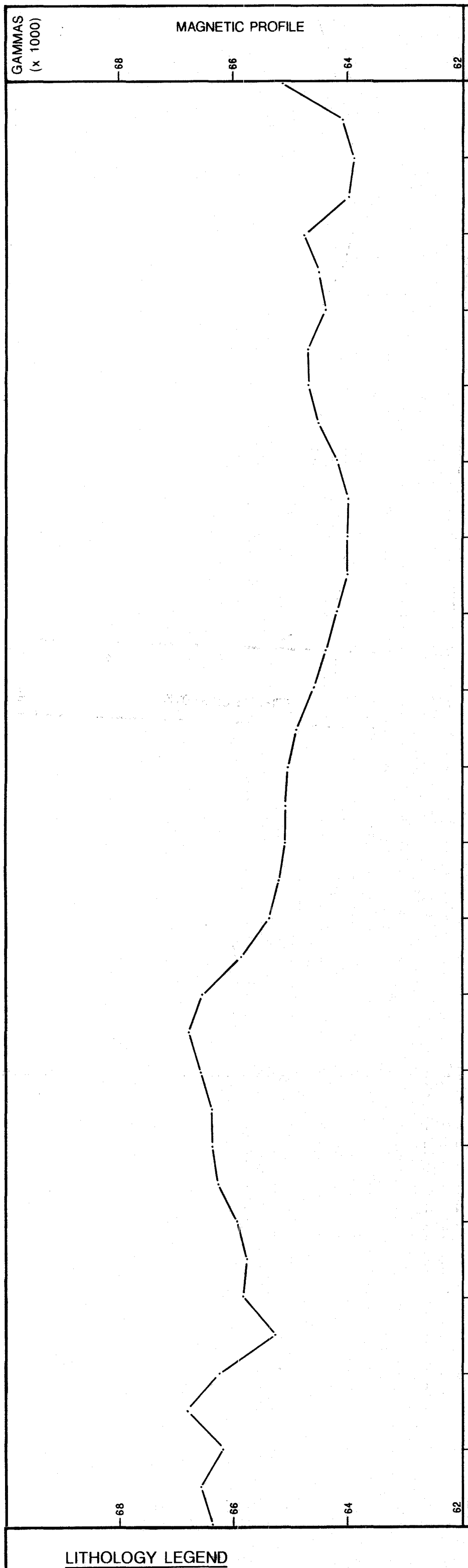
ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	READY DATE	CLIENT ORDER NO.	PAGE
	142.2.08.05739	04/10/88	19410	1 OF 1

LINE NO.	SAMPLE NO.	Cu	Au			BRASSEY	GRID			
1	725486	<5	<0.01			1950N	1450E	Harzburgite		
2	725487	150	<0.01			1975N		H		
3	725488	<5	<0.01			2000N	1450E	H		
4	725489	<5	<0.01			2025N		H		
5	725490	<5	<0.01			2050N	1450E	Harzburgite		
6	725491	<5	<0.01			2075N		H		
7	725492	<5	<0.01			2100N	1450E	TONALITE		
8	725493	<5	<0.01			2125N		T		
9	725494	<5	<0.01			2150N	1450E	T		
10	725495	<5	<0.01			2175N		T		
11	725496	<5	<0.01			2200N	1450E	HARZBURGITE		
12	725497	<5	<0.01			2050N	1475E	H		
13	725498	<5	<0.01			2050N	1500E	H		
14	725499	<5	<0.01			2050N	1525E	H		
15	727187	<5	<0.01			2050N	1550E	H		
16	727188	<5	<0.01			2050N	1575E	H		
17										
18										
19										
20										
21										
22										
23	DETECTION	5	0.01							
24	UNITS	PPM	PPM							
25	METHOD	101	329							

APPENDIX 5C

TRENCH GEOLOGY AND GEOCHEMISTRY



METRES	LITH.	STRUCTURE (ARBITRARY ↑ MN)	% CHROM.
00			1-2%
		90 / 40	
		315 / 80; 28 / 68 Fe, s	
10	Dn		
		WATER IN TRENCH	
20			
		315 / Anorth Dyke	
30	Dn		
	Dn		
40		s slicks; 90 / 160; 340; 325; 75; 105	3-5%
		230; 42 / 100; 290 / s /Ni?	
50	Dn		
60			
		320; 260 / 90; 310 / 90; 20 / 55; 360 / 68; 200	
70			
80		82 / 85; 85; 40 / 80; 220; 20; 90; 20 / 54; 250 / 57; 70; 15; 210; 50 / 80	1-3%
90			
100		gr s 70 / 81; black S veining 102 / 330	
	Dn		
110			
120		WATER IN TRENCH	
130			
140			
150		WATER IN TRENCH	
160		320 s veining	1-3%
170	Dn		
		WATER IN 320 black s veining TRENCH	
180			
62	E.O.T. 190m		

DESCRIPTION	3m SAMPLE RESULTS ppb Au	Pt	Pd	Ru	Rh	Ir	Os	% Ni	% Cr	1m SAMPLING
DUNITE: ol gr-br, blocky, part.	<2	15	6	8	3	4	6	.16	.07	
serpent., minor mag/s veinlets.	8	11	7	5	5	5	4	.09	.07	
1-2% f-m dissem. cr.	2	12	4	11	4	5	4	.26	.05	
Uniform blocky dunite, as above.	6	16	7	19	4	4	6	.26	.04	
Ripples in s (-5cm).	<2	3	2	9	3	3	2	.27	.07	
	<2	6	7	18	5	7	6	.29	.07	
	<2	6	6	12	4	6	2	.25	.06	
	2	2	3	9	4	3	2	.25	.07	
ANORTH. DYKE:(26.5-27.5m) (35-37m)	<2	5	4	6	4	3	2	.25	.11	
- wh, gr-wh, mottled, hard, dense,	<2	1	2	22	6	8	3	.24	.15	
brittle, veined, part.Sp, jointed,	4	6	3	16	4	7	4	.25	.12	
flow banded in part. Minor	<2	6	4	8	4	7	4	.24	.09	
xenoliths dunite - plag. altered	2	5	0	11	5	6	4	.26	.16	
to garnet. Anorth. grades locally	<2	4	6	11	3	7	4	.24	.11	
to gabbro-dolerite, usually plag	<2	5	2	7	5	6	6	.25	.13	
(garnet)-rich. Minor bl-gr min.	<2	4	2	5	3	6	4	.27	.15	
staining-minor, spotty Native Cu.	<2	5	5	12	4	6	2	.26	.14	
2nd anorth.dyke (41-42m)-Lith. as	<2	5	6	7	3	6	4	.18	.08	
above. Dn wall rocks show chilled	<2	5	6	6	2	4	<2	.18	.06	
margin alteration. DUNITE: lt.gr,	2	3	1	2	3	4	2	.18	.05	
Sp, blocky, uniform. Mesh texture	<2	26	3	11	3	5	<2	.19	.11	
etched by weath. 2-5% m dissem.cr.	<2	3	2	8	2	6	4	.21	.09	
Wh s veining,common MnO_2? mottling.	<2	4	4	13	2	3	<2	.17	.08	
Local fibrous s mins.	4	4	7	16	2	7	2	.17	.14	
Hard bar in sepent.Dn-Anorthosite	<2	2	5	9	2	4	<2	.25	.13	
float.	<2	3	3	11	3	5	2	.28	.13	
Serpentine ripples (-5 cm).	<2	3	3	8	3	5	4	.27	.14	
DUNITE: uniform br-ol.gr, blocky	4	4	0	14	3	5	<2	.28	.13	
very little veining, fine mesh ol	<2	3	6	15	2	5	<2	.26	.21	
texture preserved. 1-3% f-m dissem.	<2	3	2	3	3	4	<2	.21	.10	
cr. Locally more intense serpent.	2	7	5	8	2	7	<2	.22	.10	
& veining - heavy Fe ox weathering.	<2	3	8	1	3	5	<2	.28	.13	
Abund. bl Ni? colour on some joint	2	4	3	10	2	6	2	.25	.16	
faces. Anorthosite float.	6	7	4	11	4	5	4	.27	.15	
- serpentine veining in Dn.	<2	9	5	10	2	4	4	.23	.09	
	2	18	3	12	3	5	2	.24	.13	
Deeply weathered, abund. wh	2	19	7	11	1	6	2	.24	.13	
fibrous s on joint faces.	<2	4	6	9	3	5	4	.20	.14	
	2	14	5	4	2	4	<2	.23	.08	
Abundant wh fibrous s mins.	<2	10	5	8	3	4	3	.23	.14	
	6	27	5	16	6	3	6	.20	.07	
	4	5	2	5	4	3	<2	.21	.10	
Local intense serpent.Dn - dk gr,	<2	21	8	8	3	5	<2	.21	.13	
veining, slicks.	<2	8	2	10	2	5	4	.24	.08	
DUNITE: rd-br serpent. & deeply	4	7	0	1	1	4	<2	.22	.05	
weathered, alternating with dk gr,	4	6	10	1	4	5	2	.21	.05	
veined and less weathered.	<2	9	0	5	5	4	<2	.15	.04	
	<2	8	5	3	4	4	<2	.14	.05	
	<2	5	3	3	2	2	2	.21	.04	
	<2	5	2	3	4	4	4	.22	.06	
	<2	10	3	8	2	4	2	.19	.05	
	<2	7	7	8	2	3	<2	.25	.06	
BR6 intersection.	<2	8	3	3	5	5	2	.21	.07	
- Sp veining-significant magnetic	<2	5	8	7	2	4	<2	.19	.05	
interference.	4	9	5	8	4	4	4	.21	.06	
Silver/gr mica, ferrug. weathering,	4	16	4	2	3	3	4	.22	.07	
abund. magnetic detritus in talus,	4	10	3	11	3	3	2	.21	.08	
soil.	<2	7	4	5	3	3	<2	.20	.07	
DUNITE: as above - trench in poor	2	6	4	9	4	3	<2	.17	.04	
condition, rocks poorly exposed.	<2	5	4	4	4	4	2	.22	.08	
- abund. ferrug. rd/br weathering,	<2	5	4	10	5	4	4	.20	.08	
abund. bk s veining (1cm), partly	<2	6	7	9	3	2	<2	.17	.13	
sinuous (mean trend -320°).	<2	8	3	8	2	3	<2	.15	.03	
	<2	7	4	2	4	4	2	.18	.05	

LITHOLOGY LEGEND

Dol	DOLERITE
Dn	DUNITE
Px	PYROXENITE
Hz	HARZBURGITE
Ct	CHROMITITE
Sp	SERPENTINITE

88-2876

5 cm

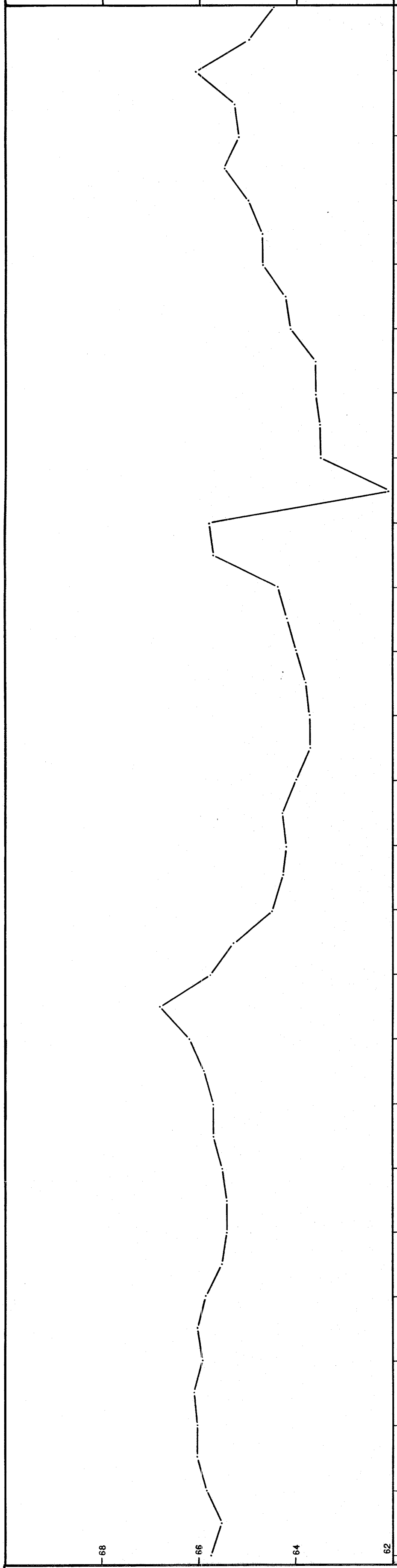
METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85 Tasmania

Title: BRASSEY TRENCH 1

Author	Date 8/88	Scale 1:500	
Drawn S.L.C.	Office PER	Revised	Date
Drawing No. 02/HZ/3//19			Fig. No.

720249



METRES	LITH.	STRUCTURE (ARBITRARY ↑ MN)	% CHROM.
00			
			1-2%
		120/85; 77/220	
10			
	Dn		
		67/230; WATER IN TRENCH	
20			
30		80 Fe 75; 70/210; 345; 65; 30	
			1-5%
40		80/90; 220; 330; 300; 30; 55; 80; 90	
		20; 68; 265; 64	
50			
	Dn		
60		45/210; 180	
		270/70; 290/85; 20; 80; 35; 360; 70/s	
70	Dol/Gab		
		170	
80			
90	Dn		2-5%
		fibr.s 250; 360; 90; 345; 30	
100			
110		320	5% +
120			
		330; 270/70; 25/270; 55; 10	
130	Dn		
140			
	An	310	
150		60; 215; 78; 125; 20; 200	0-1%
	Dn		
160			
			3%
170			
		310; 78; 75; 25; 220; 290; 52; 45	
180			
	Dn		
190			
200			
		70/90; 90; 195; 15; 160; s 275; 75; DRILL SLIMES IN TRENCH	1-3%
210			
220			
	Dn		
230			
240		E.O.T. 241m	

DESCRIPTION	3m SAMPLE RESULTS ppb Au	Pt	Pd	Ru	Rh	Ir	Os	% Ni	% Cr	1m SAMPLING
DUNITE: lt gr-gy, blocky-fissile,	<2	4	4	5	2	5	<2	.20	.13	
abund. Fe oxide staining - s	<2	3	4	9	3	4	<2	.22	.13	
deposits on fract. faces.	<2	4	5	12	1	5	<2	.19	.11	
- local bl-gy Ni? colour in s.	<2	4	1	20	2	7	2	.20	.12	
1-2% dissem. f-m cr.	<2	1	6	17	5	5	4	.20	.12	
SERPENTINITE: bk-dk gr & wh, bl s	<2	5	2	8	2	4	6	.23	.07	
in part deeply weathered, mainly	<2	3	5	12	2	3	4	.22	.06	
brittle, sheared with abund. fine	<2	3	4	10	2	4	<2	.22	.06	
mag veining.	<2	12	4	2	2	3	4	.17	.04	
DUNITE: olive gr-br, blocky,	<2	11	2	6	2	3	<2	.18	.04	
variable fine mag/s veining-abund.	<2	12	4	4	3	5	2	.26	.06	
bl s mins.on fracture faces. 1-3%	<2	21	6	12	3	4	6	.20	.06	
dissem. f-m cr. - local Px float.	<2	8	4	5	3	3	2	.10	.03	
Mag veining, trellis pattern in Dn.	<2	6	3	11	3	5	<2	.29	.09	
Shear (10cm wide) - wh, black	<2	6	3	9	2	3	2	.25	.06	
fibrous s mins.	<2	4	2	9	2	3	<2	.26	.05	
- Gabbro float.	<2	4	6	7	3	2	<2	.22	.05	
DUNITE: as above.	4	6	0	17	1	3	2	.25	.09	
- locally sub fissile, variable	<2	3	4	13	3	4	<2	.26	.14	
serpent., slicks.	2	3	7	4	2	4	<2	.26	.09	
- local shear (1m wide).	<2	3	3	8	2	4	2	.16	.05	
	<2	5	5	4	3	5	<2	.23	.11	
Locally blotchy weathering pattern.	<2	4	2	8	2	5	<2	.25	.12	
1-3% dissem. f-m cr.	<2	4	4	14	3	4	<2	.25	.13	
Ripples (~10cm).	<2	2	3	2	3	4	2	.28	.12	
Dolerite dyke (or layer).	<2	4	4	7	2	4	<2	.15	.04	
DOLERITE: heavily altered, assoc.	<2	6	6	4	3	5	<2	.18	.07	
with shear zone,intense s veining.	<2	4	2	12	3	4	<2	.10	.05	
	<2	4	5	15	3	4	<2	.26	.13	
DUNITE: br-ol gr, uniform, blocky,	<2	4	5	20	3	5	<2	.26	.12	
mesh texture preserved - Fe oxide	<2	4	2	12	2	4	<2	.19	.07	
+ wh, bk, bl s on fractures.	<2	7	2	10	3	4	<2	.26	.09	
2-5% dissem. f-m cr.	<2	9	14	14	2	5	<2	.25	.13	
DUNITE: as above - local fibrous	<2	9	3	7	2	6	<2	.22	.11	
s on joints.	6	6	3	14	3	4	<2	.27	.13	
- minor fissility, fine bk veining.	<2	4	3	15	4	5	<2	.25	.22	
- local coarse clots cr & mag.	<2	5	6	12	3	4	<2	.27	.21	
- intense local Sp shearing.	<2	21	3	11	2	4	<2	.26	.19	
	<2	15	2	5	4	4	<2	.27	.11	
Anorth., high plag (garnet) gabbro	<2	8	5	13	2	3	<2	.22	.12	
float.	<2	7	3	12	3	3	<2	.21	.09	
	<2	4	4	8	3	3	<2	.21	.04	
	<2	4	3	10	4	3	<2	.21	.05	
	<2	5	2	7	4	3	<2	.22	.05	
DUNITE: as above - minor veining,	<2	4	4	7	3	3	<2	.21	.06	
blotchy in part, weathered, part.	<2	7	3	11	7	4	<2	.20	.07	
serpent.	<2	7	2	10	3	3	<2	.20	.07	
ANORTHOSITE/GABBRO/TROCTOLITE	<2	5	4	6	4	3	2	.25	.07	
MIXED ZONE: Anorth.dyke (or layer)	<2	2	1	7	3	3	<2	.10	.08	
grading to high plag (garnet) m	4	6	4	8	4	5	4	.17	.08	
grained gabbro & troctolite (1m).	<2	5	2	13	5	5	2	.20	.10	
- max 1% bk opaques, f-m, anhedral.	4	5	3	12	3	4	<2	.21	.06	
Serpent. of Dn at chilled margin.	6	4	3	10	3	4	<2	.20	.08	
- asb veining parallel to dyke.	2	6	6	7	3	4	<2	.20	.08	
- pervasive jointing.	<2	6	2	13	4	5	2	.21	.08	
DUNITE: as above, flaggy-blocky,	<2	5	6	13	4	4	<2	.19	.06	
minor asb veining, serpent.	<2	6	5	12	4	4	2	.22	.10	
3% f-m dissem. cr.	<2	7	3	13	4	5	2	.25	.10	
	<2	5	3	13	5	5	4	.26	.13	
- DUNITE: moderately magnetic.	<2	5	5	13	5	6	<2	.27	.12	
	<2	3	0	15	4	5	<2	.26	.07	
	<2	7	4	16	4	5	4	.25	.10	
	<2	3	4	17	4	4	<2	.24	.07	
	<2	5	3	11	4	5	<2	.21	.08	
	<2	3	4	13	3	3	<2	.23	.05	
	2	4	4	12	4	5	<2	.31	.07	
Uniform lithology - Dn, as above.	<2	4	5	11	3	5	<2	.21	.06	
	6	4	10	7	3	4	<2	.21	.06	
Zone of intense Sp veining (3m).	<2	4	8	10	3	3	<2	.23	.06	
DR6 intersection.	<2	4	2	14	3	5	<2	.25	.09	
	<2	4	6	9	4	5	<2	.21	.09	
Road to drill pad (213-218m).	<2	7	6	7	4	4	4	.25	.07	
	6	5	2	9	5	5	6	.10	.06	
	<2	2	4	2	2	3	<2	.21	.05	
	6	2	1	7	3	5	4	.17	.07	
	2	4	3	7	2	2	<2	.16	.05	
	2	3	1	10	1	2	2	.15	.06	
DUNITE: ol gr-brown, blocky, part.	4	2	5	10	1	4	<2	.19	.04	
serpent., uniform. 1-3% f-m	4	5	6	9	4	5	2	.21	.07	
dissem. cr.	<2	4	8	6	6	3	4	.22	.05	
	2	8	3	6	5	3	2	.13	.05	

LITHOLOGY LEGEND

Gab	GABBRO
Dol	DOLERITE
Dn	DUNITE
Px	PYROXENITE
Hz	HARZBURGITE
Ct	CHROMITITE
Sp	SERPENTINITE
An	ANORTHOSITE

720250

88-2876

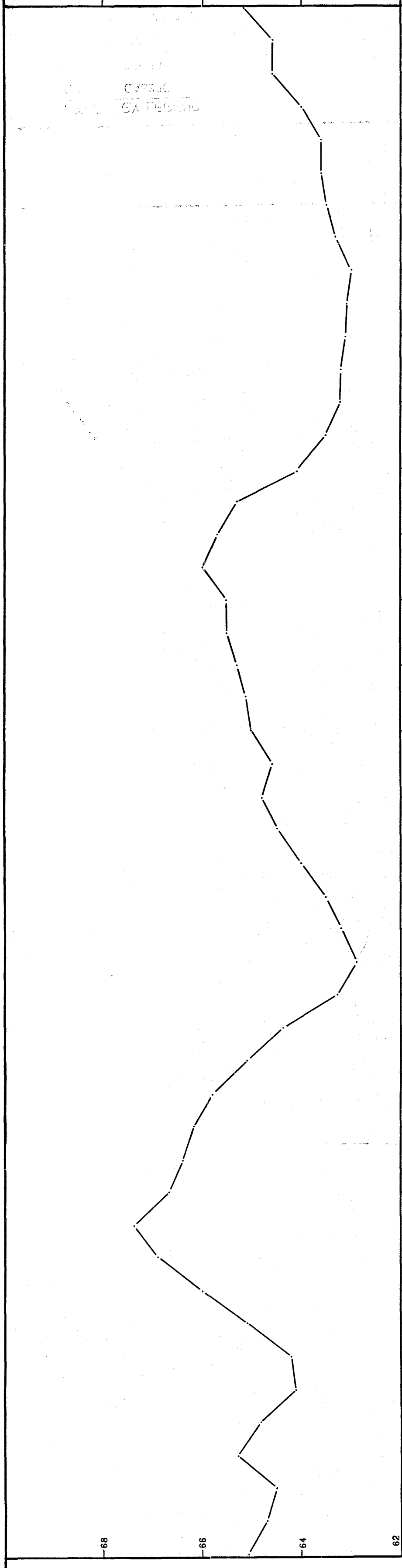
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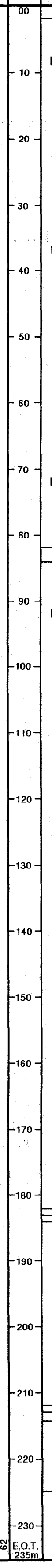
METALS EXPLORATION LTD.

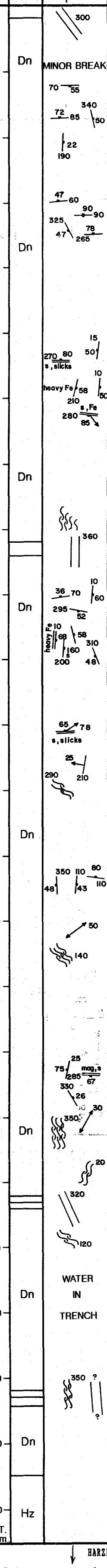
Project: HEAZLEWOOD EL21/85 Tasmania

Title: BRASSEY TRENCH 2

Author	Date 8/88	Scale 1:500	
Drawn S.L.C.	Office PER	Revised	Date
Drawing No. 02/HZ/3/20			Fig. No.









DESCRIPTION	3m SAMPLE RESULTS ppb Au	Pt	Pd	Ru	Rh	Ir	Os	% Ni	% Cr	1m SAMPLING
DOLERITE, DUNITE strike ridge:	<2	5	4	4	3	2	<2	.13	.08	
Dol-f grained, serpent., hardened	<2	5	4	8	3	2	<2	.14	.04	
with "egg carton" texture.	<2	9	4	5	3	2	<2	.19	.09	
Dunite - dk gr-dk grey, heavily	<2	5	0	7	3	2	<2	.21	.06	
serpent.,chilled at contact. Blue	<2	4	2	8	4	3	2	.21	.05	
Ni? colour in s mins. at contact.	<2	6	2	3	2	1	4	.20	.14	
DUNITE: ol gr, weathered, part.	2	3	0	3	1	0	2	.20	.14	
serpent., uniform, mod. magnetic,	<2	8	1	4	6	2	2	.17	.10	
variable fine s, mag, MnO_2 veining	<2	3	1	6	2	1	<2	.18	.07	
on joint faces. 3% f-m dissem.cr.	<2	5	3	6	2	2	<2	.17	.09	
- local intense s (22m) with up to	<2	7	4	3	2	2	<2	.19	.06	
30% mag. Multicoloured s mins. on	<2	6	1	4	4	2	<2	.22	.07	
joint faces. Anorth, Gabbro Talus.	<2	10	1	7	3	2	<2	.16	.06	
DUNITE: uniform, as above, some	<2	6	2	6	3	2	4	.18	.07	
primary mesh texture preserved.	<2	8	1	4	3	2	<2	.17	.06	
Original ol = coarse sand sized.	<2	6	1	9	3	2	<2	.17	.07	
	<2	6	3	6	4	2	2	.17	.08	
	<2	12	5	13	4	2	2	.18	.07	
Local intense slicks.	<2	4	5	15	3	1	<2	.20	.07	
	<2	3	10	9	3	2	4	.21	.06	
Major joint face, slicks. in s.	<2	8	4	18	3	3	<2	.18	.05	
	<2	3	8	4	3	1	2	.18	.06	
Abund. mag/s, slicks., smears on	<2	4	5	14	4	3	4	.19	.07	
joint faces (not in situ). Trench	<2	8	11	14	5	2	4	.20	.07	
in poor condition locally. - local	<2	9	6	10	4	2	2	.18	.06	
intense veining, serpent.,shearing,	<2	4	7	8	3	3	4	.22	.05	
abund. slicks., Anorth. talus.	<2	2	10	10	4	2	2	.19	.08	
ANORTHOSITE DYKE: wh-pink, gr	<2	3	10	8	4	1	2	.14	.05	
colour banding, dense, hard, non	<2	12	12	12	4	2	<2	.15	.06	
magnetic. Intense shearing, chill	<2	9	4	17	2	2	4	.25	.07	
effects on margin.	<2	6	30	4	3	1	4	.21	.08	
(84-86m) SERPENTINITE: dk gr-bk,wh,	<2	4	4	16	4	2	2	.20	.08	
heavily sheared, slicks.,broken up.	<2	8	7	9	4	2	<2	.23	.06	
DUNITE: olive gr, uniform, part.	<2	3	7	25	4	3	4	.24	.08	
serpent. 1-2% f-m dissem. cr.	<2	6	4	13	6	1	<2	.21	.08	
-local mottling,blotchy weathering.	<2	6	13	9	5	3	<2	.23	.10	
-local ferrug. soil, talus.	<2	3	7	9	3	2	<2	.20	.05	
Major joint surface.	4	13	4	7	4	2	4	.17	.05	
-local incr.in s, hardening of rock.	4	19	5	2	4	2	<2	.20	.08	
-minor blue mins. (Ni?) on joints.	2	10	5	9	4	2	4	.20	.09	
Minor intense serpent., 2mm veins	<2	13	7	8	7	1	2	.19	.07	
pseudomorphing asbestos.	<2	14	6	3	5	0	<2	.16	.10	
DUNITE: brown-ol gr, soft,	4	13	2	11	5	2	<2	.16	.06	
weathered, porous, low density,	<2	22	4	13	4	1	<2	.20	.05	
blotchy weathering pattern.	<2	26	11	4	6	1	4	.21	.07	
1-2% f-m dissem. cr.	<2	21	6	6	6	1	2	.21	.07	
	<2	9	4	3	4	1	2	.16	.05	
Serpentine vein trend.	<2	15	3	6	5	1	<2	.19	.04	
SERPENTINITE: dk gr-grey, sheared,	<2	14	8	8	4	2	<2	.16	.06	
brittle, resistant. Fine bk, wh	<2	20	14	9	3	0	2	.15	.05	
veining.	<2	22	4	14	7	3	2	.23	.10	
	2	19	1	11	4	1	6	.21	.09	
	<2	14	3	14	7	3	<2	.16	.04	
Veining parallel to joint strike.	<2	11	10	10	3	1	<2	.15	.04	
DUNITE: as above, abund. magnetic	<2	12	4	11	4	4	2	.18	.03	
debris, red, br ferrug. soil.	<2	8	3	11	3	1	2	.17	.06	
Fine s, mag veining.	<2	6	6	16	6	2	<2	.22	.04	
	<2	6	9	12	3	3	2	.19	.08	
	2	19	7	35	2	4	<2	.25	.13	
Abund. wh fibrous s.	<2	22	6	9	2	3	2	.22	.11	
GABBRO/ANORTHOSITE DYKE (0.5m):	<2	12	11	4	2	2	<2	.22	.10	
brecciated, pelletoidal, mixed	<2	5	9	11	1	2	<2	.18	.07	
lithology, dense, hard, blue-gr	<2	4	7	10	3	4	4	.23	.07	
min. staining. Intense serpent.,	<2	13	5	7	2	4	<2	.22	.04	
s veining at margins.	<2	4	3	11	1	2	<2	.23	.05	
DUNITE: as above, local dk gr	<2	9	10	4	2	3	<2	.25	.06	
intense serpent. Zones of	<2	14	7	6	3	2	2	.23	.08	
shearing/veining.	<2	12	4	17	4	3	<2	.20	.09	
Sp abund. 200-220m.	<2	10	10	8	1	3	<2	.21	.10	
SERPENTINITE/ANORTHOSITE/GABBRO:	<2	7	4	15	3	2	<2	.25	.14	
mixed zone,heavily serpent.,sheared,	<2	10	5	19	3	3	<2	.21	.13	
brecciated, fragmented, local bl-	<2	7	7	12	1	3	<2	.21	.06	
grey mins.- mainly sheared Sp.	<2	17	2	15	4	4	<2	.18	.06	
DUNITE: part. serpent., well	<2	13	4	9	2	2	<2	.19	.07	
preserved, fine mesh texture in	<2	17	4	6	0	2	<2	.18	.05	
part. Ave. 2% f-m dissem. cr.	<2	20	8	17	3	2	<2	.16	.04	
HARZBURGITE: poikolitic, 3-4cm	<2	13	3	14	3	3	2	.17	.07	
px oikocrysts with f plag, ol	<2	11	3	10	3	2	<2	.18	.05	
groundmass.										

HARZBURGITE: ridge - layering of px oikocrysts.

LITHOLOGY LEGEND

Dol	DOLERITE
Dn	DUNITE
Px	PYROXENITE
Hz	HARZBURGITE
Ct	CHROMITITE
Sp	SERPENTINITE

720251

88-2876

5 cm

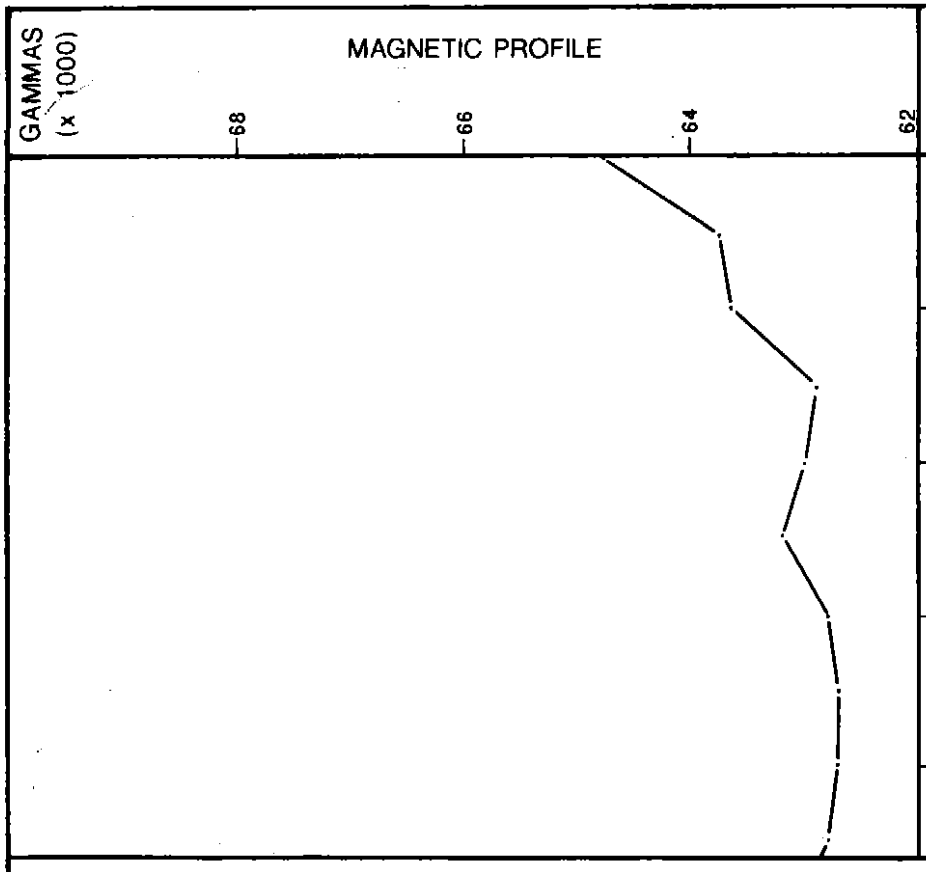
METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85
Tasmania

Title: BRASSEY TRENCH 3

Author	Date 8/88	Scale	1:500
Drawn S.L.C.	Office PER	Revised	Date
Drawing No 02/HZ/3/21			Fig. No.

88 2876



DESCRIPTION	3m SAMPLE RESULTS ppb Au	Pt	Pd	Ru	Rh	Ir	Os	% Ni	% Cr
DUNITE: olive gr, part. serpent.,	<2	4	5	8	2	0	<2	.17	.05
uniform, mesh texture part.	<2	5	7	3	3	1	<2	.14	.05
preserved - blocky, common fine,	<2	7	8	4	3	2	<2	.17	.08
black/wh mag/s veinlets. Local	<2	3	6	6	4	1	2	.17	.06
blue/grey Ni? colour on fractures	<2	3	4	7	3	1	2	.16	.07
- br/bl (minor br/rd) s mins.	<2	2	10	7	3	1	<2	.19	.15
Local wh mottling of dunite.	<2	1	6	5	3	1	<2	.17	.11
- foliated, poorly developed,minor	<2	3	11	7	2	1	<2	.16	.06
greeen, vitreous, s veinlets.	<2	0	3	4	2	1	<2	.20	.08
Abund. ferrug. talus, soil, rd-br	<2	4	4	3	3	0	<2	.17	.07
magnetic detritus.	<2	7	8	7	3	0	<2	.19	.05
Minor dolerite, heavily altered,	<2	6	3	7	4	1	4	.18	.07
and anorth./gabbro talus.	<2	9	3	10	3	2	<2	.15	.04
DUNITE: as above - mesh texture	2	8	4	5	2	2	<2	.19	.04
etched by weathering. 1-2% f-m	<2	10	3	12	3	2	2	.18	.13
euhedral dissem. cr.	<2	7	3	8	2	1	2	.18	.11
TROCTOLITE: serpent.,plag. altered to white garnet. Resistant rock on strike ridge, with irregular clots/layers anorthosite.									

1m SAMPLING

LITHOLOGY LEGEND

Gab	GABBRO
Dol	DOLERITE
Dn	DUNITE
Px	PYROXENITE
Hz	HARZBURGITE
Ct	CHROMITITE
Sp	SERPENTINITE

720252

88-2876

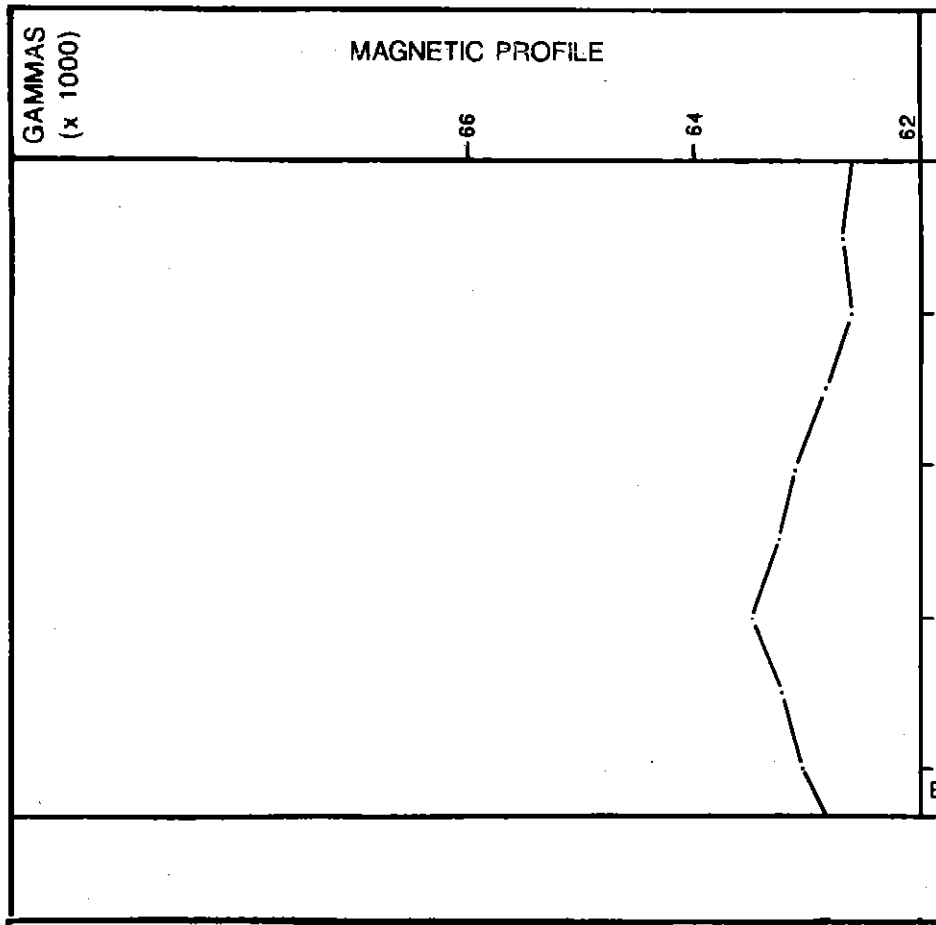
5 cm

METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85 Tasmania

Title: BRASSEY TRENCH 4

Author	Date 8/88	Scale 1:500	
Drawn S.L.C	Office PER	Revised	Date
Drawing No 02/HZ/3/24			Fig No



DESCRIPTION	3m SAMPLE RESULTS ppb Au	Pt	Pd	Ru	Rh	Ir	Os	% Ni	% Cr	1m SAMPLING
DUNITE: lt-dk gr, part serpent.-	2	2	6	4	2	1	2	.07	.02	
variable bk s, mag veining - variable	<2	6	6	8	2	0	<2	.17	.06	
fissility. Minor Sp with wh, bright	4	9	6	8	4	1	<2	.16	.04	
blue, minor red s mins. on surfaces.	<2	0	8	10	2	0	<2	.14	.04	
	3	17	6	10	4	2	<2	.23	.10	
2m wide shear in SERPENTINITE	2	9	6	9	4	1	<2	.18	.08	
intense shearing, with bk, wh	<2	4	7	8	2	1	<2	.16	.08	
s + asb veining.	<2	3	8	7	3	1	<2	.14	.08	
DUNITE: broken, sub fissile. Fe-weath-	2	2	5	6	3	1	<2	.14	.07	
ered talus-fine grained Dor or Px.	<2	6	8	3	3	1	<2	.14	.07	
2m wide dyke DOLERITE.	2	8	8	4	3	1	<2	.13	.06	
Fine gabbro-coarse dolerite dyke,	<2	7	10	2	3	0	<2	.12	.09	
altered. Abundant bl, wh s on	<2	14	8	5	4	2	<2	.15	.07	
fractures. 1-2% bk opaques.	<2	23	7	6	4	0	<2	.15	.06	
DUNITE: Olive gr, soft, uniform,	<2	18	9	7	4	2	<2	.13	.06	
blocky, part. serpent., minor f.										
bk veining. 1-2% f-m dissem. cr.										

LITHOLOGY LEGEND

Gab	GABBRO
Dol	DOLERITE
Dn	DUNITE
Px	PYROXENITE
Hz	HARZBURGITE
Ct	CHROMITITE
Sp	SERPENTINITE

720253

88-2876

5 cm

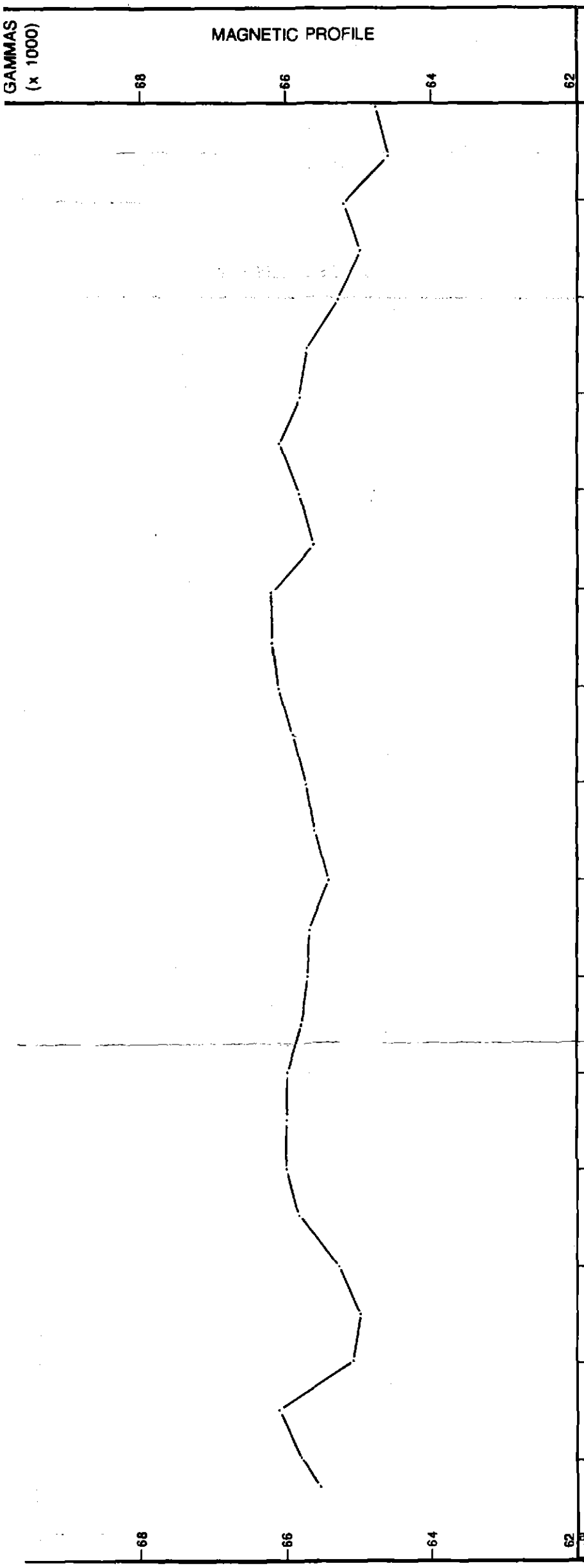
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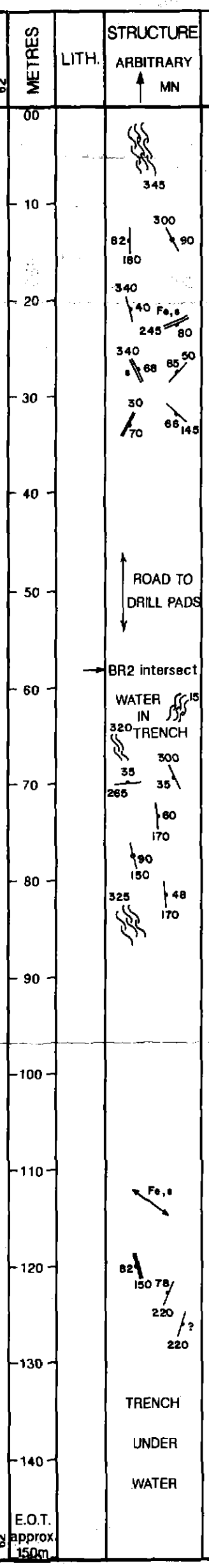
Project: HEAZLEWOOD EL21/85 Tasmania

Title: BRASSEY TRENCH 5

Author	Date 8/88	Scale 1:500	
Drawn S.L.C.	Office PER	Revised	Date
Drawing No. 02/HZ/3/25			Fig. No.

T23





% CHROM.	DESCRIPTION	3m SAMPLE RESULTS Au (ppb)	Pt (ppb)	Pd (ppb)	Ru (ppb)	Rh (ppb)	Ir (ppb)	Os (ppb)	Ni (%)	Cr (%)	1m SAMPLING
1-2%	DUNITE: olive gr-br-dk gr, serpent.	<2	15	4	17	5	2	<2	.20	.07	
	part. sheared, weathered, poorly	4	8	4	10	3	3	<2	.18	.10	
	preserved. Mainly blocky, minor	<2	0	8	8	3	1	<2	.16	.09	
	poorly developed foliation/	4	4	12	14	5	2	<2	.16	.08	
	fissility. 1-20% dissem. m cr.	<2	3	16	6	6	1	<2	.16	.04	
	Mottled,ferrug.weathering,variable	<2	2	5	6	3	0	<2	.19	.09	
	fine veins s/mag - minor fibrous s.	<2	8	6	13	2	3	2	.17	.09	
	- local gr-wh s mins. with mesh	<2	8	7	2	3	0	<2	.16	.08	
	pattern on some joint faces.	<2	1	5	3	3	1	<2	.16	.09	
	Deep ferrug. weathering, magnetic	4	8	2	10	3	4	<2	.21	.13	
	detritus in soil.	<2	6	6	11	6	5	<2	.23	.13	
	DUNITE: mottled, blocky, uniform,	<2	2	11	8	4	4	<2	.23	.08	
	1-2% dissem. f-m cr.	<2	5	7	5	5	5	4	.21	.13	
	SERPENTINITE: dk gr,abund.vitreous,	<2	6	2	13	5	5	2	.19	.13	
	talcose, internal slick. surfaces.	<2	12	15	22	7	6	4	.25	.15	
		<2	10	6	13	3	4	4	.18	.08	
		<2	10	3	13	6	6	4	.21	.14	
	DUNITE: serpent.-part. serpent.	<2	8	8	9	4	5	6	.21	.08	
	- lithology as above.	<2	4	4	10	4	5	4	.21	.10	
		<2	9	11	8	5	5	2	.26	.14	
	SERPENTINITE: dk gr-lt gr, wh-bk,	<2	5	2	5	5	4	4	.17	.11	
	abund. shearing, disruption-abund.	<2	7	10	6	4	6	2	.17	.09	
1-2%	veining, internal slicks., MnO_2,	<2	4	1	11	4	4	2	.17	.06	
	Fe ox, weathered.	<2	5	6	11	4	6	2	.17	.10	
	DUNITE: gr, part. serpent.,blocky,	<2	3	3	18	5	4	6	.17	.07	
	fine mesh texture with black/wh	<2	10	3	10	5	4	4	.17	.06	
	veinlets. 1-2% f-m dissem. cr.	<2	7	2	3	6	6	4	.19	.07	
	- local mottling, heavy Fe oxide	<2	6	5	3	4	5	6	.22	.08	
	staining, erratic fine veining.	<2	9	7	7	5	8	6	.20	.06	
	- intense shearing, serpent.	<2	2	5	14	4	6	<2	.18	.06	
		<2	9	4	5	3	4	2	.22	.06	
		<2	7	8	2	5	6	2	.26	.06	
	DUNITE: olive-br, mottled, weath.	<2	9	3	20	4	6	2	.18	.08	
	mainly massive-blocky, variable s	<2	5	5	4	3	6	<2	.22	.08	
	mins.,veining,abund.Fe oxide weath.	<2	9	8	10	5	4	2	.24	.08	
	Minor anorthosite float.	<2	4	5	11	5	6	<2	.22	.06	
		<2	7	6	7	4	5	<2	.23	.08	
	Major trend of fine bk/wh veining.	<2	4	4	6	4	4	4	.26	.07	
	Local fiss.,shallowly dipping to E.	<2	5	4	13	6	5	<2	.25	.07	
	Serpentine/magnetite laminations.	<2	3	4	13	6	7	<2	.28	.14	
		<2	11	2	13	4	5	2	.28	.14	
		<2	9	7	11	2	3	<2	.25	.14	
	Poor exposure.	<2	2	3	12	2	2	<2	.21	.08	
	Abund. wh fibrous s mins.	<2	24	3	16	3	5	4	.17	.07	
	- intense Sp, heavy Fe ox. weath.	<2	2	2	14	4	4	<2	.21	.16	
	- abund. sheared Sp in dump.	4	4	4	9	3	4	<2	.19	.06	
		<2	6	4	15	4	4	4	.22	.04	
	Trench inaccessible, rocks deeply	<2	10	3	9	3	4	<2	.22	.05	
	weathered.										
	Abund. veining, shearing, fissility.										

LITHOLOGY LEGEND

Dol	DOLERITE
Dn	DUNITE
Px	PYROXENITE
Hz	HARZBURGITE
Ct	CHROMITITE
Sp	SERPENTINITE

720254

88-2876

5 cm

METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85 Tasmania

Title: BRASSEY TRENCH 6

Author	Date 8/88	Scale 1:500	
Drawn S.L.C.	Office PER	Revised	Date
Drawing No. 02/HZ/3/26			Fig. No.

APPENDIX 5D

GRID MAGNETIC DATA AND MAP

243 LEAMAN GEOPHYSICS
Survey Review, Specification, Reduction, Interpretation
Wide Experience Most Methods
Specialties:- Gravity, Magnetics, Seismic Methods

Registered Office:
461 OCEANA DRIVE, HOWRAH, TAS. 7018
All Correspondence to:
G.P.O. BOX 320 D, HOBART, TAS. 7001.
TELEPHONE: (002) 47 8849 246 376

720256

February 9, 1988

Memo:

Mr. T.G. Summons,
Metals Exploration Ltd.,

Also attention: Mr. K.C. Morrison

Re: Brassy Hill magnetics, EL 21/85

I have reviewed the vertical component magnetic data presented. Although I have noted some worrying aspects in the data - such as misties, unclear markings or readings and wonder about the base reference - in the absence of the actual field notes, most of the apparent problems are probably up to several orders of magnitudes less than the critical aspects of the data. I have ignored these difficulties but such problems could hamper more detailed or extended work.

The data display severe spikiness and high amplitude variations. Line spacing of 100 m and observation interval of 10 m is unable to properly define these variations.

I have examined the anomaly (or data pattern) character for suggestions consistent with magnetite-bearing shears or major unit boundaries. The former can be recognised from spike character and patterns but the second is invisible without some analysis.

When the lines, plotted as profiles (insufficient data to attempt contouring), are reviewed a series of trends 110 to 130 magnetic can be inferred based on spike features. The intensity of the field is extreme and only magnetite, concentrated in narrow zones, could be the source.
Other, gross trends clearly related to lithological changes can only be recognised after continuation processing. These lie at 60 to 70 magnetic as inferred but some may be uncertain due to imperfect spike definition and failure to remove the frequency content of the spikes before filtering.

I am satisfied that the geological features sought can be defined magnetically. Some changes in coverage and approach are necessary, however, if the results are to be reliable and unambiguous.

e.g. Instrumentation: fluxgate or continuous reading vapour magnetometer. Proton precession unsuitable. Fluxgate most practical and cheapest.

Coverage: Must be better than 100 m grid. Need for data to be commensurate with targets where country permits at reasonable cost. A 50 m grid as compromise and preferably 2 m spacing on lines (say 2 paces). The extra coverage is required to define orientation and assist spike recognition (for shears) and then removal for gross appreciation. An alternative might be two line orientations; the grid and its diagonals for example.

Base station and referencing: Must be in an area of stable field away from mafics. Day or loop adjustments should be

244 LEAMAN GEOPHYSICS
Survey Review, Specification, Reduction, Interpretation
Wide Experience Most Methods
Specialties:- Gravity, Magnetics, Seismic Methods

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720257

confirmed as small if no base record kept.
Processing: Little should be necessary. Spike removal and simple continuation to 50 or 100 m will provide usable data for mapping purposes.

I trust the above to be of assistance to you. The most crucial element is the observation array and this will be governed by terrain and vegetation. Every attempt should be made to obtain a good "splatter" of stations even where a dense grid is impractical. Where narrow, high amplitude effects are sought and whose orientation must be established then a spread of data points will always be advisable and preferable to a grid. A solid grid with odd points IN each box is a much more realistic procedure.

Yours faithfully,

D Leaman

Dr. D.E. Leaman

LEAMAN GEOPHYSICS FOURIER PROFILE ANALYSIS

BRASSY MAGNETIC TRIAL 1100 N 1250-1450E
B:BRAS100N

DATA PLOT

SAMPLE SPACING (M) : 10
SAMPLES : 21

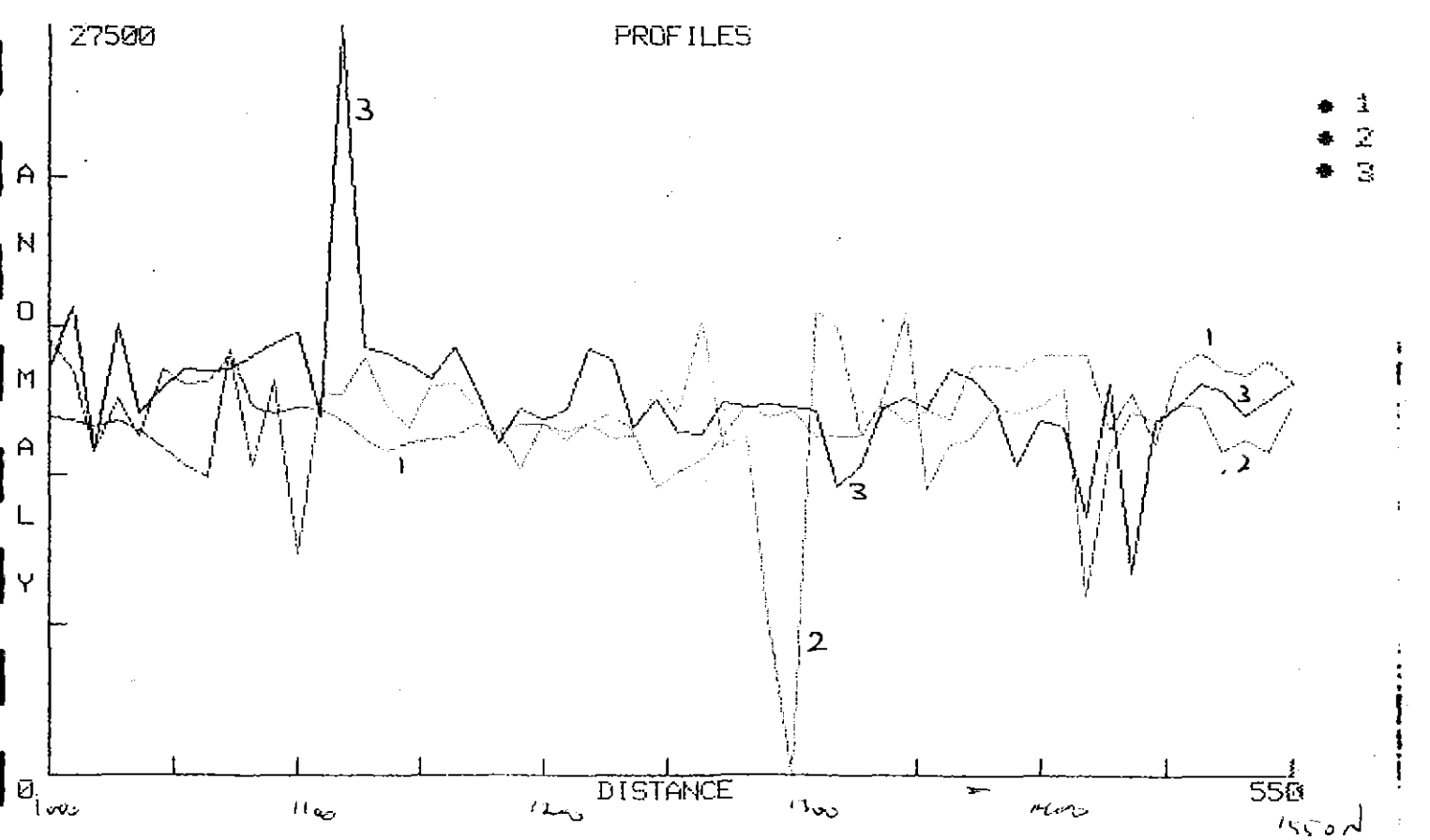
CONTINUATION HT (KM) : .1

CONTINUED DATA

-1030.4	-1054.3	-1080.6	-1108.9	-1138.7	-1169.4	-1200.3
-1230.6	-1259.0	-1284.2	-1304.7	-1319.0	-1326.1	-1325.2
-1316.0	-1298.8	-1274.2	-1243.5	-1208.4	-1170.5	-1132.1

1	B:BRAS125E	METALS EX BRASSY MAGNETICS TRIAL 1250E 1000-1550N
2	B:BRAS135E	METALS EX BRASSY MAGNETICS TRIAL 1350E 1000-1550N
3	B:BRAS145E	METALS EX BRASSY MAGNETICS TRIAL 1450E 1000-1550N

ZERO SHIFT : 14500

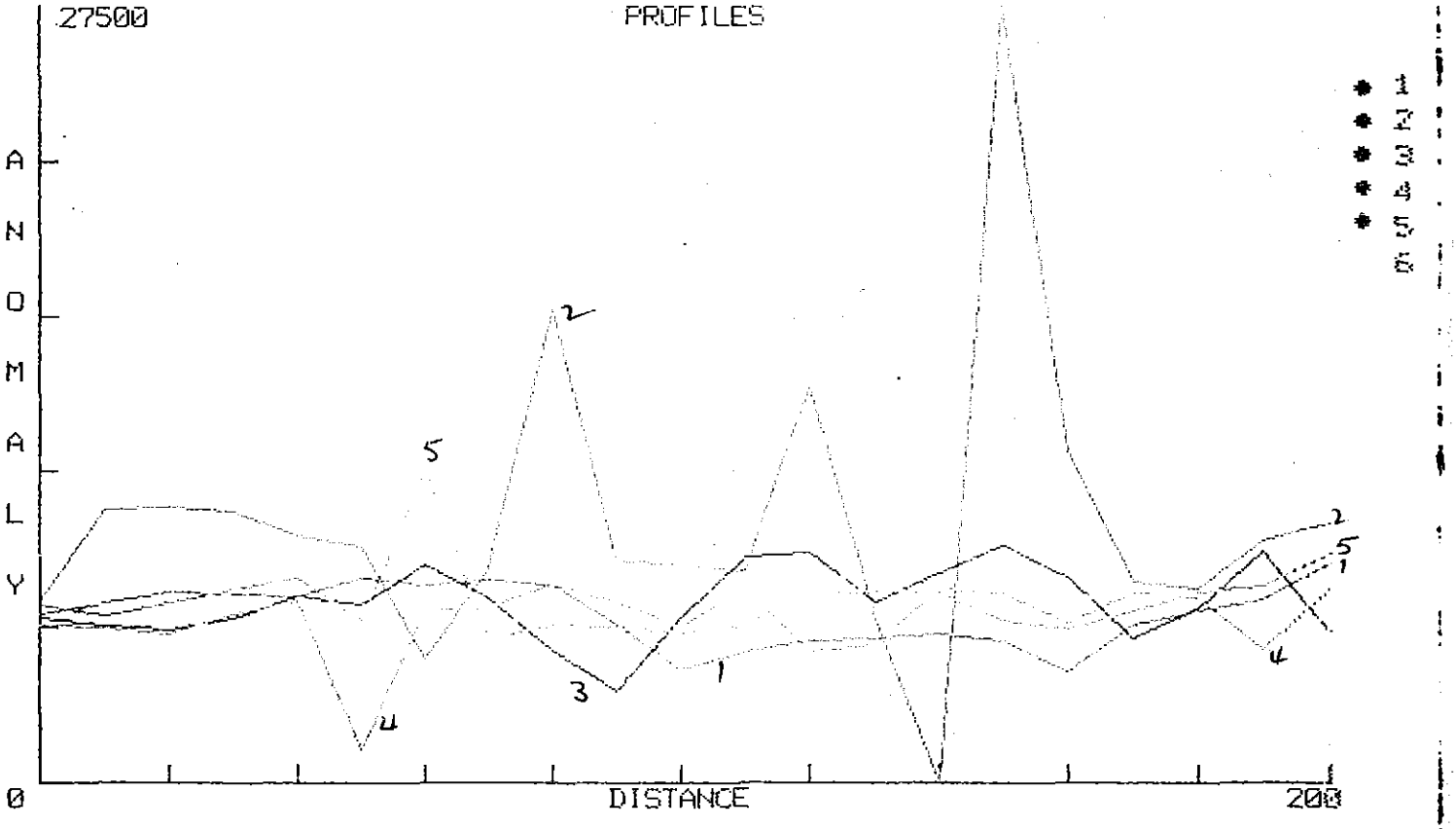


1666.1 2024.2 2182.6 2329.3 2560.0 3264.8 4128.8
5422.2

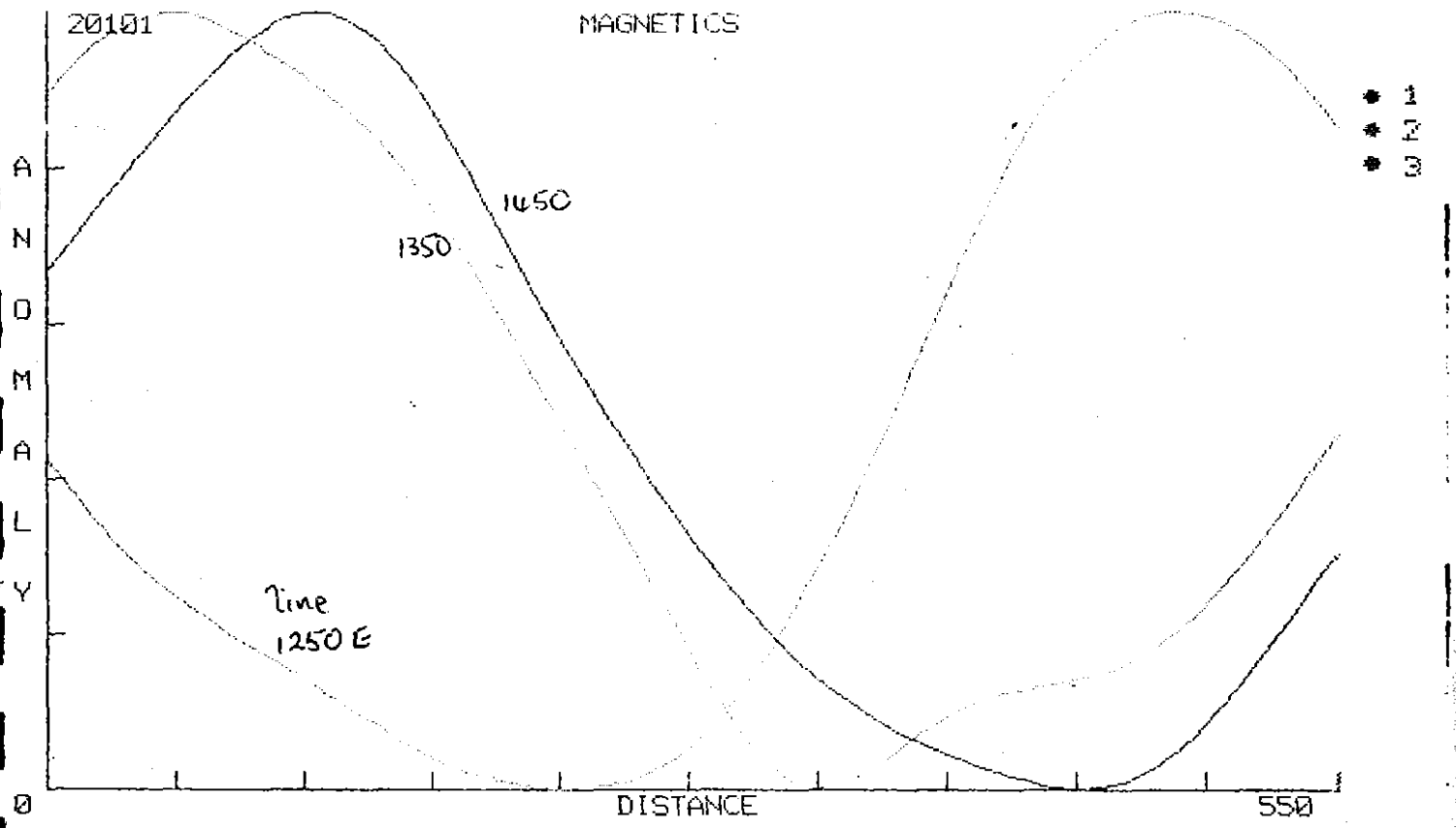
DATA PLOTS

1	B:BRAS100N	BRASSY MAGNETIC TRIAL 1100 N 1250-1450E
2	B:BRAS110N	BRASSY MAGNETICS LINE 1100N 1250-1450E
3	B:BRAS120N	BRASSY MAGNETICS TRIAL 1200N 1250-1450E
4	B:BRAS130N	BRASSY MAGNETICS TRIAL 1300N 1250-1450E
5	B:BRAS140N	BRASSY MAGNETICS TRIAL 1400N 1250-1450E
6	B:BRAS150N	BRASSY MAGNETICS TRIAL 1500 N 1250-1450E

ZERO SHIFT : 7700



```
 1            B:B125EC10     305.7087 *  to 711.0436 *
BRASSY MAGNETICS TRIAL 125E 1000-1550N CONTINUATION 100N
 2            B:B135EC10     253.164        528.3043
BRASSY MAGNETICS TRIAL 135E 1000-1550N CONTINUATION 100N
 3            B:B145EC10     538.9405       1204.848
BRASSY MAGNETICS TRIAL 145E 1000-1550N CONTINUATION 100N
```



CONTINUATION EXAMPLES

LONG LINES at 100m

NORMALISED SCALING.

Note variation in range (marked *)

Prospect: Barney Line No: L1400E 2/

Base Line

Co-ord	Time	Date	Gamma	Co-ord	Time	Date	Gamma
11400N		7.2.98	61460	1260			61560
11500N			61490	70			61570
60			61530	80			61600
70			61545	90			61620
80			61580	2200N			61650
90			61600	10			61660
12500N	8.55	7.2.98	61610	20			61680
10	9.00	8.2.98	61620	30			61690
20			61650	40			61700
30			61675	2250N			61720
40			61690	60			61730
12750N			61710	70			61750
60			61730	80			61760
70			61750	90			61780
80			61770	2300N			61800
90			61790	10			61815
13000N			61810	20			61830
10			61830	30			61850
20			61850	40			61870
30			61870	2350N			61890
40			61890	60			61910
13050N			61910	70			61930
60			61930	80			61950
70			61950	90			61970
80			61970	2400N			61990
90			61990	10			62010
13100N			62010	20			62030
10			62030	30			62050
20			62050	40			62070
30			62070	2450N			62090
40			62090	60			62110
13150N			62110	70			62130

Prospect: Barney Line No: L1400E 1/

Base Line

Co-ord	Time	Date	Gamma	Co-ord	Time	Date	Gamma
10000N	5.13	2.98	61500	1320N			62345
10			61560	30			62400
20			61610	40			62440
30			61630	1350N			62460
40			61660	60			62490
10050N			61680	70			62480
60			61705	80			62457
70			61733	90			62438
80			61760	1400N	4.45	8.2.98	62420
90			61790	10	5.15	7.2.98	62407
10100N			61825	20			62388
10			61844	30			62360
20			61868	40			62340
30			61885	1450N			62320
40			61905	60			62300
10150N			61925	70			62280
60			61945	80			62260
70			61965	90			62240
80			61985	1500N			62220
90			62005	10			62200
10200N			62025	20			62180
10			62045	30			62160
20			62065	40			62140
30			62085	1550N			62120
40			62105	60			62100
12500N			62125	70			62080
60			62145	80			62055
70			62165	90			62035
80			62185	1600N			62020
90			62205	10			62000
12300N			62225	20			61980
10			62243	30			61960

Prospect: Barney Line No: L1400E 3/

Base Line

Co-ord	Time	Date	Gamma	Co-ord	Time	Date	Gamma
2250N		11.98	62980				
90			62950				
2300N			62930				
10			62915				
20			62895				
30			62870				
40			62850				
2350N	9.00		62830				
60			62814				
70			62795				
80			62775				
90			62755				
2400N			62735				
10			62710				
20			62685				
30			62665				
40			62650				
2450N			62630				
60			62605				
70			62585				
80			62560				
90			62540				
2500N			62520				
10			62500				
20			62480				
30			62460				
40			62445				
2550N	2.45		62425				
	End of line						

720262

Prospect: Barnsley. Line No: 1200N

Co-ord	Time	Date	Remarks	Co-ord	Time	Date	Remarks
1200E	1130	6/7/78		1300E			
10				30			
20				40			
30				50			
40				60			
50				70			
60				80			
70				90			
80				1400E			
90				10			
1300E				20			
10				30			
20				40			
30				1500E	1130		
40						End of line	
50							
60							
70							
80							
90							
1400E							
10							
20							
30							
40							
50							
60							
70							
80							
90							
1500E							

Prospect: Barnsley Line No: 1100N

Co-ord	Time	Date	Remarks	Co-ord	Time	Date	Remarks
1150E	9:45	11/7/78		1400E			
60				50			
70				90			
80				1500E			
90				10			
1200E				20			
10				30			
20				40			
30				1500E			
40						End of line	
50							
60							
70							
80							
90							
1300E							
10							
20							
30							
40	7:30						
50	7:30	6/7/78					
60							
70							
80							
90							
1400E							
10							
20							
30							
40							
50							
60							

Prospect: Barnsley Line No: 1100N

Co-ord	Time	Date	Remarks	Co-ord	Time	Date	Remarks
1200E	1130	11/7/78		1500E			
10				30			
20				40			
30				50			
40				60			
50				70			
60				80			
70				90			
80				1600E			
90				10			
1300E				20			
10				30			
20				40			
30				1600E	1130		
40						End of line	
50							
60							
70							
80							
90							
1400E							
10							
20							
30							
40							
50							
60							
70							
80							
90							
1500E							
10							

Prospect: Barnsley Line No: 1200N

Co-ord	Time	Date	Remarks	Co-ord	Time	Date	Remarks
1200E	0930	6/7/78		1500E			
10				30			
20				40			
30				50			
40				60			
50				70			
60				80			
70				90			
80				1600E			
90				10			
1300E				20			
10				30			
20				40			
30				1600E	1135		
40						End of line	
50							
60							
70							
80							
90							
1400E							
10							
20							
30							
40							
50							
60							
70							
80							
90							
1500E							
10							

720263

Prospect: Barnsley. Line No.: 12500N

Co-ORD	Time	Date	Gamma's	Co-ORD	Type	Date	Gamma's
12500E	2:15	6.1.98	64535	15500E			65635
10			63495	30			61753
20			63563	40			64758
30			63763	50			64655
40			63865	60			64870
50			64003	70			63875
60			64074	80			64139
70			64170	90			64270
80			63970	16000E			63965
90			63870	10			63930
12600E			63735	20			63870
10			63565	30			63965
20			63505	40			63985
30			63465	50			63839
40			63365	60	1 mo		63839
50			63280		End of Line		
60			63210				
70	No Response, Marking was a Non Feature						
80			63360				
90			63440				
13000E			63568				
10			63683				
20			63790				
30			63760				
40			63820				
50			63920				
60			63945				
70			63990				
80			64020				
90			64070				
13100E			64120				

Prospect: Barnsley. Line No.: 13000N

Co-ORD	Time	Date	Gamma's	Co-ORD	Type	Date	Gamma's
12500E	2:20	6.1.98	64270	15500E			63965
10			64280	30			63985
20			64196	40			63805
30			64268	50			63860
40			64340	60			63980
50			64440	70			64135
60			64560	80			64315
70			64710	90			64380
80			64820	16000E			64560
90			64920	10			64770
13000E			65060	20			64930
10			64965	30			64880
20			64870	40			64810
30			65000	16500E	1:30		64825
40			64835		End of Line		
50			64820				
60			64830				
70			64850				
80			64855				
90			64845				
13100E			64810				
10			64760				
20			64715				
30			64700				
40			64680				
50			64675				
60			64648				
70			64610				
80			64615				
90			64615				
13200E			64650				
10			64680				

Prospect: Barnsley. Line No.: 13500N

Co-ORD	Time	Date	Gamma's	Co-ORD	Type	Date	Gamma's
12500E	2:30	6.1.98	63830	13500E			63830
10			63690	40			64010
20			63675	50			64050
30			63670	60			63960
40			63680	70			63830
50			63710	80			63890
60			63740	90			63940
70			63780	14000E			63810
80			63810	10			63700
90			63840	20			63810
13000E			63830	30			63880
10			63865	40			63855
20			63870	50			63870
30			63870	60			63880
40			63880	70			63900
50			63890	80			63920
60			63900	90			63930
70			63920	15000E			63940
80			63940	10			63940
90			63960	20			63940
13100E			63980	30			63940
10			64000	40			63940
20			64020	50			63940
30			64040	60			63940
40			64060	70			63940
50			64080	80			63940
60			64100	90			63940
70			64120	15100E			63940
80			64140	10			63940
90			64160	20			63940
13200E			64180	30			63940
10			64200	40			63940
20			64220	50			63940
30			64240	60			63940
40			64260	70			63940
50			64280	80			63940
60			64300	90			63940
70			64320	16000E			63940
80			64340	10			63940
90			64360	20			63940
13300E			64380	30			63940
10			64400	40			63940
20			64420	50			63940
30			64440	60			63940
40			64460	70			63940
50			64480	80			63940
60			64500	90			63940
70			64520	16100E			63940
80			64540	10			63940
90			64560	20			63940
13400E			64580	30			63940
10			64600	40			63940
20			64620	50			63940
30			64640	60			63940
40			64660	70			63940
50			64680	80			63940
60			64700	90			63940
70			64720	16200E			63940
80			64740	10			63940
90			64760	20			63940
13500E			64780	30			63940
10			64800	40			63940
20			64820	50			63940
30			64840	60			63940
40			64860	70			63940
50			64880	80			63940
60			64900	90			63940
70			64920	16300E			63940
80			64940	10			63940
90			64960	20			63940
13600E			64980	30			63940
10			65000	40			63940
20			65020	50			63940
30			65040	60			63940
40			65060	70			63940
50			65080	80			63940
60			65100	90			63940
70			65120	16400E			63940
80			65140	10			63940
90			65160	20			63940
13700E			65180	30			63940
10			65200	40			63940
20			65220	50			63940
30			65240	60			63940
40			65260	70			63940
50			65280	80			63940
60			65300	90			63940
70			65320	16500E			63940
80			65340	10			63940
90			65360	20			63940
13800E			65380	30			63940
10			65400	40			63940
20			65420	50			63940
30			65440	60			63940
40			65460	70			63940
50			65480	80			63940
60			65500	90			63940
70			65520	16600E			63940
80			65540	10			63940
90			65560	20			63940
13900E			65580	30			63940
10			65600	40			63940
20			65620	50			63940
30			65640	60			63940
40			65660	70			63940
50			65680	80			63940
60			65700	90			63940
70			65720	16700E			63940
80			65740	10			63940
90			65760	20			63940
14000E			65780	30			63940
10			65800	40			63940
20			65820	50			63940
30			65840	60			63940
40			65860	70			63940
50			65880	80			63940
60			65900	90			63940
70			65920	16800E			63940
80			65940	10			63940
90			65960	20			63940
14100E			65980	30			63940
10			66000	40			63940
20			66020	50			63940
30			66040	60			63940
40			66060	70			63940
50			66080	80			63940
60			66100	90			63940
70			66120	16900E			63940
80			66140	10			63940
90			66160	20			63940
14200E			66180	30			63940
10			66200	40			63940
20			66220	50			63940
30			66240	60			63940
40			66260	70			63940
50			66280	80			63940
60			66300	90			63940
70			66320	17000E			63940
80			66340	10			63940
90			66360	20			63940
14300E			66380	30			63940
10			66400	40			63940
20			66420	50			63940
30			66440	60			63940
40			66460	70			63940
50			66480	80			63940
60			66500	90			63940
70			66520	17100E			63940
80			66540	10			63940
90			66560	20			63940
14400E			66580	30			63940
10			66600	40			63940
20			66620	50			63940
30			66640	60			63940
40			66660	70			63940
50			66680	80			63940
60			66700	90			63940
70			66720	17200E			63940
80			66740	10			63940
90			66760	20			63940
14500E			66780	30			63940
10			66800	40			63940
20			66820	50			63940
30			66840	60			63940
40			66860	70			63940
50			66880	80			63940
60			66900	90			63940
70			66920	17300E			63940
80			66940	10			63940
90			66960	20			63940
14600E			66980	30			63940
10			67000	40			63940
20			67020	50			63940
30			67040	60			63940
40			67060	70			63940
50			67080	80			63940
60			67100	90			63940
70			67120	17400E			63940
80			67140	10			63940
90			67160	20			63940
14700E			67180	30			63940
10			67200	40			63940
20			67220	50			63940
30			67240	60			63940
40			67260	70			63940
50			67280	80			63940
60			67300	90			63940
70			67320	17500E			63940
80			67340	10			63940
90			67360	20			63940
14800E			67380	30			63940
10			67400	40			63940
20			67420	50			63940
30			67440	60			63940
40			67460	70			63940
50			67480	80			63940
60			67500	90			63940
70			67520	17600E			63940
80			67540	10			63940
90			67560	20			63940
14900E			67580	30			63940
10			67600	40			63940
20			67620	50			63940
30			67640	60			63940
40			67660	70			63940
50			67680	80			63940
60			67700	90			63940
70			67720	17700E			63940
80			67740	10			63940
90			67760	20			63940
15000E			67780	30			63940
10			67800	40			63940
20			67820	50			63940
30			67840	60			63940
40			67860	70			63940
50			67880	80			63940
60			67900	90			63940
70			67920	17800E			63940
80			67940	10			63940
90			67960	20			63940
15100E			67980	30			63940
10			68000	40			63940
20			68020	50			63940
30			68040	60			63940
40			68060	70			63940
50			68080	80			63940
60			68100	90			63940
70			68120	17900E			63940
80			68140	10			63940
90			68160	20			63940
15200E			68180	30			63940
10			68200	40			63940
20			68220	50			63940
30			68240	60			63940
40			68260	70			63940
50			68280	80			63940
60			68300	90			63940
70			68320	18000E			63940
80			68340	10			63940
90			68360	20			63940
15300E			68380	30			63940
10			68400	40			63940
20			68420	50			63940
30			68440	60			63940
40			68460	70			63940
50			68480	80			63940
60			68500	90			63940
70			68520	18100E			63940
80			68540	10			63940
90			68560	20			63940
15400E			68580	30			63940
10			68600	40			63940
20			68620	50			63940
30			68640	60			63940
40			68660	70			63940
50			68680	80			63940
60			68700	90			63940
70			68720	18200E			63940
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90			68760	20			63940
15500E			68780	30			63940
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70			68920	18300E			63940
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15600E			68980	30			63940
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90			69160	20			63940
15700E			69180	30			63940
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70			69320	18500E			63940
80			69340	10			63940
90			69360	20			63940
15800E			69380	30			63940
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20			69420	50			63940
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40			69460	70			63940
50			69480	80			63940
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70			69520	18600E			63940
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90			69560	20			63940
15900E			69580	30			63940
10			69600	40			63940
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60			69700	90			63940
70			69720	18700E			63940
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90			69760	20			63940
16000E			69780	30			63940
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90			69960	20			63940
16100E			69980	30			63940
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60			70300	90			63940
70			70320	19000E			63940
80			70340	10			63940
90			70360	20			63940
16300E			70380	30			63940
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70			70520	19100E			63940
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90			70560	20			63940
16400E			70580	30			63940
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90			70760	20			63940
16500E			70780	30			63940
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90			70960	20			63940
16600E			70980	30			63940
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50			71080	80			63940
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16700E			71180	30			63940
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50			71480	80			63940
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80			71540	10			63940
90			71560	20			63940
16900E			71580	30			63940
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20			71620	50			63940
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50			71680	80			63940
60			71700	90			63940
70			71720	19700E			63940
80			71740	10			63940
90			71760	20			63940
17000E			71780	30			63940
10			71800	40			63940
20			71820	50			63940
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50			71880	80			63940
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70			71920	19800E			63940
80			71940	10			63940
90			71960	20			63940
17100E			71980	30			63940
10			72000	40			63940
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70			72120	19900E			63940
80			72140	10			63940
90			72160	20			63940
17200E			72180	30			63940
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80			72340	10			63940
90			72360	20			63940
17300E			72380	30			63940
10			72400	40			63940
20			72420	50			63940
30			72440	60			63940
40			72460	70			63940
50			72480	80			63940
60			72500	90			63940
70			72520	20100E			63940
80			72540	10			63940
90			72560	20			63940
17400E			72580	30			63940
10			72600	40			63940
20			72620	50			63940
30			72640	60			63940
40			72660	70			63940
50			72680	80			63940
60			72700	90			63940
70			72720	20200E			63940
80			72740	10			63940
90			72760	20			63940
17500E			72780	30			63940
10			72800	40			63940
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40			72860	70			63940
50			72880	80			63940
60			72900	90			63940
70			72920	20300E			63940
80			72940	10			63940
90			72960	20			63940
17600E			72980	30			63940
10			73000	40			63940
20			73020	50			63940
30			73040	60			63940
40			73060	70			63940
50			73080	80			63940
60			73100	90			63940
70			73120	20400E			63940
80			73140	10			63940
90			73160	20			63940
17700E			73180	30			63940
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80			73340	10			63940
90			73360	20			63940
17800E			73380	30			63940
10			73400	40			63940
20			73420	50			63940
30			73440	60			63940
40			73460	70			63940
50			73480	80			63940
60			73500	90			63940
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80			73540	10			63940
90			73560	20			63940
17900E			73580	30			63940
10			73600	40			63940
20			73620	50			63940
30			73640	60			63940
40			73660	70			63940
50			73680	80			63940
60			73700	90			63940
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80			73740	10			63940
90			73760	20			63940
18000E			73780	30			63940
10			73800	40			63940
20			73820	50			63940
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40			73860	70			63940
50			73880	80			63940
60			73900	90			63940
70			73920	20800E			63940
80			73940	10			63940
90			73960	20			63940
18100E			73980	30			63940
10			74000	40			63940
20			74020	50			63940
30			74040	60			63940
40			74060	70			63940
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70			74120	20900E			63940
80			74140	10			63940
90			74160	20			63940
18200E			74180	30			63940
10			74200	40			63940
20			74220	50			63940
30			74240	60			63940
40			74260	70			63940
50			74280	80			63940
60			74300	90			63940
70			74320	21000E			63940
80			74340	10			63940
90			74360	20			63940
18300E			74380	30			63940
10			74400	40			63940
20			74420	50			63940
30			74440	60			63940
40			74460	70			63940
50			74480	80			63940
60			74500	90			63940
70			74520	21100E			63940
80			74540	10			63940
90			74560	20			63940
18400E			74580	30			63940
10			74600	40			63940
20			74620	50			63940
30			74640	60			63940
40			74660	70			63940
50			74680	80			63940
60			74700	90			63940
70			74720	21200E			63940
80			74740	10			63940
90			74760	20			63940
18500E			74780	30			63940
10			74800	40			63940
20			74820	50			63940
30			74840	60			63940
40			74860	70			63940
50			74880	80			63940
60			74900	90			63940
70			74920	21300E			63940
80			74940	10			63940
90			74960	20			63940
18600E			74980	30			63940
10			75000	40			63940
20			75020	50			63940
30			75040	60			63940
40			75060	70			63940
50			75080	80			63940
60			75100	90			63940
70			75120	21400E			63940
80			75140	10			63940
90			75160	20			63940
18700E			75180	30			63940
10			75200	40			63940
20			75220	50			63940
30			75240	60			63940
40			75260	70			63940
50			75280	80			63940
60			75300	90			63940
70			75320	21500E			63940
80			75340	10			63940
90			75360	20			63940
18800E			75380	30			63940
10			75400	40			63940
20			75420	50			63940
30			75440	60			63

720264

Prospect: Barnsley Line No: 1450N

Co-ord	Time	Date	Gamma's	Co-ord	Time	Date	Gamma's
1300E	1000	7.7.93	61050	1350E			75H30
10			61080	30			62220
20			61090	40			61170
30			61110	30			62010
40			61140	40			61650
50			61210	70			61330
60			62060	80			61575
70			62605	90			62230
80			61740	1400E			62335
90			62545	10			62017
1300E			62660	20			62050
10			61930	30			62063
20			62080	40			62010
30			61170	1500E			61710
40			62100				
50			62510				
60			62060				
70			61020				
80			62040				
90			62025				
1400E			62020				
10			62080				
20			62080				
30			61670				
40			62080				
50			62080				
60			62665				
70			62750				
80			61750				
90			77300				
1500E			62020				
10			62660				

End of line

Prospect: Barnsley Line No: 1500N

Co-ord	Time	Date	Gamma's	Co-ord	Time	Date	Gamma's
1300E	1415	6.7.93	63970	1300E			62660
10			62080	90			62980
20			62080	1400E			62020
30			62080	10			62080
40			62020	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50	1430	7.7.93	61170
80			62080	60	1445	7.7.93	62020
90			62080	70		1500	62020
1400E			62080	80			62080
10			62080	90			62080
20			62080	1500E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
1500E			62080	80			62080
10			62080	90			62080
20			62080	1600E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
1600E			62080	80			62080
10			62080	90			62080
20			62080	1700E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
1700E			62080	80			62080
10			62080	90			62080
20			62080	1800E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
1800E			62080	80			62080
10			62080	90			62080
20			62080	1900E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
1900E			62080	80			62080
10			62080	90			62080
20			62080	2000E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
2000E			62080	80			62080
10			62080	90			62080
20			62080	2100E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
2100E			62080	80			62080
10			62080	90			62080
20			62080	2200E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
2200E			62080	80			62080
10			62080	90			62080
20			62080	2300E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
2300E			62080	80			62080
10			62080	90			62080
20			62080	2400E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
2400E			62080	80			62080
10			62080	90			62080
20			62080	2500E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
2500E			62080	80			62080
10			62080	90			62080
20			62080	2600E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
2600E			62080	80			62080
10			62080	90			62080
20			62080	2700E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
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80			62080	60			62080
90			62080	70			62080
2700E			62080	80			62080
10			62080	90			62080
20			62080	2800E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
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80			62080	60			62080
90			62080	70			62080
2800E			62080	80			62080
10			62080	90			62080
20			62080	2900E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
2900E			62080	80			62080
10			62080	90			62080
20			62080	3000E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
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80			62080	60			62080
90			62080	70			62080
3000E			62080	80			62080
10			62080	90			62080
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80			62080	60			62080
90			62080	70			62080
3100E			62080	80			62080
10			62080	90			62080
20			62080	3200E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
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80			62080	60			62080
90			62080	70			62080
3200E			62080	80			62080
10			62080	90			62080
20			62080	3300E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
3300E			62080	80			62080
10			62080	90			62080
20			62080	3400E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
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80			62080	60			62080
90			62080	70			62080
3400E			62080	80			62080
10			62080	90			62080
20			62080	3500E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
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80			62080	60			62080
90			62080	70			62080
3500E			62080	80			62080
10			62080	90			62080
20			62080	3600E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
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80			62080	60			62080
90			62080	70			62080
3600E			62080	80			62080
10			62080	90			62080
20			62080	3700E			62080
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40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
3700E			62080	80			62080
10			62080	90			62080
20			62080	3800E			62080
30			62080	10			62080
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50			62080	30			62080
60			62080	40			62080
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80			62080	60			62080
90			62080	70			62080
3800E			62080	80			62080
10			62080	90			62080
20			62080	3900E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
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80			62080	60			62080
90			62080	70			62080
3900E			62080	80			62080
10			62080	90			62080
20			62080	4000E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
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80			62080	60			62080
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4000E			62080	80			62080
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80			62080	60			62080
90			62080	70			62080
4100E			62080	80			62080
10			62080	90			62080
20			62080	4200E			62080
30			62080	10			62080
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50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
4200E			62080	80			62080
10			62080	90			62080
20			62080	4300E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
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80			62080	60			62080
90			62080	70			62080
4300E			62080	80			62080
10			62080	90			62080
20			62080	4400E			62080
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80			62080	60			62080
90			62080	70			62080
4400E			62080	80			62080
10			62080	90			62080
20			62080	4500E			62080
30			62080	10			62080
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50			62080	30			62080
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90			62080	70			62080
4500E			62080	80			62080
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20			62080	4600E			62080
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90			62080	70			62080
4600E			62080	80			62080
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20			62080	4700E			62080
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90			62080	70			62080
4700E			62080	80			62080
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80			62080	60			62080
90			62080	70			62080
4800E			62080	80			62080
10			62080	90			62080
20			62080	4900E			62080
30			62080	10			62080
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80			62080	60			62080
90			62080	70			62080
4900E			62080	80			62080
10			62080	90			62080
20			62080	5000E			62080
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5000E			62080	80			62080
10			62080	90			62080
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90			62080	70			62080
5100E			62080	80			62080
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20			62080	5200E			62080
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5200E			62080	80			62080
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90			62080	70			62080
5300E			62080	80			62080
10			62080	90			62080
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80			62080	60			62080
90			62080	70			62080
5400E			62080	80			62080
10			62080	90			62080
20			62080	5500E			62080
30			62080	10			62080
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50			62080	30			62080
60			62080	40			62080
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90			62080	70			62080
5500E			62080	80			62080
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90			62080	70			62080
5600E			62080	80			62080
10			62080	90			62080
20			62080	5700E			62080
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90			62080	70			62080
5700E			62080	80			62080
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5800E			62080	80			62080
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90			62080	70			62080
5900E			62080	80			62080
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90			62080	70			62080
6000E			62080	80			62080
10			62080	90			62080
20			62080	6100E			62080
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60			62080	40			62080
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90			62080	70			62080
6100E			62080	80			62080
10			62080	90			62080
20			62080	6200E			62080
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6200E			62080	80			62080
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80			62080	60			62080
90			62080	70			62080
6300E			62080	80			62080
10			62080	90			62080
20			62080	6400E			62080
30			62080	10			62080
40			62080	20			62080
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90			62080	70			62080
6400E			62080	80			62080
10			62080	90			62080
20			62080	6500E			62080
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80			62080	60			62080
90			62080	70			62080
6500E			62080	80			62080
10			62080	90			62080
20			62080	6600E			62080
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70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
6600E			62080	80			62080
10			62080	90			62080
20			62080	6700E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
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80			62080	60			62080
90			62080	70			62080
6700E			62080	80			62080
10			62080	90			62080
20			62080	6800E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
6800E			62080	80			62080
10			62080	90			62080
20			62080	6900E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
6900E			62080	80			62080
10			62080	90			62080
20			62080	7000E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
7000E			62080	80			62080
10			62080	90			62080
20			62080	7100E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
7100E			62080	80			62080
10			62080	90			62080
20			62080	7200E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
7200E			62080	80			62080
10			62080	90			62080
20			62080	7300E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
7300E			62080	80			62080
10			62080	90			62080
20			62080	7400E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
7400E			62080	80			62080
10			62080	90			62080
20			62080	7500E			62080
30			62080	10			62080
40			62080	20			62080
50			62080	30			62080
60			62080	40			62080
70			62080	50			62080
80			62080	60			62080
90			62080	70			62080
7500E			62080	80			62080
10			62080	90			62080
20			62080	7600E			62080
30			62080	10			62080
40

720265

Prospect: Line No: 1350N

Co: OBD	Time	Date	Gammas	Co: OBD	Time	Date	Gammas
13300E				13300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
11300E				11300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
12300E				12300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
13300E				13300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
14300E				14300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
15300E				15300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
16300E				16300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
17300E				17300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
18300E				18300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
19300E				19300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
20300E				20300E			
10				10			

Prospect: Line No: 1400N

Co: OBD	Time	Date	Gammas	Co: OBD	Time	Date	Gammas
13300E				13300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
14300E				14300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
15300E				15300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
16300E				16300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
17300E				17300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
18300E				18300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
19300E				19300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
20300E				20300E			
10				10			

Prospect: Line No: 1450N

Co: OBD	Time	Date	Gammas	Co: OBD	Time	Date	Gammas
13300E				13300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
14300E				14300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
15300E				15300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
16300E				16300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
17300E				17300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
18300E				18300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
19300E				19300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
20300E				20300E			
10				10			

Prospect: Line No: 1500N

Co: OBD	Time	Date	Gammas	Co: OBD	Time	Date	Gammas
13300E				13300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
14300E				14300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
15300E				15300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
16300E				16300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
17300E				17300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
18300E				18300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
19300E				19300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
20300E				20300E			
10				10			

Prospect: Line No: 1550N

Co: OBD	Time	Date	Gammas	Co: OBD	Time	Date	Gammas
13300E				13300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
14300E				14300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
15300E				15300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
16300E				16300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
17300E				17300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
18300E				18300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
19300E				19300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
20300E				20300E			
10				10			

Prospect: Line No: 1600N

Co: OBD	Time	Date	Gammas	Co: OBD	Time	Date	Gammas
13300E				13300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
14300E				14300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
15300E				15300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
16300E				16300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
17300E				17300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
18300E				18300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
19300E				19300E			
10				10			
20				20			
30				30			
40				40			
50				50			
60				60			
70				70			
80				80			
90				90			
20300E				20300E			
10				10			

720266

Prospect: Barnsley Line No: 1650N

Co-ord	Time	Date	Gamma's	Co-ord	Type	Date	Gamma's
1500E	1130	21/3/88	655340	1350E			653210
10			654340	30			653240
20			653890	40			652850
30			654200	50			654105
40			654090	60			654085
50			654045	70			653965
60			654025	80			653970
70			654075	90			653961
80			653935	1400E			653935
90			653761	10			653925
1100E			653615	20			653810
10			653520	30			653835
20			653455	40			653846
30			653393	50			653905
40			653340	60			653870
50			653301	70			653780
60			653313	80			653770
70			653325	90			653766
80			653295	1500E			653830
90			653358	10			653865
1200E			653450	20			653870
10			653490	30			653838
20			653550	40			654000
30			653620	50			654040
40			653635	60			654080
50			653673	70			653885
60			653680	80	232		653850
70			653685	90	315		653870
80			653705	1600E			653890
90			653685	10			653930
1300E			653655	20			653950
10			653643	30			653955

Co-ord	Time	Date	Gamma's	Co-ord	Type	Date	Gamma's
1350E	1420	21/3/88	653425	1700E			653375
40			653415	10			653385
30			653325	20			653400
20			653315	30			653420
10			653305	40			653435
1300E			653295	50			653450
1250E			653285	60			653465
40			653275	70			653480
30			653265	80			653495
20			653255	90			653510
10			653245	1800E			653525
1200E			653235	10			653540
1150E			653225	20			653555
40			653215	30			653570
30			653205	40			653585
20			653195	50			653600
10			653185	60			653615
1100E			653175	70			653630
1050E			653165	80			653645
40			653155	90			653660
30			653145	1900E			653675
20			653135	10			653690
10			653125	20			653705
1000E			653115	30			653720
950E			653105	40			653735
40			653095	50			653750
30			653085	60			653765
20			653075	70			653780
10			653065	80			653795
900E			653055	90			653810
850E			653045	2000E			653825
40			653035	10			653840
30			653025	20			653855
20			653015	30			653870
10			653005	40			653885
800E			652995	50			653900
750E			652985	60			653915
40			652975	70			653930
30			652965	80			653945
20			652955	90			653960
10			652945	2100E			653975
700E			652935	10			653990
650E			652925	20			654005
40			652915	30			654020
30			652905	40			654035
20			652895	50			654050
10			652885	60			654065
600E			652875	70			654080
550E			652865	80			654095
40			652855	90			654110
30			652845	2200E			654125
20			652835	10			654140
10			652825	20			654155
500E			652815	30			654170
450E			652805	40			654185
40			652795	50			654200
30			652785	60			654215
20			652775	70			654230
10			652765	80			654245
400E			652755	90			654260
350E			652745	2300E			654275
40			652735	10			654290
30			652725	20			654305
20			652715	30			654320
10			652705	40			654335
300E			652695	50			654350
250E			652685	60			654365
40			652675	70			654380
30			652665	80			654395
20			652655	90			654410
10			652645	2400E			654425
200E			652635	10			654440
150E			652625	20			654455
40			652615	30			654470
30			652605	40			654485
20			652595	50			654500
10			652585	60			654515
100E			652575	70			654530
50E			652565	80			654545
40			652555	90			654560
30			652545	2500E			654575
20			652535	10			654590
10			652525	20			654605
00			652515	30			654620
50W			652505	40			654635
40			652495	50			654650
30			652485	60			654665
20			652475	70			654680
10			652465	80			654695
100W			652455	90			654710
150W			652445	2600E			654725
40			652435	10			654740
30			652425	20			654755
20			652415	30			654770
10			652405	40			654785
200W			652395	50			654800
250W			652385	60			654815
40			652375	70			654830
30			652365	80			654845
20			652355	90			654860
10			652345	2700E			654875
300W			652335	10			654890
350W			652325	20			654905
40			652315	30			654920
30			652305	40			654935
20			652295	50			654950
10			652285	60			654965
400W			652275	70			654980
450W			652265	80			654995
40			652255	90			655010
30			652245	2800E			655025
20			652235	10			655040
10			652225	20			655055
500W			652215	30			655070
550W			652205	40			655085
40			652195	50			655100
30			652185	60			655115
20			652175	70			655130
10			652165	80			655145
600W			652155	90			655160
650W			652145	2900E			655175
40			652135	10			655190
30			652125	20			655205
20			652115	30			655220
10			652105	40			655235
700W			652095	50			655250
750W			652085	60			655265
40			652075	70			655280
30			652065	80			655295
20			652055	90			655310
10			652045	3000E			655325
800W			652035	10			655340
850W			652025	20			655355
40			652015	30			655370
30			652005	40			655385
20			651995	50			655400
10			651985	60			655415
900W			651975	70			655430
950W			651965	80			655445
40			651955	90			655460
30			651945	3100E			655475
20			651935	10			655490
10			651925	20			655505
1000W			651915	30			655520
1050W			651905	40			655535
40			651895	50			655550
30			651885	60			655565
20			651875	70			655580
10			651865	80			655595
1100W			651855	90			655610
1150W			651845	3200E			655625
40			651835	10			655640
30			651825	20			655655
20			651815	30			655670
10			651805	40			655685
1200W			651795	50			655700
1250W			651785	60			655715
40			651775	70			655730
30			651765	80			655745
20			651755	90			655760
10			651745	3300E			655775
1300W			651735	10			655790
1350W			651725	20			655805
40			651715	30			655820
30			651705	40			655835
20			651695	50			655850
10			651685	60			655865
1400W			651675	70			655880
1450W			651665	80			655895
40			651655	90			655910
30			651645	3400E			655925
20			651635	10			655940
10			651625	20			655955
1500W			651615	30			655970
1550W			651605	40			655985
40			651595	50			656000
30			651585	60			656015
20			651575	70			656030
10			651565	80			656045
1600W			651555	90			656060
1650W			651545	3500E			656075
40			651535	10			656090
30			651525	20			656105
20			651515	30			656120
10			651505	40			656135
1700W			651495	50			656150
1750W			651485	60			656165
40			651475	70			656180
30			651465	80			656195
20			651455	90			656210
10			651445	3600E			656225
1800W			651435	10			656240
1850W			651425	20			656255
40			651415	30			656270
30			651405	40			656285
20			651395	50			656300
10			651385	60			656315
1900W			651375	70			656330
1950W			651365	80			656345
40			651355	90			656360
30			651345	3700E			656375
20			651335	10			656390
10			651325	20			656405
2000W			651315	30			656420
2050W			651305	40			656435
40			651295	50			656450
30			651285	60			656465
20			651275	70			656480
10			651265	80			656495
2100W			651255	90			656510
2150W			651245	3800E			656525
40			651235	10			656540
30			651225	20			656555
20			651215	30			656570
10			651205	40			656585
2200W			651195	50			656600
2250W			651185	60			656615
40			651175	70			656630
30			651165	80			656645
20			651155	90			656660
10			651145	3900E			656675
2300W			651135	10			656690
2350W			651125	20			656705
40			651115	30			656720
30			651105	40			656735
20			651095	50			656750
10			651085	60			656765
2400W			651075	70			656780
2450W			651065	80			656795
40			651055	90			656810
30			651045	4000E			656825
20			651035	10			656840
10			651025	20			656855
2500W			651015	30			656870
2550W			651005	40			656885
40			650995	50			656900
30			650985	60			656915
20			650975	70			656930
10			650965	80			656945
2600W			650955	90			656960
2650W			650945	4100E			656975
40			650935	10			656990
30			650925	20			657005
20			650915	30			657020
10			650905	40			657035
2700W			650895	50			657050
2750W			650885	60			657065
40			650875	70			657080
30			650865	80			657095
20			650855	90			657110
10			650845	4200E			657125
2800W			650835	10			657140
2850W			650825	20			657155
40			650815	30			657170
30			650805	40			657185
20			650795	50			657200
10			650785	60			657215
2900W			650775	70			657230
2950W			650765	80			657245
40			650755	90			657260
30			650745	4300E			657275
20			650735	10			657290
10			650725	20			657305
3000W			650715	30			657320
3050W			650705	40			657335
40			650695	50			657350
30			650685	60			657365
20			650675	70			657380
10			650665	80			657395
3100W			650655	90			657410
3150W			650645	4400E			657425
40			650635	10			657440
30			650625	20			657455
20			650615	30			657470
10			650605	40			657485
3200W			650595	50			657500
3250W			650585	60			657515
40			650575	70			657530
30			650565	80			657545
20			650555	90			657560
10			650545	4500E			657575
3300W			650535	10			657590
3350W			650525	20			657605
40			650515	30			657620
30			650505	40			657635
20			650495	50			657650
10			650485	60			657665
3400W			650475	70			657680
3450W			650465	80			657695
40			650455	90			657710
30			650445	4600E			657725
20			650435	10			657740
10			650425	20			657755
3500W			650415	30			657770
3550W			650405	40			657785
40			650395	50			657800
30			650385	60			657815
20			650375	70			657830
10			650365	80			657845
3600W			650355	90			657860
3650W			650345	4700E			657875
40			650335	10			657890
30			650325	20			657905
20			650315	30			657920
10			650305	40			657935
3700W			650295	50			657950
3750W			650285	60			657965
40			650275	70			657980
30			650265	80			657995
20			650255	90			658010
10			650245	4800E			658025
3800W			650235	10			658040
3850W			650225	20			658055
40			650215	30			658070
30			650205	40			658085
20			650195	50			658100
10			650185	60			658115
3900W			650175	70			658130
3950W			650165	80			658145
40			650155	90			658160
30			650145	4900E			658175
20			650135	10			658190
10			650125	20			658205
4000W			650115	30			658220
4050W			650105	40			658235
40			650095	50			658250
30			650085	60			658265
20			650075	70			658280
10			650065	80			658295
4100W			650055	90			658310
4150W			650045	5000E			658325
40			650035	10			658340
30			650025	20			658355
20			650015	30			658370
10			650005	40			658385
4200W			649995	50			658400
4250W			649985	60			658415
40			649975	70			658430
30			649965	80			658445
20			649955	90			658460
10			649945	5100E			658475
4300W			649935	10			658490
4350W			649925	20			658505
40			649915	30			658520
30			649905	40			658535
20			649895	50			658550
10			649885	60			658565
4400W			649875	70			658580
4450W			649865	80			658595
40			649855	90			658610
30			649845	5200E			658625
20			649835	10			658640
10			649825	20			658655
4500W			649815	30			658670
4550W			649805	40			658685
40			649795	50			658700
30			649785	60			658715
20			649775	70			658730
10			649765	80			658745
4600W			649755	90			658760
4650W			649745	5300E			658775
40			649735	10			658790
30			649725	20			658805
20			649715	30			658820
10			649705	40			658835
4700W			649695	50			658850
4750W			649685	60			658865
40			649675	70			658880
30			649665	80			658895
20			649655	90			658910
10			649645	5400E			658925
4800W			649635	10			658940
4850W			649625	20			658955
40			649615	30			658970
30			649605	40			658985
20			649595	50			659000
10			649585	60			659015
4900W			649575	70			659030
4950W			649565	80			659045
40			649555	90			659060
30			649545	5500E			659075
20			649535	10			659090
10			649525	20			659105
5000W			649515	30			659120
5050W			649505	40			659135
40			649495	50			659150
30			649485	60			659165
20			649475	70			659180
10			649465	80			659195
5100W			649455	90			659210
5150W			649445	5600E			659225
40			649435	10			659240
30			649425	20			659255
20			649415	30			659270
10			649405	40			659285
5200W			649395	50			659300
5250W			649385	60			659315
40			649375	70			659330
30			649365	80			659345
20			649355	90			659360
10			649345	5700E			659375
5300W			649335	10			659390
5350W			649325	20			659405
40			649315	30			659420
30			649305	40			659435
20			649295	50			659450
10			649285	60			659465
5400W			649275	70			659480
5450W			649265	80			659495
40			649255	90			659510
30			649245	5800E			659525
20			649235	10			659540
10			649225	20			659555
5500W			649215	30			659570
5550W			649205	40			659585
40			649195	50			659600
30			649185	60			659615
20			649175	70			659630
10			649165	80			659645
5600W			649155	90			659660
5650W			649145	5900E			659675
40			649135	10			659690
30			649125	20			659705
20			649115	30			659720
10			649105	40			659735
5700W			649095	50			659750
5750W			649085	60			659765
40			649075	70			659780
30			649065	80			659795
20			649055	90			659810
10			649045	6000E			659825
5800W			649035	10			659840
5850W			649025	20			659855
40			649015	30			659870
30			649005	40			659885
20			648995	50			659900
10			648985	60			659915
5900W			648975	70			659930
5950W			648965	80			659945
40			648955	90			659960
30			648945	6100E			659975
20			648935	10			659990
10			648925	20			660005
6000W			648915	30			660020
6050W			648905	40			660035
40			648895	50			660050
30			648885	60			660065
20			648875	70			660080
10			648865	80			660095
6100W			648855	90			660110
6150W			648845	6200E			660125
40			648835	10			660140
30			648825	20			660155
20			648815	30			660170
10			648805	40			660185
6200W			648795	50			660200
6250W			648785	60			660215
40			648775	70			660230
30			648765	80			660245
20			648755	90			660260
10			648745	6300E			660275
6300W			648735	10			660290
6350W			648725	20			660305
40			648715	30			660320
30			648705	40			660335
20			648695	50			660350
10			648685	60			660365
6400W			648675	70			660380
6450W			648665	80			660395
40			648655	90			660410
30			648645	6400E			660425
20			648635	10			660440
10			648625	20			660455
6500W			648615	30			660470
6550W			648605	40			660485
40			648595	50			660500
30			648585	60			660515
20			648575	70			660530
10			648565	80			660545
6600W			648555	90			660560
6650W			648545	6500E			660575
40			648535	10			660590
30			648525	20			660605
20			648515	30			660620
10			648505	40			660635
6700W			648495	50			660650
6750W			648485	60			660665
40			648475	70			660680
30			648465	80			660695
20			648455	90			660710
10			648445	6600E			660725
6800W			648435	10			660740
6850W			648425	20			660755
40			648415	30			660770
30			648405	40			660785
20			648395	50			660800
10			648385	60			660815
6900W			648375	70			660830
6950W			648365	80			660845
40			648355	90			660860
30			648345	6700E			660875
20			648335	10			660890
10			648325	20			660905
7000W			648315	30			660920
7050W			648305	40			660935
40			648295	50			660950
30			648285	60			660965
20			648275	70			660980
10			648265	80			660995
7100W			648255	90			661010
7150W			648245	6800E			661025
40			648235	10			661040
30			648225	20			661055
20			648215	30			661070
10			648205	40			661085
7200W			648195	50			661100
7250W			648185	60			661115
40			648175	70			661130
30			648165	80			661145
20			648155	90			661160
10			648145	6900E			661175
7300W			648135	10			661190
7350W			648125	20			661205
40			648115	30			661220
30			648105	40			661235
20			648095	50			661250
10			648085	60			661265
7400W			648075	70			661280
7450W			648065	80			661295
40			648055	90			661310
30			648045	7000E			661325
20			648035	10			661340
10			648025	20			661355
7500W			648015	30			661370
7550W			648005	40			661385
40			647995	50			661400
30			647985	60			661415
20			647975	70			661430
10			647965	80			661445
7600W			647955	90			661460
7650W			647945	7100E			661475
40			647935	10			661490
30			647925	20			661505
20			647915	30			661520
10			647905	40			661535
7700W			647895	50			661550
7750W			647885	60			661565
40			647875	70			661580
30			647865	80			661595
20			647855	90			661610
10			647845	7200E			661625
7800W			647835	10			661640
7850W			647825	20			661655
40			647815	30			661670
30			647805	40			661685
20			647795	50			661700
10			647785	60			661715
7900W			647775	70			661730
7950W			647765	80			661745
40			647755	90			661760
30			647745	7300E			661775
20			647735	10			661790
10			647725	20			661805
8000W			647715	30			661820
8050W			647705	40			661835
40			647695	50			661850
30			647685	60			661865
20			647675	70			661880
10			647665	80			661895
8100W			647655	90			661910
8150W			647645	7400E			661925
40			647635	10			661940
30			647625	20			661955
20			647615	30			661970
10			647605	40			661985
8200W			647595	50			662000
8250W			647585	60			662015
40			647575	70			662030
30			647565	80			662045
20			647555	90			662060
10			647545	7500E			662075
8300W			647535	10			662090
8350W			647525	20			662105
40			647515	30			662120
30			647505	40			662135
20			647495	50			662150
10			647485	60			662165
8400W			647475	70			662180
8450W			647465	80			662195
40			647455	90			662210
30			647445	7600E			662225
20			647435	10			662240
10			647425	20			662255
8500W			647415	30			662270
8550W			647405	40			662285
40			647395	50			662300
30			647385	60			662315
20			647375	70			662330
10			647365	80			662345
8600W			647355	90			662360
8650W			647345	7700E			662375
40			647335	10			662390
30			647325	20			662405
20			647315	30			662420
10			647305	40			662435
8700W			647295	50			662450
8750W			647285	60			662465
40			647275	70			662480
30			647265	80			662495
20			647255	90			662510
10			647245	7800E			662525
8800W			647235	10			662540
8850W			647225	20			662555
40			647215	30			662570
30			647205	40			662585
20			647195	50			662600
10			647185

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Prospect: Barnsley Line No: 2270N

Co-ord	time	date	Gammas	Co-ord	Type	Date	Gammas
13300E	2330	10/2/88	65445	13300E			65120
10			64665	HO			64085
20			64730	50			65120
30			64500	60			65285
HO			61500	70			64550
50			64000	80			63125
60			64070	90			64400
70			63960	11300E			65020
80			64850	10			61550
90			63500	20			64270
11300E			63950	30			64130
10			64170	HO			59300
20			63620	50			51980
30			63610	60			64730
HO			63320	70			63935
50			64060	80			63310
60			63000	90			64310
70			64990	15300E			64800
80			63575	10			63680
90			63420	20			64315
12300E			63130	30			64315
10			64205	HO			63550
20			64125	50			64420
30			64170	60			57855
HO			64310	70			61900
50			63900	80			57300
60			64110	90			55900
70			64080	16300E			56380
80			64020	10			64445
90			64265	20	Non Barnsley Material, Quantum Plastics		
12300E			63710	30			63645
10			63815	HO	130		63245
20			65585	16300E			61127

Prospect: Barnsley Line No: 2300N

Co-ord	time	date	Gammas	Co-ord	Type	Date	Gammas
13300E	1130	10/2/88	63675	13300E			63665
10			63950	HO			64730
20			64765	50			64280
30			64775	60			64670
HO			64540	70			63940
50			64666	80			63940
60			64165	90			59045
70			63940	11300E			63900
80			64040	10			64600
90			64025	20			64660
11300E			63970	30			63680
10			65700	HO			63680
20			64930	50	1020		64015
30			63970	60	1035		64100
HO			65183	70			63960
50			65255	80			63360
60			65895	90			63580
70			64980	15300E			64675
80			64705	10			65320
90			64115	20			64230
12300E			64680	30			63660
10			64120	HO			64870
20			59900	50			63930
30			64835	60			64980
HO			64900	70			65220
50			63975	80			63820
60			63935	90			63325
70			64480	16300E			64590
80			63300	10			64130
90			63820	20			64835
12300E			63835	30			64200
10			63130	HO	130		64260
20			63901	16300E			63145

Prospect: Barnsley Line No: 2130N

Co-ord	time	date	Gammas	Co-ord	Type	Date	Gammas
13300E	830	12/2/88	63930	13300E			64070
10			64960	HO			64560
20			65160	50			64960
30			64020	60			64415
HO			63760	70			64520
50			64485	80			64080
60			64950	90			64095
70			64965	11300E			64185
80			64870	10			64070
90			64980	20			64530
11300E			64870	30			64020
10			63870	HO			64070
20			63800	50			64425
30			63955	60			64080
HO			63915	70			64040
50			64485	80			71100
60			64000	90			70420
70			64020	15300E			64020
80			64335	10			64080
90			64070	30			70420
12300E			63930	30			65100
10			63555	HO			64070
30			64145	50			59080
30			64040	60			64900
HO			63970	70			63540
50			63930	80			63625
60			63800	90			63920
70			63980	16300E	1340		63980
80			63930		Fault 2E Limit		
90			63958				
13300E			63955				
10			63930				
20			63913				

Prospect: Barnsley Line No: 2100N

Co-ord	time	date	Gammas	Co-ord	Type	Date	Gammas
13300E	715	12/2/88	71930	13300E			64070
10				HO			64570
20			64800	50			64960
30			63100	60			64080
HO			71910	70			64345
50	Non Barnsley			80			63940
60	Limestone Material			90			65080
70			64980	16300E			64980
80			65940	10			65880
90			64080	20			64450
11300E			63960	30			64025
10			64930	HO			63920
20			65410	50			64030
30			64980	60			63935
HO			63920	70			63960
50			64075	80			64980
60			63980	90			64660
70			64080	15300E			63945
80			63930	10	330		63575
90			63180	20			63945
13300E			64910	30	Non Barnsley Material		
10			64010	HO			57945
20			64940	50			58100
30			64080	60			63980
HO			63975	70			63920
50			63940	80			63080
60			63980	90			64095
70			64130	15300E			64080
80			63085	10			64040
90			64200	20			63980
13300E			64040	30			64080
10			63830	HO	336		63980
20				16300E			61940

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Prospect: Barossa Line No: 2350N

Co-ord	Type	Date	Gamma's	Co-ord	Type	Date	Gamma's
11200E				10200E			
10				30			
20				40			
30				50			
40				60			
50				70			
60				80			
70				90			
80				10300E			
90				10			
12000E				20			
10				30			
20				40			
30				50			
40				60			
50				70			
60				80			
70				90			
80				10400E			
90				10			
12100E				20			
10				30			
20				40			
30				50			
40				60			
50				70			
60				80			
70				90			
80				10500E			
90				10			
12200E				End of Line			
10							
20							
30							
40							
50							
60							
70							
80							
90							
12300E							
10							

Prospect: Barossa Line No: 2300N

Co-ord	Type	Date	Gamma's	Co-ord	Type	Date	Gamma's
11200E				10200E			
10				30			
20				40			
30				50			
40				60			
50				70			
60				80			
70				90			
80				10300E			
90				10			
11300E				20			
10				30			
20				40			
30				50			
40				60			
50				70			
60				80			
70				90			
80				10400E			
90				10			
11400E				20			
10				30			
20				40			
30				50			
40				60			
50				70			
60				80			
70				90			
80				10500E			
90				10			
11500E				20			
10				30			
20				40			
30				50			
40				60			
50				70			
60				80			
70				90			
80				10600E			
90				End of Line			
11600E							
10							

Prospect: Barossa Line No: 2350N

Co-ord	Type	Date	Gamma's	Co-ord	Type	Date	Gamma's
11200E				10200E			
10				30			
20				40			
30				50			
40				60			
50				70			
60				80			
70				90			
80				10300E			
90				10			
11300E				20			
10				30			
20				40			
30				50			
40				60			
50				70			
60				80			
70				90			
80				10400E			
90				10			
11400E				20			
10				30			
20				40			
30				50			
40				60			
50				70			
60				80			
70				90			
80				10500E			
90				End of Line			
11500E							
10							

Prospect: Barossa Line No: 2300N

Co-ord	Type	Date	Gamma's	Co-ord	Type	Date	Gamma's
11200E				10200E			
10				30			
20				40			
30				50			
40				60			
50				70			
60				80			
70				90			
80				10300E			
90				10			
11300E				20			
10				30			
20				40			
30				50			
40				60			
50				70			
60				80			
70				90			
80				10400E			
90				10			
11400E				20			
10				30			
20				40			
30				50			
40				60			
50				70			
60				80			
70				90			
80				10500E			
90				End of Line			
11500E							
10							

720269

Prospect: Barossey. Line No: 2450N

Co-ord	Time	Date	Gammas	Co-ord	Tape	Date	Gammas
1250E	1230	11/28	61730	1500E			61980
60			61960	80			61885
70			62040	90			61775
80			62120	1600E	1230		61965
90			62183		End of Line		
1300E			62150				
10			61980				
20			61870				
30			61960				
40			61980				
50			61960				
60			61850				
70			61805				
80			61840				
90			61940				
1400E			61830				
10			61820				
20			61870				
30			61970				
40			62000				
50			62020				
60			61900				
70			61825				
80			61760				
90			61730				
1500E			61880				
10			61900				
20			61940				
30			61925				
40			61870				
50			61940				

Prospect: Barossey. Line No: 2450N

Co-ord	Time	Date	Gammas	Co-ord	Tape	Date	Gammas
1300E	1230	11/28	62080	1500E			62000
10			62120	30			62085
20			61985	40			62008
30			61903	50			61980
40			61889	60			61916
50			61908	70			61983
60			61940	80			61922
70			61800	90			62062
80			61930	1600E	1125		62120
90			61835		End of Line		
1400E			61870				
10			61940				
20			61910				
30			61977				
40			61894				
50			61900				
60			61905				
70			61855				
80			62526				
90			62490				
1500E			62580				
10			62310				
20			62460				
30			58635				
40			61855				
50			61830				
60			62420				
70			62570				
80			61960				
90			61945				
1500E			62460				
10			62440				

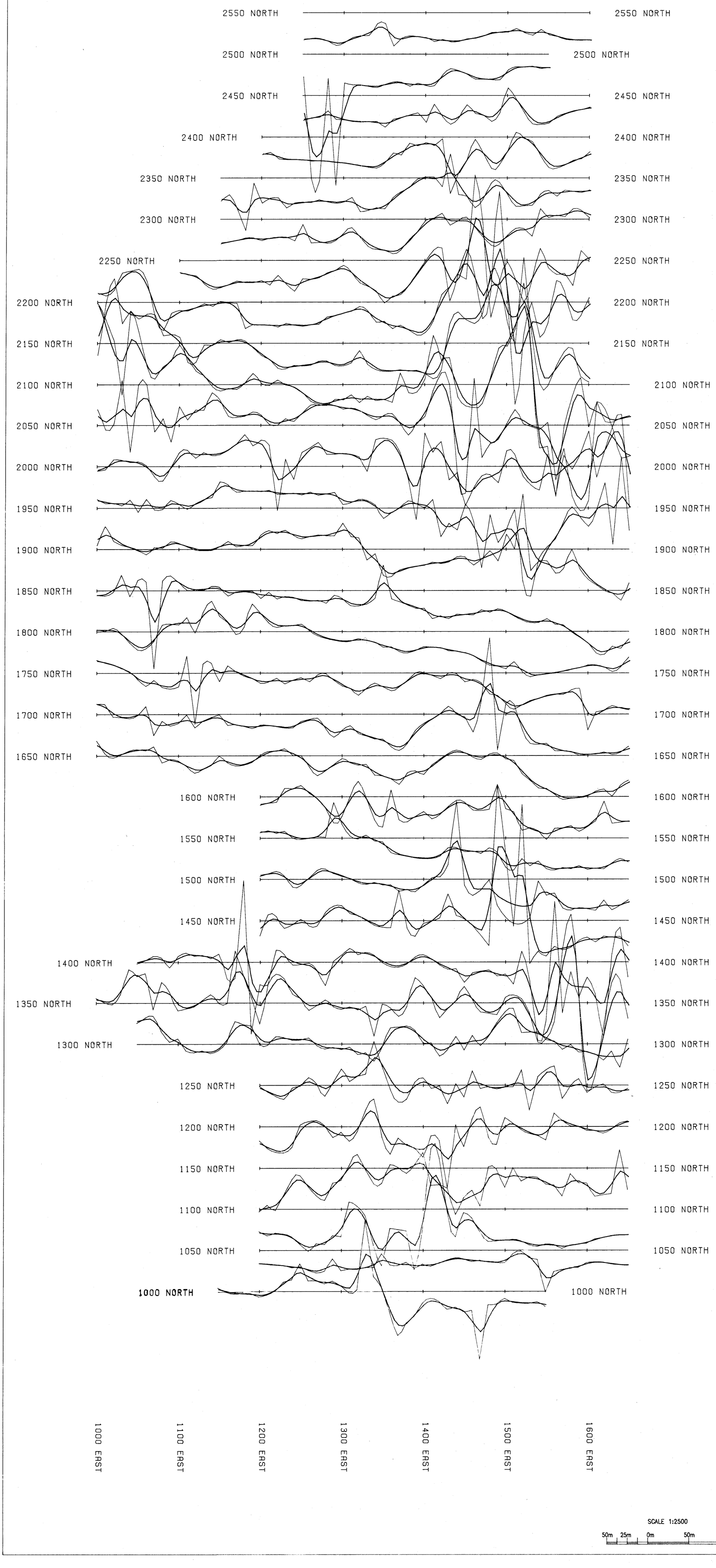
Prospect: Barossey. Line No: 2550N

Co-ord	Time	Date	Gammas	Co-ord	Tape	Date	Gammas
1250E	1230	11/28	61950	1500E			61855
60			61940	50			61805
70			61960	90			61805
80			61960	1600E	1305		61918
90			62050		End of Line		
1300E			61985				
10			61910				
20			61905				
30			61910				
40			61870				
50			61890				
60			62020				
70			61960				
80			61888				
90			61925				
1400E			61910				
10			61945				
20			61955				
30			61930				
40			61965				
50			61945				
60			61968				
70			61903				
80			62031				
90			62020				
1500E			61985				
10			62090				
20			62110				
30			61963				
40			62080				
50			61990				
60			61945				

Prospect: Barossey. Line No: 2550N

Co-ord	Time	Date	Gammas	Co-ord	Tape	Date	Gammas
1250E	1230	11/28	61926				
60			52057				
70			51830				
80			61960				
90			51945				
1300E			61930				
10			61948				
20			61941				
30			60940				
40			60982				
50			61945				
60			61920				
70			61900				
80			61940				
90			61905				
1400E			61960				
10			61975				
20			61918				
30			61910				
40			62545				
50			61940				
60			61905				
70			61908				
80			61955				
90			61966				
1500E			61928				
10			61925				
20			61993				
30			61935				
40			61943				
1550E	1230		61950				
			End of Line				

1000 EAST 1100 EAST 1200 EAST 1300 EAST 1400 EAST 1500 EAST 1600 EAST



1000 EAST 1100 EAST 1200 EAST 1300 EAST 1400 EAST 1500 EAST 1600 EAST

720270

5 cm

TOTAL MAGNETIC PROFILES

VERTICAL SCALE : 2000 nT/cm
BASE LEVEL : 63300 nT
RAW DATA : _____
FILTERED DATA : _____

88-2876

SCALE 1:2500

50m 25m 0m 50m 100m

BIG RESOURCES MANAGEMENT LTD

HEAZLEWOOD E.L. 21/85
Tasmania

BRASSEY

MAGNETOMETER SURVEY

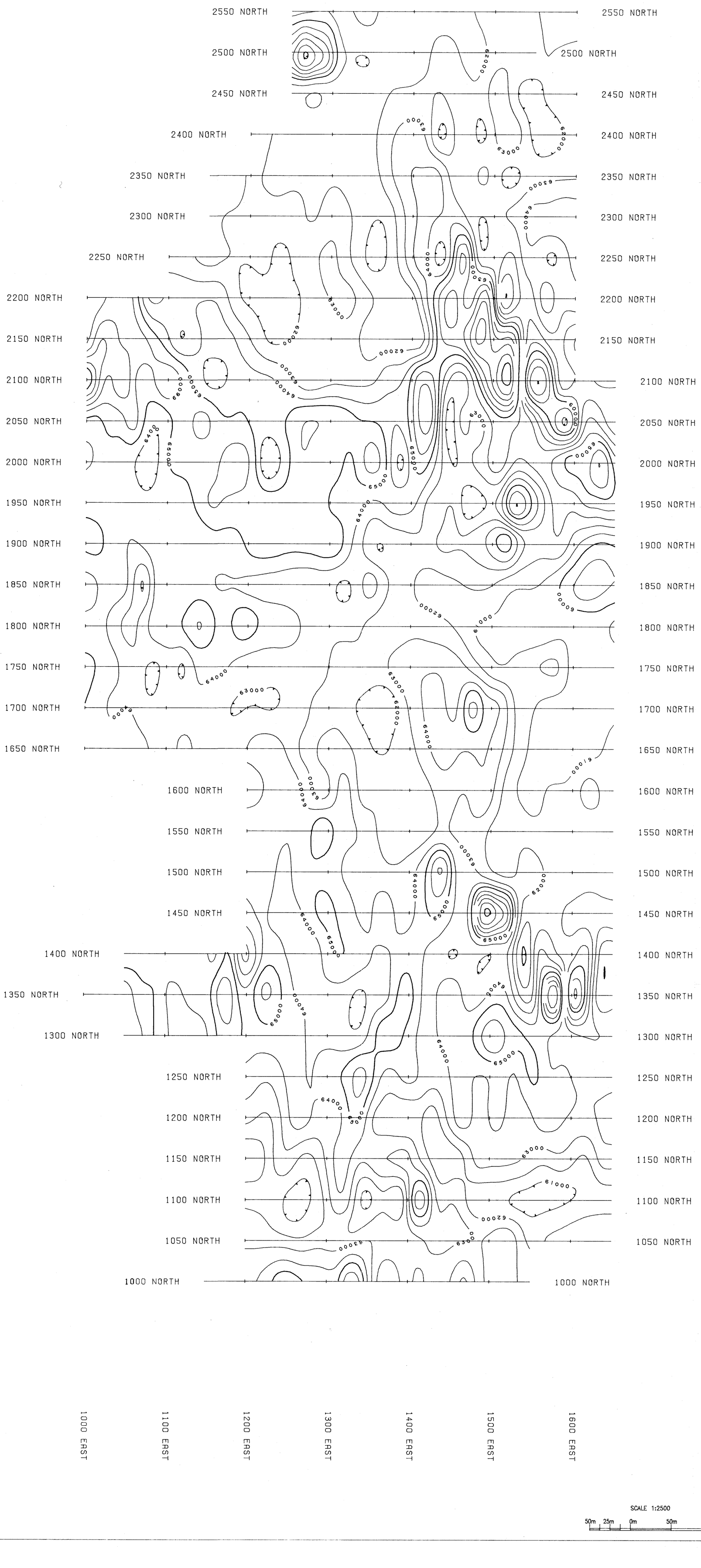
PROFILES LINES 1000N TO 2550N

COMPILED BY SCINTREX PTY LTD AUGUST 1988

C232 PLATE 5

Dwg. No.: 02/HZ/4/06

1000 EAST 1100 EAST 1200 EAST 1300 EAST 1400 EAST 1500 EAST 1600 EAST



1000 EAST 1100 EAST 1200 EAST 1300 EAST 1400 EAST 1500 EAST 1600 EAST

720271

TOTAL MAGNETIC CONTOURS

GRID MESH SIZE : 5m x 5m
CONTOUR INTERVAL : 1000 nT

5 cm

88-2876

SCALE 1:2500

50m 25m 0m 50m 100m

BIG RESOURCES MANAGEMENT LTD

HEAZLEWOOD E.L. 21/85
Tasmania

BRASSEY

MAGNETOMETER SURVEY

CONTOURS LINES 1000N TO 2550N

COMPILED BY SCINTREX PTY LTD AUGUST 1988

C232 PLATE 6

Dwg. No.: 02/HZ/4/07

APPENDIX 5E

DRILL LOGS AND SECTIONS

[redacted] SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.L.L. LABORATORY [redacted]

FIELD ENTRY

METALS EXPLORATION LIMITED

720273

HEAD OFFICE COPY

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cr
1	0	3.0	3.0	No sample.										
2	3.0	4.0	1.0	Olive green serpentinite, sheared, slickensides, minor vermicule veinlets.	724000	4	6	6	12	3	1	4	1800	18
4	4.0	5.0	1.0	Olive green serpentinite, feldspar latha 1% mgt.										
5	5.0	6.0	1.0	Brown green dunite; 2% magnetite.										
6	6.0	7.0	1.0	Brown green dunite; 4% magnetite; 1% dk grn - black serpentinite.	724001	2	7	0	5	2	0	<2	1020	135
7	7.0	8.0	1.0	Brown-green dunite; 5% magnetite; 3% dark green black serpentinite, 2% cream chert.										
8	8.0	9.0	1.0	Brown green dunite; 4% magnetite.										
9	9.0	10.0	1.0	Brown green dunite; 3% magnetite.										
10	10.0	11.0	1.0	Olive green dunite 30% Dark green-black magnetite 70%; 5% magnetite. Tr. resn qtz.	724002	<2	10	5	3	2	1	<2	1520	14
11	11.0	12.0	1.0	Massive dark olive green peridotite; pyroxene latha; 5% dk green glassy serpentinite.										
12	12.0	13.0	1.0	Dark olive green peridotite; minor 25% dunite; 3% magnetite.										
13	13.0	14.0	1.0	Dark olive-green peridotite massive 10% serp. intrusive; 2% white fibrous asbestos + pond silicified; 3% magnetite.	724003	2	4	3	9	2	1	<2	1620	4
14	14.0	15.0	1.0	ditto 3% magnetite.										
15	15.0	16.0	1.0											
16	16.0	17.0	1.0	Dark green f.gr dunite tr. mgt + chr. (60)	724004	<2	4	3	7	2	0	<2	1380	
17	17.0	18.0	1.0	Serpentinised dunite with white frags (qtz) Sample foamed heavily - many fines lost. (90)										
18	18.0	19.0	1.0	Dark green f.gr dunite 2% resin qtz tr chr (40)										
19	19.0	20.0	1.0	As for 18-19 tr chr (100)	724005	<2	5	2	7	2	0	2		
20	20.0	21.0	1.0	As for 19-20 tr chromite; tr mgt. (100)									1520	
21	21.0	22.0	1.0	As above tr orth, calcite, chr, mgt. (100)	724006	64	6	4	6	2	1	3		
22	22.0	23.0	1.0	As above (100)									1320	

MAP, AIR PHOTO OR DRAWING No. S. CARTHEW

LOGGED BY: D. SIMPSON | MACHINE: ROC 601 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 220 | MAG./~~GRID~~

FIELD ENTRY BY: D. SIMPSON DATE: 15/8

CHECK SAMPLE

LAB. NOTES: CHEMIST: DATE:

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADD

1: ROM/TO INTERVAL, ABBREV GEOL DESCRIPTION. This form is not to be used for a detailed DDH log

MAXIMUM 1 SAMP

A/O ANALYTICAL REPORT Sheet No. ..... of A/O

[redacted] SAM[redacted] LOCA[redacted] DE[redacted] ARE[redacted] LY CO[redacted] ENT[redacted] TH[redacted] M [redacted] FOR S[redacted] LES[redacted] TO [redacted] LAB[redacted] ORY[redacted]

FIELD EN

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XAMPLES

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV.GEOL.DESCRIPTION. This form is not to be used for a detailed DDH log.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.

MAXIMUM 1 SAMPLE/LINE
DESCRIPTION CAN BE

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV GEOL DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X = BELOW DETECTION LIMIT — Au (ppb)	Pt (ppb)	Pd (ppb)	Ru	Rh	Ir	Os	Ni (ppm)	Cu
	23.0	24.0	1.0	As above (80)	724006									
	24.0	25.0	1.0	As above (80)										
	25.0	26.0	1.0	As above 5% serpentinite (80)	724007	<2	7	5	12	2	0	<2	1640	12
	26.0	27.0	1.0	As above. (80)										
	27.0	28.0	1.0	Fine grained dark green dunite mtk to mgt clor, ank (90)	724008	<2	6	3	8	2	0	<2	1700	15
	28.0	29.0	1.0	As above; tr steel abv. (90)										
	29.0	30.0	1.0	As above. tr serp, clor, mgt, steel. (90)										
	30.0	31.0	1.0	As above. (90)										
	31.0	32.0	1.0	Dark green dunite 70%; green gray serp 30% tr ank, clor, mgt. (80)	724009	<2	3	1	7	3	0	4	1880	13
	32.0	33.0	1.0	Dark green dunite 95%; 5% blue-gn-gry serp tr. ank; clor, mgt. (100)										
	33.0	34.0	1.0	As for 32.0-33.0. (100)										
	34.0	35.0	1.0	As for 32.0-33.0 (100)	724010	8	4	0	13	3	0	<2	1820	13
	35.0	36.0	1.0	(100)										
	36.0	37.0	1.0	Dark green dunite; minor serp. tr clor (100)										
	37.0	38.0	1.0	tr. mgt. (100)	724011	<2	7	3	6	2	2	<2	1840	1
	38.0	39.0	1.0	(100)										
	39.0	40.0	1.0	Dark to medium green dunite, minor serp (100)										
				tr talc, clor, mgt & calcite	724012	5	3	7	16	3	2	2	1600	13
	40.0	41.0	1.0	(100)										
	41.0	42.0	1.0	(100)										
	42.0	43.0	1.0	(100)										
	43.0	44.0	1.0	Dark to med green dunite 85% Greenish gry serp 15%; tr ank, clor, mgt. (100)	724013	<2	4	3	11	2	0	4	1800	1
	44.0	45.0	1.0	As above. (70)										
	45.0	46.0	1.0	As above. (70)										
	46.0	47.0	1.0	As above. (70)	724014	<2	6	5	9	2	0	<2	1820	16
	47.0	48.0	1.0	As above little clor. (80)										

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: HEADLEWOOD AREA OR GRID NAME:

LINE No: LOCATION ON LINE OR HOLE NUMBER: BRP1 LOG PAGE 2 OF 3

CHECK SAMPLE

LAB. NOTES: CHEMIST: DATE: /

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

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

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FIELD EN

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EXAMPLES :

① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV. GEOL. DESCRIPTION. This form is not to be used for a detailed DDH log.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

MAXIMUM 1 SAMPLE/LINE

DESCRIPTION CAN BE

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au (ppb)	Pt	Pd	Ru	Rh	Ir	Os	Ni (ppm)	
1	480	490	1.0	As above, tr. serpentinite, calcite & ank										
2				rare chromite. (90)	724015	<2	2	4	2	2	0	<2	1880	2
3	490	500	1.0	As above.										
4														
5				50m = E.O.H.										
6														
7														
8														
9														
10														
11														
12														
13														
14														
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16														
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30														

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY :

MACHINE :

INCLINATION AT COLLAR

BEARING AT COLLAR

MAG./GRID

SAMPLE TYPE :

FIELD ENTRY BY :

DATE : / /

CHECK SAMPLE

LAB NOTES :

CHEMIST :

DATE : /

PROSPECT OR PROJECT :

AREA OR GRID NAME :

LINE No :

LOCATION ON LINE OR HOLE NUMBER : BRP1.

LOG PAGE 3 OF 3

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

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm
0	2.0	2.0	Fill and rubble - wet & contaminated - not sampled											
2.0	3.0	1.0	Partly weathered brown-green dunite (10)											
3.0	4.0	1.0	Partly weathered dunite, local serpentine alt. mmdm. (30)	724016	<2	5	1	5	3	0	<2	1800	9
4.0	5.0	1.0	" " " " " " " (30)											
5.0	6.0	1.0	" " " " " " " (30)	724017	<2	3	0	8	3	0	<2	1800	1
6.0	7.5	1.5	" " " " " " " (30)											
7.5	8.0	0.5	Grey-ish green partly weathered dunite; common chromite tr mgt. (100)	724018	<2	4	0	17	2	1	2	1780	2
8.0	9.0	1.0	As above with trace steel. (100)											
9.0	10.0	1.0	Partly serp. dunite with minor chromite (100)											
10.0	11.0	1.0	Fresh med olive green dunite; tr asbestos & minor chromite (100)	724019	<2	4	1	9	2	1	<2	1740	14
11.0	12.0	1.0	As above. (100)											
12.0	13.0	1.0	As above. trace carbonate. (100)											
13.0	14.0	1.0	As above. (100)	724020	<2	7	10	8	1	1	<2	1620	1
14.0	15.0	1.0	As above. (100)											
15.0	16.0	1.0	Grey-ish green to olive green serp. dunite. minor chromite (100)	724021	<2	4	0	12	2	1	<2	1680	1
16.0	17.0	1.0	As for 15-16 with off-white calcite fragments (100)											
17.0	18.0	1.0	Greenish grey serpentinite 50%; Olive green dunite 50% minor chromite (100)											
18.0	19.0	1.0	As above; trace asbestos (100)											
19.0	20.0	1.0	As above. minor chromite (100)	724022	2	3	2	7	1	2	<2	1780	14
20.0	21.0	1.0	Olive green dunite 30%; green-grey serp 70% minor chr (100)											
21.0	22.0	1.0	Greenish-grey serp 80%; olive grn dunite 20% minor chromite (100)	724023	2	1	7	12	2	3	2	1640	1
22.0	23.0	1.0	As above minor chromite (100)											
23.0	24.0	1.0	Dunite 90%. Serp 10% minor chromite (100)											
24.0	25.0	1.0	As for 23-24. Common chromite. (100)	724024								1740	11

CHECK SAMPLE

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D. SIMPSON | MACHINE: ROC 601 | INCLINATION AT COLLAR: -45 | BEARING AT COLLAR: 040 | MAG./GRID:

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 5/5/89

LAB. NOTES: | CHEMIST: | DATE: /

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: BRASSEY

LINE No: E-E' | LOCATION ON LINE OR HOLE NUMBER: BRP2 | LOG PAGE 1 OF 2

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

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① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV GEOL DESCRIPTION. This form is not to be used for a detailed DDH log.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.

MAXIMUM 1 SAMPLE / LINE

DESCRIPTION CAN BE

[redacted] SAM[redacted] LOC[redacted] DE[redacted] ARE[redacted] Y C[redacted] ENT[redacted] TH[redacted] RM [redacted] FOR [redacted] LES[redacted] TO [redacted] LABORATORY [redacted]

FIELD EN

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XAMPLES

① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV. GEOL. DESCRIPTION. This form is not to be used for a detailed DDH log.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.

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MAXIMUM SAMPLE/LINE DESCRIPTION CAN BE

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au ppb	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm
1	25.0	26.0	1.0	Pyrrhotite 60% ; quartz-grey serp 40% minor chromite	(100)	724024	<2	4	5	11	1	2	2	1740
2	26.0	27.0	1.0	As above. Minor chromite	(100)									
3	27.0	28.0	1.0	Serpentinite 90% Pyrrhotite 10% minor chromite	(100)									
4	28.0	29.0	1.0	Pyrrhotite 60% Serp 40% minor chr. & steel	(100)	724025	<2	6	4	9	3	3	2	1740
5	29.0	30.0	1.0	As above.	(100)									
6	30.0	31.0	1.0	Serp. 20% Pyrrhotite 80% minor chr.	(100)	724026	<2	7	4	5	2	1	4	1780
7	31.0	32.0	1.0	Serp 60% pyrrhotite 40% minor chr.	(100)									
8	32.0	33.0	1.0	As above	(100)	724027	<2	7	2	5	1	3	4	1740
9	33.0	34.0	1.0	As above but with trace qtz.	(100)									
10														
11				E.O.H. at 34m.										
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														

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 BRP 2 | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES | CHEMIST | DATE /

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

[redacted] SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY / LAB ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	Au ppb	Pt ppb	Pd ppb	Ru ppb	Rh ppb	Ir ppb	Os ppb	Ni ppm	Cr ppm
0	3.0	3.0	Open hole; Partly weathered dunite; moderate Fe staining on fractures; minor chr; tr. mgt (30)	724028	4	8	6	16	3	3	2	1740	1460
3.0	4.0	1.0	As for 0-3 but less weathered (100)										
4.0	5.0	1.0	As for 3-4 but fresher. (100)	724029	<2	7	6	7	2	2	2	2050	1360
5.0	6.0	1.0	Almost fresh greenish grey f. gr. dunite; tr weathered material; minor chr. tr. mgt & steel (100)										
6.0	7.0	1.0	As for 5-6 (100)										
7.0	8.0	1.0	As above but with 5% serp on fractures. Common chromite (100)	724030	<2	7	6	9	2	3	4	1700	1020
8.0	9.0	1.0	Serpentinized dunite 80% dunite 20% minor chr. tr mgt. (100)										
9.0	10.0	1.0	Dunite 80% serp. 20% minor chr. tr. mgt (100)										
10.0	11.0	1.0	Dunite 50% serp 50%. minor chr. tr mgt and asb (100)	724031	<2	5	2	15	3	2	4	1740	1580
11.0	12.0	1.0	Dunite 90% Serp 10% asbestos tr; minor chromite, tr mgt. (100)										
12.0	13.0	1.0	Dunite 90% Serp 7%; Asbestos 3% minor chr.; tr mgt. (100)	724032	<2	11	5	13	2	3	<2	1800	1960
13.0	14.0	1.0	Olive green dunite 90%; Serp 7%. Asb 3%. minor chr; tr mgt. (100)										
14.0	15.0	1.0	As above but tr asb. (100)										
15.0	16.0	1.0	Dunite 95% (fresh olive gr). Serp 5% minor. (100)										
16.0	17.0	1.0	As for 15-16 tr steel. No asb. (100)	724033	<2	9	4	16	2	2	4	1880	1940
17.0	18.0	1.0	Dunite 50% Serp 50% minor chr. tr. steel & mgt. (100)										
18.0	19.0	1.0	As above (100)										
19.0	20.0	1.0	As above. tr asb, mgt. minor chr. (100)	724034	<2	10	7	17	3	4	4	1740	1540
20.0	21.0	1.0	Dunite 50% Serp 45; talc gn talc 5%. tr. mgt & minor chr. (100)										
21.0	22.0	1.0	As above. talc 2%. (100)	724035									

CHECK SAMPLE

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY D. SIMPSON | MACHINE RDC 601 | INCLINATION AT COLLAR -45° | BEARING AT COLLAR 220 | MAG./GRID

SAMPLE TYPE PERCUSSION CHIP | FIELD ENTRY BY D. SIMPSON | DATE 7/5/88

LAB. NOTES: | CHEMIST: | DATE: / /

PROSPECT OR PROJECT HEARLEWOOD | AREA OR GRID NAME BRASSEY

LINE No. E-E1 | LOCATION ON LINE OR HOLE NUMBER BRP3 | LOG PAGE 1 OF 2

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

[redacted] SAMPLES [redacted] LOCATION [redacted] DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD EX

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① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV. GEOL. DESCRIPTION. This form is not to be used for a detailed DDH log.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION of sample.

[MAXIMUM 1 SAMPLE/LINE]

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cu
1	22.0	23.0	1.0	As above 5% talc.	(100)	724035	<2	9	6	20	2	3	4	1620	11
2	23.0	24.0	1.0	As above tr. talc minor chr.	(100)										
3	24.0	25.0	1.0	As above. tr talc.	(100)										
4	25.0	26.0	1.0	As above.	(100)	724036	<2	19	8	11	2	9	4	1600	14
5	26.0	27.0	1.0	As above tr. talc minor chr. tr mgt.	(100)										
6	27.0	28.0	1.0	As above No talc. minor chr.	(100)										
7	28.0	29.0	1.0	As above v. rare anh.	(100)	724037	2	10	2	17	2	3	4	1600	14
8	29.0	30.0	1.0	As above minor chromite	(100)										
9	30.0	31.0	1.0	Olive green f.gr. dunite tr. serp; minor chr.											
10				+ mgt.	(100)	724038	<2	10	5	8	2	2	4	1680	13
11	31.0	32.0	1.0	As above	(100)										
12	32.0	33.0	1.0	As above but no [redacted] serp	(100)										
13	33.0	34.0	1.0	Olive green f.gr. dunite minor chr. tr. mgt.	(100)										
14	34.0	35.0	1.0	As above.	(100)	724039	2	9	0	13	3	1	2	1700	21
15	35.0	36.0	1.0	As above.	(100)										
16	36.0	37.0	1.0	As above.	(100)										
17	37.0	38.0	1.0	As above : tr. serp.	(100)	724040	<2	7	0	12	3	2	<2	1680	16
18	38.0	39.0	1.0	As above.	(100)										
19	39.0	40.0	1.0	As above.	(100)										
20	40.0	41.0	1.0	As above.	(100)	724041	<2	9	8	12	2	2	<2	1680	19
21	41.0	42.0	1.0	As above.	(100)										
22	42.0	43.0	1.0	As above.	(100)										
23	43.0	44.0	1.0	As above. tr serp	(100)	724042	<2	7	4	12	2	0	6	1600	13
24	44.0	45.0	1.0	As above " "	(100)										
25	45.0	46.0	1.0	As above.	(100)										
26	46.0	47.0	1.0	As above	(100)	724043	<2	1	4	13	1	1	<2	1800	90
27	47.0	48.0	1.0	As above	(100)										
28	48.0	49.0	1.0	As above tr. serp.	(100)	724044	6	9	4	5	3	2	4	1740	124
29	49.0	50.0	1.0	As above tr. serp	(100)										
30				EOH = 50m											

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY | MACHINE | INCLINATION AT COLLAR | BEARING AT COLLAR | MAG./GRID

SAMPLE TYPE | FIELD ENTRY BY | DATE 7/5/82

PROSPECT OR PROJECT | AREA OR GRID NAME

LINE No. E-E' | LOCATION ON LINE OR HOLE NUMBER BRP 3. | LOG PAGE 2 OF 2.

CHECK SAMPLE

LAB. NOTES | CHEMIST | DATE /

LOG & ANALYTICAL REPORT Sheet No.... of 4 10

[redacted] LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au (ppb)	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	
0	1.0	1.0	Weathered Feldspathic dunite minor chr.	(5)											
1.0	2.0	1.0	" " " "	(5)	724045	4	5	4	14	2	0	<2	2950		
2.0	3.0	1.0	" " " "	(5)											
3.0	4.0	1.0	As above. "	(100)											
4.0	5.0	1.0	As above but less weathered. minor chr.	(100)	724046	2	7	7	9	3	0	<2	940		
5.0	6.0	1.0	As above. broken	(100)											
6.0	7.0	1.0	" " "	(100)											
7.0	9.0	1.0	" " "	(100)	724047	<2	7	5	15	7	1	2	1260		
8.0	9.0	1.0	Fresh l.gr. dunite 80%; talc 20% 5% chr.	(100)											
9.0	10.0	1.0	Dunite 75% talc 3% serp 2% tr chr/mgt.	(100)											
10.0	11.0	1.0	As above.	(100)	724048	<2	19	8	10	2	1	2	1300		
11.0	12.0	1.0	Dunite 98% talc 2% tr mgt / chr.	(100)											
12.0	13.0	1.0	As above.	(100)											
13.0	14.0	1.0	Fresh dunite 90%; serp 10% tr ank, chr, mgt.	(100)	724049	2	18	5	14	3	2	4	1440		
14.0	15.0	1.0	" " " " "	(100)											
15.0	16.0	1.0	Dunite 100% tr mgt / chr.	(100)											
16.0	17.0	1.0	Olive gn dunite minor serp chr/mgt.	(100)	724050	<2	24	3	4	3	2	2	1300		
17.0	18.0	1.0	As above. tr ank chr.	(100)											
18.0	19.0	1.0	Ol. gn dunite with minor mgt / chr.	(100)											
19.0	20.0	1.0	As above to calcite veining	(100)											
20.0	21.0	1.0	Ol. gn. dunite fract serp & tr v. calcite common mgt / chr.	(100)	724051	2	14	4	12	3	4	10	1320		
21.0	22.0	1.0	Serp alt. dunite 1% ank. minor mgt.	(100)											
22.0	23.0	1.0	As for (21-22) tr ank	(100)	724052	<2	13	5	10	3	2	6	1420		
23.0	24.0	1.0	As above. tr ank tr mgt.	(100)											
24.0	25.0	1.0	As above.	(100)											
25.0	26.0	1.0	Pale gn serp & dunite 95%; dunite 5% minor mgt	(100)	724053	<2	11	13	5	3	0	2	1020		
26.0	27.0	1.0	As for (25-26)	(100)											

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D. SIMPSON | MACHINE: ROC 601 | INCLINATION AT COLLAR: -65° | BEARING AT COLLAR: 040 MAG./GRID:

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 11/5/85

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: BRASSEY

LINE No.: E-E' | LOCATION ON LINE OR HOLE NUMBER: BRP4 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: /

LOG & ANALYTICAL REPORT

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

SAMPLES: ① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV. GEOL. DESCRIPTION. This form is not to be used for a diamond D.D.H. log. ② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE etc. ③ Rotary air blast drilling, use HOLE NUMBER. Blank box for colour. [MAXIMUM 1 SAMPLE / LINE]

[redacted] SA[redacted].LO[redacted]N DE[redacted] ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

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FIELD E[illegible]

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① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV GEOL DESCRIPTION. This form is not to be used for a detailed DDH log.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION
③ Rotary or blast drilling

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT — Au (ppb)	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cu
1	27.0	28.0	1.0	Partly serp^{d} dunite minor mgt.	(100)										
2	28.0	29.0	1.0	As above. tr ank	(100)	724054	4	21	13	11	2	0	<2	1280	6
3	29.0	30.0	1.0	As above. minor mgt.	(100)										
4	30.0	31.0	1.0	As above tr talc/ank. / mgt.	(100)										
5	31.0	32.0	1.0	As above.	(100)	724055	6	12	11	9	3	1	2	1060	6
6	32.0	33.0	1.0	As above. tr ank, minor mgt.	(100)										
7	33.0	34.0	1.0	Serp^{d} dunite (some pale green) tr mgt.	(100)										
8	34.0	35.0	1.0	As above. tr ank (fibres to 10mm)	(100)	724056	2	10	6	10	6	2	<2	1200	8
9	35.0	36.0	1.0	As above. tr ank (fibres to 8mm)	(100)										
10	36.0	37.0	1.0	As above. 2% ank common mgt	(100)										
11	37.0	38.0	1.0	Greenish grey serp^{d} dunite, 2% ank, common mgt.	(100)	724057	6	8	3	18	4	1	<2	1360	61
12	38.0	39.0	1.0	As above rare ank.	(100)										
13	39.0	40.0	1.0	As above. rare ank.	(100)										
14	40.0	41.0	1.0	As above. 1/0 ank common mgt.	(100)	724058	<2	12	3	15	5	1	2	1260	63
15	41.0	42.0	1.0	As above.	(100)										
16	42.0	43.0	1.0	As above. tr vein calcite tr mgt.	(100)										
17	43.0	44.0	1.0	As above. tr v. calcite	(100)	724059	2	11	6	4	4	1	3	1240	49
18	44.0	45.0	1.0	" " " "	(100)										
19	45.0	46.0	1.0	As above some apple green serp tr v. calcite.	(100)										
20	46.0	47.0	1.0	" " " "	(100)	724060	<2	7	4	16	3	3	4	1220	61
21	47.0	48.0	1.0	As above. tr vein calcite	(100)										
22	48.0	49.0	1.0	Apple-green serp 80%; dunite 20% tr white minerals in fractures tr mgt.	(100)	724061	<2	8	8	19	4	2	<2	930	80
23	49.0	50.0	1.0	Green-grey f.gr. dunite tr mgt.	(100)										
24				50m = End of hole.											
25															
26															
27															
28															
29															
30															

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: HEAZLEWOOD AREA OR GRID NAME:

LINE No: LOCATION ON LINE OR HOLE NUMBER: BRP 4 LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES: CHEMIST: DATE: / /

LOG & ANALYTICAL REPORT Sheet No [illegible]

SAMPLE LOCATION DETAILS ARE [illegible] - THIS FORM [illegible] FOR SAMPLES GOING TO M.E.L. LABORATORY

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FIELD ENTRY

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. CONTINUATION SHEETS CAN BE ADDED

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER
0	2.0	2.0	Weathered brown to greenish dunite - tr clay	(40)	724062
2.0	3.0	1.0	As above sl. less weathered.	(50)	
3.0	4.0	1.0	As above.	(40)	
4.0	5.0	1.0	As above. tr fine chrysos.	(100)	724063
5.0	6.0	1.0	Greenish brown weath. dunite minor chr.	(100)	
6.0	7.0	1.0	Khaki to dl. gn. dunite c minor chr/mgt.	(100)	
7.0	8.0	1.0	As above.	(100)	724064
8.0	9.0	1.0	As above. minor chr/mgt.	(100)	
9.0	10.0	1.0	As above.	(100)	
10.0	11.0	1.0	As above.	(100)	724065
11.0	12.0	1.0	As above. tr pyrite	(100)	
12.0	13.0	1.0	As above	(100)	
13.0	14.0	1.0	As above. tr finely mineral	(100)	724066
14.0	15.0	1.0	As above. tr calcite.	(100)	
15.0	16.0	1.0	As above. tr vein calcite.	(100)	
16.0	17.0	1.0	As above. tr chr/mgt.	(100)	724067
17.0	18.0	1.0	As above. tr clay on fractures tr mgt/chr.	(100)	
18.0	19.0	1.0	Serpentinite - grey friably with dunite. tr chr/mgt	(35)	
19.0	20.0	1.0	As above.	(50)	724068
20.0	21.0	1.0	As above. tr serp./calcite.	(70)	
21.0	22.0	1.0	As above. tr fresh serp.	(100)	
22.0	23.0	1.0	As above. tr serp + calcite minor chr/mgt	(100)	724069
23.0	24.0	1.0	As above.	(100)	
24.0	25.0	1.0	As above.	(100)	
25.0	26.0	1.0	As above. tr coarse calcite. minor serp. tr mgt.	(100)	724070
26.0	27.0	1.0	Greenish grey f. gr. fresh dunite tr serp/chr/mgt.	(100)	
27.0	28.0	1.0	As above tr mgt/chr.	(100)	
28.0	29.0	1.0	As above. tr calcite. mgt/chr.	(100)	724071
29.0	30.0	1.0	As above. tr mgt.	(100)	

RESULTS IN PPM UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT

SAMPLE NUMBER	Au ppb	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cr
724062	<2	-	4	9	2	2	<2	1440	106
724063	<2	8	3	15	5	1	2	1380	730
724064	<2	6	13	12	4	1	<2	1280	670
724065	2	9	8	23	5	0	4	1300	840
724066	2	6	2	10	4	2	<2	1320	560
724067	2	6	5	8	2	1	<2	1320	590
724068	2	5	6	9	4	1	<2	1280	600
724069	2	5	5	19	5	1	4	1340	630
724070	2	4	7	12	3	2	2	1120	400
724071	2	7	5	4	3	2	4	1260	450

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D. SIMPSON | MACHINE: RDC 601 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 220 MAG./GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: D. SIMPSON | DATE: 12/5/88

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: BRASSEY

LINE No.: E-E' | LOCATION ON LINE OR HOLE NUMBER: BRP 5 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. [illegible]

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR [redacted] TO [redacted] LABORATORY [redacted]

FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY	SAMPLE NUMBER	Au ppb	Pt ppb	Pd ppb	Ru ppb	Rh ppb	Ir ppb	Os ppb	Ni ppm	Cu ppm
30.0	31.0	1.0	Serp. altered dunite, grey-greenish dunite with some clay & sugl.	(30)	724072	<2	11	9	8	3	2	<2	890	43
31.0	32.0	1.0	As above & sugl.	(60)										
32.0	33.0	1.0	As above with 15% serp. & sugl.	(30)										
33.0	34.0	1.0	As above. [Hole west from here]	(70)										
34.0	35.0	1.0	As above & sugl. calcite.	(20)	724073	<2	6	10	4	4	2	<2	940	54
35.0	36.0	1.0	Serp. altered dunite with 10% ank. & sugl.	(80)										
36.0	37.0	1.0	As above.	(60)										
37.0	38.0	1.0	As above.	(80)	724074	<2	5	11	4	5	0	<2	880	46
38.0	39.0	1.0	As above.	(80)										
39.0	40.0	1.0	Serp. altered dunite & ank.	(70)										
40.0	41.0	1.0	F.gr. dk. gn. dunite with & ank, serp & minor chr.	(5)	724075	<2	5	9	10	2	1	<2	770	32
41.0	42.0	1.0	As above.	(5)										

Hole abandoned at 42m due to lack of sample return.

RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT

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 BRP 5 | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES | CHEMIST | DATE / /

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

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© Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV. GEOL. DESCRIPTION

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR [redacted] TO [redacted] LABORATORY

FIELD ENTRY

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© Diamond drilling, one HOLE NUMBER. FROM/TO, INTERVAL (ABBREVIATED) DESCRIPTION

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cu
0	2.0	2.0	Weathered and Fe stained dunite	(40)	724076	<2	7	6	1	4	1	<2	900	470
2.0	3.0	1.0	Partly weath f-gr. ol. grn to greyish dunite.	(50)										
3.0	4.0	1.0	As above. tr steel, chr.	(10)										
4.0	5.0	1.0	As above. tr mgt.	(90)	724077	<2	7	8	10	2	1	4	1100	48
5.0	6.0	1.0	As above. "	(50)										
6.0	7.0	1.0	As above.	(40)										
7.0	8.0	1.0	As above.	(60)	724078	4	12	5	14	2	0	6	1240	610
8.0	9.0	1.0	Fresh ol. grn to blueish f-gr dunite tr mgt / steel.	(100)										
9.0	10.0	1.0	As above	(50)										
10.0	11.0	1.0	Greenish-grey to grey f-gr dunite minor mgt / steel.	(100)	724079	2	5	6	3	3	1	2	1240	590
11.0	12.0	1.0	As above. tr steel minor mgt.	(100)										
12.0	13.0	1.0	As above. tr steel.	(100)										
13.0	14.0	1.0	As above minor mgt.	(100)	724080	<2	11	4	10	1	3	4	1260	590
14.0	15.0	1.0	As above.	(100)										
15.0	16.0	1.0	As above but more grey. Minor serp. tr mgt	(100)										
16.0	17.0	1.0	Grey to blackish serp. tr oxide, mgt.	(120)	724081	<2	6	5	10	3	1	2	940	290
17.0	15.0	1.0	Greenish grey serp. 80% dunite 20% tr mgt.	(40)										
15.0	19.0	1.0	Serp dunite 90% serp 10% tr mgt.	(100)										
19.0	20.0	1.0	As above tr mgt, steel.	(80)	724082	2	5	4	13	3	2	3	960	350
20.0	21.0	1.0	As above. tr. vein calcite & mgt.	(100)										
21.0	22.0	1.0	Partly serp dunite 95%, dunite 5% tr. v. calcite + mgt.	(100)										
22.0	23.0	1.0	As above tr py.	(100)	724083	<2	4	15	11	4	1	<2	4400	420
23.0	24.0	1.0	As above tr oxide	(100)										
24.0	25.0	1.0	As above tr oxide. minor mgt.	(90)										
25.0	26.0	1.0	As above 2% serp tr mgt.	(100)	724084	<2	5	9	9	2	1	<2	980	630
26.0	27.0	1.0	Serpentinized dunite 90% Pale grn serp 10% tr mgt.	(100)										
27.0	28.0	1.0	As above with minor calcite tr mgt	(100)									1	
28.0	29.0	1.0	Asbestos-rich serp ~~5%~~ 10% tr mgt/calcite.	(100)	724085	<2	7	7	6	3	3	<2	1340	1220

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D SIMPSON | MACHINE: RDC 601 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 040 MAG/GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 13/5/88

PROSPECT OR PROJECT: HERZLEWOOD | AREA OR GRID NAME: BRASSEY

LINE No: | LOCATION ON LINE OR HOLE NUMBER: BRP 6 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

[redacted] LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO [redacted] LABORATORY [redacted]

FIELD ENTRY

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN P.P.M UNLESS OTHERWISE STATED; X= BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni PPM	Cu
1	29.0	30.0	1.0	Serpentinized dunite 100% to mgt.	(10)	724095									
2	30.0	31.0	1.0	Greyish-green f.gr. dunite, part serp. to mgt.	(10)										
3	31.00	32.0	1.0	Partly clay-altered dunite. Shear?	(5)	724086	<2	9	3	12	3	7	8	1320	98
4	32.0	33.0	1.0	Clay-altered dunite. 70% Serp 30%	(5)										
5	33.0	34.0	1.0	As above to calcite, no mgt.	(2)										
6	34.0	35.0	1.0	As above. minor clay	(5)										
7	35.0	36.0	1.0	Serp + clay alt. dunite 90% Serp 10% to mgt.	(5)	724087	<2	4	4	15	2	0	2	1700	900
8															
9	36.0	37.0	1.0	As above.		No sample									
10															
11															
12				Abandon hole at 37m.											
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
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29															
30															

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① Diamond drilling, use HOLE NUMBER FROM/TO INTERVALS ABBREV. GEOL. DESCRIPTION ASSAY SUMMARY

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: BRP 6 LOG PAGE 2 OF 2

CHECK SAMPLE

LAB NOTES: CHEMIST: DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

[redacted] STATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY [redacted]

FIELD ENTRY

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© Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV. GEOL. DESCRIPTION, ASSAY SUMMARY

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu
1	0	1.0	1.0		No sample									
2	1.0	2.0	1.0	Dunite, ol. gn. granul. with 2% mgt mm asp on joints.	724088	4	3	8	5	4	4	4	1500	74
4	2.0	3.0	1.0	Dunite ol. gn. 5% mgt as bands.										
5	3.0	4.0	1.0	As above.										
6	4.0	5.0	1.0	As above.	724089	<2	5	8	10	4	4	2	1420	65
7	5.0	6.0	1.0	Dunite ol. gn. 6% mgt-chr as bands (massive). 5% asp veinlets.										
9	6.0	7.0	1.0	Dunite ol. gn. 6% mgt-chr in bands, asp-ant associated. fine hair-like fractures.										
11	7.0	8.0	1.0	Dunite ol. gn. 2% mgt-chr in bands. Minor oxidation on joints.	724090	<2	6	8	7	3	3	<2	1460	89
13	8.0	9.0	1.0	Dunite ol. gn. 3% antigor 6% mgt-chr. minor asp on fractures.										
15	9.0	10.0	1.0	Dunite ol. gn. massive 2% mgt-chr. - hair-like fractures										
17	10.0	11.0	1.0	Dunite - ol. gn. massive granular minor asp on fract. 3% mgt-chr.	724091	2	6	4	7	4	5	<2	1460	78
19	11.0	12.0	1.0	Dunite - ol. gn. massive tr ank. minor asp along fractures 2% mgt-chr.										
21	12.0	13.0	1.0	Dunite talc gn ol. gn. massive 5% tubular ank + talc, minor asp along joints tr. mgt-chr.										
23	13.0	14.0	1.0	Dunite - pyroxenite ol. gn 1% mgt-chr. 1% ank.	724092	2	4	8	10	4	4	2	1360	780
25	14.0	15.0	1.0	NR+O.										
26	15.0	16.0	1.0	Peridotite, massive dark grey fine grained. 20% dunite, 2% mgt-chr.										
28	16.0	17.0	1.0	Peridotite 25% dunite, 2% mgt-chr. minor silicification (js) + serpentinization.	724093	<2	6	8	7	3	4	<2	1440	720
30	17.0	18.0	1.0	Peridotite - dunite 50-50 2% mgt-chr. minor asp										

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: S. CARTHEW. MACHINE: ROC 601 INCLINATION AT COLLAR: -47 BEARING AT COLLAR: 220 MAG./GRID

SAMPLE TYPE: PERCUSSION CHIP. FIELD ENTRY BY: DATE: 15/85

PROSPECT OR PROJECT: HENZLEWOOD AREA OR GRID NAME: BARSSEY

LINE No: E-E' LOCATION ON LINE OR HOLE NUMBER: BRP 7 LOG PAGE 1 OF 3

CHECK SAMPLE

LAB. NOTES: CHEMIST: DATE: / /

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

[redacted] LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES [redacted] TO [redacted] LABORATORY [redacted]

FIELD ENTRY

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au (ppb)	Pt	Pd	Ru	Rh	Ir	Os	Ni (ppm)	Cr
1	18.0	19.0	1.0	Nitho										
2	19.0	20.0	1.0	Peridotite dark grey fine grained 3% mgt-chr; 40% dunite 3% carbonates.	724094	8	6	5	9	4	4	2	1440	50
3	20.0	21.0	1.0	Peridotite dark grey fine grained 4% mgt-chr.										
4	21.0	22.0	1.0	Peridotite dark grey fine grained 7% ser. 1% mgt-chr. minor serp.										
5	22.0	23.0	1.0	Peridotite 2% magnetite-chr. 20% dunite.	724095	-	-	-	-	-	-	-	I.S.	I.S
6	23.0	24.0	1.0	Peridotite 2% mgt-chr minor serp along fractures - some clay.										
7	24.0	25.0	1.0	Peridotite 2% mgt-chr. clay along joints lt. ol. gn.										
8	25.0	26.0	1.0	Peridotite lt. ol. gn. blueish tinge clay; 5% dunite 1% mgt-chr.	724096	<2	8	7	7	3	4	<2	1460	49
9	26.0	27.0	1.0	lt. ol. gn. peridotite 10% dunite; 2% carbonates blueish tinge.										
10	27.0	28.0	1.0	Ol. gn. peridotite - serpentinite; 4% mgt-chr + blueish-tinge mineral, striations on joint faces.										
11	28.0	29.0	1.0	Ol. gn - peridotite - serpentinite 4% magnetite - chromite. blueish tinge mineral - minor clay on joints	724097	<2	5	3	8	4	4	4	1400	620
12	29.0	30.0	1.0	Ol. gn peridotite + 5% serpentinite 2% mgt-chr. blueish tinge mineral.										
13	30.0	31.0	1.0	Ol. gn. peridotite 5% serp. 2% mgt-chr (30) 1% blueish tinge mineral.										
14	31.0	32.0	1.0	Ol. gn. peridotite 5% dunite, serpentine (31) dunite 3% mgt-chr and mineral of blueish tinge	724098	<2	4	7	9	3	4	2	1420	670
15	32.0	33.0	1.0	Ol. gn peridotite, 10% serp. dunite mineral of blueish tinge. (10)										
16	33.0	34.0	1.0	Ol. gn peridotite 10% serp dunite to blueish mineral.										
17	34.0	35.0	1.0	Ol. gn. peridotite; 10% serp dunite 2% mgt-chr. tr. blueish tinge mineral.	724099	2	6	8	7	3	4	<2	1400	670

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: BRP7 | LOG PAGE 2 OF 3

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

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FIELD ENTRY

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① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV. GEOL. DESCRIPTION

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION	GEOLOGICAL DESCRIPTION OF SAMPLE — ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
1	35.0	36.0	1.0	Ol. gn. Serpentite 5% comp. dunite; 2% mgt-chr.	trace bluish-beige mineral (20)	724099									
2															
3	36.0	37.0	1.0	Ol. gn. Serpentite, 4% magnetite-chromite	to clay. bluish-beige mineral on joints. (30)										
4															
5	37.0	38.0	1.0	Ol. gn. Serpentite 4% magnetite-chromite.	to. bluish mineral on joints. 5% comp. chromite-bearing dunite, asbestos.	724100	42	6	8	7	3	6	2	1320	70
6															
7															
8	38.0	39.0	1.0	Ol. gn. Serpentite; 3% asbestos. 2% mgt, chr.											
9	39.0	40.0	1.0	Ol. gn. Serpentite, to asbestos 3% mgt-chr.	massive heavily fractured.										
10															
11	40.0	41.0	1.0	Ol. gn. Serpentite to asbestos 2% mgt-chr. (70)		724101	6	2	8	10	4	4	2	1340	65
12	41.0	42.0	1.0	Serpentite 2% mgt-chr. to asbestos (20)											
13	42.0	43.0	1.0.	No return.		No sample									
14															
15															
16				Hole abandoned in broken ground at 43m.											
17				lost circulation.											
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															

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: BRP 7 | LOG PAGE 3 OF 3

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

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FIELD ENTRY

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN ppb UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cu ppm
1	0	1.0	1.0	Not logged.	No sample									
2	1.0	2.0	1.0	Dark gr. dunite 2% mgt-chr. poor. moderate (50)										
3	2.0	3.0	1.0	Dark gr. dunite 4% mgt-chr poorly fractured	724102	<2	4	4	8	4	4	2	1460	74
4	3.0	4.0	1.0	Dark gr. dunite 5% mgt-chr, poorly fractured										
5				iron oxides on joints										
6	4.0	5.0	1.0	Gr. dunite 6% mgt-chr, poorly fractured,										
7				minor iron oxide on joints.	724103	2	3	5	8	2	5	<2	1260	74
8	5.0	6.0	1.0	Gr. gn dunite 4% mgt-chr fractured										
9				oxidized, clay along joints.										
10	6.0	7.0	1.0	Pale gr. gn dunite 6% mgt-chr. fract. oxidized.										
11	7.0	8.0	1.0	Dunite, gr. green 2% magnetite - chromite										
12				clay on joints.	724104	<2	4	4	13	4	4	<2	1460	62
13	8.0	9.0	1.0	Dunite gr. gn. 4% mgt-chr. 3% asbestos										
14				massive poorly fractured.										
15	9.0	10.0	1.0	Dunite gr. gn 5% mgt-chr. poorly fract										
16				massive										
17	10.0	11.0	1.0	Dunite gr. gn. 5% mgt-chr. poorly fract.										
18				fractures & clay on joints.	724105	<2	5	8	14	4	5	<2	1420	650
19	11.0	12.0	1.0	Dunite light olive green 6% mgt-chr.										
20				minor clay on joints.										
21	12.0	13.0	1.0	Light gr. dunite soap dunite 4% mgt-chr.										
22	13.0	14.0	1.0	Light gr. dunite soap dunite 3% mgt-chr										
23				poorly fractured massive	724106	<2	20	10	12	13	4	2	1540	610
24	14.0	15.0	1.0	Very light gr. dunite 5% asbestos 1%										
25				chromite bands, mammil.										
26	15.0	16.0	1.0	Very light gr. dunite, 3% asbestos 3%										
27				mgt-chr.										
28	16.0	17.0	1.0	Light gr. dunite, 20% soapdunite, 4% chr. mgt	724107	2	5	5	6	2	3	2	1340	720
29				1% asb.										
30	17.0	18.0	1.0	Light gr. dunite, 5% soap dunite 2% chr. mgt. tr asb.										

CHECK SAMPLE

LAB. NOTES: CHEMIST:

DATE: / /

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: S. CARTHEW 0-51, P. SIMPSON 51-70 | MACHINE: ROC 601 | INCLINATION AT COLLAR: -45 | BEARING AT COLLAR: 040 | MAG./GRID:

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 15/88

PROSPECT OR PROJECT: HEADLEWOOD | AREA OR GRID NAME: BRASSEY

LINE No: E-E' | LOCATION ON LINE OR HOLE NUMBER: BRP 8 | LOG PAGE 1 OF 4

LOG & ANALYTICAL REPORT Sheet No. of A/O

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FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
18.0	19.0	1.0	Lt. gn. dunite, 10% serp dunite 4% clay-mgt. massive trash										
19.0	20.0	1.0	Lt. gn. dunite. 20% serp dunite. 4% clay-mgt. minor clay along joints	724108	<2	3	L	10	4	3	2	1360	100
20.0	21.0	1.0	Lt. gn. dunite, 10% serp dunite 4% clay-mgt.										
21.0	22.0	1.0	Ditto massive.										
22.0	23.0	1.0	Lt. gn. dunite - serp dunite 2% clay-mgt. clay on fractures - FAULT	724109	<2	2	5	12	3	3	<2	1380	510
23.0	24.0	1.0	Gn. dunite, serp dunite 1% clay-mgt. 5% clay on fract.										
24.0	25.0	1.0	Gn. dunite - serp dunite 4% mgt-clay. minor clay on fractures										
25.0	26.0	1.0	Gn. dunite - serp dunite 4% mgt-clay; tr blue mineral on fractures.	724110	2	4	3	9	4	3	<2	1380	940
26.0	27.0	1.0	Gn. dunite - serp dunite 1% mgt-clay; heavily fract-ured, tr blue mineral on fractures.										
27.0	28.0	1.0	Gn. dunite - serp dunite; 2% mgt-clay. minor qtz veining.										
28.0	29.0	1.0	Gn. dunite 5% serp dunite 1% mgt-clay v. minor qtz veining.	724111	2	5	8	15	5	6	4	1360	1140
29.0	30.0	1.0	Gn. dunite 5% serp dunite 0.5% mgt-clay 2% asbestos										
30.0	31.0	1.0	Gn. dunite - some clay-talc; tr blue tinged mineral.										
31.0	32.0	1.0	Gn. dunite, 1% mgt-clay. tr blue mineral	724112	<2	4	12	9	5	8	4	1260	1200
32.0	33.0	1.0	Gn. dunite dom. 2% mgt-clay; 1mm wide planes of shiftage slickensides										
33.0	34.0	1.0	Gn. dunite 2% mgt-clay. 5% serp dunite.										
34.0	35.0	1.0	Gn. dunite tr mgt-clay.	724113	<2	11	7	9	5	5	4	1240	890
35.0	36.0	1.0	Gn. dunite 0.5% mgt-clay. 2% serp dunite.										
36.0	37.0	1.0	Gn. dunite tr mgt-clay. minor vein qtz.										
37.0	38.0	1.0	Gn. dunite. - ditto.	724114	<2	8	12	15	7	6	2	1260	860

CHECK SAMPLE

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: | MACHINE: | INCLINATION AT COLLAR: | BEARING AT COLLAR: | MAG / GRID

SAMPLE TYPE: | FIELD ENTRY BY: | DATE: / /

LAB NOTES: | CHEMIST: | DATE: / /

PROSPECT OR PROJECT: | AREA OR GRID NAME:

LINE No: | LOCATION ON LINE OR HOLE NUMBER: BRP 8 | LOG PAGE 2 OF 4

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

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FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	Au ppb	Pt ppb	Pd ppb	Ru ppb	Rh ppb	Ir ppb	Os ppb	Ni ppm	Cr ppm
38.0	39.0	1.0	Ol. gn dunite 1% sngl-disc. tr sngl. shearing	724114									
39.0	40.0	1.0	Ol. gn dunite 2% sngl-disc 5% asbestos.										
40.0	41.0	1.0	Ol. gn dunite 3% asb 1% sngl-disc. massive fearly fractured	724115	2	10	12	10	6	6	6	1260	900
41.0	42.0	1.0	As Ho										
42.0	43.0	1.0	Ol. gn dunite massive 2% sngl-disc. tr asbestos.										
43.0	44.0	1.0	Ol. gn dunite massive 2% sngl-disc. tr asbestos.	724116	<2	17	8	11	6	5	6	1300	920
44.0	45.0	1.0	Ol. gn dunite massive 2% sngl-disc 4% asbestos tr. fracture-fraged mineral										
45.0	46.0	1.0	Ol. gn. dunite, massive 1% sngl-disc 1% asbestos.										
46.0	47.0	1.0	Ol. gn dunite. massive ditto	724117	<2	18	9	10	8	8	6	1340	920
47.0	48.0	1.0	Ol. gn dunite massive, 2% sngl. disc 1% asbestos										
48.0	49.0	1.0	Ditto.										
49.0	50.0	1.0	Ol. gn dunite, massive 2% sngl-disc 2% asb. (40) minor shearing	724118	3	26	10	8	7	7	4	1320	710
50.0	51.0	1.0	Ol. gn. dunite 2% sngl-disc. 1% asbestos.										
51.0	52.0	1.0	As Ol. gn. dunite some thin sngl/ disc bands.	(60)									
52.0	53.0	1.0	As above.	(60)	46	18	7	11	6	7	6	1260	800
53.0	54.0	1.0	As above	(60)									
54.0	55.0	1.0	As above.	(60)									
55.0	56.0	1.0	As above. 1% asbestos	(60)	<2	17	6	11	6	9	8	1340	1080
56.0	57.0	1.0	As above. tr asb & minor serpentinite	70									
57.0	58.0	1.0	As above 2% asb. 3% serp.	(80)									
58.0	59.0	1.0	As above. 5% asb. 3% serp. tr sngl/ disc	(60)	<2	5	3	2	3	8	2	1400	1080
59.0	60.0	1.0	As above. 5% asb. 3% serp. tr sngl/disc.	(60)									
60.0	61.0	1.0	As above. tr sngl/disc. (200mm cavity)	(30)									
61.0	62.0	1.0	As above. tr sngl/disc. 2% asb, 3% serp.	(70)	2	25	14	11	9	9	4	1420	1420
62.0	63.0	1.0	As above.	(80)									
63.0	64.0	1.0	As above.	(5)	<2	18	7	5	2	4	<2	1400	1120
64.0	65.0	1.0	As above.	(30)									

RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT

CHECK SAMPLE

LAB NOTES:

CHEMIST:

DATE: / /

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: BRP 8

LOG PAGE 3 OF 4

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

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FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV GEOL. DESCRIPTION	GEOLOGICAL DESCRIPTION OF SAMPLE: ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN ppb UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cu ppm
65.0	66.0	1.0	As above.	Possible contamination.	J724123									
66.0	67.0	1.0	As above.	Lens chert fragment.	(10)									
67.0	68.0	1.0	As above	to ark 5% samp.	(10) 724124	<2	19	6	13	4	6	6	1240	740
68.0	69.0	1.0	As above.	to ark 5% samp. to mgt/chl.	(50)									
69.0	70.0	1.0	As above.		(50) 724125	2	20	13	11	6	8	10	1260	1180

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MAP, AIR PHOTO OR DRAWING No.:

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

SAMPLE TYPE: | FIELD ENTRY BY: | DATE: / /

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

PROSPECT OR PROJECT: | AREA OR GRID NAME:

LINE No.: | LOCATION ON LINE OR HOLE NUMBER: BRP 8 | LOG PAGE 4 OF 4

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

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED, X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cr ppm
0	2.0	2.0	Weath. cl.gn to khaki dunite, Fe stained tr mgt/chr. (40)	724126	<2	25	8	9	9	6	4	1400	640
2.0	3.0	1.0	As above. tr mgt/chr (30)										
3.0	4.0	1.0	As above. tr mgt/chr. (50)										
4.0	5.0	1.0	As above cf. lbn. mouth. (80)	724127	2	19	10	8	5	6	6	1470	440
5.0	6.0	1.0	As above. (100)										
6.0	7.0	1.0	As above. (100)										
7.0	8.0	1.0	As above. (100)	724128	<2	19	8	5	5	6	3	1380	410
8.0	9.0	1.0	As above but mostly fresh. tr mgt/chr (100)										
9.0	10.0	1.0	Fresh gnn-grey dunite f. gr; tr mgt/chr (100)										
10.0	11.0	1.0	As above. (100)	724129	<2	17	7	9	4	7	4	1420	590
11.0	12.0	1.0	As above. tr mgt/chr. (100)										
12.0	13.0	1.0	As above but with 5% clay. (60)										
13.0	14.0	1.0	As above. minor vein carbonate (90)	724130	<2	20	11	11	4	5	4	1340	600
14.0	15.0	1.0	As above. tr mgt/chr. (100)										
15.0	16.0	1.0	As above. v. rare pyrite. (100)										
16.0	17.0	1.0	As above. tr mgt, chr (100)	724131	<2	15	5	8	6	7	4	1200	870
17.0	18.0	1.0	As above minor clay. from infill. (100)										
18.0	19.0	1.0	As above. No clay. 2% carbonate. (100)										
19.0	20.0	1.0	Blue-grey serpentinite 70%; cl.gn. dunite 30% tr ank, mgt, chr. (100)	724132	2	16	11	8	6	7	2	1300	1180
20.0	21.0	1.0	Blue-grey soap 95%, cl.gn. dunite 5% tr mgt/chr ank (100)										
21.0	22.0	1.0	Soap 70% dunite 30% tr mgt. (100)										
22.0	23.0	1.0	Soap alt. dunite 90%; soap 10% tr ank, mgt/chr. (70)	724133	6	8	6	8	5	9	6	1020	1300
23.0	24.0	1.0	As above. minor ank. (80)										
24.0	25.0	1.0	As above. Large fresh fragments. (40)										
25.0	26.0	1.0	Soap alt dunite 60% Soap 40% tr mgt/chr. (100)										
			(Soap alteration in veinlets) (100)	724134	4	13	8	11	5	6	4	1240	840
26.0	27.0	1.0	Soap alt dunite 95% 5% dunite tr mgt. (100)										
27.0	28.0	1.0	As above. (100)	724135									

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: D. SIMPSON | MACHINE: KDC 601 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 220 | MAG AGRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: / /

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: BRASSEY

LINE No: E-E' | LOCATION ON LINE OR HOLE NUMBER: BRP 9 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

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FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	N. ppm	Cu
28.0	29.0	1.0	Serpent. dunite 95% dunite 50%	(90)	724135	4	12	3	3	4	3	2	1200	810
29.0	30.0	1.0	As above.	(90)										
30.0	31.0	1.0	Coarse gr dunite 95%; 5% serp tr mgt.	(90)										
31.0	32.0	1.0	As above.	(90)	724136	4	20	9	7	5	6	2	1180	810
32.0	33.0	1.0	As above. tr mgt.	(90)										
33.0	34.0	1.0	As above. tr amph, mgt.	(80)										
34.0	35.0	1.0	As above. tr mgt, cob	(80)	724137	4	19	6	8	4	5	<2	1260	1200
35.0	36.0	1.0	Dunite 90% Serp 10% tr vein calcite tr mgt	(50)										
36.0	37.0	1.0	As above.	(50)										
37.0	38.0	1.0	As above	(50)	724138	2	10	6	5	4	5	4	1240	730
38.0	39.0	1.0	As above but 5% serp, tr mgt.	(10)										
39.0	40.0	1.0	As above.	(10)										
40.0	41.0	1.0	As above tr numer serp tr mgt.	(30)	724139	2	15	8	5	3	5	<2	1240	880
41.0	42.0	1.0	As above. tr vein calcite	(30)										
42.0	43.0	1.0	As above	(40)										
43.0	44.0	1.0	As above.	(30)	724140	4	15	4	5	4	5	4	1340	790
44.0	45.0	1.0	As above tr mgt.	(30)										
			45m = End of Hole.											

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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: ERP9 LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES: CHEMIST: DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

[redacted] SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL [redacted] THIS FORM ONLY FOR S[redacted]LES [redacted] TO M[redacted] LAB[redacted] DRY [redacted]

FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au (ppb)	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cu PPM
0	2.0	2.0	w.th. ol. gn to brown dunite FR chromite to myt / chr.	(20)	724141	8	17	9	3	4	6	2	1380	450
2.0	3.0	1.0	As above.	(40)										
3.0	4.0	1.0	As above. - less weathered	(60)										
4.0	5.0	1.0	As above.	(60)	724142	<2	22	6	8	6	6	4	1320	460
5.0	6.0	1.0	As above, tr serpentining tr myt.	(100)										
6.0	7.0	1.0	As above. tr myt.	(100)										
7.0	8.0	1.0	As above minor myt.	(100)	724143	4	24	3	4	3	5	4	1240	490
8.0	9.0	1.0	As above. tr myt	(100)										
9.0	10.0	1.0	As above tr serp veining.	(100)										
10.0	11.0	1.0	As above.	(100)	724144	12	31	0	32	11	2	16	1200	500
11.0	12.0	1.0	As above. minor serp. tr ank. tr myt.	(100)										
12.0	13.0	1.0	Fresh fg gr. ol. gn. dunite with minor serp. tr myt.	(100)										
13.0	14.0	1.0	As above. tr ank / myt.	(100)	724145	<2	13	5	4	0	3	<2	1240	550
14.0	15.0	1.0	Fresh. ol. gn dunite with minor myt.	(100)										
15.0	16.0	1.0	As above. minor myt.	(100)										
16.0	17.0	1.0	As above. tr ank, tr myt.	(100)										
17.0	18.0	1.0	Serpentinite 98%; dunite 2% minor ank, tr myt.	(100)	724146	4	15	7	4	4	5	4	1200	700
18.0	19.0	1.0	Serpentinite 100%. tr myt.	(100)										
19.0	20.0	1.0	Dunite ol. gn to grey partly serp. tr myt	(100)	724147	2	8	6	6	5	6	2	1220	750
20.0	21.0	1.0	Greenish grey dunite tr ank. tr myt	(100)										
21.0	22.0	1.0	Dunite as above.	(100)										
22.0	23.0	1.0	Dunite 90% serp 10% tr myt.	(100)	724150	4	26	4	8	5	5	2	1340	1220
23.0	24.0	1.0	As above. tr ank, myt	(100)										
24.0	25.0	1.0	As above	(100)										
25.0	26.0	1.0	As above. (Broken ground)	(100)	724151	<2	15	6	8	3	3	<2	1320	1060
26.0	27.0	1.0	As above. minor ank	(100)										
27.0	28.0	1.0	As above. minor clay. tr myt / chr/ank.	(70)	724152									

CHECK SAMPLE

LAB NOTES: CHEMIST:

DATE: / /

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: P. SIMPSON | MACHINE: ROC 601 | INCLINATION AT COLLAR: -45 | BEARING AT COLLAR: 042 MAG./GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: / /

PROSPECT OR PROJECT: HERZLEWOOD | AREA OR GRID NAME: BARKLEY

LINE No: E-E' | LOCATION ON LINE OR HOLE NUMBER: BRP 10 | LOG PAGE 1 OF 2

LOG & ANALYTICAL REPORT Sheet No. of A/O

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FIELD ENTRY

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cu ppm
1	28.0	29.0	1.0	As above. 5% ank. tr mgt.	(80)	724152	<2	18	12	11	4	5	<2	1240	1180
2	29.0	30.0	1.0	Dunite 50% Serp. 50%. tr ank, minor mgt.	(40)										
3	30.0	31.0	1.0	Serp. 70% dunite 28% ank 2% tr mgt.	(100)	724153	2	20	11	11	3	4	4	1340	1600
4	31.0	32.0	1.0	As above.	(100)										
5	32.0	33.0	1.0	Dunite 90% Serp. 5%. clay 2%. tr mgt.	(50)										
6	33.0	34.0	1.0	As above. tr mgt.	(50)										
7	34.0	35.0	1.0	Dunite 95% Serp. 5%. tr clay. mgt.	(100)	724154	2	5	8	3	1	3	4	1460	1520
8	35.0	36.0	1.0	Dunite 95% Serp 2% ank. 3%. tr mgt.	(100)										
9	36.0	37.0	1.0	Dunite 100% tr mgt, tr clay.	(100)										
10	37.0	38.0	1.0	Dunite 95% Serp 4% 1% ank	(100)	724155	2	9	5	7	5	6	<2	1400	1140
11	38.0	39.0	1.0	As above.	(30)										
12	39.0	40.0	1.0	No sample	(0)										
13	40.0	41.0	1.0	No sample	(0)										
14	41.0	42.0	1.0	No sample	(0)										
15	42.0	43.0	1.0	No sample	(0)										
16	43.0	44.0	1.0	No sample. Hole flushings only	(5)	724157	4	9	8	6	5	6	4	1640	1620
17	44.0	45.0	1.0	No sample. " " "	(5)										
18	45.0	46.0	1.0	Serpentinite 60% dunite 35% 5% ank	(20)										
19	46.0	47.0	1.0	Dunite 95%. Serp 5%. tr. van calcite.	(60)	724158	4	7	6	11	4	5	2	1360	1240
20	47.0	48.0	1.0	As above tr ankerite mgt.	(40)										
21	48.0	49.0	1.0	Dunite 100% minor mgt.	(80)										
22	49.0	50.0	1.0	Dunite 90% Serp 5% clay 5% minor mgt.	(80)	724159	<2	9	4	4	4	4	<2	1260	1220
23	50.0	51.0	1.0	As above	(100)										
24	51.0	52.0	1.0	Dunite 100%. tr mgt.	(100)										
25	52.0	53.0	1.0	Dunite 100% minor mgt.	(100)	724160	2	8	6	13	4	5	2	1680	1840
26	53.0	54.0	1.0	Dunite 98% clay 2% tr ank, mgt.	(100)										
27	54.0	55.0	1.0	Dunite 98% Serp 2% clay 2% tr ank. / mgt	(100)	724161	<2	5	4	15	3	5	4	1700	1320
28															
29				55m = End of Hole.											
30															

CHECK SAMPLE

MAP, AIR PHOTO OR DRAWING No.

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

SAMPLE TYPE: FIELD ENTRY BY: DATE: / /

LAB. NOTES: CHEMIST: DATE: / /

PROSPECT OR PROJECT: AREA OR GRID NAME:

LINE No: LOCATION ON LINE OR HOLE NUMBER: BRP 10 LOG PAGE 2 OF 2

LOG & ANALYTICAL REPORT Sheet No. of A/O

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FIELD ENTRY

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY	SAMPLE NUMBER	Au ppb	Pt ppb	Pd ppb	Ru ppb	Rh ppb	Ir ppb	Os ppb	Ni ppm	Cu ppm
1	0	2.0	1.0	Fresh ol. gn. f.gr. dunite tr chr.	(20)										
2	2.0	3.0	1.0	As above. tr chr.	(30)	724162	4	18	6	11	3	4	4	1660	910
3	3.0	4.0	1.0	As above. tr serp, chr, & calc.	(40)										
4	4.0	5.0	1.0	Partly serp dunite tr chr.	(50)	724163	4	17	8	7	3	5	<2	1640	950
5	5.0	6.0	1.0	" " greyish dunite tr chr.	(100)										
6	6.0	7.0	1.0	As above.	(70)										
7	7.0	8.0	1.0	Ol. gn. f.gr partly serp. dunite tr chr.	(80)	724164	4	7	6	8	4	5	<2	1720	990
8	8.0	9.0	1.0	As above tr clay.	(80)										
9	9.0	10.0	1.0	As above. tr clay.	(80)										
10	10.0	11.0	1.0	As above. minor clay.	(70)	724165	4	13	6	6	4	5	<2	1700	1700
11	11.0	12.0	1.0	As above with some clay.	(60)										
12	12.0	13.0	1.0	As above tr chr, minor clay tr serp.	(80)										
13	13.0	14.0	1.0	As above.	(50)	724166	<2	10	4	8	3	5	2	1620	1280
14	14.0	15.0	1.0	As above. tr chr.	(90)										
15	15.0	16.0	1.0	As above. tr vein calcite	(50)										
16	16.0	17.0	1.0	As above. tr vein calcite tr chr.	(80)	724167	2	8	6	7	2	4	<2	1580	1160
17	17.0	18.0	1.0.	As above. Ol. gn dunite minor serp tr chr.	(90)										
18	18.0	19.0	1.0	As above.	(90)										
19	19.0	20.0	1.0	Dunite 70% leucogabbro 30% tr chr.	(80)	724168	4	12	5	5	4	5	<2	1540	1120
20	20.0	21.0	1.0.	As above.	(80)										
21	21.0	22.0	1.0.	Dunite 60% lt. gn. serp 30% leucogabbro 10% tr chr.	(90)										
22	22.0	23.0	1.0	Dunite 60% Serp dunite 40%.	(90)	724169	3	9	9	8	3	5	<2	1040	890
23	23.0	24.0	1.0	Dunite 50% lt gn. serp dunite 50% tr chr.	(90)										
24	24.0	25.0	1.0	Dunite green-grey + f.gr. 80%, lt gn serp dunite 20%.	(90)										
25	25.0	26.0	1.0	Dunite 95% Serp 5% r. rare chr	(90)	724170	<2	14	9	10	3	5	<2	1600	1020
26	26.0	27.0	1.0	As above.	(90)										
27															
28															
29															
30															

CHECK SAMPLE

LAB. NOTES:

CHEMIST:

DATE: / /

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: D. SIMPSON | MACHINE: ROC 601 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 220 | MAG./GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 7/15/88

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: BRIGGEY

LINE No: E-E' | LOCATION ON LINE OR HOLE NUMBER: BRP 11 | LOG PAGE 1 OF 2

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

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FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY	SAMPLE NUMBER	Au ppb	Pt ppb	Pd ppb	Ru ppb	Rh ppb	Ir ppb	Os ppb	Ni ppm	Cu ppm
27.0	28.0	1.0	As above. tr clr, calc	(90)										
28.0	29.0	1.0	As above. tr clr.	(90)	724171	2	6	6	10	2	4	<2	1720	1200
29.0	30.0	1.0	As above. tr clr/ vein calcite.	(80)										
30.0	31.0	1.0	Greenish grey f.gr. massive dunite tr clr.	(80)										
31.0	32.0	1.0	Dunite 98%. f/ale gn. serp. 10% v. rare clr.	(80)	724172	2	10	4	6	3	6	<2	1040	1240
32.0	33.0	1.0	Dunite 95% f/ale gn. Serp. 5% v. rare clr.	(90)										
33.0	34.0	1.0	As above.	(100)										
34.0	35.0	1.0	As above.	(100)	724173	4	10	5	12	3	4	<2	1580	1480
35.0	36.0	1.0	As above. tr clr.	(100)										
36.0	37.0	1.0	As above. tr clr, 1 vein calcite.	(100)										
37.0	38.0	1.0	Dunite 90%. Serp. 10% tr. v. calcite tr clr	(100)	724174	<2	18	5	6	3	4	<2	1640	1560
38.0	39.0	1.0	Dunite 95%. Serp 2% tr clr.	(100)										
39.0	40.0	1.0	As above. tr clr.	(100)										
40.0	41.0	1.0	As above.	(100)	724175	2	28	9	8	3	4	<2	1600	1540
41.0	42.0	1.0	Greyish green f.gr. massive dunite m+h 2% serp. tr clr.	(100)										
42.0	43.0	1.0	As above. tr. v. calcite. tr clr.	(100)										
43.0	44.0	1.0	As above. tr v. calcite. tr clr.	(100)	724176	2	14	10	18	3	5	4	1540	1220
44.0	45.0	1.0	As above.	(100)										
45.0	46.0	1.0	As above. tr. v. calcite.	(100)										
46.0	47.0	1.0	Greyish green f.gr massive dunite tr clr.	(100)	724177	8	15	14	10	6	5	<2	1620	1020
47.0	48.0	1.0	As above. tr vein calcite.	(100)										
48.0	49.0	1.0	As above. 5% serp. tr vein calcite tr clr.	(90)	724178	4	18	8	9	5	5	2	1520	1120
49.0	50.0	1.0	As above tr serp. clr.	(70)										
			50m = End of hole.											

CHECK SAMPLE

LAB. NOTES:

CHEMIST:

DATE: / /

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: BRP11

LOG PAGE 2 OF 2

LOG & ANALYTICAL REPORT Sheet No. of A/O

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cu ppm
				RESULTS IN P.P.B. UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT											
1	0	2.0	2.0	Ol gn. f.gr. massive dunite tr clr.	(30)	724179	2	21	6	11	4	4	2	1520	840
2	2.0	3.0	1.0	As above. tr serp clr.	(20)										
3	3.0	4.0	1.0	As above. tr clr. / steel.	(50)										
4	4.0	5.0	1.0	As above.	(100)	724180	<2	14	7	10	3	4	4	1460	1000
5	5.0	6.0	1.0	As above	(100)										
6	6.0	7.0	1.0	Dunite 90% Serp 10% Feldspar 40%.											
7				tr clr.	(100)										
8	7.0	8.0	1.0	Dark ol. gn. f.gr. serp. dunite.	(100)	724181	<2	10	10	6	3	5	2	1,120	670
9	8.0	9.0	1.0	As above No feld. tr clr.	(100)										
10	9.0	10.0	1.0	As for 8-9.	(100)										
11	10.0	11.0	1.0	As above. tr serp. tr clr.	(100)	724182	<2	18	8	10	3	6	2	1380	720
12	11.0	12.0	1.0	Serp dunite 30% dunite 70%	(100)										
13	12.0	13.0	1.0	As above. tr carb, clr	(100)										
14	13.0	14.0	1.0	Dunite 50% Serp 50% tr clr.	(100)	724183	<2	37	9	11	3	4	<2	1580	670
15	14.0	15.0	1.0	As above ~~to~~ 1% carb. , tr clr.	(100)										
16	15.0	16.0	1.0	As above. No carb. tr clr.	(100)										
17	16.0	17.0	1.0	As above. Serp alt dunite 70% dunite		724184	<2	29	13	4	4	5	4	1700	580
18				30% tr clr.	(100)										
19	17.0	18.0	1.0	Serp. dunite 80% dunite 20% tr clr.	(100)										
20	18.0	19.0	1.0.	As above. tr clr.	(100)										
21	19.0	20.0	1.0	Serp dunite 70% dunite 30% tr clr.	(100)	724185	<2	12	11	13	3	5	4	1740	660
22	20.0	21.0	1.0	As above.	(100)										
23	21.0	22.0	1.0	Partly serp dunite tr clr.	(100)										
24	22.0	23.0	1.0	Partly clay-altered serp dunite 30%;		724186	<2	13	6	9	4	4	4	1600	460
25				dunite 70% tr carb.	(100)										
26	23.0	24.0	1.0.	As above. tr clr.	(100)										
27	24.0	25.0	1.0	As above. minor clay, tr clr.	(70)										
28	25.0	26.0	1.0	Partly serp dunite 90%; dunite 10% tr clr/steel	(70)	724187	<2	12	5	4	3	6	<2	1540	650
29	26.0	27.0	1.0	As above. tr bon serp.; Fe stained											
30				rock adj to Fault.	(80)										

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D. SIMPSON | MACHINE: ROC 601 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 040 | MAG / GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 2/15/88

PROSPECT OR PROJECT: HERZLEWOOD | AREA OR GRID NAME: BRASSEY

LINE No: E-E' | LOCATION ON LINE OR HOLE NUMBER: BRP 12 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

SAMPLES GOING TO M.E.L. LABORATORY

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FIELD ENTRY

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni ppm	Cr ppm
1	27.0	28.0	1.0	As above. Some fragments to 20 mm.	(100)										
2	28.0	29.0	1.0	Serp. dunite. 60%											
3															
4	29.0	30.0	1.0	Part. serp dunite. 98%. tr serp.		724182	<2	,	4	5	3	3	2	1360	630
5					(100)										
6	30.0	31.0	1.0	Dunite 60% lt. col. rock. 40%	(60)										
7															
8	31.0	32.0	1.0	Anorthosite 90% dunite 10% tr chr.	(90)	724189	40	10	10	4	2	4	2	920	460
9	32.0	33.0	1.0	Dunite 80%. Tremolite 15%. Serp 5% tr chr	(60)										
10	33.0	34.0	1.0	Serp. dunite 80%. dunite 15%. tremolite 5%											
11				tr chr/ steel	(80)										
12	34.0	35.0	1.0	Serp dunite 90% 5% serp. 5% dunite. tr chr.	(90)	724190	<2	11	3	13	3	6	4	1500	760
13	35.0	36.0	1.0	Dunite. 70%. serp. 30% tr chr/ chrom.	(100)										
14	36.0	37.0	1.0	As above. tr chr.	(100)										
15	37.0	38.0	1.0	As above. tr chr.	(100)	724191	<2	15	8	7	2	6	<2	1780	720
16	38.0	39.0	1.0	As above. tr chr, tr vein calcite.	(100)										
17	39.0	40.0	1.0	As above. tr chr.	(90)										
18	40.0	41.0	1.0	Dk gn / gn dunite 70% lt gn. serp. 30%											
19				tr chr	(90)	724192	<2	11	5	6	2	6	4	1440	630
20	41.0	42.0	1.0	Dk gn dunite 50% lt gn serp 30%											
21				feldspar 20%. tr chr.	(90)										
22	42.0	43.0	1.0	Dunite 95% Serp 2%; 3% feld tr chr.	(90)										
23	43.0	44.0	1.0	As above.	(90)	724193	<2	23	10	3	2	4	2	1640	670
24	44.0	45.0	1.0	Dunite 80%. Pale gn. tr chr.	(90)										
25	45.0	46.0	1.0	Dunite 60%. Anorthosite 35% Serp. 5% tr chr.	(90)										
26	46.0	47.0	1.0	Dunite 95%. 2% anorthosite. 3% serp alt dunite tr chr.	(60)	724194	<2	13	5	9	3	4	4	1480	500
27	47.0	48.0	1.0	As above tr carb, chr rare.	(80)										
28	48.0	49.0	1.0	As above. minor chr. tr steel.	(90)	724195	4	8	8	17	3	5	2	1440	400
29	49.0	50.0	1.0	As above. tr chr. rare steel.	(70)										
30				50m = End of hole.											

CHECK SAMPLE

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: MACHINE: INCLINATION AT COLLAR: BEARING AT COLLAR: MAG / GRID

SAMPLE TYPE: FIELD ENTRY BY: DATE: / /

LAB. NOTES: CHEMIST: DATE: / /

PROSPECT OR PROJECT: AREA OR GRID NAME:

LINE No: LOCATION ON LINE OR HOLE NUMBER: BRP 12 LOG PAGE 2 OF 2

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

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FIELD ENTRY

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV GEOL DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu
	0	2.0	2.0	Partly weath to fresh, co.gr. leucogabbro. tr chlor	(90)										
	2.0	3.0		Fresh dunite 90% gabbro 10% gr. xenoclr.	(30)	724196	<2	4	14	4	2	4	<2	.03	.04
	3.0	4.0	1.0	Dunite 80%, dolerite 10% leucogabbro 10% tr clr.	(20)									.12	.05
	4.0	5.0	1.0	Dunite 90% Serp dunite 10%	(100)	724197	<2	4	5	6	2	3	<2		
	5.0	6.0	1.0	As above. tr clr	(100)										
	6.0	7.0	1.0	As above tr clr.	(100)										
	7.0	8.0	1.0	As above. tr clr.	(100)	724198	<2	2	3	7	2	3	<2	.15	.03
	8.0	9.0	1.0	As above.	(100)										
	9.0	10.0	1.0	As above. tr clr	(100)										
	10.0	11.0	1.0	As above. "	(100)	724199	<2	3	4	6	3	4	<2	.15	.05
	11.0	12.0	1.0	As above. tr gryo dunite	(90)										
	12.0	13.0	1.0	As above.	(30)										
	13.0	14.0	1.0	As above strong dark clr.	(90)	724200	<2	2	3	8	3	4	<2	.18	.05
	14.0	15.0	1.0	As above.	(100)										
	15.0	16.0	1.0	As above - strong tan clr; some clay	(100)										
	16.0	17.0	1.0	Dunite 60% troctolite 30% gabbro 10% tr clr	(30)	724201	<2	2	8	6	2	4	<2	.13	.04
	17.0	18.0	1.0	Dunite 70% Gabbro 30% tr clr	(90)										
	18.0	19.0	1.0	Dunite 95% gabbro 5% tr clr.	(80)										
	19.0	20.0	1.0	Dunite dk.gn f.gr. as above. tr gabbro	(100)	724202	<2	2	3	11	3	5	2	.16	.05
	20.0	21.0	1.0	As above. chunk contains 1-2% felds/px tr clr	(100)										
	21.0	22.0	1.0	As above.	(90)										
	22.0	23.0	1.0	Dunite 90% Serp 10% tr clr.	(90)	724203	<2	2	3	8	2	4	<2	.16	.05
	23.0	24.0	1.0	Dunite 100% some minor felds/px tr clr	(100)										
	24.0	25.0	1.0	Dunite as above tr clr.	(100)										
	25.0	26.0	1.0	Dunite as above 95% 5% serp. tr clr	(100)	724204	<2	2	5	7	2	4	<2	.17	.06
	26.0	27.0	1.0	Dunite 60% gabbro 30% Serp 10% tr clr.	(100)										
	27.0	28.0	1.0	Dunite 90% Serp 10% Some Fe stains on some frags. tr clr.	(100)	724205	<2	2	4	9	2	4	2	.19	.04
	28.0	29.0	1.0	Dunite as 2% felds/px Serp 10% tr clr.	(100)										

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D. SIMPSON | MACHINE: ROC 601 | INCLINATION AT COLLAR: -45 | BEARING AT COLLAR: 305 MAG./GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 22/5/88

PROSPECT OR PROJECT: HERZLEWOOD | AREA OR GRID NAME: BRASSEY

LINE No: A-A' | LOCATION ON LINE OR HOLE NUMBER: BRP 13 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

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FIELD ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	P	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
29.0	30.0	1.0	As above. tr clay.	(100)	724205									
30.0	31.0	1.0	As above. tr clay.	(100)										
31.0	32.0	1.0	Diorite 99%. Serp 1%. tr clay	(100)	724206	<2	2	7	6	3	6	4	.17	.04
32.0	33.0	1.0	Diorite 90% Serp 5%	(100)										
33.0	34.0	1.0	Diorite 95% gabbro 5%. tr clay.	(100)										
34.0	35.0	1.0	Diorite 98% serp 2%. v. rare clay.	(100)	724207	<2	3	5	8	2	4	<2	.15	.06
35.0	36.0	1.0	Diorite 98%. Serp 2%. occ veinlets tr clay	(100)										
			Hole abandoned at 36m											

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: A-A' LOCATION ON LINE OR HOLE NUMBER: BRP13 LOG PAGE 2 OF 2

CHECK SAMPLE

LAB NOTES: CHEMIST: DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

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SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY / LAB ENTRY

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN ppb UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
	0	2.0	2.0	Clay plus friably oxidised gossan over theorite to clay	(5)										
	2.0	3.0	1.0	As above with minor gabbro, ? to dolerite	(10)	724209	<2	3	6	6	1	3	<2	.07	.07
	3.0	4.0	1.0	Pyroxenite 60%; gabbro 40% to clay	(20)										
	4.0	5.0	1.0	Pyroxenite 70%; gabbro 30%	(40)	724209	<2	3	12	3	2	4	<2	.04	.03
	5.0	6.0	1.0	Pyroxenite 60% gabbro 40% no talc.	(80)										
	6.0	7.0	1.0	Sample lost - faulty bag	—										
	7.0	8.0	1.0	Pyroxenite 100% to clay	(100)	724210	<2	4	4	5	2	3	<2	.12	.05
	8.0	9.0	1.0	Pyroxenite 50% dunite 50% to clay	(100)										
	9.0	10.0	1.0	Dunite 99% gabbro 1% to clay	(50)										
	10.0	11.0	1.0	Dunite 100% to soap & clay	(70)	724211	<2	4	3	6	2	3	<2	.11	.05
	11.0	12.0	1.0	Dunite 100% to clay & steel	(90)										
	12.0	13.0	1.0	As above	(90)										
	13.0	14.0	1.0	As above minor clay	(90)	724212	<2	6	4	5	2	3	<2	.12	.05
	14.0	15.0	1.0	As above to clay	(100)										
	15.0	16.0	1.0	Dunite 95% clay 5% to clay	(70)										
	16.0	17.0	1.0	Dunite 100% to clay	(100)	724213	<2	13	5	8	2	4	2	.11	.07
	17.0	18.0	1.0	As above to clay	(100)										
	18.0	19.0	1.0	As above to clay	(100)										
	19.0	20.0	1.0	Dunite 90%; 5% clay; 3% fractable; 2% soap to clay	(100)	724214	<2	7	4	7	2	3	<2	.11	.10
	20.0	21.0	1.0	Dunite 99%; fractable 1% to clay	(100)										
	21.0	22.0	1.0	As above to clay	(90)										
	22.0	23.0	1.0	As above some clay to clay	(90)	724215	<2	7	5	5	2	3	<2	.12	.10
	23.0	24.0	1.0	As above to clay	(90)										
	24.0	25.0	1.0	As above to clay	(90)										
	25.0	26.0	1.0	As above to clay	(70)	724216	<2	7	7	6	2	3	<2	.13	.09
	26.0	27.0	1.0	As above to clay	(70)										
	27.0	28.0	1.0	As above strong clay tail	(80)										
	28.0	29.0	1.0	As above to clay	(80)	724217	<2	8	4	6	2	3	<2	.15	.08
	29.0	30.0	1.0	As above to clay	(60)										

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D SIMPSON | MACHINE: ROC 601 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 125 | MAG / GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 24/01/88

[redacted] PROSPECT OR: [redacted] | AREA OR: [redacted]

CHECK SAMPLE

LAB NOTES: | CHEMIST: | DATE: / /

[redacted] SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING [redacted] L.E.L. [redacted] RAT [redacted]

FIELD ENTRY 89 LAB ENTRY

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY	SAMPLE NUMBER	Au	Al	Ag	Ru	Rh	Ir	Os	N. %	Cr %
	30.0	31.0	1.0	As above. tr clin.	(90)										
	31.0	32.0	1.0	Similar to above. Limit no brecciation. tr clin.	(70)	724218	<2	7	4	5	2	4	<2	.16	.09
	32.0	33.0	1.0	As above tr brecciation. tr clin	(80)										
	33.0	34.0	1.0	As above. tr feld in chromite. tr clin.	(80)										
	34.0	35.0	1.0	Dunite 100% tr clin	(80)	724219	<2	7	2	6	2	3	<2	.15	.05
	35.0	36.0	1.0	Dunite 100% tr clin.	(80)										
	36.0	37.0	1.0	As above. tr clin.	(90)										
	37.0	38.0	1.0	Dunite 98% brecciated 2%. tr clin.	(80)	724220	<2	6	6	4	2	4	<2	.14	.06
	38.0	39.0	1.0	As above. tr clin.	(90)										
	39.0	40.0	1.0	As above. tr clin.	(80)										
	40.0	41.0	1.0	Dunite 100% tr feldspar = chromite, tr clin	(80)	724221	<2	4	3	6	2	4	<2	.15	.09
	41.0	42.0	1.0	Dunite 100% tr feldspar. tr clin.	(80)										
	42.0	43.0	1.0	As above. tr clin.	(80)										
	43.0	44.0	1.0	Dunite tr feldspar. tr clin.	(80)	724222	<2	5	4	4	2	4	<2	.16	.09
	44.0	45.0	1.0	As above. tr clin.	(80)										
	45.0	46.0	1.0	As above.	(80)										
	46.0	47.0	1.0	As above.	(80)	724223	4	6	5	6	3	4	2	.15	.08
	47.0	48.0	1.0	As above. tr clin.	(80)										
	48.0	49.0	1.0	As above.	(80)	724224	<2	6	4	5	2	4	<2	.14	.07
	49.0	50.0	1.0	As above	(80)										
				50m = End of Hole.											

RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT

TUBE No.

MAP, AIR PHOTO OR DRAWING No.

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

SAMPLE TYPE: FIELD ENTRY BY: DATE: / /

CHECK SAMPLE

LAB NOTES: CHEMIST: DATE: / /

PROSPECT OR PROJECT: HERZLEWOOD AREA OR GRID NAME:

LINE No: LOCATION ON LINE OR HOLE NUMBER: BRP 14 LOG PAGE 2 OF 2

LOG & ANALYTICAL REPORT Sheet No. of A/O

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FIELD ENTRY LA. ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, x = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
0	2.0	2.0	DK. gn. f. gr dunite 95% ; serp 5% tr chr (mlt.) (40)										
2.0	3.0	1.0	As above. Sl. weathered. (60)	724225	<2	9	5	5	2	3	<2	.14	.07
3.0	4.0	1.0	As above. (80)										
4.0	5.0	1.0	As above. tr chr. (100)	724226	<2	8	5	6	2	4	<2	.14	.05
5.0	6.0	1.0	As above. " (100)										
6.0	7.0	1.0	As above. " (100)										
7.0	8.0	1.0	As above " (100)	724227	<2	7	5	4	2	3	<2	.16	.08
8.0	9.0	1.0	As above. " (100)										
9.0	10.0	1.0	As above. " (100)										
10.0	11.0	1.0	Wk. grey to black f. gr. Pyroxenite 80% dunite 20%. tr chr (100)	724228	<2	8	6	7	2	3	<2	.13	.11
11.0	12.0	1.0	As above. (100)										
12.0	13.0	1.0	Pyroxenite 50% dunite 50% (60)										
13.0	14.0	1.0	Pyroxenite 70% dunite 30% tr chr. (100)	724229	<2	9	4	8	2	3	<2	.14	.05
14.0	15.0	1.0	Pyroxenite 20% dunite 60% tremolite 20% tr chr. (100)										
15.0	16.0	1.0	Dunite 80% tremolite 20% tr chr. (80)										
16.0	17.0	1.0	As above tr serp. 1 chr (60)	724230	<2	9	5	7	0	3	<2	.15	.07
17.0	18.0	1.0	Dunite 80% tremolite 20% tr chr (80)										
18.0	19.0	1.0	Dunite 90% tremolite 10% tr chr (80)										
19.0	20.0	1.0	Dunite 95% tremolite 5% tr chr. (80)	724231	<2	25	5	7	2	5	2	.15	.05
20.0	21.0	1.0	Dunite 99% serp 1% tr chr. (70)										
21.0	22.0	1.0	Dunite 98% serp 2% tr chr, steel (70)										
22.0	23.0	1.0	Dunite 80% tremolite 20% tr chr (70)	724232	<2	15	5	8	2	3	<2	.15	.08
23.0	24.0	1.0	Dunite 70% tremolite 10% py. crystals 20% tr chr. (80)										
24.0	25.0	1.0	Dunite 95% ; tremolite 5% tr chr (80)										
25.0	26.0	1.0	Dunite 98% serp 2% tr chr. (80)	724233	<2	11	4	5	2	3	<2	.13	.08
26.0	27.0	1.0	Dunite 99% 1% serp. tr chr. (80)										
27.0	28.0	1.0	As above. tr chr. (80)	724234									

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D. SIMPSON | MACHINE: ROC 601 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 300 | MAG./GRID:

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 25/5/88

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: BRASSEY

LINE No: A-A' | LOCATION ON LINE OR HOLE NUMBER: BRP 15 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES FROM [redacted] M.E.L. [redacted] FOR [redacted]

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FIELD ENTRY

LAB ENTRY

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV GEOL DESCRIPTION	ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
1	28.0	29.0	1.0	As above.	tr clay	724234	<2	9	6	7	2	5	10	.13	.08
2	29.0	30.0	1.0	Diorite 40%, lt grey soap diorite 60% tr clay											
3	30.0	31.0	1.0	Diorite 90% fractolite 10% tr clay & chl.	(40)										
4	31.0	32.0	1.0	Diorite 60% fractolite 40% tr clay.	(60)	724235	<2	10	5	5	2	3	<2	11	.05
5	32.0	33.0	1.0	Fractolite 70% diorite 30% tr clay	(90)										
6	33.0	34.0	1.0	Diorite 90% fractolite 10% tr clay	(60)										
7	34.0	35.0	1.0	Diorite 95% soap 2% tr clay.	(60)	724236	3	16	6	10	4	4	5	.11	.03
8	35.0	36.0	1.0	Diorite 98% fractolite 2% tr clay	(90)										
9	36.0	37.0	1.0	Diorite 99% fractolite 1% tr clay	(90)										
10	37.0	38.0	1.0	As above.	(90)	724237	<2	7	4	10	3	3	4	.13	.05
11	38.0	39.0	1.0	Diorite 99% soap 1% tr clay.	(90)										
12	39.0	40.0	1.0	Diorite 95% soap 2% tr clay.	(10)										
13	40.0	41.0	1.0	Diorite 95% Soap 5% tr clay, clay	(70)	724238	<2	7	6	11	6	7	8	.10	.06
14	41.0	42.0	1.0	Diorite 80% Soap 20% tr clay.	(80)										
15	42.0	43.0	1.0	Diorite 100% tr clay & clay.	(80)										
16	43.0	44.0	1.0	Diorite 99% 1% soap tr clay.	(20)	724239	<2	5	5	13	4	5	6	.19	.06
17	44.0	45.0	1.0	Diorite 99% fractolite 1% tr clay	(40)										
18	45.0	46.0	1.0	As above some clay	(50)										
19	46.0	47.0	1.0	As above. tr clay.	(60)	724240	<2	7	6	11	6	8	6	.17	.06
20	47.0	48.0	1.0	Diorite 99% fractolite 1% tr clay.	(60)										
21	48.0	49.0	1.0	Diorite 99%; 0.5% fractolite; 0.5% soap tr clay.	(100)	724241	4	6	12	11	5	6	4	.17	.06
22	49.0	50.0	1.0	As above. tr clay.	(50)										
				50m = End of hole.											

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: HEAZLEWOOD | AREA OR GRID NAME

LINE No | LOCATION ON LINE OR HOLE NUMBER: BRP 15 | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB NOTES | CHEMIST | DATE / /

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

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FIELD ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au ppb	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
0	2.0	2.0	Partly weathered dunite 95%; soap 5% & tracholite tr clr. (20)	724242	<2	8	5	8	2	4	2	.15	.05
2.0	3.0	1.0	As above. tr tracholite tr clr. (40)										
3.0	4.0	1.0	Dunite 95%; 2% tracholite tr clr (60)										
4.0	5.0	1.0	As above. (70)	724243	<2	11	4	7	2	4	<2	.16	.04
5.0	6.0	1.0	As above tr soap dunite (100)										
6.0	7.0	1.0	As above. (100)										
7.0	8.0	1.0	Dunite 100% tr clr (100)	724244	<2	8	4	8	2	3	<2	.18	.05
8.0	9.0	1.0	" " " (100)										
9.0	10.0	1.0	Dunite 70% tracholite 30% No tail. (100)										
10.0	11.0	1.0	Pale green garnetbearing anorthosite No tail (100)	724245	<2	4	7	3	2	3	<2	.05	.05
11.0	12.0	1.0	As above. No tail (100)										
12.0	13.0	1.0	As above. " (100)										
13.0	14.0	1.0	As above. V. hard drilling (100)	724246	<2	5	5	4	2	3	<2	.06	.05
14.0	15.0	1.0	As above. tr clr. (100)										
15.0	16.0	1.0	Dunite 70% Garnet anorthosite 30% tr clr. (100)										
16.0	17.0	1.0	Pk. gn. f. gr. dunite tr anorthosite tr clr / frad. (100)										
17.0	18.0	1.0	Dunite 95% tracholite 5% (Pink soap) tr clr (100)	724247	<2	10	8	6	2	4	<2	.14	.05
18.0	19.0	1.0	Dunite 85% tracholite 15% tr clr. (100)										
19.0	20.0	1.0	Dunite 80% tracholite 20% tr clr. (100)	724248	<2	5	5	6	2	3	<2	.12	.03
20.0	21.0	1.0	Dunite with about 5% feld. tr clr. (100)										
21.0	22.0	1.0	Dunite and 5% feld.; 2% tracholite tr clr. (30)										
22.0	23.0	1.0	Dunite 100% trending to tracholite (70)	724249	<2	6	6	5	2	3	<2	.13	.05
23.0	24.0	1.0	As above. (30)										
24.0	25.0	1.0	As above - Some oxidation (80)										
25.0	26.0	1.0	As above. tr clr. (90)	724250	<2	8	4	8	2	3	<2	.14	.09
26.0	27.0	1.0	Dunite 70% Garnet anorthosite 20% tracholite 10% tr clr. (80)										

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D. SIMPSON | MACHINE: ROC 601 | INCLINATION AT COLLAR: -46° | BEARING AT COLLAR: 120 MAG / GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 26/5/88

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: BRADLEY

LINE No: A-A' | LOCATION ON LINE OR HOLE NUMBER: BRP 16 | LOG PAGE 1 OF 3

CHECK SAMPLE

LAB NOTES: | CHEMIST: | DATE: / /

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

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FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL DESCRIPTION	ASSAY SUMMARY	SAMPLE NUMBER	Au ppb	Pt ppb	Pd ppb	Ru ppb	Rh ppb	Ir ppb	Os ppb	Ni %	Cr %
27.0	28.0	1.0	Dunite 90% bastolite 10% tr chr.	(90)										
28.0	29.0	1.0	Dunite 85% Hornblendite 15% tr serp. tr chr.	(90)	724251	<2	6	4	8	2	3	<2	.12	.04
29.0	30.0	1.0	Dunite 90% Hornblendite 10% tr chr.	(80)										
30.0	31.0	1.0	Dunite 95% Hornblendite 5% tr chr.	(70)										
31.0	32.0	1.0	Dunite 98% bastolite 2% , tr chr.	(90)	724252	<2	5	5	4	2	3	<2	.14	.06
32.0	33.0	1.0	Dunite 80% Hornblendite 20% tr chr.	(60)										
33.0	34.0	1.0	Dunite 90% serp dunite 10% tr chr.	(100)										
34.0	35.0	1.0	Dunite 80% garnet alt anorthosite 20% tr chr	(100)	724253	<2	7	5	6	2	3	<2	.09	.05
35.0	36.0	1.0	Anorthosite 30% , dunite 70% some bastolite bands	(100)										
36.0	37.0	1.0	Dunite pale grn altered 70% , dunite 30% tr chr.	(100)										
37.0	38.0	1.0	Dunite 70% alt dunite 30% tr chr.	(100)	724254	<2	7	5	4	2	3	<2	.09	.07
38.0	39.0	1.0	Dunite 98% , alt dunite 2% tr chr	(70)										
39.0	40.0	1.0	As above. tr serp. tr chr.	(80)										
40.0	41.0	1.0	Dunite f.gr. dk grn. tr serp. tr chr.	(90)	724255	<2	5	7	7	2	4	<2	.13	.07
41.0	42.0	1.0	As above. tr chr.	(80)										
42.0	43.0	1.0	As above. numerous chr.	(80)										
43.0	44.0	1.0	Dunite 100% tr serp / chr / oxid.	(80)	724256	<2	7	5	7	2	3	<2	.14	.12
44.0	45.0	1.0	Dunite 95% , alt dunite 5% tr chr.	(80)										
45.0	46.0	1.0	Dunite 100% tr chr.	(80)										
46.0	47.0	1.0	As above.	(60)	724257	<2	3	4	8	2	4	<2	.15	.07
47.0	48.0	1.0	As above.	(80)										
48.0	49.0	1.0	As above.	(80)										
49.0	50.0	1.0	As above. tr. rem feldspar	(80)	724258	<2	2	2	6	2	4	2	.13	.05
50.0	51.0	1.0	Anorthosite 95% dunite 5% tr chr	(80)										
51.0	52.0	1.0	As above. tr chr.	(70)										
52.0	53.0	1.0	Dunite 100% tr chr.	(80)	724259	<2	3	4	4	2	3	<2	.08	.07
53.0	54.0	1.0	Dunite 90% serp dunite 10% tr chr.	(40)										
54.0	55.0	1.0	Dunite 60% Serp dunite 30% , grey serp 10%	(60)										
55.0	56.0	1.0	Altered dunite pale grey grn tr chr	(100)	724260	<2	3	6	3	2	3	<2	.10	.09
56.0	57.0	1.0	Dunite 50% Serp dunite 30% Anorth. 20% broken	(40)										

RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT

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: BRP16 | LOG PAGE 2 OF 3

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LAB NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

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FIELD ENTRY EN.

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	Au ppb	Pt ppb	Pd ppb	Ru ppb	Rh ppb	Ir ppb	Os ppb	Ni %	Cr %
57.0	58.0	1.0	Diorite 60% seep diorite 40% to clay.	(100)										
58.0	59.0	1.0	Diorite 95% seep diorite 2% to clay.	(100)	724261	<2	2	5	5	2	4	2	.14	.01
59.0	60.0	1.0	Diorite 100% to clay	(70)										
60.0	61.0	1.0	Diorite 100% ± to fld to clay	(90)										
61.0	62.0	1.0	As above to clay.	(90)	724262	<2	2	3	5	2	4	2	.18	.06
62.0	63.0	1.0	As above. minor clay	(80)										
63.0	64.0	1.0	As above to fld + clay.	(90)										
64.0	65.0	1.0	As above with 2% seep to clay.	(90)	724263	<2	2	3	5	3	7	4	.20	.06
65.0	66.0	1.0	As above. to clay, seep	(90)										
			66m = End of hole.											

RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: MACHINE: INCLINATION AT COLLAR: BEARING AT COLLAR: MAG / GRID

SAMPLE TYPE: FIELD ENTRY BY: DATE: / /

CHECK SAMPLE

LAB NOTES: CHEMIST: DATE: / /

PROSPECT OR PROJECT: AREA OR GRID NAME:

LINE No: LOCATION ON LINE OR HOLE NUMBER: BRP 16 LOG PAGE 3 OF 3

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

[redacted] [redacted] [redacted] [

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FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN ppb UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
19.0	20.0	1.0	Peridotite: grey green 5% silicified ankerite 5% chromite rich peridotite xenoliths	724270	<2	5	4	7	3	4	2	.18	.10
20.0	21.0	1.0	Peridotite grey-green, soft, fine grained 4% clay - mgt.										
21.0	22.0	1.0	Peridotite grey-green to apple-green fine to med. grained tr silic. ank.										
22.0	23.0	1.0	Peridotite grey green - apple green fine to med. gr. 1% ank.	724271	<2	3	3	7	3	4	2	.17	.11
23.0	24.0	1.0	Peridotite grey green - apple green f. to med. gr. 2% mgt - clay rich peridotite										
24.0	25.0	1.0	Shear zone clay rich peridotite sheared (25) fract. 3% mgt - clay rich peridotite 35% clay.										
25.0	26.0	1.0	Shear zone Peridotite 3% mgt - clay rich (40) peridotite grey-green, some xenoliths	724272	<2	3	3	7	2	4	<2	.18	.10
26.0	27.0	1.0	Part shear zone, peridotite 2% magnetite (70) clay rich peridotite 10% clay rich xenoliths.										
27.0	28.0	1.0	Peridotite grey-green massive granular - tr silic ank. 3% mgt - clay rich peridotite										
28.0	29.0	1.0	Peridotite grey-green massive granular 4% mgt - clay rich peridotite (fractured) grey gr (90)	724273	<2	3	3	7	3	4	4	.19	.10
29.0	30.0	1.0	Peridotite grey green massive 3% mgt - clay peridotite (90)										
30.0	31.0	1.0	Dyke										
31.0	32.0	1.0	Peridotite grey-green massive 2% mgt - clay rich peridotite sheared (35)	724274	<2	2	3	5	3	7	2	.19	.11
32.0	35.0	3.0	No return.										
35.0	36.0	1.0	Peridotite grey-green massive fractured (33) Nail-like fractures	724275	<2	3	4	7	2	4	2	.16	.09
36.0	37.0	1.0	Peridotite grey-green massive fract. (33) 2% serp peridotite	724276									

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: BRP 17 LOG PAGE 2 OF 3

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LAB. NOTES: CHEMIST:

DATE: / /

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

[redacted] SAMPLE [redacted] INFORMATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	At	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
1	37.0	38.0	1.0	Peridotite grey-green massive, 2% blue-grn serp. peridotite (40)	724276	4	2	5	7	5	5	2	·18	12
2														
3	38.0	39.0	1.0	Peridotite grey green massive med gr. sparsely fract. (45)										
4														
5	39.0	40.0	1.0	Peridotite grey-green massive 3% serp.										
6				peridotite 4% mgt-chr peridotite.	724277	4	4	2	5	2	3	<2	·16	·09
7	40.0	41.0	1.0	Peridotite grey-green massive; 3% serp										
8				dissd; 4% mgt-chr fract. 3% calcite										
9				fracture on chrom = fract.										
10	41.0	42.0	1.0	NiHo.										
11	42.0	43.0	1.0	Peridotite grey-green massive; 3% calcite										
12				massive granular leucogabbro, 3% mgt-chr pegm.										
13	43.0	44.0	1.0	Peridotite grey-green massive; 1% calcite massive	724278	<2	4	5	7	3	4	2	·17	·12
14				granular leucogabbro										
15	44.0	45.0	1.0	Peridotite grey-green massive 1% calcite massive										
16				granular leucogabbro; tr serp.										
17	45.0	46.0	1.0	Peridotite grey-green massive sparsely fractured										
18				tr calcite massive leucogabbro 2% chr-mgt pegm										
19	46.0	47.0	1.0	Peridotite massive green-grey; 3% mgt-rich	724279	<2	3	4	4	3	4	2	·17	·13
20				pegm. tr. leucogabbro.										
21	47.0	48.0	1.0	Peridotite massive, grey-green sparsely fract.										
22				2%										
23	48.0	49.0	1.0	Peridotite massive grey-green sparsely fract.										
24				4% mgt-chr rich pegm.										
25	49.0	50.0	1.0	Peridotite massive grey green sparsely fract.	724280	<2	3	3	5	2	3	<2	·17	·13
26				5% leucogabbro. 3% serp. pegm. 5% clay										
27	50.0	51.0	1.0	Peridotite massive grey-green sparsely fractured										
28				2% leucogabbro. 2% serpentinization										
29	51.0	52.0	1.0	Peridotite massive grey-gn. sparsely fract. 2%	724281	<2	5	5	8	2	4	2	·15	·14
30				leucogabbro. 2% serp. End of Hole										

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: BRP 17 LOG PAGE 3 OF 3

CHECK SAMPLE

LAB. NOTES: CHEMIST:

DATE: / /

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

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FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
0	2.0	2.0	Peridotite massive dark grey green to magnetic clay, minor Fe oxides on joints	724282	<2	3	4	9	3	4	<2	.19	.14
2.0	3.0	1.0	Peridotite massive dark grey-green sheared slickensides, minor silica veining 1% mgt/chr throughout										
3.0	4.0	1.0	Peridotite dark grey green massive; hairline fract. 5% diopside apple-green sheared to mgt-chr on joints										
4.0	5.0	1.0	Peridotite dark grey green massive; hairline fract. 15% antigorite - serpentine sap. fract. & silica infilling fractures to lime-green mineral on fract & joints; sheared.	724283	<2	2	5	13	2	3	2	.18	.21
5.0	6.0	1.0	Intermixed peridotite dark grey-green massive & diopside apple green 60-40 - extensive hairline fractures with silica - lime-green mineral on fract & joints; sheared.										
6.0	7.0	1.0	Ditto to mgt-chr										
7.0	8.0	1.0	Ditto shear zone. to mgt-chr. intermixed zone	724284	<2	2	4	7	2	3	<2	.17	.25
8.0	9.0	1.0	Sheared intermixed zone Peridotite dark-grey grn 30% diopside, slickensides, hairline fract. to mgt-chr.										
9.0	10.0	1.0	Ditto fuchsite on joints										
10.0	11.0	1.0	Sheared intermixed zone; peridotite dark grey green; diopside apple green 55-45 massive clay on joints	724285	<2	7	4	8	2	4	<2	.13	.25
11.0	12.0	1.0	Sheared intermixed zone: peridotite grey green diopside apple green: extensive hairline fract. minor silica on joints 1% mgt-chr										
12.0	13.0	1.0	Sheared intermixed zone; peridotite dark grey diopside apple green; extensive hairline fractures.										
13.0	14.0	1.0	Sheared intermixed zone peridotite dk grey-grn. diopside apple green slickensides; clay rich hairline fractures	724286	<2	2	3	7	2	4	<2	.14	.18
14.0	15.0	1.0	Peridotite dark grey-green, massive 5% diopside apple green										

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: S. CARTHEW 0-23 D. SIMPSON | MACHINE: ROC 601 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 125 MAG./~~GRID~~

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 9/5/85

PROSPECT OR PROJECT: HEARLEWOOD | AREA OR GRID NAME: BRIDGEY

LINE No: 17-17' | LOCATION ON LINE OR HOLE NUMBER: BRP 18 | LOG PAGE 1 OF 3

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LAB. NOTES: | CHEMIST: | DATE: / /

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

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FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN ppb UNLESS OTHERWISE STATED, X = BELOW DETECTION LIMIT Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
15.0	16.0	1.0	Peridotite - dunite 50:50; clay on fractures, dendrites on joints; silicification										
16.0	17.0	1.0	Peridotite dark green-grey massive; silicification olive-green mineral on joints	724287	<2	1	4	8	2	4	<2	.17	.21
17.0	18.0	1.0	Vuggite fine grained apple green; 15% peridotite 3% mgt-chr.										
18.0	19.0	1.0	Peridotite dark grey green massive sheared silicification, minor serpentinization										
19.0	20.0	1.0	Peridotite dark grey gn. massive sheared. 5% mgt-chr. minor asbestos minor blue gn. serp. mineral on joints & fractures.	724255	<2	1	3	8	2	3	<2	.19	.17
20.0	21.0	1.0	Vuggite apple green 2% asbestos massive 10% peridotite; tr olive mineral on fractures.										
21.0	22.0	1.0	Peridotite dark grey-green sheared, cleaned olive mineral on joints.										
22.0	23.0	1.0	Vuggite apple green, partly serp dunite 3% mgt chr. sheared.	724289	<2	1	4	9	2	3	<2	.19	.19
23.0	24.0	1.0	Serpentinized dunite 90%; serp 10% tr chr. (100)										
24.0	25.0	1.0	As above. tr chr. (50)										
25.0	26.0	1.0	As above 5% clay tr chr. (100)	724290	4	1	4	10	2	3	<2	.21	.19
26.0	27.0	1.0	As above 2% clay tr chr. (100)										
27.0	28.0	1.0	As above tr carb, chr. (100)										
28.0	29.0	1.0	As above " " (100)										
29.0	30.0	1.0	Serp dunite greenish grey 80%, serp 15%, 5% carb, tr chr, rare mgt. (100)	724291	<2	2	3	7	2	3	<2	.21	.16
30.0	31.0	1.0	As above. x10 carb. (30)										
31.0	32.0	1.0	Serp dunite 90% Serp. 10% tr chr. (20)	724292	<2	1	5	5	2	3	<2	.19	.14
32.0	33.0	1.0	As above tr chr (40)										
33.0	34.0	1.0	Dunite 80% Altered quartz monzonite 20% tr chr. (30)	724293	<2	5	5	7	2	3	<2	.14	.10
34.0	35.0	1.0	As above tr chr. (30)										

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY | MACHINE | INCLINATION AT COLLAR | BEARING AT COLLAR | MAG./GRID

SAMPLE TYPE | FIELD ENTRY BY | DATE / /

CHECK SAMPLE

LAB. NOTES | CHEMIST | DATE / /

PROSPECT OR PROJECT | AREA OR GRID NAME

LINE No. | LOCATION OF LINE OR HOLE NUMBER BRP 18 | LOG PAGE 2 OF 3

LOG & ANALYTICAL REPORT

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FIELD ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
35.0	36.0	1.0	Dunite 70% serpentinite 30% tr clin.	(40)	724293									
36.0	37.0	1.0	Dunite 85% Serp 15% Some clinopyx. tr clin.	(40)										
37.0	38.0	1.0	As above. tr clin.	(50)	724294	<2	6	5	5	1	2	<2	.12	.10
38.0	39.0	1.0	Dunite 70% Serpentinite 30% tr clin.	(50)										
39.0	40.0	1.0	Serpentinized dunite / dunite 90% Serp 20% tr clin	(60)										
40.0	41.0	1.0	Partly serp dunite 98%, 2% serp.	(70)	724295	<2	8	5	6	2	3	<2	.12	.11
41.0	42.0	1.0	As above. tr clin.	(60)										
42.0	43.0	1.0	As above tr clin.	(70)										
43.0	44.0	1.0	As above tr clin / calcite	(80)	724296	<2	6	4	8	3	3	<2	.13	.09
44.0	45.0	1.0	As above. tr serp, clin.	(75)										
45.0	46.0	1.0	As above tr serp veins minor clin.	(80)										
46.0	47.0	1.0	As above " " "	(90)	724297	2	4	4	7	3	3	<2	.20	.12
47.0	48.0	1.0	Serp dunite 98% Serp 2% tr clin.	(90)										
48.0	49.0	1.0	As above - minor brownish green serp tr clin.	(30)										
49.0	50.0	1.0	As above. tr clin	(90)	724298	4	4	5	8	3	3	<2	.20	.17
50.0	51.0	1.0	Dunite 90% Serp 10% tr clin.	(60)										
51.0	52.0	1.0	Dunite 80% Serpentinite + serp 20% tr clin	(50)	724299	2	4	4	9	2	4	2	.17	.13
			52m = End of hole.											

CHECK SAMPLE

MAP, AIR PHOTO OR DRAWING No.:

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

SAMPLE TYPE: FIELD ENTRY BY: DATE: / /

LAB NOTES: CHEMIST: DATE: / /

PROSPECT OR PROJECT: AREA OR GRID NAME:

LINE No: LOCATION ON LINE OR HOLE NUMBER: BRP 18 LOG PAGE 3 OF 3

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

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FIELD ENTRY

THIS IS A MULTI-PURPOSE FORM

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	Au ppb	Pt ppb	Pd ppb	Ru ppb	Rh ppb	Ir ppb	Os ppb	Ni %	Cu %
1	0	1.0	1.0	Wthr. serp dunite v. broken to clay (20)	724300	<2	2	4	10	2	4	<2	.21	.12
2	1.0	2.0	1.0	Wthr. serp dunite, oxid on joints to serp. to clay/gt (30)										
3	2.0	3.0	1.0	As above. (40)										
4	3.0	4.0	1.0	As above. Sl. less weath to clay/mgt. (60)	724301	<2	2	8	8	2	3	<2	.14	.12
5	4.0	5.0	1.0	As above. " " " (60)										
6	5.0	6.0	1.0	Partly wthr serp dunite (80)										
7	6.0	7.0	1.0	As above. to clay/mgt. (100)	724302	<2	3	4	9	2	4	<2	.17	.10
8	7.0	8.0	1.0	Partly serp dunite/dunite to mgt/clay (100)										
9	8.0	9.0	1.0	As above (40)										
10	9.0	10.0	1.0	As above (30)	724303	<2	3	4	10	3	4	2	.20	.12
11	10.0	11.0	1.0	Fresh partly serp dunite to mgt/clay (90)										
12	11.0	12.0	1.0	Partly serp dunite 60% dunite 20% to mgt/clay (80)										
13	12.0	13.0	1.0	As above. dunite contains to feldspar to mgt/clay (80)	724304	<2	4	4	10	2	4	<2	.19	.10
14	13.0	14.0	1.0	Partly serp dunite 60%; dunite 20% to mgt/clay. (60)										
15	14.0	15.0	1.0	Partly serp dunite 20%; dunite 10% to ask, mgt, clay. (60)										
16	15.0	16.0	1.0	As above to ask, mgt, clay. (80)	724305	<2	4	4	10	3	3	<2	.20	.12
17	16.0	17.0	1.0	As above, serp visible on fractures some clay. Fe stains on joints, to ask, mgt, clay (60)										
18	17.0	18.0	1.0	Partly serp dunite with serp on slip planes to mgt/clay (70)										
19	18.0	19.0	1.0	As above to mgt/clay (90)	724306	<2	3	5	11	3	5	2	.18	08
20	19.0	20.0	1.0	Part serp dunite similar to above to mgt/clay (80)										
21	20.0	21.0	1.0	As above to mgt/clay (90)										
22	21.0	22.0	1.0	As above " " (60)	724307	<2	3	4	8	2	4	<2	.19	13
23	22.0	23.0	1.0	As above to mgt/clay. (80)	Sample lost									
24	23.0	24.0	1.0	As above - some larger fragments (70)										
25	24.0	25.0	1.0	As above slight schistosity tinge on serp fractures to mgt/clay. (90)	724308	<2	2	2	10	2	4	<2	.20	.13
26	25.0	26.0	1.0	As above to clay, mgt. (90)										
27	26.0	27.0	1.0											
28														
29														
30														

RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT

CHECK SAMPLE

LAB. NOTES:

CHEMIST:

DATE: / /

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D. SIMPSON | MACHINE: ROC 101 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 310 MAG./GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 30/5/88

PROSPECT OR PROJECT: HEATHLEWOOD | AREA OR GRID NAME: BERESLEY

LINE No: A-91 | LOCATION ON LINE OR HOLE NUMBER: BRP 19 | LOG PAGE 1 OF 2

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

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FIELD ENTRY

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
1	27.0	28.0	1.0	Serp. dunite with serpentine, tr ank, calcite, tr chr, mgt.	(70)										
2															
3	28.0	29.0	1.0	As above. tr calcite tr mgt / chr.	(60)	724309	<2	2	3	10	2	4	2	·21	·18
4	29.0	30.0	1.0	As above tr mgt / chr.	(40)										
5	30.0	31.0	1.0	As above. minor dunite tr mgt / chr.	(40)										
6	31.0	32.0	1.0	As above. tr mgt / chr.	(60)	724310	<2	3	4	11	2	4	6	·20	·12
7	32.0	33.0	1.0	As above. tr mgt / chr.	(60)										
8	33.0	34.0	1.0	As above. tr pale blue min. in serp faces. tr mgt blebs.	(70)										
9	34.0	35.0	1.0	As above. tr mgt / chr.	(80)	724311	<2	6	3	12	2	5	4	·20	·14
10	35.0	36.0	1.0	As above tr mgt / chr.	(60)										
11	36.0	37.0	1.0	As above tr mgt / chr.	(60)										
12	37.0	38.0	1.0	As above; minor dk green serp tr mgt / chr.	(80)	724312	<2	2	6	10	3	4	<2	·20	·11
13	38.0	39.0	1.0	As above. tr mgt / chr.	(60)										
14	39.0	40.0	1.0	As above. tr mgt / chr / ank.	(80)										
15	40.0	41.0	1.0	As above. tr mgt / chr.	(70)	724313	<2	3	3	8	2	3	<2	·19	·12
16	41.0	42.0	1.0	As above. tr mgt / chr.	(70)										
17	42.0	43.0	1.0	As above tr serp / mgt / chr.	(70)										
18	43.0	44.0	1.0	As above " " " "	(70)	724314	<2	3	4	9	3	4	2	·17	·11
19	44.0	45.0	1.0	As above. tr mgt / chr.	(60)										
20	45.0	46.0	1.0	As above. tr mgt / chr.	(60)										
21	46.0	47.0	1.0	As above. " "	(60)	724315	<2	3	4	9	2	4	<2	·17	·15
22	47.0	48.0	1.0	As above " "	(60)										
23	48.0	49.0	1.0	As above. tr mgt / chr.	(70)										
24	49.0	50.0	1.0	As above. " "	(20)	724316	<2	3	4	8	2	3	2	·17	·15
25	50.0	51.0	1.0	As above tr mgt / chr.	(60)										
26	51.0	52.0	1.0	As above. " "	(50)	724317	<2	3	6	10	2	4	2	18	·12
27															
28				52m = End of Hole											
29															
30															

MAP, AIR PHOTO OR DRAWING No.

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

SAMPLE TYPE: FIELD ENTRY BY: DATE: / /

CHECK SAMPLE

LAB. NOTES: CHEMIST: DATE: / /

PROSPECT OR PROJECT: HEAZLEWOOD AREA OR GRID NAME:

LINE No: LOCATION ON LINE OR HOLE NUMBER: BRP 19 LOG PAGE 2 OF 2

LOG & ANALYTICAL REPORT Sheet No. of A/O

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FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN ppb UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
0	2.0	2.0	V. weath f.-gr. Fe stained serp dunite. tr sulf/clay. (10)										
2.0	3.0	1.0	As above. (30)	724318	2	3	2	10	3	5	2	.22	.27
3.0	4.0	1.0	As above. (30)										
4.0	5.0	1.0	No return. (0)	724319	2	4	3	9	2	5	2	.26	.14
5.0	6.0	1.0	No return. (0)										
6.0	7.0	1.0	V. weathered f.-gr. Fe stained serp dunite tr clay/sulf. (10)										
7.0	8.0	1.0	No return. (0)	724320	<2	3	2	7	2	5	2	.22	.11
8.0	9.0	1.0	No return (0)										
9.0	10.0	1.0	Yellowish serpentinized dunite locally Fe stained. tr clay (10)										
10.0	11.0	1.0	As above - some cave material. (40)	724321	<2	4	3	7	2	4	2	.23	.10
11.0	12.0	1.0	Fresh partly serpentinized dunite grit, 2% serp. tr clay (60)										
12.0	13.0	1.0	As above. minor clay (60)										
13.0	14.0	1.0	As above " (60)	724322	<2	4	3	7	2	5	2	.23	.13
14.0	15.0	1.0	As above. " (90)										
15.0	16.0	1.0.	As above. " (90)										
16.0	17.0	1.0	As above. less fresh dunite " (100)	724323	<2	2	2	8	2	6	2	.22	.16
17.0	18.0	1.0	Partly serpentinite dunite, serp. in joints tr clay (90)										
18.0	19.0	1.0	Pard. serp dunite tr clay (100)										
19.0	20.0	1.0	As above. " (100)	724324	<2	5	0	12	3	4	8	.21	.12
20.0	21.0	1.0	" " " (100)										
21.0	22.0	1.0	As above. tr clay. (90)										
22.0	23.0	1.0	As above. Sl. more serp in joints tr clay. (90)	724325	<2	3	7	11	3	3	4	.20	.12
23.0	24.0	1.0	As above. Some cave. " (100)										
24.0	25.0	1.0	As above Some Fe stains tr clay. (100)										
25.0	26.0	1.0	As above " tr clay. (100)	724326	4	2	1	8	2	3	<2	.21	.10
26.0	27.0	1.0	As above. v. fr.-gr. fresh dunite. tr clay (100)										
27.0	28.0	1.0	As above. 1% minor serp tr Fe stains on joints tr clay. (100)										
28.0	29.0	1.0	As above. Minor serp. tr Fe stains. tr clay. (100)	724327	<2	2	2	7	2	3	2	.21	.11

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D. SIMPSON | MACHINE: ROC 600 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 120 | MAG / GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: D SIMPSON | DATE: 1/6/88 2/6/88

PROSPECT OR PROJECT: HEATHLEWOOD | AREA OR GRID NAME: BRABSEY

LINE No: A-A' | LOCATION ON LINE OR HOLE NUMBER: BRP20A | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB NOTES: | CHEMIST: | DATE: / /

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

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FIELD ENTRY

METALS EXPLORATION LIMITED

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	Au ppb	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
29.0	30.0	1.0	As above.	tr clor. (100)	724327									
30.0	31.0	1.0	" "	" (100)										
31.0	32.0	1.0	" "	" (100)	724328	<2	3	2	10	2	4	<2	·20	·09
32.0	33.0	1.0	" "	" (100)										
33.0	34.0	1.0	Dk. gn f. gr dunite 98% lithute med gr. anorthosite 2% tr clor.	(40)										
34.0	35.0	1.0	As above.	tr clor. (80)	724329	<2	8	2	8	2	6	4	·19	·10
35.0	36.0	1.0	As above but 10% anorthosite tr clor.	(90)										
36.0	37.0	1.0	As above but 10% " "	" (30)										
37.0	38.0	1.0	As above. tr clor	" (40)	724330	<2	10	2	8	2	4	2	·17	·09
38.0	39.0	1.0	As above 2% anorthosite	" (70)										
39.0	40.0	1.0	As above 0.5% anorthosite tr clor.	(100)										
40.0	41.0	1.0	Dk. gn f. gr. dunite tr serp tr clor.	(100)	724331	<2	9	2	6	2	7	4	·16	·08
41.0	42.0	1.0	As above.	tr clor. (100)										
42.0	43.0	1.0	Dk gn f. gr. dunite tr serp & anorth, clor.	(90)										
43.0	44.0	1.0	As above. tr serp. / clor.	(90)	724332	<2	9	2	7	2	7	4	·16	·07
44.0	45.0	1.0	As above. tr serp / clor.	(100)										
45.0	46.0	1.0	As above. Some up-hole cave. tr clor.	(100)										
46.0	47.0	1.0	As above. tr clor, steel.	(100)	724333	<2	10	2	6	2	5	4	·16	·09
47.0	48.0	1.0	As above tr clor.	(100)										
48.0	49.0	1.0	As above tr clor; some cave	(100)										
49.0	50.0	1.0	As above some cave tr clor, steel.	(60)	724334	<2	8	3	6	2	5	4	·16	·09
50.0	51.0	1.0	As above tr clor, steel	(100)										
51.0	52.0	1.0	As above tr clor, steel	(100)	724335	<2	6	3	6	2	5	2	·16	·07
			52m = End of hole.											

RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT

M&P, AIR PHOTO OR DRAWING No.

LOGGED BY | MACHINE | INCLINATION AT COLLAR | BEARING AT COLLAR | MAG./GRID

SAMPLE TYPE | FIELD ENTRY BY | DATE / /

CHECK SAMPLE

LAB NOTES | CHEMIST | DATE / /

PROSPECT OR PROJECT | AREA OR GRID NAME

LINE No. | LOCATION ON LINE OR HOLE NUMBER: BRP 20A | LOG PAGE 2 OF 2

LOG & ANALYTICAL REPORT Sheet No. [illegible]

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FIELD ENTRY 305

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY			SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
1	0	2.0	2.0	Ultr. grey-gn harzburgite + Feldspar	to clr	(20)	724336	<2	5	3	8	2	5	4	.17	.08
2	2.0	3.0	1.0	Ultr. grey-gn harzburgite	to clr.	(30)										
3	3.0	4.0	1.0	Gneissic f. gr. harzburgite	to clr.	(100)										
4	4.0	5.0	1.0	As above.		(90)	724337	<2	1	2	6	3	6	2	.20	.07
5	5.0	6.0	1.0	As above		(100)										
6	6.0	7.0	1.0	As above		(100)										
7	7.0	8.0	1.0	Harzburgite 95%, lherzolite 5% to clr		(100)	724338	<2	1	9	8	3	7	4	.19	.06
8	8.0	9.0	1.0	Gneissic f. gr. harzburgite.	to clr	(100)										
9	9.0	10.0	1.0	F. gr. grey harzburgite with 2% serp. 1% chromite												
10				+ to feldspar.		(20)	724339	<2	2	3	7	2	6	2	.18	.06
11	10.0	11.0	1.0	As above to clr, tremolite, serp.		(50)										
12	11.0	12.0	1.0	As above. to clr		(50)										
13	12.0	13.0	1.0	Dunite 60%; lherzolite 20% tremolite 20% to clr		(30)										
14	13.0	14.0	1.0	Dunite 80% lherzolite + amphibole 20% to clr.		(30)	724340	<2	3	3	6	3	6	4	.18	.06
15	14.0	15.0	1.0	Dunite 95%; amphibole + lherzolite 5% to clr.		(20)										
16	15.0	16.0	1.0	Dunite dk gn + clear feldspar veins + rare clr.		(20)										
17	16.0	17.0	1.0	As above.		(30)	724341	<2	3	5	7	2	6	4	.17	.06
18	17.0	18.0	1.0	Serp dunite + some dk gn serp frags + clr.		(40)										
19	18.0	19.0	1.0	Dunite 98% serp 2% to clr, tremolite		(40)										
20	19.0	20.0	1.0	Dunite + dk gn + v. rare clr.		(30)	724342	<2	2	3	7	2	7	2	.17	.07
21	20.0	21.0	1.0	As above.		(20)										
22	21.0	22.0	1.0	Hole flushing		(5)	724343	<2	2	3	8	3	6	2	.18	06
23																
24																
25				Hole abandoned at 22m due to												
26				poor sample return.												
27																
28																
29																
30																

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: D SIMPSON | MACHINE: RDC 601 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 180 MAG/GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 3/6/89

PROSPECT OR PROJECT: HERZLEWOOD | AREA OR GRID NAME: BRIDGE 1

LINE No: B-B1 | LOCATION ON LINE OR HOLE NUMBER: BRP 21 | LOG PAGE 1 OF 1

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

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FIELD ENTRY

L. ENTR

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
0	1.0	1.0	Dk gn-gy weathered hornblendite to clr. (50)										
1.0	2.0	1.0	As above " (50)	724344	<2	1	3	7	2	6	4	.19	.06
2.0	3.0	1.0	As above. 5% serp. to clr (50)										
3.0	4.0	1.0	As above to clr. (40)										
4.0	5.0	1.0	Partly serp hornblendite to actd, clr. (100)	724345	<2	2	3	6	2	6	2	.18	.05
5.0	6.0	1.0	As above. no actd to clr. (100)										
6.0	7.0	1.0	As above. to clr (100)										
7.0	8.0	1.0	Partly serp diorite or hornblendite; 5% serp to clr & tractolite (100)	724346	<2	2	4	6	2	7	4	.18	.06
8.0	9.0	1.0	As above. (100)										
9.0	10.0	1.0	As above. to clr. (100)										
10.0	11.0	1.0	As above. to clr (100)	724347	<2	2	3	7	2	6	4	.18	.06
11.0	12.0	1.0	Pumite grading to tractolite to clr. (100)										
12.0	13.0	1.0	As above. (100)										
13.0	14.0	1.0	Pumite grading to tractolite to clr. (100)	724348	<2	3	3	4	2	6	2	.17	.05
14.0	15.0	1.0	As above. (100)										
15.0	16.0	1.0	As above (50) (100)										
16.0	17.0	1.0	As above. (100)	724349	<2	2	3	7	2	6	2	.17	.06
17.0	18.0	1.0	Tractolite grading to pumit to clr (100)										
18.0	19.0	1.0	Pumit partly serpentinised to clr (100)										
19.0	20.0	1.0	Pumit as above. (100)	724350	<2	1	4	11	2	6	4	.18	.06
20.0	21.0	1.0	" " " (100)										
21.0	22.0	1.0	" " " (100)										
22.0	23.0	1.0	" " " to clr. (100)	724351	<2	2	4	7	2	7	2	.18	.06
23.0	24.0	1.0	" " " " (100)										
24.0	25.0	1.0	" " " to tractolite " (100)										
25.0	26.0	1.0	As above. to clr (100)	724352	<2	2	3	7	2	7	4	.18	.06
26.0	27.0	1.0	As above to tractolite to clr. (100)										
27.0	28.0	1.0	As above. to tractolite & clr. (100)										
28.0	29.0	1.0	As above to feldspar to clr (100)	724353	<2	1	3	6	2	6	2	.18	.06

CHECK SAMPLE

MAP, AIR PHOTO OR DRAWING No.

Figures in brackets are % recoveries

LOGGED BY: D. SIMPSON | MACHINE: ROC 601 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 005 | MAG / GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: D. SIMPSON | DATE: 3/6/93 4/6/93 5/6/93

PROSPECT OR PROJECT: HERZLEWOOD | AREA OR GRID NAME: BARKLEY

LINE No: E-W1 | LOCATION ON LINE OR HOLE NUMBER: EKP 22 | LOG PAGE 1 OF 2

LAB NOTES: | CHEMIST: | DATE: / /

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

[redacted] LE [redacted] ION [redacted] AILS [redacted] HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au (ppb)	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
29.0	30.0	1.0	Picrite ~~pearly~~ serpentinised	to clr.	(100)	724353								
30.0	31.0	1.0	As above to tremolite / clr.		(100)									
31.0	32.0	1.0	Picrite as above; to tremolite / clr.		(100)	724354	<2	1	4	8	3	8	4	.18	.07
32.0	33.0	1.0	As above	to clr.	(100)									
33.0	34.0	1.0	As above.	to clr	(100)									
34.0	35.0	1.0	As above.	to clr.	(70)	724355	<2	6	8	8	3	6	2	.18	.06
35.0	36.0	1.0	Picrite 90% lt gn to whitish altered ~~amphibole~~ grading to tremolite 10%	to clr.	(60)										
36.0	37.0	1.0	As above but v. rare clr.		(60)										
37.0	38.0	1.0	As above but brown amphibole.	No talc.	(60)	724356	<2	1	5	9	3	7	4	.17	.06
38.0	39.0	1.0	As above	No talc	(60)										
39.0	40.0	1.0	As above	"	(60)										
40.0	41.0	1.0	As above.		(40)	724357	<2	2	3	7	2	6	4	.17	.07
41.0	42.0	1.0	Partly serpentinised picrite f.-g. dk green.	No talc	(60)										
42.0	43.0	1.0	Picrite 70% serpentinite 30% v. rare clr.		(40)										
43.0	44.0	1.0	Dk gn. serp picrite 80%; lt gn serp 20%	No talc	(60)	724358	<2	2	5	9	3	6	2	.17	.09
44.0	45.0	1.0	Picrite (hard serp) tending to tremolite		(50)										
45.0	46.0	1.0	As above.		(10)										
46.0	47.0	1.0	As above.		(5)	724359	<2	2	6	10	2	6	4	.18	.07
47.0	48.0	1.0	No sample return.												
			Abandon hole at 48m.												

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 ERP 22. | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES | CHEMIST | DATE / /

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

[redacted] ILS [redacted] IGHL [redacted] rID [redacted] L — [redacted] FO [redacted] LY [redacted] AMPL [redacted] GOING TO M.E.L. LABORATORY

FIELD ENTRY

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
1	0.0	2.0	2.0	Partly serpentinised dunite/pyroxenite. tr chr. (50)	724361	<2	3	4	8	2	7	4	.20	.09
2	2.0	3.0	1.0	As above. tr chr (50)										
3	3.0	4.0	1.0	As above. tr chr (50)										
4	4.0	5.0	1.0	As above. tr feldspar, chr. (100)	724362	<2	3	3	9	4	7	2	.20	.10
5	5.0	6.0	1.0	As above tr feldspar, chr. (100)										
6	6.0	7.0	1.0	As above. some fresh pyroxenes (?) (100)										
7	7.0	8.0	1.0	As above. " " " (100)	724363	<2	3	2	11	4	9	2	.19	.09
8	8.0	9.0	1.0	Partly serpentinised pyroxenite/dunite tr chr (100)										
9	9.0	10.0	1.0	As above tr chr (100)										
10	10.0	11.0	1.0	As above. tr chr (100)	724364	<2	2	1	6	2	4	<2	.19	.09
11	11.0	12.0	1.0	Partly serpentinised dunite 100% tr chr. (70)										
12	12.0	13.0	1.0	As above. (100)										
13	13.0	14.0	1.0	As above. (100)	724365	<2	2	1	7	2	6	2	.22	.09
14	14.0	15.0	1.0	As above. (100)										
15	15.0	16.0	1.0	As above. (100)										
16	16.0	17.0	1.0	As above. (100)	724366	<2	2	2	6	2	6	2	.23	.11
17	17.0	18.0	1.0	As above. (100)										
18	18.0	19.0	1.0	As above. tr feldspar (100)										
19	19.0	20.0	1.0	As above. tr feld/chr. (100)	724367	<2	3	0	7	2	6	4	.19	.09
20	20.0	21.0	1.0	As above tr chr. (150)										
21	21.0	22.0	1.0	As above. tr chr (100)										
22	22.0	23.0	1.0	Serpentinised dunite 70%, chromite 30% tr chr (100)	724368	<2	2	1	6	2	5	2	.21	.08
23	23.0	24.0	1.0	As above. tr chr (100)										
24	24.0	25.0	1.0	As above. tr actinolite and chr (100)										
25	25.0	26.0	1.0	As above. tr actinolite and chr (80)	724369	<2	2	0	7	2	4	2	.20	.09
26	26.0	27.0	1.0	As above tr chr. (100)										
27	27.0	28.0	1.0	As above " (100)										
28	28.0	29.0	1.0	As above " (100)	724370	<2	2	1	6	2	5	2	.21	.09
29	29.0	30.0	1.0	As above. " (100)										
30	30.0	31.0	1.0	As above. tr act & chr. 5% serpentine (100)										

MAP, AIR PHOTO OR DRAWING No.:

Figures in brackets are % recoveries

LOGGED BY: D. SIMPSON | MACHINE: ROC 601 | INCLINATION AT COLLAR: -45 | BEARING AT COLLAR: 150 | MAG./GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 6/6/88

CHECK SAMPLE

LAB NOTES: | CHEMIST: | DATE: / /

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: BERESEY

LINE No.: B-B' | LOCATION ON LINE OR HOLE NUMBER: BRP 23 | LOG PAGE 1 OF 2

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

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

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FIELD ENTRY 3/85 — L-ENTR.

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.B UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au (Apb)	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
1	31.0	32.0	1.0	As above. tr ash. (100)	724371	<2	2	2	8	2	6	2	.20	.08
2	32.0	33.0	1.0	As above 2% ash; 2% serp (100)										
3	33.0	34.0	1.0	As above but less ash. (100)										
4	34.0	35.0	1.0	As above. V. fine cuttings (100)	724372	<2	2	1	8	2	7	4	.22	.08
5	35.0	36.0	1.0	F. gr. dk gn dunite. tr field zone serp alteration. (100)										
6	36.0	37.0	1.0	As above some feldspar frags. (100)										
7	37.0	38.0	1.0	As above (100)	724373	<2	2	3	7	2	7	4	.18	.07
8	38.0	39.0	1.0	As above tr chr. (100)										
9	39.0	40.0	1.0	As above No tail (100)										
10	40.0	41.0	1.0	As above tr feldspar. tr chr (80)	724374	<2	1	1	7	2	6	2	.18	.06
11	41.0	42.0	1.0	As above tr feldspar tr chr. (80)										
12	42.0	43.0	1.0	As above. tr chr (80)										
13	43.0	44.0	1.0	As above. tr chr. (30)	724375	<2	2	1	4	2	6	4	.18	.07
14	44.0	45.0	1.0	As above. with 5% pale gn. serpentine tr chr. (50)										
15	45.0	46.0	1.0	As above tr chr. (40)										
16	46.0	47.0	1.0	As above. No tail (20)	724376	<2	2	0	6	2	6	2	.17	.06
17	47.0	48.0	1.0	As above No tail (50)										
18	48.0	49.0	1.0	As above. tr feldspar. " (60)										
19	49.0	50.0	1.0	Dunite 70% serpentinite 30% No tail.	724377	<2	1	2	5	2	7	4	.18	.06
20				Poss. tr talc in last 15 m.										
21														
22				50 m = E.O.H.										
23														
24														
25														
26														
27														
28														
29														
30														

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: EKF 23 LOG PAGE 2 OF 2

CHECK SAMPLE

LAB NOTES: CHEMIST: DATE: / /

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

[redacted] SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY 0 ENT.

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN ppb UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	In	Os	Ni %	Cu %
0	2.0	2.0	1. Weath. f.gr. gl on to brn clymite.	tr clay	(30)										
2.0	3.0	1.0	As above. Partly sap	tr arb/clay.	(40)	724378	<2	4	3	8	2	8	4	.17	.04
3.0	4.0	1.0	As above.	tr clay.	(40)										
4.0	5.0	1.0	As above.	tr clay.	(70)	724379	<2	3	6	9	3	8	4	.17	.04
5.0	6.0	1.0	As above.	tr clay.	(70)										
6.0	7.0	1.0	Fresh f.gr. grey clymite.	tr clay/fayalite.	(60)										
7.0	8.0	1.0	As above.	tr clay.	(90)	724380	<2	3	6	10	2	7	4	.19	.05
8.0	9.0	1.0	As above.	tr clay	(100)										
9.0	10.0	1.0	Partly sap clymite	tr clay	(50)										
10.0	11.0	1.0	" " "	tr clay	(90)	724381	<2	3	6	10	3	9	4	.20	.08
11.0	12.0	1.0	As above.	tr clay	(90)										
12.0	13.0	1.0	Partly sap. weathered clymite	tr gyp / clay / feld	(20)										
13.0	14.0	1.0	As above.	tr feld / clay	(60)	724382	<2	3	7	11	3	9	4	.18	.07
14.0	15.0	1.0	As above.	tr clay	(40)										
15.0	16.0	1.0	As above.	tr feld; sulf on fractures.	tr clay (60)										
16.0	17.0	1.0	As above.		(70)	724383	<2	2	7	11	3	7	4	.20	.06
17.0	18.0	1.0	As above.	tr sap / clay.	(60)										
18.0	19.0	1.0	As above.	tr clay.	(30)										
19.0	20.0	1.0	As above.	1% talc	(40)	724384	<2	2	7	10	3	9	4	.20	.07
20.0	21.0	1.0	As above.	tr clay.	(90)										
21.0	22.0	1.0	As above.	tr clay.	(30)										
22.0	23.0	1.0	As above	2-5% clay from 10m.	(70)	724385	<2	5	13	15	4	9	4	.20	.10
23.0	24.0	1.0	As above.		(70)										
24.0	25.0	1.0	As above	tr feld.	(70)										
25.0	26.0	1.0	As above	tr feld	(100)	724386	<2	3	5	12	3	6	2	.20	.01
26.0	27.0	1.0	As above	tr clay, feld, clay.	(100)										
27.0	28.0	1.0	As above.	dk gr.	(100)										
28.0	29.0	1.0	As above	2% clay	(100)	724387	<2	3	10	12	3	8	4	.20	.01
29.0	30.0	1.0	As above	2% clay.	(40)										

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D. SIMPSON | MACHINE: RDC 601 | INCLINATION AT COLLAR: -45.0° | BEARING AT COLLAR: 005 | MAG./GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 7/6/88

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: BRASSEY

LINE No.: | LOCATION ON LINE OR HOLE NUMBER: BKP 24 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

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FIELD ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		SAMPLE NUMBER	Au ppb	At ppb	Ag ppb	Ru ppb	Rh ppb	Ir ppb	Os ppb	Ni %	Cr %
30.0	31.0	1.0	As above.	3% clay.	(40)										
31.0	32.0	1.0	As above.	tr fld / clay. 3% clay	(70)	724388	3	2	4	7	2	6	3	.20	.06
32.0	33.0	1.0	As above.	tr fld / clay	(90)										
33.0	34.0	1.0	As above.	tr clay / fld.	(70)										
34.0	35.0	1.0	As above. dunite, tending to lherzolite tr clay.		(100)	724389	6	2	8	11	3	7	4	.20	.06
35.0	36.0	1.0	As above.	tr clay	(100)										
36.0	37.0	1.0	As for 34-35.	tr clay	(70)										
37.0	38.0	1.0	As for 34-35.	tr clay	(70)	724390	<2	3	5	12	3	7	2	.19	.06
38.0	39.0	1.0	As above.	tr clay	(70)										
39.0	40.0	1.0	Dunite with <5% fld 95%; 2% lherzolite. v. rare clay.		(90)										
40.0	41.0	1.0	As above		(40)	724391	<2	3	4	10	2	7	4	.17	.05
41.0	42.0	1.0	As above. tr serp. (NO lherzolite) tr clay		(40)										
42.0	43.0	1.0	As above		(40)										
43.0	44.0	1.0	As above.	tr serp tr clay	(30)	724392	<2	4	4	9	3	8	4	.18	.05
44.0	45.0	1.0	Dunite 80% f-gr. dk gr. to grey/b pyroxenite 20%	tr clay.	(40)										
45.0	46.0	1.0	Partly serp dunite 95%, 5% serp. No talc		(30)										
46.0	47.0	1.0	Partly serp dunite 80%; 20% amphibole. No talc		(40)	724393	<2	6	6	10	3	8	4	.23	.08
47.0	48.0	1.0	As for 46-47.		(60)										
48.0	49.0	1.0	As for 46-47.		(30)										
49.0	50.0	1.0	Part. serp dunite 90%, 5% serp pyroxenite. 5% amphibole. No talc.		(40)	724394	<2	3	8	10	3	8	4	.16	.06
			50m = End of hole.												

RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT

MAP, AIR PHOTO OR DRAWING No.

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

SAMPLE TYPE: FIELD ENTRY BY: DATE: / /

CHECK SAMPLE

LAB. NOTES: CHEMIST: DATE: / /

PROSPECT OR PROJECT: HEAZLEWOOD AREA OR GRID NAME:

LINE No: LOCATION ON LINE OR HOLE NUMBER: BHP R4 LOG PAGE 2 OF 2

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

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FIELD ENTRY EN

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THIS IS A MULTI-PURPOSE FORM — PAGE 2

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	In	Os	Ni %	Cr %
1	0	2.0	2.0	Partly scap diunite with tr pyroxenite. tr ch/clor. (20)										
2	2.0	3.0	1.0	As above but more scap ie 30%. tr clor. (20)	724395	<2	4	5	8	3	9	4	.17	.13
3	3.0	4.0	1.0	As above. tr clor. (30)										
4	4.0	5.0	1.0	As above. fresh. tr clor. (40)	724396	<2	4	4	11	3	10	6	.21	.07
5	5.0	6.0	1.0	As above. fresh. tr clor. (50)										
6	6.0	7.0	1.0	As above. tr clor. (500)										
7	7.0	8.0	1.0	No sample return. (0)	724397	<2	3	4	11	3	9	6	.20	.05
8	8.0	9.0	1.0	Partly scap diunite with tr pyroxenite. tr clor. (100)										
9	9.0	10.0	1.0	Dark gn fresh scap diunite & minor pyx. tr clor (100)										
10	10.0	11.0	1.0	Dark gn fresh scap diunite + 20% limonite tr clor (100)	724398	<2	4	5	12	3	9	5	.18	.06
11	11.0	12.0	1.0	As above. (100)										
12	12.0	13.0	1.0	As above. (100)										
13	13.0	14.0	1.0	As above. (100)	724399	<2	5	7	11	3	9	6	.19	.06
14	14.0	15.0	1.0	As above. (100)										
15	15.0	16.0	1.0	Scap diunite 80%; 20% anorthosite (100)										
16	16.0	17.0	1.0	As above. tr scap. tr clor. (100)	724400	<2	5	6	11	3	9	4	.18	.07
17	17.0	18.0	1.0	As above. tr clay (100)										
18	18.0	19.0	1.0	Scap diunite with tr pyx gn-grey tr clor (60)										
19	19.0	20.0	1.0	Scap diunite 50%; lt gn scap 50% tr clor. (100)	724401	<2	4	4	8	2	7	4	.18	.08
20	20.0	21.0	1.0	As above. with 10% scap tr clor. (100)										
21	21.0	22.0	1.0	As above but with 5% scap tr clor (100)										
22	22.0	23.0	1.0	As above. tr scap. (100)	724402	<2	4	5	10	3	9	6	.20	.06
23	23.0	24.0	1.0	As above. tr scap. tr clor. (100)										
24	24.0	25.0	1.0	As above tr scap tr clor. (100)										
25	25.0	26.0	1.0	Dk gn-grey scap diunite with minor feld tr clor. (100)	724403	<2	5	5	8	3	10	6	.18	.06
26	26.0	27.0	1.0	As above. " (100)										
27	27.0	28.0	1.0	As above. " (100)										
28	28.0	29.0	1.0	As above. " (100)	724404	<2	5	7	9	3	9	6	.19	.06
29	29.0	30.0	1.0	As above. " (100)										
30	30.0	31.0	1.0	As above. tr clor. (100)										

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D. SIMPSON | MACHINE: ROC 601 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 180 | MAG./GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 7/6/83

PROSPECT OR PROJECT: HERZLEWOOD | AREA OR GRID NAME: BRASSEY

LINE No: | LOCATION ON LINE OR HOLE NUMBER: BRP 25 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB NOTES: | CHEMIST: | DATE: / /

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

[redacted] [redacted] [redacted] [redacted]LE [redacted]ION [redacted]AILS .H[redacted]NFIU[redacted]AL -I 6 FU [redacted]AMPLES GOING T[redacted] LEL . . JR/I. .

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED, X=BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
321.0	322.0	1.0	As above.	tr clay	(100)	724405	<2	4	5	13	4	8	6	.18	.10
322.0	330	1.0	Pk. gn. + gr dunite	tr clay / soap.	(100)										
33.0	34.0	1.0	As above.		(100)										
34.0	35.0	1.0	As above.		(100)	724406	<2	4	3	6	2	8	4	.16	.06
35.0	36.0	1.0	As above.		(100)										
36.0	37.0	1.0	As above	tr clay	(100)										
37.0	38.0	1.0	Dunite / pyroxenite 30%	amphibole 20%											
			No talc		(100)	724407	<2	7	4	8	3	12	6	.11	.06
39.0	39.0	1.0	Dunite / pyroxenite 90%	amphibole 10%	tr clay	(100)									
39.0	40.0	1.0	Dunite / pyroxenite 100%	tr soap / clay.		(100)									
40.0	41.0	1.0	As above.	tr clay.		(100)	724408	<2	3	4	7	3	10	6	.16	.07
41.0	42.0	1.0	As above.	tr clay		(100)									
42.0	43.0	1.0	As above.			(80)									
43.0	44.0	1.0	As above.			(100)	724409	4	4	3	12	4	10	4	.16	.08
44.0	45.0	1.0	Grey-gn-dunite	tr soap / pyr.	tr clay.	(100)									
45.0	46.0	1.0	Grey-gn dunite	tr soap	tr clay.	(50)									
46.0	47.0	1.0	Grey-gn. dunite	tr pyr	tr clay.	(60)	724410	<2	4	5	8	3	11	6	.14	.05
47.0	48.0	1.0	"	"	"	"	(80)									
46.0	49.0	1.0	"	"	"	"	(80)									
49.0	50.0	1.0	"	"	"	"	(80)	724411	<2	4	6	5	3	10	4	.19	.08
			50m = End of Hole.												

MAP, AIR PHOTO OR DRAWING No.

MACHINE | INCLINATION AT COLLAR | BEARING AT COLLAR | MAG./GRID

FIELD ENTRY BY | DATE / /

CHECK SAMPLE

LAB. NOTES | CHEMIST | DATE /

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

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FIELD ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X= BELOW DETECTION LIMIT: Au ppb.	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
0	2.0	2.0	Partly soap dunite with tr pyr. trace/clay	(30)											
2.0	3.0	1.0	As above.	(30)	724412	<2	4	5	7	2	8	6	.19	.07
3.0	4.0	1.0	As above. tr ank fibres to 10mm. tr clay	(30)										
4.0	5.0	1.0	As above. tr clay.	(50)	724413	<2	7	2	8	3	12	6	.17	.05
5.0	6.0	1.0	As above. "	(100)										
6.0	7.0	1.0	As above. "	(70)										
7.0	8.0	1.0	As above. "	(100)	724414	<2	5	4	7	2	11	4	.16	.04
8.0	9.0	1.0	As above. tr tractolite / clay.	(100)										
9.0	10.0	1.0	Pk gn dunite pale soap with up to 2% tractolite tr clay.	(100)										
10.0	11.0	1.0	As above. tr soap on fract tr clay.	(100)	724415	<2	8	3	10	4	16	10	.16	.06
11.0	12.0	1.0	As above. tr clay / soap.	(100)										
12.0	13.0	1.0	As above tr clay / soap.	(100)										
13.0	14.0	1.0	" " "	(100)	724416	<2	6	3	10	3	11	6	.18	.05
14.0	15.0	1.0	" " "	(100)										
15.0	16.0	1.0	As above. with up to 5% tractolite tr clay	(100)										
16.0	17.0	1.0	As above. tr clay.	(100)	724417	<2	4	6	9	3	11	6	18	.07
17.0	18.0	1.0	As above tr clay.	(100)										
18.0	19.0	1.0	As above. tr clay.	(100)										
19.0	20.0	1.0	F gr dk gn pard. soap dunite tr felsd. tr clay.	(100)	724418	<2	6	4	8	3	11	5	.19	.06
20.0	21.0	1.0	" " " "	(100)										
21.0	22.0	1.0	" " " "	(100)										
22.0	23.0	1.0	" " " "	(100)	724419	<2	5	4	10	3	10	6	.19	.06
23.0	24.0	1.0	F gn. dk. gn pard soap. dunite 5% felsd. tr clay	(100)										
24.0	25.0	1.0	" " " " "	(100)										
25.0	26.0	1.0	As above but 2% felsd. tr clay	(100)	724420	4	7	3	10	3	11	6	.18	.06
26.0	27.0	1.0	As above tr clay	(100)										
27.0	28.0	1.0	As above. tr soap. tr clay	(100)										
28.0	29.0	1.0	" " "	(100)	724421	<2	7	7	6	3	14	10	.18	.06
29.0	30.0	1.0	" " "	(100)										

CHECK SAMPLE

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D SIMPSON MACHINE: ROC 601 INCLINATION AT COLLAR: -45° BEARING AT COLLAR: 010 MAG./GRID

SAMPLE TYPE: PERCUSSION CHIP FIELD ENTRY BY: DATE 9/6/85

LAB. NOTES: CHEMIST:

DATE: / /

PROSPECT OR PROJECT: HEAZLEWOOD AREA OR GRID NAME: BRASSEY

LINE No: B-B1 LOCATION ON LINE OR HOLE NUMBER: BRP 26 LOG PAGE 1 OF 2

LOG & ANALYTICAL REPORT Sheet No. of A 10

[redacted] [redacted] [redacted] [

[redacted] IS FIELD ONLY [redacted] SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY

METALS EXPLORATION LIMITED

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN p.p.b. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
1	0	2.0	2.0	Wthr. f. gr. harzburgite; pent serp. tr clay. (20)	724429	<2	9	8	11	4	14	6	.20	.15
2	2.0	3.0	1.0	As above. (20)										
3	3.0	4.0	1.0	As above. (20)										
4	4.0	5.0	1.0	Wthr. pent serp. harzburgite / dunite. tr clay. (100)	724430	<2	8	3	14	4	9	4	.19	.15
5	5.0	6.0	1.0	As above less wthr. (100)										
6	6.0	7.0	1.0	As above. minor clay. (100)										
7	7.0	8.0	1.0	As above. minor clay. (100)	724431	<2	6	3	5	2	9	4	.17	.12
8	8.0	9.0	1.0	As above 90% lt gn. serp 10% tr clay. (100)										
9	9.0	10.0	1.0	As above tr clay. (80)										
10	10.0	11.0	1.0	Partly serp. dunite minor pyx. tr clay. (100)	724432	<2	9	10	10	3	8	4	.17	.13
11	11.0	12.0	1.0	As above. tr clay / chert. (100)										
12	12.0	13.0	1.0	Partly serp dunite 70% lt gn. serp. 30% tr clay. (100)										
13	13.0	14.0	1.0	" " " " (100)	724433	<2	9	5	15	3	6	4	.16	.10
14	14.0	15.0	1.0	As above with 2-3% feldspar tr clay. (80)										
15	15.0	16.0	1.0	As above. Lost bible serp. tr feld. / clay. (100)										
16	16.0	17.0	1.0	As above. tr clay. (100)	724434	<2	5	6	19	2	10	8	.17	.09
17	17.0	18.0	1.0	" " (100)										
18	18.0	19.0	1.0	" " (100)										
19	19.0	20.0	1.0	Lt. gn. serp dunite 80%; 20% dk gn dunite.										
20				v. rare clay. tr Xenotime (100)	724435	<2	7	7	9	4	8	8	.14	.08
21	20.0	21.0	1.0	Partly serp dunite tr pyx. tr clay / feld. (100)										
22	21.0	22.0	1.0	As above. tr clay. (100)										
23	22.0	23.0	1.0	" " (100)										
24	23.0	24.0	1.0	Greenish grey f. gr. pent serp dunite. tr pyx	724436	<2	8	6	5	4	10	6	.15	.07
25				tr serp / clay. (100)										
26	24.0	25.0	1.0	As above. tr clay / feld. (100)										
27	25.0	26.0	1.0	As above. tr clay / feld (100)	724437	2	8	9	14	4	7	6	.17	.08
28	26.0	27.0	1.0	Pent serp dunite 80% lt gn serp 20% tr feld / clay. (100)										
29	27.0	28.0	1.0	Lt. gn. serp 70%; dunite 30% tr clay. (100)	724438	4								
30	28.0	29.0	1.0	Dunite 90% l. gr; 10% lt gn. serp. tr clay. (100)		4	4	3	6	5	6	6	.15	.18

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D. SIMPSON | MACHINE: ROCEI | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 180 MAG./GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: / /

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: BARNSLEY.

LINE No: B-B1 | LOCATION ON LINE OR HOLE NUMBER: BRP 27 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

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FIELD ENTRY

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY	SAMPLE NUMBER	Au ppb	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
							RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT								
1	29.0	30.0	1.0	Dunite 100%.	tr clin. (100)	724438									
2	30.0	31.0	1.0	As above	" (100)										
3	31.0	32.0	1.0	As above.	" (100)	724439	<2	6	4	7	4	10	6	·17	·10
4	32.0	33.0	1.0	"	" (100)										
5	33.0	34.0	1.0	"	" (100)										
6	34.0	35.0	1.0	"	" (100)	724440	<2	6	9	4	2	6	6	·17	·11
7	35.0	36.0	1.0	"	tr serpentine / clin. (100)										
8	36.0	37.0	1.0	"	No talc (100)										
9	37.0	38.0	1.0	"	tr clin. (100)	724441	<2	6	6	24	3	7	6	·20	·11
10	38.0	39.0	1.0	"	tr feld / clin (100)										
11	39.0	40.0	1.0	As above. tr serp. / clin.	(100)										
12	40.0	41.0	1.0	As above. 5% serp. tr opx / clin.	(100)	724442	2	4	7	12	4	4	6	·17	·09
13	41.0	42.0	1.0	" " "	(100)										
14	42.0	43.0	1.0	As above tr feld. / clin.	(100)										
15	43.0	44.0	1.0	As above. 1% feld tr clin.	(100)	724443	3	5	10	12	4	7	5	·16	·08
16	44.0	45.0	1.0	" 2% feld. tr clin.	(100)										
17	45.0	46.0	1.0	" 0.5% feld. tr clin.	(100)										
18	46.0	47.0	1.0	" 2% feld. tr clin.	(100)	724444	<2	3	5	13	6	7	8	·16	·07
19	47.0	48.0	1.0	" 1% feld. tr clin.	(100)										
20	48.0	49.0	1.0	" tr feld. tr clin.	(100)	724445	<2	4	6	8	2	4	4	·16	·08
21	49.0	50.0	1.0	" " "	(100)										
22															
23				50m = End of hole											
24															
25															
26															
27															
28															
29															
30															

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: HEHZLEWOOD | AREA OR GRID NAME

LINE No. | LOCATION ON LINE OR HOLE NUMBER: BRP 27 | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES | CHEMIST | DATE: / /

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

[redacted] ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

METALS EXPLORATION LIMITED

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COMPUTER ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	Au	At	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
			RESULTS IN P.P.M UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT										
0	2.0	2.0	F gr. dark grey/grey to brn. speck. vesic. dunite. tr pyx. tr clin. (30)	720446	<2	3	5	7	3	4	4	.18	.10
2.0	3.0	1.0	As above. " (30)										
3.0	4.0	1.0	As above. tr clin. (30)										
4.0	5.0	1.0	" " " (60)	720447	<2	5	2	12	2	7	6	.17	.10
5.0	6.0	1.0	" " Com vnlts " (100)										
6.0	7.0	1.0	" " sl. gn. " (100)										
7.0	8.0	1.0	" " " (100)	720448	<2	4	3	6	3	4	4	.17	.10
8.0	9.0	1.0	" " " (100)										
9.0	10.0	1.0	Greenish grey f. gr. dunite, speck susp. tr clin. (70)										
10.0	11.0	1.0	As above + 10% susp. sl gn. tr felsic. in dunite. tr clin. (100)	720449	2	4	3	18	3	7	6	.17	.10
11.0	12.0	1.0	As above. tr clin. (100)										
12.0	13.0	1.0	As above. " (100)										
13.0	14.0	1.0	" tr felsic / clin. (100)	720450	<2	3	2	8	2	2	4	.17	.11
14.0	15.0	1.0	" " " (100)										
15.0	16.0	1.0	" 1% felsic. " (100)										
16.0	17.0	1.0	" No tail (40)	720451	2	5	3	9	4	4	4	.17	.09
17.0	18.0	1.0	Dk gn. f. gr dunite with 1% felsic tr clin. (60)										
18.0	19.0	1.0	As above. tr clin. (60)										
19.0	20.0	1.0	" 1% felsic. tr clin (80)	720452	2	4	5	5	3	3	4	.17	.08
20.0	21.0	1.0	Pale susp. clr-gn. f. gr. dunite. 1% felsic. tr susp/clin. (100)										
21.0	22.0	1.0	As above. tr clin. (100)										
22.0	23.0	1.0	" numer clin. (100)	720453	2	3	2	16	2	4	4	.17	.09
23.0	24.0	1.0	" tr felsic, clin. (100)										
24.0	25.0	1.0	" " " (60)										
25.0	26.0	1.0	" " " (40)	720454	<2	3	6	13	3	3	<2	.17	.11
26.0	27.0	1.0	" " " (40)										

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: D. SIMPSON | MACHINE: ROC 661 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 355 MAG./GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: / /

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: BRASSEY

LINE No: B-B' | LOCATION ON LINE OR HOLE NUMBER: EASTERS | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

THIS IS A MULTI-PURPOSE FORM

[redacted] LOCATION [redacted] DETAILS [redacted] HIGH [redacted] CONFI [redacted] IAL [redacted] S FOR [redacted] ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY EN

METALS EXPLORATION LIMITED

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THIS IS A MULTI-PAGE REPORT

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
27.0	28.0	1.0	As above. to clay (70)										
28.0	29.0	1.0	" " " (60)	724455	<2	4	4	8	3	3	4	.17	.10
29.0	30.0	1.0	" " No field " (60)										
30.0	31.0	1.0	" " to field / clay " (60)										
31.0	32.0	1.0	" " " " (80)	724456	2	4	3	3	2	4	4	.18	.08
32.0	33.0	1.0	" " " (70)										
33.0	34.0	1.0	" " " (40)										
34.0	35.0	1.0	" " " (40)	724457	<2	4	4	5	4	4	4	.17	.07
35.0	36.0	1.0	" " to field. " (50)										
36.0	37.0	1.0	" " " " (50)										
37.0	38.0	1.0	" " to field. 3% sap " (60)	724458	2	5	7	15	2	3	4	.16	.06
38.0	39.0	1.0	" " 1% sap. (70)										
39.0	40.0	1.0	" " 2% sap. " (40)										
40.0	41.0	1.0	" " 1% sap. " (25)	724459	<2	5	2	19	2	5	4	.17	.07
41.0	42.0	1.0	" " 1% sap 5% clay. to clay. (30)										
42.0	43.0	1.0	" " to clay. (70)										
43.0	44.0	1.0	" " " (30)	724460	<2	3	6	14	4	3	4	.17	.01
44.0	45.0	1.0	" " to field. " (40)										
45.0	46.0	1.0	" " " " (100)										
46.0	47.0	1.0	" " " " (60)	724461	<2	6	4	10	4	6	4	.17	.06
47.0	48.0	1.0	" " " (70)										
48.0	49.0	1.0	" " " (40)										
49.0	50.0	1.0	" " " (60)	724462	<2	3	5	14	3	5	4	.16	.07
50.0	51.0	1.0	Vfg sug-gn f.-gr. dyke. to field / clay (70)										
51.0	52.0	1.0	As above with 5% sap to clay. (70)	724463	<2	3	3	5	2	2	4	.16	.01
			52m = End of hole.										

CHECK SAMPLE

MAP, AIR PHOTO OR DRAWING No.

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

SAMPLE TYPE: FIELD ENTRY BY: DATE: / /

LAB NOTES: CHEMIST: DATE: / /

PROSPECT OR PROJECT: AREA OR GRID NAME:

LINE No: LOCATION ON LINE OR HOLE NUMBER: BRP 29 LOG PAGE 2 OF 2

LOG & ANALYTICAL REPORT Sheet No. of A/O

[redacted] SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY EN.

METALS EXPLORATION LIMITED

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THIS IS A MULTI-PURPOSE FORM ... [redacted]

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN ppm UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
1	0	2.0	2.0	Wthr. f.gr. Ol. gn to brn dunite ± tr Pyx	trace (20)										
2	2.0	3.0	1.0	As above.	trace (30)	724464	<2	3	7	6	2	4	4	.22	.04
3	3.0	4.0	1.0	As above. v. rare clr.	(30)										
4	4.0	5.0	1.0	As above - a little less weak	trace (60)	724465	<2	4	5	8	2	3	4	.20	.01
5	5.0	6.0	1.0	As above.	" (150)										
6	6.0	7.0	1.0	As above. Patch serp	trace (100)										
7	7.0	8.0	1.0	As above "	" (100)	724466	<2	5	14	4	2	5	4	.18	.06
8	8.0	9.0	1.0	" "	" (100)										
9	9.0	10.0	1.0	Coarse tr/d anorthosite 60% Serp dunite 40%	trace (20)										
10	10.0	11.0	1.0	Coarse tr/d anorthosite 50% Serp dunite 50%	" (30)	724467	2	5	6	7	3	8	6	.15	.01
11	11.0	12.0	1.0	Serp ab. dunite 95% garnet anorth 5%	" (40)										
12	12.0	13.0	1.0	Serp dunite 100%	trace (100)										
13	13.0	14.0	1.0	As above. 100%	" (90)	724468	<2	3	3	9	2	5	4	.20	.01
14	14.0	15.0	1.0	" "	" (90)										
15	15.0	16.0	1.0	" trace felt-spar.	" (30)										
16	16.0	17.0	1.0	As above Serp dunite tr serp.	" (60)	724469	<2	4	2	7	3	3	4	.20	.09
17	17.0	18.0	1.0	" " No felt.	" (80)										
18	15.0	19.0	1.0	"	" (60)										
19	19.0	20.0	1.0	"	" (40)	724470	<2	3	5	8	3	4	4	.19	.08
20	20.0	21.0	1.0	"	" (50)										
21	21.0	22.0	1.0	"	" (50)										
22	22.0	23.0	1.0	" trace mk 3% serp.	" (40)	724471	<2	1	6	7	2	1	<2	.17	.06
23	23.0	24.0	1.0	Serp dunite 90%; altered anorthosite 10%	trace (60)										
24	24.0	25.0	1.0	Serp dunite 98% anorth. 2% tr serp/clr.	(60)										
25	25.0	26.0	1.0	No above.	trace (80)	724472	<2	2	4	7	2	2	4	.19	.01
26	26.0	27.0	1.0	Serp dunite 100%	tr serp/clr. (60)										
27	27.0	28.0	1.0	Serp dunite tr serp.	trace (70)										
28	28.0	29.0	1.0	Serp dunite tr serp.	" (60)	724473	<2	2	3	7	2	2	<2	.18	.06
29	29.0	30.0	1.0	Serp dunite tr serp., felsp., clr.	(70)										
30															

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D. SIMPSON | MACHINE: ROC 601 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 175 | MAG. GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: / /

PROSPECT OR PROJECT: HERZLEWOOD | AREA OR GRID NAME: BIRTHDAY

LINE No: B-B1 | LOCATION ON LINE OR HOLE NUMBER: BRP 29 | LOG PAGE 1 OF 2.

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No [illegible] of 10

[redacted] SAMPLE LOCATION DETAIL [redacted] HIGH [redacted] CONFIDENTIAL [redacted] THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY EA

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au (ppb)	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
1	30.0	31.0	1.0	Serpentinite to Gossan float.	trace	(50)										
2	31.0	32.0	1.0	Gossan dunite to float. / olivine	"	(50)	724474	<2	2	4	7	3	3	4	.18	.07
3	32.0	33.0	1.0	" " "	"	(30)										
4	33.0	34.0	1.0	" " "	"	(60)										
5	34.0	35.0	1.0	" " "	"	(80)	724475	<2	2	4	8	3	4	4	.19	.07
6	35.0	36.0	1.0	" " "	"	(60)										
7	36.0	37.0	1.0	" " "	"	(50)										
8	37.0	38.0	1.0	" " "	"	50)	724476	<2	1	3	5	2	0	<2	.19	.06
9	38.0	39.0	1.0	" " "	"	(60)										
10	39.0	40.0	1.0	" " "	"	(40)										
11	40.0	41.0	1.0	" " "	"	(60)	724477	<2	4	3	8	3	2	<2	.18	.08
12	41.0	42.0	1.0	" " "	"	(60)										
13	42.0	43.0	1.0	" " "	"	(60)										
14	43.0	44.0	1.0	" " "	"	(60)	724478	<2	3	4	8	3	2	4	.19	.07
15	44.0	45.0	1.0	" " "	"	(50)										
16	45.0	46.0	1.0	" " "	"	(60)										
17	46.0	47.0	1.0	" " "	"	(40)	724479	6	5	8	8	3	1	<2	.17	.08
18	47.0	48.0	1.0	" " "	"	(30)										
19	48.0	49.0	1.0	" " "	"	(20)	724480	<2	2	4	8	3	1	<2	.18	.09
20	49.0	50.0	1.0	" " "	"	(30)										
21																
22				50m = End of hole.												
23																
24																
25																
26																
27																
28																
29																
30																

THIS IS A MULTI PURPOSE FORM - CARE MUST BE TAKEN...

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: BRP29 | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES | CHEMIST | DATE: / /

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

[redacted] [redacted] [redacted] [

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FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
27.0	28.0	1.0	As for 26-27. tr Asp.										
28.0	29.0	1.0	Dk gy/gn serp dunite 60%, interstit serp./talc 20%; gametized anorthosite 20% tr felsic lebr. (100)	724490	4	1	2	6	2	0	<2	.08	.06
29.0	30.0	1.0	As for 26.0-27.0 (70)										
30.0	31.0	1.0	As for 26.0-27.0 but with 60% gametized anorthosite. tr serp/talc (80)										
31.0	32.0	1.0	Gametized anorthosite 30% Dk gn serp dunite 60%. v rare clr (90)	724491	12	3	5	5	2	1	4	.09	.08
32.0	33.0	1.0	Serpentinized dunite 70% Gametized anorthosite 30%. No talc (70)										
33.0	34.0	1.0	Serpentinized dunite 70%; gametized anorthosite 30% No talc (70)										
34.0	35.0	1.0	Serpentinized dunite 50%; gametized anorthosite 50% No talc. (100)	724492	<2	3	6	9	3	5	4	.10	.09
35.0	36.0	1.0	Gametized anorthosite 70% Serp dunite 30% v rare clr. (90)										
36.0	37.0	1.0	Gametized anorthosite 90% serp dunite 10% tr serp tr clr. (90)										
37.0	38.0	1.0	As above. (90)	724493	<2	4	4	11	3	5	4	.10	.07
38.0	39.0	1.0	Serp dunite 70%, gametized anorth. 30% No talc (20)										
39.0	40.0	1.0	Serp dunite 90%; gametized anorthosite 10% tr clr. (30)										
40.0	41.0	1.0	As above. tr serp tr clr. (50)	724494	<2	4	3	7	3	4	4	.14	.07
41.0	42.0	1.0	Dunite 60%; gam anorth 30% serp 10% tr clr. (80)										
42.0	43.0	1.0	As above (30)										
43.0	44.0	1.0	As above. (60)	724495	<2	5	4	9	3	4	4	.15	.05
44.0	45.0	1.0	Dk. gn serp dunite 90%; lt. gr. gam. anorth 10% tr clr. (40)										

MAP, AIR PHOTO OR DRAWING No.

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

SAMPLE TYPE: FIELD ENTRY BY: DATE: / /

CHECK SAMPLE

LAB NOTES: CHEMIST: DATE: / /

PROSPECT OR PROJECT: AREA OR GRID NAME:

LINE No: LOCATION ON LINE OR HOLE NUMBER: BRP 30 LOG PAGE 2 OF 3

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

[redacted] FOR [redacted] ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
45.0	46.0	1.0	As above. tr sulp. / clay.	(60)										
46.0	47.0	1.0	As above. diorite 95% dunite 5% tr sulp clay.	(60)	724496	<2	3	3	9	3	4	4	.17	.06
47.0	48.0	1.0	Diorite 100% with tr sulp / clay.	(50)										
48.0	49.0	1.0	As above tr clay.	(90)										
49.0	50.0	1.0	As above tr sulp / clay.	(80)	724497	<2	3	3	9	3	4	4	.14	.05
50.0	51.0	1.0	As above.	(80)										
51.0	52.0	1.0	As above tr sulp / clay.	(70)										
52.0	53.0	1.0	As above "	(60)	724498	<2	4	4	8	3	4	4	.18	.07
53.0	54.0	1.0	As above. "	(40)										
54.0	55.0	1.0	As above "	(60)										
55.0	56.0	1.0	As above "	(60)	724499	<2	3	3	8	3	3	4	.15	.05
56.0	57.0	1.0	As above "	(80)										
57.0	58.0	1.0	F. gr. dik. gn. serp alt. diorite tr sulp. broken	(80)	724500	<2	5	4	9	3	5	4	.17	.07
58.0	59.0	1.0	As above. "	(70)										
59.0	60.0	1.0	As above. "	(80)										
60.0	61.0	1.0	As above. "	(80)	724501	<2	4	3	8	3	5	4	.15	.06
			61m = End of hole											

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 SRP30 | LOG PAGE 3 OF 3

CHECK SAMPLE

LAB. NOTES | CHEMIST | DATE / /

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

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[redacted] PLE [redacted] TION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT Au	At	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
27.0	28.0	1.0	Serp dunite / wpk to serp vein clay (100)										
28.0	29.0	1.0	" " " (100)										
29.0	30.0	1.0	" " " " (100)	724511	<2	3	4	9	3	3	4	.16	.05
30.0	31.0	1.0	" " " " (100)										
31.0	32.0	1.0	" " " " (100)										
32.0	33.0	1.0	Serp to serp dunite tr clay/mgt. silicif.	724512	<2	7	5	8	4	3	4	.21	.09
33.0	34.0	1.0	Serp to serp dunite. " "										
34.0	35.0	1.0	" " " Poorly fractured. dark olive gn.										
35.0	36.0	1.0	Serp to serp dunite Colloj Hematite vein pale green - cream 1% chr/mgt. Slickensides	724513	<2	5	5	10	3	4	4	.15	.07
36.0	37.0	1.0	Serp dunite - serp., 5% cream to cream enrich. tr mgt/chr.										
37.0	38.0	1.0	Serp. - serp dunite Slickensides & chalcedony chert on fracture planes tr mgt/chr	724514	<2	4	4	10	3	5	4	.18	.07
38.0	39.0	1.0	Serp - serp dunite 3% ema-thonite (cream - pale gn) chert on fract. tr chr mgt										
39.0	40.0	1.0	DiHo.										
40.0	41.0	1.0	Serp - Serp dunite - minor chalcedonic chert on fractures tr chr/mgt										
41.0	42.0	1.0	Serp - serp dunite / poorly fractured. dk gn olive tr chr/mgt tr chalcedony on fractures.	724515	<2	3	4	9	3	4	4	.20	.11
42.0	43.0	1.0	DiHo.										
43.0	44.0	1.0	Serp serp dunite tr mgt chr / brec silicif.										
44.0	45.0	1.0	DiHo.	724516	<2	3	3	10	3	5	4	.16	.08
45.0	46.0	1.0	Serp dunite - serp tr mgt/chr poorly fract. dark olive gn.										
46.0	47.0	1.0	Serp dunite - serp poorly fract. dark olive gn tr mgt-chr										
47.0	48.0	1.0	Serp dunite - serp poorly fract. dark olive gn. tr. mgt/chr.	724517	<2	3	3	8	2	3	4	.12	.07
48.0	49.0	1.0	DiHo										
49.0	50.0	1.0	DiHo	724518	<2	4	3	10	2	10	10	.12	.07

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: HEATHERWOOD AREA OR GRID NAME:

LINE No: LOCATION ON LINE OR HOLE NUMBER: BRP 31 LOG PAGE 2 OF 3

CHECK SAMPLE

LAB. NOTES: CHEMIST: DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/0

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

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FIELD ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
			RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT										
50.0	51.0	1.0	Serp-dunite - serp strongly fract. dark olv gn to mgt-chr										
51.0	52.0	1.0	Serp dunite - serp dark olv gn to chalcedony in fractures to mgt-chr	724519	<2	6	4	10	3	6	4	.11	.06
			52m = End of hole										

MAP, AIR PHOTO OR DRAWING No:

LOGGED BY:

MACHINE:

INCLINATION AT COLLAR:

BEARING AT COLLAR:

MAG./GRID

SAMPLE TYPE:

FIELD ENTRY BY:

DATE: / /

CHECK SAMPLE

LAB. NOTES:

CHEMIST:

DATE: / /

PROSPECT OR PROJECT: HEADLEWOOD

AREA OR GRID NAME:

LINE No:

LOCATION ON LINE OR HOLE NUMBER: BRP 31

LOG PAGE 3 OF 3

LOG & ANALYTICAL REPORT Sheet No. of A/0

[redacted] SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY EN. 00 00 08

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN ppb UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
1	0	2.0	2.0	No sample.	724520	<2	4	4	11	3	5	4	.14	.10
2	2.0	3.0	1.0	Dunite, dk. ol. gn., poorly fractured, accessory chromite.										
3	3.0	4.0	1.0	ditto										
4	4.0	5.0	1.0	No sample.										
5	5.0	6.0	1.0	Dunite, heavily serpentinized, trace disseminated chromite in fractures.	724521	<2	3	4	9	2	3	4	.16	.09
6														
7	6.0	7.0	1.0	Serpentinized dunite, tr chr, magnetite										
8	7.0	8.0	1.0	Serpentinized dunite, tr chr, mgt. 20% dunite.	724522	<2	3	3	8	3	5	4	.12	.11
9	8.0	9.0	1.0	Dunite 80% soap dunite 20% accessory chromite.										
10	9.0	10.0	1.0	ditto.										
11	10.0	11.0	1.0	Serpentinized dunite, dark olive to grey ½% mgt/chr.	724523	<2	4	4	7	3	4	4	.14	.11
12	11.0	12.0	1.0	Dunite dk. gn. massive. ½% mgt/chr.										
13	12.0	13.0	1.0	Dunite, dk. gn. Soap dunite 35% ½% mgt-chr.										
14	13.0	14.0	1.0	Dunite dk. gn. Soap dunite 10% ½% mgt-chr.										
15				heavily fractured.	724524	<2	3	4	8	2	4	4	.12	.07
16	14.0	15.0	1.0	Dunite dk. gn. Soap dunite 15% ½% mgt/chr.										
17	15.0	16.0	1.0	Serpentinized dunite, soap-dunite dark-olive to mgt, chr.										
18					724525	<2	3	3	9	3	4	4	.13	.06
19	16.0	17.0	1.0	ditto - foggy, clay-rich shear zone										
20	17.0	18.0	1.0	Dunite dk. gn. foggy, clay-rich 0.5% chr. mgt										
21	18.0	19.0	1.0	Soap dunite, dark olive-gy. fractures, clay, fault zone.										
22				0.5% chr/mgt.										
23	19.0	20.0	1.0	Soap dunite dark dk. gny minor clay in fractures	724526	6	4	3	9	3	5	10	.15	.05
24	20.0	21.0	1.0	Soap dunite, soap dark olive gny 0.5% chr-mgt.										
25	21.0	22.0	1.0	Soap, soap dunite dark dk. grey chr/mgt in fractures 0.5% chr/mgt										
26														
27	22.0	23.0	1.0	ditto clay-rich fault	724527	<2	3	6	10	3	5	8	14	.06
28	23.0	24.0	1.0	Rock change Serpentinite, soap hornblendite dike 2-3 gn 1% chr-mgt										
29														
30														

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: J. KEALL | MACHINE: ROC 601 | INCLINATION AT COLLAR: -45 | BEARING AT COLLAR: 355 ~~180~~ MAG / ~~GRID~~

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 8/6/85

PROSPECT OR PROJECT: HEARLEWOOD | AREA OR GRID NAME: BRACKEY

LINE No: B B' | LOCATION ON LINE OR HOLE NUMBER: RP 53 | LOG PAGE 1 OF 3

CHECK SAMPLE

LAB NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

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FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN ppb UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
24.0	25.0	1.0	ditto.											
25.0	26.0	1.0	Serpentinite, soap, fuchsite, 1% mgt-chr. diagnostic fault zone.	724525	<2	1	5	10	2	7	4	.13	.05
26.0	27.0	1.0	Serpentinite, soap dunite, dark green clay on fractures 1% chr. mgt.											
27.0	28.0	1.0	Serpentinite - some weathered dunite - probably infinite str vein soap. <1% mgt 2% soap px, 80% soap ol.											
28.0	29.0	1.0	As above. thin veins of magnetite 1-2mm occasionally fractured	724529	<2	1	4	8	2	8	6	.14	.06
29.0	30.0	1.0	Similar.											
30.0	31.0	1.0	Soap dunite ± 1% mgt. str chr. str vein soap.											
31.0	32.0	1.0	Similar	724530	7	2	3	6	2	8	8	.15	.06
32.0	33.0	1.0	Similar.											
33.0	34.0	1.0	Similar rare mgt bands.											
34.0	35.0	1.0	Similar.	724531	<2	1	3	10	2	9	4	.11	.05
35.0	36.0	1.0	90% soap dunite ; 10% soap px. str vein soap.											
36.0	37.0	1.0	Similar.											
37.0	38.0	1.0	Similar - vein magnetite common in soap. alt.	724532	4	0	6	4	2	5	2	.12	.06
38.0	39.0	1.0	Similar.											
39.0	40.0	1.0	Similar.											
40.0	41.0	1.0	Similar.	724533	<2	0	2	5	2	5	2	.15	.07
41.0	42.0	1.0	magnetite in "soap" and in vein soap.											
42.0	43.0	1.0	Similar to (40-41)											
43.0	44.0	1.0	Similar.	724534	<2	2	4	7	2	7	4	.15	.08
44.0	45.0	1.0	Similar.											
45.0	46.0	1.0	Similar - sl. magnetite in vein soap.											
46.0	47.0	1.0	Similar.	724535	<2	3	5	7	3	8	5	.10	.06
47.0	48.0	1.0	Similar											
48.0	49.0	1.0	10-15% px ; 20% altered amphibole ; vein tremolite	724536										
49.0	50.0	1.0	Similar.		<2	0	3	7	2	6	6	.14	.08

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: | MACHINE: | INCLINATION AT COLLAR: | BEARING AT COLLAR: | MAG/GRID

SAMPLE TYPE: | FIELD ENTRY BY: | DATE: / /

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

PROSPECT OR PROJECT: NEHALEWOOD | AREA OR GRID NAME:

LINE No.: | LOCATION ON LINE OR HOLE NUMBER: BRP 32 | LOG PAGE 2 OF 3

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

[redacted] THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY

METALS EXPLORATION LIMITED

720345

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
50.0	51.0	1.0	as above.	720536	<2	0	3	7	2	6	6	.14	.08
51.0	52.0	1.0	as above										
			52m = End of hole.										

MAP, AIR PHOTO OR DRAWING No

LOGGED BY | MACHINE | INCLINATION AT COLLAR | BEARING AT COLLAR | MAG./GRID

SAMPLE TYPE | FIELD ENTRY BY | DATE / /

CHECK SAMPLE

LAB. NOTES | CHEMIST | DATE / /

PROSPECT OR PROJECT: HERZLEWOOD | AREA OR GRID NAME

LINE No. | LOCATION ON LINE OR HOLE NUMBER: BRP 32 | LOG PAGE 3 OF 3

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

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FIELD ENTRY

METALS EXPLORATION LIMITED

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN ppb UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	At	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
0	2.0	2.0	Strongly weathered serpentinite, medium-grey-blue grey. (Iron after olivine).	724537	<2	1	3	3	2	5	4	.09	.07
2.0	3.0	1.0	Strongly weath. serp 20% white crystalline gyp. Serp. vein material.										
3.0	4.0	1.0	Similar. - mosaic replacement texture common pseudomorphs / frags not magnetic										
4.0	5.0	1.0	Serpentinised olivine 1-2% mgt. to clay.	724538	<2	3	5	9	3	6	5	.01	.05
5.0	6.0	1.0	Similar.										
6.0	7.0	1.0	Similar.										
7.0	8.0	1.0	90% ol. 10% px.	724539	<2	1	4	4	2	7	4	.09	.10
8.0	9.0	1.0	Similar.										
9.0	10.0	1.0	Similar - 20% serp. 0.1% mgt - to clay										
10.0	11.0	1.0	Similar mosaic replacement of ol. by serp. - 20% black serp. to / vein serp.	724540	<2	1	6	6	2	7	4	.08	.05
11.0	12.0	1.0	Harzburgite 3%; 20% serp. ol.										
12.0	13.0	1.0	50:50 px : serp ol. 1-2% mgt. to clay.										
13.0	14.0	1.0	Similar.	724541	<2	1	10	7	2	7	4	.11	.05
14.0	15.0	1.0	Serp. chunks. 90% serp ol. ; 10% px.										
15.0	16.0	1.0	Similar.										
16.0	17.0	1.0	Increase in serp. + bastite px. vein serp.	724542	<2	2	5	4	2	7	4	.13	.06
17.0	18.0	1.0	Similar to (15-16). 1% mgt ; 1% clay.										
18.0	19.0	1.0	100% serp ol. mod. magnetic brown inclusions.										
19.0	20.0	1.0	decrease in serp. ol. only slightly serp. to vein serp.	724543	<2	1	4	5	2	8	4	.05	.07
20.0	21.0	1.0	Similar.										
21.0	22.0	1.0	Similar.										
22.0	23.0	1.0	Similar. 90% serp ol. 10% px. 1-2% mgt. 1% clay.	724544	<2	1	5	5	3	8	2	.06	.07
23.0	24.0	1.0	Similar - to vein serp.										
24.0	25.0	1.0	Similar 100% serp ol. (ol. serp).	724545									
25.0	26.0	1.0	Similar.		<2	1	5	3	2	7	4	.11	.07
26.0	27.0	1.0	100% ol. (Lightly serp) to vein serp. 2% mgt.										

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: J. KEALL / P. SIMPSON | MACHINE: ROC 601 | INCLINATION AT COLLAR: −45° | BEARING AT COLLAR: 180 | MAG./GRID

SAMPLE TYPE: | FIELD ENTRY BY: | DATE: 19/6/88

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: BRASSEY

LINE No: B-B' | LOCATION ON LINE OR HOLE NUMBER: BRF 33 | LOG PAGE 1 OF 4

CHECK SAMPLE

LAB NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/0

[redacted] THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY

METALS EXPLORATION LIMITED

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THIS IS A MULTI-DISPOSAL ...

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	Au	At	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
			RESULTS IN ~~PPM~~ ppb. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT										
27.0	28.0	1.0	Similar.											
28.0	29.0	1.0	Similar mod. serp^{n} 5% vein serp.		724546									
29.0	30.0	1.0	Similar.	J.K		2	1	4	5	3	7	4	.18	.11
30.0	31.0	1.0	Similar. 2% mgt, tr clin.											
31.0	32.0	1.0	As above. tr clin.	(90)	724547	2	2	3	4	1	5	2	.17	.10
32.0	33.0	1.0	" "	(100) JS										
33.0	34.0	1.0	As above. remobly serp^{n}. v rare clin.	(100)										
34.0	35.0	1.0	As above. " " dunite ll. to dk gn. tr clin.	(75)	724548	<2	6	6	3	2	8	4	.07	.05
35.0	36.0	1.0	As above but with tr felsic in matrix tr clin.	(80)										
36.0	37.0	1.0	As above. tr serp. felsic, 1% bastolite tr clin.	(20)										
37.0	38.0	1.0	As above. - largely serp^{n} dunite sparsely to mod. tr clin.	(40)	724549	<2	2	4	8	3	8	4	.18	.10
38.0	39.0	1.0	As above. tr clin.	(70)										
39.0	40.0	1.0	As above. with tr mb. / clin	(70)										
40.0	41.0	1.0	As above. tr clin.	(70)	724550	<2	4	3	8	3	13	8	.17	.12
41.0	42.0	1.0	Serp^{n} dunite mod grey alt^{n} 3:1, 1% gn felsic	(100)										
42.0	43.0	1.0	As above. tr clin.	(100)										
43.0	44.0	1.0	" "	(100)	724551	<2	3	4	6	2	7	4	.17	.08
44.0	45.0	1.0	" "	(100)										
45.0	46.0	1.0	" "	(70)										
46.0	47.0	1.0	" tr bastolite "	(100)	724552	2	3	4	12	4	7	10	.17	.06
47.0	48.0	1.0	" " "	(100)										
48.0	49.0	1.0	" tr serp. "	(100)										
49.0	50.0	1.0	" " "	(100)	724553	<2	3	5	11	3	10	6	.17	.09
50.0	51.0	1.0	Green-dk-grey f. gr. serp^{n} dunite tr clin.	(60)										
51.0	52.0	1.0	As above. tr clin.	(70)										
52.0	53.0	1.0	As above. tr clin.	(100)	724554	<2	3	3	10	2	9	6	.15	.08
53.0	54.0	1.0	" "	(100)										

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: HEAZLEWOOD AREA OR GRID NAME:

LINE No: LOCATION ON LINE OR HOLE NUMBER: BRP 33 LOG PAGE 2 OF 4

CHECK SAMPLE

LAB. NOTES: CHEMIST:

DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of 4 10

[redacted] SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY 33

METALS EXPLORATION LIMITED

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
1	54.0	55.0	1.0	As above.	to sap/clay.	(60)										
2	55.0	56.0	1.0	As above.	" "	(80)	724555	<2	3	4	10	2	8	5	.19	.13
3	56.0	57.0	1.0	" "	" "	(60)										
4	57.0	59.0	1.0	" "	" "	(60)										
5	58.0	59.0	1.0	As above.	to clay.	(100)	724556	<2	2	3	11	3	8	6	.19	.13
6	59.0	60.0	1.0	"	"	(100)										
7	60.0	61.0	1.0	Mod gn-grey f-gr. sap & dunite	to clay.	(70)										
8	61.0	62.0	1.0	As above	to clay.	(60)	724557	<2	2	5	9	2	12	8	.19	.12
9	62.0	63.0	1.0	"	"	(100)										
10	63.0	64.0	1.0	"	"	(90)										
11	64.0	65.0	1.0	"	"	(100)	724558	<2	4	6	12	3	9	6	.18	.13
12	65.0	66.0	1.0	"	"	(100)										
13	66.0	67.0	1.0	"	"	(100)										
14	67.0	68.0	1.0	"	"	(100)	724559	<2	3	5	10	3	8	4	.19	.13
15	68.0	69.0	1.0	"	"	(100)										
16	69.0	70.0	1.0	"	"	(70)										
17	70.0	71.0	1.0	As above.	to clay.	(80)	724560	<2	3	4	9	3	10	6	.18	.09
18	71.0	72.0	1.0	" "	"	(100)										
19	72.0	73.0	1.0	" "	"	(100)										
20	73.0	74.0	1.0	" "	"	(100)	724561	4	2	2	9	4	10	6	.17	.09
22	74.0	75.0	1.0	" "	"	(100)										
22	75.0	76.0	1.0	" "	"	(80)										
23	76.0	77.0	1.0	" "	Lenghly serpentine "	(100)	724562	<2	4	8	13	4	5	12	.16	.10
24	77.0	78.0	1.0	" "	" " "	(100)										
25	78.0	79.0	1.0	" "	" " "	(100)										
26	79.0	80.0	1.0	" "	minor clay.	(100)	724563	2	2	6	9	3	9	4	16	10
27	80.0	81.0	1.0	" "	to clay.	(100)										
28	81.0	82.0	1.0	As above. to sap, clay		(70)										
29	82.0	83.0	1.0	" "	to fold / clay.	(90)	724564	2	2	4	11	3	9	4	.13	.09
30	83.0	84.0	1.0	" "	to sap. / clay.	(100)										

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: HAZLEWOOD AREA OR GRID NAME:

LINE No: LOCATION ON LINE OR HOLE NUMBER: BRP 33 LOG PAGE 3 OF 4

CHECK SAMPLE

LAB. NOTES: CHEMIST: DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/N

[redacted] FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY

METALS EXPLORATION LIMITED

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
84.0	85.0	1.0	As above to sulp (clay)	(100)										
85.0	86.0	1.0	Greenish-grey f.gr. sulp" dissem to sulp/clay.	(100)	724565	2	3	4	8	2	9	7	.12	.01
86.0	87.0	1.0	As above to clay.	(100)										
87.0	88.0	1.0	" "	(100)										
88.0	89.0	1.0	" to qzb, clay.	(70)	724566	<2	2	4	8	3	7	4	.11	.01
89.0	90.0	1.0	" to qzb, clay.	(100)										
90.0	91.0	1.0	" to clay.	(100)										
91.0	92.0	1.0	" to clay, to sulp.	(100)	724567	<2	3	6	13	4	11	10	.13	.01
92.0	93.0	1.0	" " "	(100)										
93.0	94.0	1.0	" " "	(100)	724568	<2	3	3	8	3	9	4	.12	.01
94.0	95.0	1.0	" " "	(100)										

95 m = End of Hole.

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 BRP 33 | LOG PAGE 4 OF 4

CHECK SAMPLE

LAB. NOTES | CHEMIST | DATE / /

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

[redacted] — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY

METALS EXPLORATION LIMITED

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
1	0	2.0	2.0	Mod grey-gn f-gr. serp^{n} dunite. tr chr. (30)											
2	2.0	3.0	1.0	As above. tr chr. (30)		724784	<2	0	1	6	1	0	<2	.16	.18
3	3.0	4.0	1.0	As above. tr chr. (30)											
4	4.0	5.0	1.0	NO samples.		724785	<2	1	2	6	2	1	<2	.14	.17
5	5.0	6.0	1.0	F.gr. grey-gn serp dunite tr chr. (100)											
6	6.0	7.0	1.0	" " " (100)											
7	7.0	8.0	1.0	Dunite 95%. Ann-Hornite 5% tr chr. (100)		724786	<2	1	1	6	2	2	3	.08	.17
8	8.0	9.0	1.0	As above. (100)											
9	9.0	10.0	1.0	Dunite 100%. tr chr. (90)											
10	10.0	11.0	1.0	As above. " (100)		724787	2	21	2	7	3	2	<2	.07	.11
11	11.0	12.0	1.0	" " " (100)											
12	12.0	13.0	1.0	" " " (100)											
13	13.0	14.0	1.0	" " v. rare chr. (100)		724788	<2	8	3	12	3	4	4	.07	.11
14	14.0	15.0	1.0	" " " " (100)											
15	15.0	16.0	1.0	" " Harder drilling. tr chr. (90)											
16	16.0	17.0	1.0	" " 1% feldspar tr serp. tr chr. (90)		724789	4	21	4	5	3	4	4	.07	.05
17	17.0	18.0	1.0	" " 0.5% feld. " " (100)											
18	18.0	19.0	1.0	As above. v. rare chr. (100)											
19	19.0	20.0	1.0	Dunite 90% granular anor-Hornite 10% v rare chr. (100)		724790	6	30	3	12	4	6	6	.07	.06
20	20.0	21.0	1.0	Dunite 98%; 2% feldspar as diss. v.r. chr. (100)											
21	21.0	22.0	1.0	As above. tr feldspar. (100)											
22	22.0	23.0	1.0	" " " tr chr. (100)		724791	4	37	3	4	3	4	4	.07	.05
23	23.0	24.0	1.0	As above. 2% feld. " (100)											
24	24.0	25.0	1.0	" " " (100)											
25	25.0	26.0	1.0	" 1% feld " (100)		724792	<2	23	2	9	3	3	<2	.06	.06
26	26.0	27.0	1.0	Pale gn serp 60% dk gn serp^{n} dunite 39% tr feld / chr. (100)											
27	27.0	28.0	1.0	Dunite 98% feld 2% tr serp. tr chr. (100)											
28	28.0	29.0	1.0	" " " " (100)		724793	<2	31	3	5	3	5	4	.07	.07
29	29.0	30.0	1.0	Dunite 95%; 5% feld diss. tr chr. (100)											

CHECK SAMPLE

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D. SIMPSON | MACHINE: RDC 601 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 175° MAG./~~GRID~~

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 1/16/88

LAB. NOTES: | CHEMIST: | DATE: / /

PROSPECT OR PROJECT: HEARLEWOOD | AREA OR GRID NAME: BRASSEY

LINE No: B-B' | LOCATION ON LINE OR HOLE NUMBER: BRP 34 | LOG PAGE 1 OF 2

LOG & ANALYTICAL REPORT Sheet No. of A/0

THIS IS A MULTI-PURPOSE CROSS CHECK [illegible]

[redacted] PLE[redacted]ATIO[redacted]TAILS [redacted] HIGHEST CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY

METALS EXPLORATION LIMITED

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN ppm UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
30.0	31.0	1.0	Serp dunite 70%. lt.gn serp 30% tr feld. No talc (100)											
31.0	32.0	1.0	Serp dunite 90% lt gn serp 5% feld. 5% v rare talc (100)	724794	16	13	3	9	3	5	4	.04	.07
32.0	33.0	1.0	Serp dunite 90% serp. 10% tr feld. No talc. (100)											
33.0	34.0	1.0	As above No talc (100)											
34.0	35.0	1.0	Pale to dark gn serp 50%; serp dunite 20% tr feld. v. rare chr. (100)	724795	<2	11	4	3	3	5	2	.04	.06
35.0	36.0	1.0	Serp dunite 50% serp 50%. tr feld. No talc. (100)											
36.0	37.0	1.0	Lt gn serp 80%: dk gn serp" dunite 20% No talc (100)											
37.0	38.0	1.0	Serp dunite 70% serp. 30% tr feld. No talc (100)	724796	<2	8	3	9	3	6	4	.07	.08
38.0	39.0	1.0	Serp dunite 100% tr cab. fibres to 10 mm. tr chr. (100)											
39.0	40.0	1.0	Serp dunite tr chr/ cab. (100)											
40.0	41.0	1.0	" " " " (100)	724797	4	7	3	14	3	5	4	14	.08
41.0	42.0	1.0	As above. tr serp. / chr. tr cab (100)											
42.0	43.0	1.0	As above. tr chr (100)											
43.0	44.0	1.0	As above. tr chr. (100)	724798	12	6	3	6	3	3	4	13	.07
44.0	45.0	1.0	Pk. gn. f.gr. serp" dunite rare calcite / tr chr. (100)											
45.0	46.0	1.0	As above tr calcite / chr. (100)											
46.0	47.0	1.0	" " tr chr. (100)	724799	<2	5	3	19	3	3	<2	.15	.08
47.0	48.0	1.0	As above. 10% serp lt gn tr chr (100)											
48.0	49.0	1.0	" " tr feld, chr. (100)											
49.0	50.0	1.0	" " tr serp / chr (100)	724800	<2	3	3	7	3	2	<2	.17	.08
50.0	51.0	1.0	" " " " (100)											
51.0	52.0	1.0	As above. tr serp / calcite / chr. (100)											
52.0	53.0	1.0	As above. " " " (100)	724801	<2	3	2	9	3	3	3	.18	.08
53.0	54.0	1.0	" " " " (100)											
54.0	55.0	1.0	" " " " (90)											
			55 m = End of hole											

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY:

MACHINE:

INCLINATION AT COLLAR: -45°

BEARING AT COLLAR: 175° MAG./GRID

SAMPLE TYPE:

FIELD ENTRY BY:

DATE: / /

PROSPECT OR PROJECT: HEAZLEWOOD

AREA OR GRID NAME:

LINE No.:

LOCATION ON LINE OR HOLE NUMBER: BRP 34

LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES:

CHEMIST:

DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/C

THIS IS A MULTI-BIDDER EASY ... [illegible]

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FIELD ENTRY / EN.

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
0.0	7.0	7.0	No return	—									
7.0	8.0	1.0	Ult. dk. gn/gy f. gr. dunite tr chr. (20)	724803	4	5	2	14	3	38	32	.17	.09
8.0	9.0	1.0	As above tr chr. (40)										
9.0	10.0	1.0	As above. tr Serp tr chr. (70)										
10.0	11.0	1.0	As above. " " " (60)	724804	<2	2	2	9	4	8	6	.17	.09
11.0	12.0	1.0	As above. " " " (40)										
12.0	13.0	1.0	As above. sl. wth. tr chr. (10)										
13.0	14.0	1.0	As above. tr chr. (30)	724805	8	2	2	13	3	8	4	.15	.07
14.0	15.0	1.0	Pk gn. alt dunite 80%; pale gn. to whitish serp alt. dunite tr chr. (50)										
15.0	16.0	1.0	As above. tr chr. (60)										
16.0	17.0	1.0	As for (14-15) tr chr. (50)	724806	<2	3	3	9	3	5	4	.17	.09
17.0	18.0	1.0	As above.										
18.0	19.0	1.0	Dunite 70% Serp lt. gn 20% tractolite 10% tr chr. (60)										
19.0	20.0	1.0	Dunite 95% 5% Serp tr chr. (60)	724807	<2	3	3	11	4	5	6	.15	.11
20.0	21.0	1.0	" " " (60)										
21.0	22.0	1.0	" " " (80)										
22.0	23.0	1.0	" " " (80)	724808	<2	4	3	13	3	2	4	.16	.12
23.0	24.0	1.0	Serpentinised dunite tr chr. (80)										
24.0	25.0	1.0	Serp^d dunite tr chr. (100)										
25.0	26.0	1.0	" " " (100)	724809	<2	3	3	9	4	6	4	.16	.14
26.0	27.0	1.0	" " 100% tr. Serp or frac. tr chr. (100)										
27.0	28.0	1.0	As above " (100)										
28.0	29.0	1.0	" " (100)	724810	4	3	3	13	3	4	4	.16	.11
29.0	30.0	1.0	" " (100)										
30.0	31.0	1.0	" tr fold, chr. (100)	724811	<2	2	2	8	3	2	<2	.16	.12
31.0	32.0	1.0	" " " (100)										
32.0	33.0	1.0	" tr Serp, chr. (100)										

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY D SIMPSON | MACHINE ROC 601 | INCLINATION AT COLLAR -45° | BEARING AT COLLAR 345 MAG./GRID

SAMPLE TYPE PERCUSSION CHIP | FIELD ENTRY BY | DATE 2/6/88

PROSPECT OR PROJECT HEAZLEWOOD | AREA OR GRID NAME ERP55E

LINE No. | LOCATION ON LINE OR HOLE NUMBER ERP 55 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A 10

THIS IS A VALUABLE DOCUMENT

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN p.p.b. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
33.0	34.0	1.0	As above	to seap, minor clay.	(100) 724812	<2	2	3	12	3	4	<2	·18	·11
34.0	35.0	1.0	Pk. gn. f.gr. part. seap[d] olivine trace, to clay.		(100)									
35.0	36.0	1.0	As above with to seap on fractures to clay.		(100)									
36.0	37.0	1.0	As above.	to clay.	(100) 724813	<2	2	3	9	4	3	4	·16	·09
37.0	38.0	1.0	As above.	to seap, to clay.	(100)									
38.0	39.0	1.0	As above. 5% seap. to clay.		(100)									
39.0	40.0	1.0	"	to seap, clay.	(100) 724814	<2	2	2	12	3	2	<2	·18	·09
40.0	41.0	1.0	"	to calcite, seap, clay.	(100)									
41.0	42.0	1.0	"	" " "	(100)									
42.0	43.0	1.0	As above.	to clay.	(100) 724815	<2	2	2	8	3	2	<2	·16	·11
43.0	44.0	1.0	"	"	(100)									
44.0	45.0	1.0	"	"	(100)									
45.0	46.0	1.0	"	"	(100)									
46.0	47.0	1.0	"	"	(100) 724816	<2	2	2	10	3	2	<2	·17	·11
47.0	48.0	1.0	"	"	(100)									
48.0	49.0	1.0	"	"	(100) 724817	<2	2	2	8	3	1	<2	·16	·11

L19m = End of hole.

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY D SIMPSON | MACHINE: | INCLINATION AT COLLAR: | BEARING AT COLLAR: | MAG./GRID

SAMPLE TYPE: | FIELD ENTRY BY: | DATE: / /

PROSPECT OR PROJECT: HERZLEWOOD | AREA OR GRID NAME:

LINE No: | LOCATION ON LINE OR HOLE NUMBER: BRP 35 | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. 2 of 2 10

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FIELD ENTRY / EN

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN ppb UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
1	0	3.0	3.0	Wth. khaki to lon † gr. dunite tr chr. (20)	724767	<2	2	2	11	3	4	4	.22	.14
2														
3	3.0	4.0	1.0	As above. tr chr. (20)										
4	4.0	5.0	1.0	As above tr chr. (100)	724768	<2	2	2	16	3	3	4	.19	.12
5	5.0	6.0	1.0	As above wth. " (100)										
6	6.0	7.0	1.0	V. weath. dunite + tr anorthosite tr chr. (50)										
7	7.0	8.0	1.0	Fractured pale gn to creamy anorthosite 90%	724769	<2	5	4	14	3	6	8	.17	.12
8				10% dk gn. dunite (90)										
9	8.0	9.0	1.0	Wth. alt. dunite 80% anorthosite 20% minor chr. (150)										
10	9.0	10.0	1.0	Wth. dunite 95% anorthosite 5% tr chr. (70)	724770	<2	2	1	14	3	1	4	.18	.14
11	10.0	11.0	1.0	Patchy serp. dunite (mostly) " (100)										
12	11.0	12.0	1.0	Patchy " " 90%, Serp 20% tr chr (100)										
13	12.0	13.0	1.0	As above; some thin veinlets of serp. " (80)	724771	<2	2	2	22	3	6	8	.17	.12
14	13.0	14.0	1.0	As above. v. rare chr. (50)										
15	14.0	15.0	1.0	Patchy serp dunite - mostly fresh tr chr. (100)										
16	15.0	16.0	1.0	Fresh f. gr dk. gn. dunite pcd serp tr chr. (90)										
17	16.0	17.0	1.0	" " " (90)	724772	<2	2	2	11	3	4	4	.17	.13
18	17.0	18.0	1.0	" " " (100)										
19	18.0	19.0	1.0	As above. " (100)										
20	19.0	20.0	1.0	Dunite 90%; gamet-ian anorthosite 10% v. rare chr. (60)	724773	<2	1	2	17	2	3	4	.17	.11
21	20.0	21.0	1.0	As above. tr anorthosite tr chr. (70)										
22	21.0	22.0	1.0	" No anorthosite " (120)										
23	22.0	23.0	1.0	" " (60)	724774	<2	2	1	8	2	2	2	.17	.11
24	23.0	24.0	1.0	" v. rare chr (60)										
25	24.0	25.0	1.0	" " (60)										
26	25.0	26.0	1.0	" " (40)	724775	<2	2	2	20	3	8	10	.17	.12
27	26.0	27.0	1.0	As above mtk to. Serp. tr chr (50)										
28	27.0	28.0	1.0	" tr chr. (80)										
29	28.0	29.0	1.0	" " (80)	724776	<2	2	1	9	2	3	3	.17	.14
30	29.0	30.0	1.0	" " (80)										

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D. SIMPSON | MACHINE: ROC 601 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 215 MAG. ~~GRID~~

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 25/6/88

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: BRASSEY

LINE No: D-D1 | LOCATION ON LINE OR HOLE NUMBER: BRP 2E | LOG PAGE 1 OF 2.

CHECK SAMPLE

LAB NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No.... of 4.10

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FIELD ENTRY EN

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN ppb UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
30.0	31.0	1.0	As above to samp. trace. (60)										
31.0	32.0	1.0	As above. to samp on fract. zone calcite fragments. to abn. (40)	724777	<2	1	1	7	2	2	<2	.16	.11
32.0	33.0	1.0	As above. to abn. (40)										
33.0	34.0	1.0	As above. " (30)										
34.0	35.0	1.0	As above. (contaminated sample) trace. (50)	724778	<2	1	1	11	2	5	6	.16	.11
35.0	36.0	1.0	As above. (contaminated sample) " (150)										
36.0	37.0	1.0	Partly samp diorite, to samp, abn. (90)										
37.0	38.0	1.0	As above. trace. (90)	724779	<2	3	3	12	3	3	4	.17	.12
38.0	39.0	1.0	As above. trace/abn. (100)										
39.0	40.0	1.0	As above. to samp, 1% asb. to abn. (100)										
40.0	41.0	1.0	As above. to samp., to asb/abn. (100)	724780	<2	2	2	18	3	7	6	.17	.11
41.0	42.0	1.0	As above. to samp. / abn. (100)										
42.0	43.0	1.0	Similar to above., to samp / abn. (100)										
43.0	44.0	1.0	Dk gn. diorite 50%, dk gn to chloritic amphibolite 50%, to samp / abn. (100)	724781	<2	2	3	11	3	2	<2	.16	.10
44.0	45.0	1.0	Dk gn. diorite 90% dk gn to chloritic amphibolite 10% to abn. (90)										
45.0	46.0	1.0	As above. dust 2% feld. to abn. (100)										
46.0	47.0	1.0	As above. with 2% feld. to abn. (100)	724782	<2	0	0	7	1	0	<2	.16	.10
47.0	48.0	1.0	As above. 1% feld. to abn. (100)										
48.0	49.0	1.0	As above. to feld. (100)										
49.0	50.0	1.0	As above. to feld, minor samp, trace. (100)	724783	<2	1	1	8	1	0	<2	.16	.09
50.0	51.0	1.0	" " " " " (100)										
51.0	52.0	1.0	As above. minor samp. trace/feld. (150)	[redacted]									
			52m = End of hole.										

CHECK SAMPLE

MAP, AIR PHOTO OR DRAWING No.

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

SAMPLE TYPE: FIELD ENTRY BY: DATE: / /

LAB. NOTES: CHEMIST: DATE: / /

PROSPECT OR PROJECT: HEAZLEWOOD AREA OR GRID NAME:

LINE No: DD' LOCATION OF LINE OR HOLE NUMBER: BRP 36 LOG PAGE 2 OF 2

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

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FIELD ENTRY

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY	SAMPLE NUMBER	Au ppm	At ppm	Pd ppm	Ru ppm	Rh ppm	Ir ppm	Os ppm	Ni %	Cr %
1	0	3.0	3.0	F.gr. gn/bm dunite with tr. serp to clay	(10)	724623	<2	4	2	11	4	3	4	.19	.17
2															
3	3.0	4.0	1.0	As above.	tr clay (30)	724624	<2	3	3	9	3	3	4	.21	.11
4	4.0	5.0	1.0	No sample.	(0)										
5	5.0	6.0	1.0	As for (0-3)	tr clay. (100)										
6	6.0	7.0	1.0	As above.	tr clay/steat. (100)	724625	<2	2	1	11	4	3	4	.21	.12
7	7.0	8.0	1.0	As above.	tr ank / clay (100)										
8	8.0	9.0	1.0	As above.	tr clay (100)										
9	9.0	10.0	1.0	As above.	(100)										
10	10.0	11.0	1.0	As above.	minor clay. (100)	724626	4	7	10	11	5	4	6	.21	.12
11	11.0	12.0	1.0	Dk. to lt. gn. serp. 80%; 20% dk gn dunite											
12				tr ank, clay, steat.	(100)										
13	12.0	13.0	1.0	Variably serp.d dunite 80%; dunite 20%											
14				tr clay; v. rare steat.	(100)	724627	<2	2	3	10	4	4	4	.20	.12
15	13.0	14.0	1.0	Serp.d dunite 95%; serp. 5%	tr clay (100)										
16	14.0	15.0	1.0	As above.	tr clay (100)										
17	15.0	16.0	1.0	As above.	v. rare clay (50)	724628	<2	2	3	11	3	5	4	.18	.13
18	16.0	17.0	1.0	"	tr clay. (100)										
19	17.0	18.0	1.0	"	" (100)										
20	18.0	19.0	1.0	"	" (30)										
21	19.0	20.0	1.0	Dk. gn. f.gr. dunite 98%; 2% lt gn. serp.		724629	<2	2	3	10	3	4	4	.19	.14
22				tr clay.	(100)										
23	20.0	21.0	1.0	As above.	tr clay. (100)										
24	21.0	22.0	1.0	"	" (100)										
25	22.0	23.0	1.0	"	tr ank/clay (100)	724630	<2	2	3	11	3	3	4	.20	.12
26	23.0	24.0	1.0	"	" (100)										
27	24.0	25.0	1.0	"	tr clay; v. rare steat. (100)										
28	25.0	26.0	1.0	"	tr clay (100)	724631	<2	4	3	9	3	3	4	.17	.08
29	26.0	27.0	1.0	Serp.d dunite 90%; pale gn serp 10% tr clay.	(100)										
30															

RESULTS IN ~~P.P.M.~~ UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: D. SIMPSON | MACHINE: ROC 601 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 085 | MAG./GRID

SAMPLE TYPE: | FIELD ENTRY BY: | DATE: 86 188

PROSPECT OR PROJECT: HERZLEWOOD | AREA OR GRID NAME: BRASSEY

LINE No: | LOCATION ON LINE OR HOLE NUMBER: BKP 37 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

THIS IS A MULTI-PURPOSE FORM [illegible]

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FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN PPB UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
27.0	28.0	1.0	As above.	tr chr.	(100)										
28.0	29.0	1.0	As above.	tr chr/carb	(100)	724633	<2	2	3	8	3	3	4	.18	.10
29.0	30.0	1.0	" "	" "	(100)										
30.0	31.0	1.0	" "	tr chr.	(100)	724634	<2	9	3	10	3	3	4	.19	.10
31.0	32.0	1.0	" "	"	(100)										
32.0	33.0	1.0	As above mtk 5-10% serp tr chr		(100)										
33.0	34.0	1.0	As above	tr serp. tr chr.	(100)	724635	<2	2	3	10	3	5	4	.19	.10
34.0	35.0	1.0	As above	tr chr	(100)										
35.0	36.0	1.0	"	"	(100)										
36.0	37.0	1.0	"	"	(100)										
37.0	38.0	1.0	Pk. gn. f. gr. chunk/frag serp all. tr serp(vein) tr chr.		(100)	724636	<2	2	3	11	4	4	4	.19	.11
38.0	39.0	1.0	" " "	" " "	(100)										
39.0	40.0	1.0	As above.	tr chr.	(100)	724637	<2	2	3	8	3	3	4	.19	.12
40.0	41.0	1.0	" "	"	(100)										
41.0	42.0	1.0	As above.		(100)										
42.0	43.0	1.0	As above.	tr serp/chr.	(100)										
43.0	44.0	1.0	As above.	tr chr, v. rare ngl v. rare shell	(100)	724638	<2	2	3	9	3	4	4	.18	.12
44.0	45.0	1.0	"	" " "	(100)										
45.0	46.0	1.0	"	" "	(100)										
46.0	47.0	1.0	"	tr chr.	(100)	724639	<2	3	3	10	3	6	4	.18	.11
47.0	48.0	1.0	"	"	(100)										
48.0	49.0	1.0	"	tr calcite / tr chr.	(60)										
49.0	50.0	1.0	"	tr chr.	(100)	724640	<2	3	3	10	3	4	4	.19	.10
50.0	51.0	1.0	"	"	(100)										
51.0	52.0	1.0	"	"	(100)	724641	<2	3	4	10	3	5	4	.19	.16
			52m = End of hole.												

AAP, AIR PHOTO OR DRAWING No.

LOGGED BY | MACHINE | INCLINATION AT COLLAR | BEARING AT COLLAR | MAG./GRID

SAMPLE TYPE | FIELD ENTRY BY | DATE / /

CHECK SAMPLE

LAB. NOTES | CHEMIST | DATE / /

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME

LINE No.: D-D' | LOCATION ON LINE OR HOLE NUMBER: BRP 37 | LOG PAGE 2 OF 2

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

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FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN PPM UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
0	2.0	2.0	F. gr. gn/gy to brn weathered dunite ± serp. to clay (80)	724642	<2	4	5	10	4	4	4	.17	.09
2.0	3.0	1.0	As above to clay. (90)										
3.0	4.0	1.0	As above. to clay (50)										
4.0	5.0	1.0	As above. Chl/ actin. (60)	724643	<2	4	3	12	4	5	4	.21	.12
			Some contamination from cyclone.										
5.0	6.0	1.0	Talc to dark gn serp 80%; 15% dunite 5% ank, to clay. (100)										
6.0	7.0	1.0	F. gr. with dunite 80%, 20% serp to ank / clay. (100)	724644	<2	3	3	12	4	5	4	.21	.17
7.0	8.0	1.0	As above. to clay. (100)										
8.0	9.0	1.0	As above to clay (100)										
9.0	10.0	1.0	Part weath, part serp dunite to serp/clay (100)										
10.0	11.0	1.0	As above. to clay. (100)	724645	<2	3	4	10	3	5	30	.17	.15
11.0	[redacted]	1.0	Part weath. dunite, serp dunite to clay/ank. (100)										
12.0	13.0	1.0	As above minor clay. (100)										
13.0	14.0	1.0	As above to clay. (100)	724646	<2	5	4	13	4	22	4	.18	.16
14.0	15.0	1.0	As above. to clay (100)										
15.0	16.0	1.0	Serpentinite 90% dunite 10% to clay (100)										
16.0	17.0	1.0	Serpentinite 80% dunite 5% to clay (100)	724647	<2	3	3	12	3	3	4	.18	.15
17.0	18.0	1.0	Serpentinite 80% to clay (100)										
18.0	19.0		Serpentinite 95%. to clay (100)	724648	<2	3	2	8	3	4	4	.20	.11
19.0	20.0	1.0	As above. to clay (90)										
20.0	21.0	1.0	As above to clay. (100)										
21.0	22.0	1.0	Dk gn f. gr. part serp dunite to clay. (70)										
22.0	23.0	1.0	As above to serp, ank, clay. (100)	724649	<2	3	3	10	3	4	4	.18	.16
23.0	24.0	1.0	As above to serp, ank, clay. (100)										
24.0	25.0	1.0	As above to clay (70)										
25.0	26.0	1.0	As above. to clay (100)	724650	<2	4	3	13	4	4	6	.19	.13

MAP, AIR PHOTO OR DRAWING No.

Figures in brackets are % recoveries

LOGGED BY: D SIMPSON | MACHINE: ROC 601 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 200 MAG./GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: D. SIMPSON | DATE: 27/6/88

PROSPECT OR PROJECT: HERZLEWOOD | AREA OR GRID NAME: BRASSEY

LINE No: | LOCATION ON LINE OR HOLE NUMBER: BRP 38 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/0

[redacted] THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY

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THIS IS A MULTI-RIBBON FORM

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV GEOL. DESCRIPTION	ASSAY SUMMARY	SAMPLE NUMBER	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
			RESULTS IN P.P.M UNLESS OTHERWISE STATED; X= BELOW DETECTION LIMIT											
26.0	27.0	1.0	Dark gn. dunite 60% Pale gn serp 40% tr calc.	(100)	725650									
27.0	28.0	1.0	Dark gn. dunite 100%	tr clay. (100)										
28.0	29.0	1.0	As above.	tr clay (100)	725651	<2	4	4	8	3	5	6	.19	.07
29.0	30.0	1.0	Dunite 90% Serp 10%	tr clay (100)										
30.0	31.0	1.0	Dunite 95% Serp 5%	tr clay. (100)										
31.0	32.0	1.0	As above.	(30)	725652	<2	3	3	9	3	5	4	.18	.14
32.0	33.0	1.0	As above.	(50)										
33.0	34.0	1.0	Partly serpentinized dunite	tr clay. (40)										
34.0	35.0	1.0	Partly serpentinized dunite 95%		725653	<2	3	3	10	4	3	4	.18	.16
			Blue-gn serp 5%	tr clay. (60)										
35.0	36.0	1.0	As above.	tr calcite, serp / clay. (80)										
36.0	37.0	1.0	As above.	tr clay. (70)										
37.0	38.0	1.0	As above	tr clay. (60)	725654	<2	3	2	10	3	3	4	.19	.15
38.0	39.0	1.0	As above.	tr clay. (90)										
39.0	40.0	1.0	" "	" (90)										
40.0	41.0	1.0	" "	" (100)	725655	<2	3	5	10	3	5	4	.20	.12
41.0	42.0	1.0	As above. serp.	tr clay (100)										
42.0	43.0	1.0	As above.	tr clay / serp. (100)										
43.0	44.0	1.0	As above	tr serp clay. (100)	725656	<2	22	4	15	4	7	10	.20	.11
44.0	45.0	1.0	As above.	tr serp. / clay. (100)										
45.0	46.0	1.0	As above.	tr serp clay. (100)										
46.0	47.0	1.0	As above	" " (100)	725657	<2	2	2	9	3	3	4	.21	.09
47.0	48.0	1.0	As above.	tr serp, calcite veins / clay. (100)										
48.0	49.0	1.0	As above.	tr clay. (90)										
49.0	50.0	1.0	As above.	tr clay. (80)	725658	<2	3	5	10	4	6	6		
50.0	51.0	1.0	As above	tr calcite / clay. (70)									.18	.09
51.0	52.0	1.0	As above.	tr calcite, serp clay. (80)	725659	<2	3	4	8	3	3	4	.20	.11
			Hole complete 52m.											

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: BRP 39 | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST | DATE: / /

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

[redacted] THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY

METALS EXPLORATION LIMITED

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RESULTS IN ppb UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cu %
1	0	3.0	3.0	Wth. f.gr. gn/brn to khaki dunite	tr clr. (10)	724660	<2	3	4	12	4	6	4	.23	.10
2	3.0	4.0	1.0	As above.	(30)										
3	4.0	5.0	1.0	No sample	(0)	724661	<2	3	4	10	4	4	4	.18	.09
4	5.0	6.0	1.0	Very weath. f.gr. d. gn. to brown dunite											
5					tr clr. (90)										
6	6.0	7.0	1.0	Wth. dunite as above.	(100)	724662	<2	3	3	10	3	5	6	.20	.08
7	7.0	8.0	1.0	As above.	tr clr. (100)										
8	8.0	9.0	1.0	As above.	tr clr. (100)										
9	9.0	10.0	1.0	As above	tr clr. (100)										
10	10.0	11.0	1.0	As above. v. weath.	tr clr. (100)	724663	<2	3	5	9	3	5	4	.20	.08
11	11.0	12.0	1.0	As above. tr serp in fractures tr clr	(100)										
12	12.0	13.0	1.0	Coarse/med anorthosite wh to grey. v. rare clr	(100)										
13	13.0	14.0	1.0	Anorthosite 80%; calc. dunite 20% v. rare clr.	(100)	724664	<2	2	3	5	2	3	2	.09	.04
14	14.0	15.0	1.0	Wth. f.gr. brn/gn dunite	tr clr. (100)										
15	15.0	16.0	1.0	Serp.d dunite 100% tr sulph.	tr clr (100)										
16	16.0	17.0	1.0	Partly serp dunite tr serp	tr clr. (100)	724665	<2	2	3	10	3	4	4	.19	.09
17	17.0	18.0	1.0	As above.	(100)										
18	18.0	19.0	1.0	As above.	tr sulph, clr, serp. (100)										
19	19.0	20.0	1.0	Partly serp dunite tr sulph/clr	(100)	724666	<2	2	3	8	3	3	2	.19	.07
20	20.0	21.0	1.0	As above.	tr clr. (100)										
21	21.0	22.0	1.0	As above.	tr serp/clr (100)										
22	22.0	23.0	1.0	As above. v. rare clr; tr serp	(100)	724667	<2	2	4	9	3	4	4	.20	.08
23	23.0	24.0	1.0	As above. tr serp, some clay, tr clr.	(100)										
24	24.0	25.0	1.0	As above. tr serp " " "	(100)										
25	25.0	26.0	1.0	As above.	(100)	724668	<2	2	4	10	3	4	4	.19	.10
26	26.0	27.0	1.0	As above. tr calcite tr clr/serp	(100)										
27	27.0	28.0	1.0	As above tr serp/clr.	(60)										
28	28.0	29.0	1.0	As above. tr serp (lt.gn)	tr clr. (100)	724669	<2	3	4	12	3	4	4	.19	.09
29	29.0	30.0	1.0	As above. tr serp/clr/sulph.	(100)										
30															

CHECK SAMPLE

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D. SIMPSON | MACHINE: RDC 601 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 040 MAG./GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 26/1/88

LAB NOTES: | CHEMIST: | DATE: / /

PROSPECT OR PROJECT: HERZLEWOOD | AREA OR GRID NAME: BRADLEY

LINE No: D-D' | LOCATION ON LINE OR HOLE NUMBER: BRP 37 | LOG PAGE 1 OF 2

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

THIS IS A MULTI-PURPOSE FORM - PLEASE ...

[redacted] PLE[redacted]ATIO[redacted]TAILS[redacted] HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY EN

METALS EXPLORATION LIMITED

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN ppb UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
30.0	31.0	1.0	As above. tr serp / chr.	(100)										
31.0	32.0	1.0	" " "	(100)	724670	<2	2	4	10	4	3	4	.19	.09
32.0	33.0	1.0	" " "	(100)										
33.0	34.0	1.0	" minor serp. / tr chr.	(100)										
34.0	35.0	1.0	" " "	(100)	724671	<2	3	4	10	4	4	6	.19	.09
35.0	36.0	1.0	" " "	(100)										
36.0	37.0	1.0	" " "	(100)										
37.0	38.0	1.0	Dk. gn. f.gr. dunite, frant serp[d] tr chr.	(100)	724672	<2	3	4	10	4	5	4	.20	.09
38.0	39.0	1.0	" " "	(100)										
39.0	40.0	1.0	" " "	(100)										
40.0	41.0	1.0	Dk. gn. f.gr. part. serp. dunite tr chr.	(100)	724673	<2	2	3	12	3	4	4	.20	.11
41.0	42.0	1.0	" " "	(100)										
42.0	43.0	1.0	" " "	(100)										
43.0	44.0	1.0	Dk. gn. f.gr. part. serp. dunite tr chr.	(100)	724674	<2	3	4	11	4	4	4	.20	.15
44.0	45.0	1.0	" " "	(100)										
45.0	46.0	1.0	" " "	(100)										
46.0	47.0	1.0	" " "	(100)	724675	<2	4	3	2	3	5	6	.22	.11
47.0	48.0	1.0	" " "	(100)										
48.0	49.0	1.0	" " "	(100)										
49.0	50.0	1.0	" " "	(100)										
50.0	51.0	1.0	" " "	(100)	724676	<2	3	5	10	3	5	4	.20	.13
51.0	52.0	1.0	" " "	(100)										
			52m = End of hole.											

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: HEAZLEWOOD AREA OR GRID NAME:

LINE No: D-D' LOCATION ON LINE OR HOLE NUMBER: BRP 39 LOG PAGE 2 OF 2.

CHECK SAMPLE

LAB. NOTES: CHEMIST: DATE: / /

LOG & ANALYTICAL REPORT Sheet No [illegible]

THIS IS A MULTI-PURPOSE FORM [illegible]

[redacted] PLE[redacted]ATIO[redacted]AILS [redacted] HIGHEST CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY EN.

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN ppb UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
0	2.0	2.0	No sample. - wet & rubbly.											
2.0	3.0	1.0	wkly. dunite tr serp. tr chr.	(10)	724677	<2	3	4	11	3	5	4	.24	.21
3.0	4.0	1.0	As above.	(20)										
4.0	5.0	1.0	As above. tr serp, ank, chr.	(30)	724678	<2	3	4	11	3	5	4	.22	.17
5.0	6.0	1.0	No sample.	(0)										
6.0	7.0	1.0	No sample } Air pressure problem.	(0)										
7.0	8.0	1.0	No sample	(0)										
8.0	9.0	1.0	wkly. f gr. gn/brn serp" dunite tr chr.	(100)	724679	<2	3	4	10	3	4	4	.21	.15
9.0	10.0	1.0	As above	(100)										
10.0	11.0	1.0	As above. tr ank / chr.	(100)	724680	<2	2	4	17	4	4	4	.21	.16
11.0	12.0	1.0	As above. tr ank, tr serp / chr.	(100)										
12.0	13.0	1.0	As above. local brn/gn tr chr.	(100)										
13.0	14.0	1.0	Fresh f.gn. dk.gn. dunite tr chr.	(80)	724681	<2	2	3	11	4	7	6	.20	.17
14.0	15.0	1.0	Fresh f-gr. dk. gn dunite tr serp / chr	(100)										
15.0	16.0	1.0	As above with 20% fractures - related serp. tr chr.	(70)										
16.0	17.0	1.0	Fresh dk.gn. f.gr dunite 70%; pale gn serp 30% tr chr.	(100)	724682	<2	4	3	11	4	7	6	.20	.17
17.0	18.0	1.0	As above. "	(100)										
18.0	19.0	1.0	As above. "	(100)										
19.0	20.0	1.0	As above minor chr. / v. rare sulf	(100)	724683	<2	2	3	10	3	6	5	.19	.09
20.0	21.0	1.0	Serp. dk to lt gn. 80%; dk gn. dunite 20% tr chr	(100)										
21.0	22.0	1.0	Serp 20%; serp" dunite 80% tr chr.	(100)										
22.0	23.0	1.0	Dk gn. dunite tr serp tr chr.	(90)	724684	<2	2	2	11	4	4	4	.20	.09
23.0	24.0	1.0	As above. "	(100)										
24.0	25.0	1.0	As above. tr serp / ank / chr.	(100)										
25.0	26.0	1.0	" tr serp on fractures, tr chr.	(100)	724685	<2	2	3	10	4	7	6	.20	.09
26.0	27.0	1.0	As above. tr chr	(100)										
27.0	28.0	1.0	Dunite with tr serp on joints. tr chr.	(90)										
28.0	29.0	1.0	" " " tr chr.	(90)	724686	<2	2	3	11	4	5	4	.19	.09

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D. SIMPSON | MACHINE: ROC 601 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 225 MAG./GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 30/6/88

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: BRASSEY

LINE No: D-D' | LOCATION ON LINE OR HOLE NUMBER: BRP40 | LOG PAGE 1 OF 2.

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of 8 10

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FIELD ENTRY EN. 8

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN ppb UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
1	29.0	30.0	1.0	As above.	tr clin.	(90)	724686									
2	30.0	31.0	1.0	" "	tr clin.	(100)										
3	31.0	32.0	1.0	" "	"	(100)	724687	<2	7	4	12	4	6	6	·20	·11
4	32.0	33.0	1.0	" "		(100)										
5	33.0	34.0	1.0	" "	tr calcite	(90)										
6	34.0	35.0	1.0	Pyrite 70% serp 30%	tr clin	(100)	724688	<2	3	3	12	4	5	4	·20	·09
7	35.0	36.0	1.0	Pyrite 60% serp 40%	"	(80)										
8	36.0	37.0	1.0	Pyrite 80% serp 20%	tr clin.	(100)										
9	37.0	38.0	1.0	As above. tr feld. v rare clin.		(100)	724689	<2	3	3	13	4	6	4	·19	·13
10	38.0	39.0	1.0	Pyrite 95% serp 5% tr rem calcite; tr clin.		(100)										
11	39.0	40.0	1.0	As above.	tr clin/calcite.	(100)										
12	40.0	41.0	1.0	As above.	tr feld/clin.	(50)	724690	<2	3	2	11	3	4	4	·19	·09
13	41.0	42.0	1.0	As above.	tr carb/clin.	(90)										
14	42.0	43.0	1.0	"	" "	(100)										
15	43.0	44.0	1.0	"	" "	(100)	724691	<2	4	3	9	3	3	4	·17	·05
16	44.0	45.0	1.0	Pyrite 80% serp 20% tr clin.		(100)										
17	45.0	46.0	1.0	Pyrite 100% tr rem calcite tr clin.		(100)										
18	46.0	47.0	1.0	Pyrite 100%	tr clin.	(100)	724692	<2	3	4	11	4	4	2	·19	·06
19	47.0	48.0	1.0	" "	"	(100)										
20	48.0	49.0	1.0	" "	"	(100)										
21	49.0	50.0	1.0	" "	"	(100)	724693	<2	4	3	12	5	5	6	·20	·06
22	50.0	51.0	1.0	" "	"	(100)										
23	51.0	52.0	1.0	" "	"	(100)	724694	<2	5	4	11	4	3	4	·21	·08
24																
25																
26				52m = End of hole.												
27																
28																
29																
30																

THIS IS A MULTI-PURPOSE FORM ... [illegible]

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 HEHZLEWOOD | AREA OR GRID NAME

LINE No | LOCATION ON LINE OR HOLE NUMBER BRP 40 | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES | CHEMIST | DATE / /

LOG & ANALYTICAL REPORT Sheet No. nº 8 10

[redacted] DETAILS [redacted] HIGH [redacted] CONFI[redacted]AL [redacted] IS F[redacted] ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY EN

METALS EXPLORATION LIMITED

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN ppb UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
0	2.0	1.0	Wh. f. gr. brn/gn to greyish dunite tr clr. (30)	724695	<2	3	4	13	5	4	4	.18	.12
2.0	3.0	1.0	Partly with dunite similar to above. tr clr. (40)										
3.0	4.0	1.0	Partly serp^{n} dunite (wh.) tr anorthosite. tr clr. (30)										
4.0	5.0	1.0	As above. tr clr. (60)	724696	<2	4	4	15	5	5	4	.19	.10
5.0	6.0	1.0	" " " (100)										
6.0	7.0	1.0	As above. sl. less wh. (90)										
7.0	8.0	1.0	As above. tr clr. (some +20mm frags) (100)	724697	<2	4	3	16	5	6	6	.18	.12
8.0	9.0	1.0	F. gr. med. to dark gn. dunite tr clr. (Some +20mm frags) (100)										
9.0	10.0	1.0	As above. tr clr. (70)										
10.0	11.0	1.0	F. gr. dunite 90% ; serp 10% tr clr (100)	724698	<2	4	4	15	4	7	6	.37	.18
11.0	12.0	1.0	" " " " " " (100)										
12.0	13.0	1.0	F. gr. dark gn dunite pent serp^{n}; tr asb/clr (100)										
13.0	14.0	1.0	As above. tr asb/clr. (100)										
14.0	15.0	1.0	F. gr. dark gn. dunite 95%, 5% gn. asb tr clr. (100)	724699	<2	2	3	15	4	4	4	.19	.10
15.0	16.0	1.0	As above. tr asb/clr. (100)										
16.0	17.0	1.0	Dk. gn. f. gr. fresh dunite tr clr. (100)	724700	<2	3	4	13	4	5	4	.19	.08
17.0	18.0	1.0	As above. " (100)										
18.0	19.0	1.0	As above. with 5% clgn serp. tr clr. (90)										
19.0	20.0	1.0	As above. tr clr. (100)	724701	2	4	4	11	4	5	4	.17	.07
20.0	21.0	1.0	As above. tr clr. (100)										
21.0	22.0	1.0	As above. tr clr. (100)										
22.0	23.0	1.0	" " minor serp ; tr asb/clr. (100)	724702	8	3	3	14	4	6	6	.17	.09
23.0	24.0	1.0	" " " " " (80)										
24.0	25.0	1.0	As above. minor serp tr clr. (60)										
25.0	26.0	1.0	As above. " " (120)	724703	7	3	2	14	4	5	4	.18	.07
26.0	27.0	1.0	" " " (100)										

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: D. SIMPSON | MACHINE: ROC 601 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 060 MAG./GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 1/7/88

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: BRASSEY

LINE No: D-D' | LOCATION OF LINE OR HOLE NUMBER: BRP 41 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

[redacted] THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		SAMPLE NUMBER	Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
27.0	28.0	1.0	As above. tr pale gn serp tr chr.		(90)										
28.0	29.0	1.0	Partly serp^{n} dunite 90%; pale gn serp 20% tr ash, chr.		(100)	724704	6	4	4	10	4	6	4	.10	.20
29.0	30.0	1.0	Serp^{n} dunite 100% tr chr.		(100)										
30.0	31.0	1.0	Serp^{n} dunite 95%; orthopyroxenite 5% tr chr.		(80)										
31.0	32.0	1.0	As above. tr ash / chr.		(100)	724705	4	4	3	12	4	5	4	.17	.15
32.0	33.0	1.0	" tr chr.		(100)										
33.0	34.0	1.0	Serp^{n} dunite 90%; serp 20% tr chr.		(100)										
34.0	35.0	1.0	As above. tr chr.		(100)	724706	2	3	3	13	4	3	4	.18	.15
35.0	36.0	1.0	" "		(100)										
36.0	37.0	1.0	As above. Partly serp^{n} dunite tr chr.		(100)										
37.0	38.0	1.0	" " tr chr.		(100)	724707	4	5	3	11	4	9	12	.15	.15
38.0	39.0	1.0	Partly serp^{n} dunite 80%; serp 20% tr chr		(100)										
39.0	40.0	1.0	" " " 60%, " 40% "		(100)										
40.0	41.0	1.0	As above. tr chr.		(100)	724708	4	4	3	13	4	5	4	.17	.16
41.0	42.0	1.0	DK. gn. f. gr. pt serp^{n} dunite tr chr.		(100)										
42.0	43.0	1.0	As above. tr chr.		(100)										
43.0	44.0	1.0	Serp^{n} dunite 90%; 10% lt. gn serp tr chr.		(100)	724709	4	3	4	11	4	5	4	.17	.13
44.0	45.0	1.0	As above. tr chr.		(100)										
45.0	46.0	1.0	As above tr felt tr chr.		(100)										
46.0	47.0	1.0	As above. tr serp tr chr.		(80)	724710	4	3	3	10	3	3	2	.16	.11
47.0	48.0	1.0	As above. tr chr.		(100)										
48.0	49.0	1.0	" "		(100)										
49.0	50.0	1.0	" "		(100)	724711	4	3	3	12	4	4	4	.18	.12
50.0	51.0	1.0	" "		(100)										
51.0	52.0	1.0	As above. tr chr.		(100)	724712	6	14	4	16	5	7	6	.19	.17
			52m = End of hole												

RESULTS IN P.P.M UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT

MAP, AIR PHOTO OR DRAWING No.

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

SAMPLE TYPE: FIELD ENTRY BY: DATE: / /

CHECK SAMPLE

LAB. NOTES: CHEMIST: DATE: / /

PROSPECT OR PROJECT: HEAZLEWOOD AREA OR GRID NAME:

LINE No: LOCATION ON LINE OR HOLE NUMBER: BRP 41 LOG PAGE 2 OF 2

LOG & ANALYTICAL REPORT Sheet No. of A/O

THIS IS A MULTI-PURPOSE FORM

[redacted] SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY / EN.

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THIS IS A MULTI-SECTION

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
0	2.0	2.0	Ultr. mod gn to brn gn f. gr. dunite											
			Partly serp^{d}. tr chr. (80)	724713	6	5	2	15	5	5	4	.20	.18
2.0	3.0	3.0	As above. some larger frags (40)											
3.0	4.0	1.0	As above. (40)											
4.0	5.0	1.0	As above. Lrn weath. (80)	724714	4	3	4	16	4	7	6	.21	.11
5.0	6.0	1.0	As above. tr chr. (100)											
6.0	7.0	1.0	As above. tr chr. (100)											
7.0	8.0	1.0	" " (100)	724715	2	2	6	15	4	8	6	.18	.09
8.0	9.0	1.0	As above. v. fine chrys. (100)											
9.0	10.0	1.0	As above. Lwr 5% serp on fract. tr chr. (100)											
10.0	11.0	1.0	As above. tr serp / mgt / chr. (100)	724716	<2	3	4	17	3	4	2	.19	.06
11.0	12.0	1.0	As above. tr chr / mgt. & serp. (100)											
12.0	13.0	1.0	As above. tr ash (100)											
13.0	14.0	1.0	Pant serp^{d} dunite 95%; serp 10% tr chr. (100)	724717	<2	2	2	14	3	5	4	.19	.09
14.0	15.0	1.0	As above. tr chr. (100)											
15.0	16.0	1.0	As above. tr chr (100)											
16.0	17.0	1.0	As above. " (100)	724718	<2	2	3	11	3	6	4	.20	.07
17.0	18.0	1.0	As above tr serp tr chr v. rare sheal. (100)											
18.0	19.0	1.0	As above. tr chr. (100)											
19.0	20.0	1.0	" tr chr. (100)	724719	<2	3	4	17	3	5	2	.21	.05
20.0	21.0	1.0	" " (100)											
21.0	22.0	1.0	As above. 10% serp tr chr. (100)											
22.0	23.0	1.0	As above minor chromite. (100)	724720	<2	6	3	14	4	5	4	.22	.13
23.0	24.0	1.0	As above " " (100)											
24.0	25.0	1.0	" tr chr. (100)											
25.0	26.0	1.0	Partly serp^{d} dunite tr chr. (100)	724721	<2	5	4	18	4	6	4	.21	.08
26.0	27.0	1.0	As above. tr chr. (100)											
27.0	28.0	1.0	As above tr ash / chr. (100)											
28.0	29.0	1.0	Dunite 60% serp 40% tr chr. (100)	724722	<2	12	3	13	4	6	4	.17	.09
29.0	30.0	1.0	Pant serp^{d} dunite tr ash, tr chr. (100)											

MAP, AIR PHOTO OR DRAWING No

LOGGED BY: D. SIMPSON | MACHINE: ROC60' | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 225 MAG. ~~GRID~~

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 4/7/88

PROSPECT OR PROJECT: HEARTLEWOOD | AREA OR GRID NAME: BRADLEY

LINE No: D-D' | LOCATION ON LINE OR HOLE NUMBER: BKP 42 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of 4 10

[redacted] PLE [redacted] TION [redacted] AILS [redacted] HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY		SAMPLE NUMBER	RESULTS IN ppb UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
30.0	31.0	1.0	As above	tr clr.	(100)										
31.0	32.0	1.0	"	"	(100)	724723	<2	8	3	16	3	11	8	.18	.08
32.0	33.0	1.0	"	"	(100)										
33.0	34.0	1.0	As above limit with 5% serp	tr clr.	(100)										
34.0	35.0	1.0	As above 1% pale gn serp	tr clr.	(100)	724724	<2	2	5	14	4	6	4	.19	.07
35.0	36.0	1.0	As above	tr serp / clr.	(100)										
36.0	37.0	1.0	As above.	tr. serp / clr.	(100)										
37.0	38.0	1.0	As above. limit with 1% vein calcite	tr clr.	(100)	724725	<2	3	4	19	4	6	4	.19	.09
38.0	39.0	1.0	As above. with 20% lt gn serp. tr clr.		(100)										
39.0	40.0	1.0	As above. tr serp; v. calcite tr clr.		(100)										
40.0	41.0	1.0	As above. tr serp tr clr.		(100)	724726	<2	5	3	12	3	5	2	.19	.06
41.0	42.0	1.0	As above. 10% serp tr clr.		(100)										
42.0	43.0	1.0	As above.	tr clr.	(100)										
43.0	44.0	1.0	As above tr serp, tr clr.		(100)	724727	<2	2	6	17	4	5	4	.19	.06
44.0	45.0	1.0	As above	tr clr.	(100)										
45.0	46.0	1.0	As above.	tr clr.	(100)										
46.0	47.0	1.0	"	"	(100)	724728	<2	3	6	15	4	7	4	.18	.05
47.0	48.0	1.0	Part. serp. all. dunite 95%; pale gn serp 15% tr clr		(100)										
48.0	49.0	1.0	As above 2% serp	tr clr.	(80)										
49.0	50.0	1.0	As above.	tr clr.	(100)	724729	<2	2	3	15	4	4	2	.19	.09
50.0	51.0	1.0	As above. 5% lt gn. serp.	tr clr.	(100)										
51.0	52.0	1.0	As above.	"	(100)	724730	<2	2	5	12	3	5	2	.18	.05
			52m = End of hole.												

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: HERZLEWOOD AREA OR GRID NAME:

LINE No: D-D' LOCATION ON LINE OR HOLE NUMBER: BRP 4R LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES: CHEMIST: DATE: / /

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

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY EN.

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	Au ppb	At ppb	Pd ppb	Ru ppb	Rh ppb	Ir ppb	Os ppb	Ni %	Cu %
0	3.0	3.0	Wthr. f.gr gn/grey to brn dunite; occ serp veining tr clor. (80)	724731	<2	3	3	28	4	11	12	.19	.06
3.0	4.0	1.0	As above. tr clor. (80)										
4.0	5.0	1.0	As above. (80)	724732	<2	4	4	15	4	7	6	.19	.06
5.0	6.0	1.0	" " (100)										
6.0	7.0	1.0	F.gr. wthr gn/gy to brn dunite tr clor. (80)										
7.0	8.0	1.0	As above. tr clor. (100)	724733	<2	4	3	22	4	8	4	.18	.06
8.0	9.0	1.0	As above. tr clor. (100)										
9.0	10.0	1.0	As above. tr clor. (70)										
10.0	11.0	1.0	As above wthr 10% serp tr clor. (50)	724734	<2	4	3	14	4	6	4	.18	.08
11.0	12.0	1.0	As above. tr clor. / serp. (50)										
12.0	13.0	1.0	As above. tr serp / clor. (50)										
13.0	14.0	1.0	As above. tr clor. (40)	724735	<2	4	3	15	4	6	4	.17	.06
14.0	15.0	1.0	As above. tr pyx / clor. (100)										
15.0	16.0	1.0	As above. (wthr) (100)										
16.0	17.0	1.0	As above. (60)	724736	<2	4	7	20	4	7	4	.18	.07
17.0	18.0	1.0	As above. (fresh) tr clor. (60)										
18.0	19.0	1.0	As above poorly serp tr clor. (60)										
19.0	20.0	1.0	As above v.rare clor. (70)	724737	<2	3	4	18	4	8	6	.17	.06
20.0	21.0	1.0	As above. tr serp in veinlets v.rare clor. (80)										
21.0	22.0	1.0	As above. tr clor. (80)										
22.0	23.0	1.0	F. gr. fresh dk. gn. dunite; minor serp alt. in joints tr clor. (80)	724738	2	3	4	16	3	7	10	.17	.05
23.0	24.0	1.0	As above. tr clor. (80)										
24.0	25.0	1.0	As above. tr clor. (70)										
25.0	26.0	1.0	Fresh. f.gr. dk. gn dunite tr serp tr clor. (80)	724739	<2	2	1	12	3	4	2	.17	.06
26.0	27.0	1.0	As above tr serp tr clor (80)										
27.0	28.0	1.0	As above. tr. vein calcite tr clor. (80)										
28.0	29.0	1.0	As above. tr. vein calcite tr clor. (80)	724740	<2	2	1	21	3	6	6	.19	.06
29.0	30.0	1.0	As above. tr serp tr clor. (80)										

RESULTS IN ~~PPM~~ ppb UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY D. SIMPSON | MACHINE ROC 601 | INCLINATION AT COLLAR -65° | BEARING AT COLLAR 040 MAG./GRID

SAMPLE TYPE PERCUSSION CHIP | FIELD ENTRY BY | DATE 5/7/88

PROSPECT OR PROJECT HERZLEWOOD | AREA OR GRID NAME BRASSEY

LINE No. D-D1 | LOCATION ON LINE OR HOLE NUMBER BRP43 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT

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FIELD ENTRY / EN.

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION	ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN ppb UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
30.0	31.0	1.0	As above.	tr chr. (30)										
31.0	32.0	1.0	As above.	" (20)	724741	<2	6	2	11	4	5	4	.19	.06
32.0	33.0	1.0	F gr. dk gn. dunite 80%; grey serp dunite 20%	tr chr. (30)										
33.0	34.0	1.0	Conspic serp dunite 40% dk gn f gr dunite 60%	tr chr. (30)										
34.0	35.0	1.0	Coarsish f. gr. dunite 93%; 2% vein calcite	tr chr (40)	724742	<2	2	1	20	3	3	4	.19	.05
35.0	36.0	1.0	Dunite rock	tr chr. (50)										
36.0	37.0	1.0	Dunite 98% dk gn serp 2%	tr chr. (30)										
37.0	38.0	1.0	As above	tr chr (30)	724743	<2	2	2	12	3	3	2	.19	.06
38.0	39.0	1.0	" "	tr serp tr chr (30)										
39.0	40.0	1.0	Dunite f. gr. dk gn local serp veins.	" (50)										
40.0	41.0	1.0	Dunite f gr dk gn. some serp veining	tr chr (40)	724744	<2	3	2	12	3	5	2	.19	.05
41.0	42.0	1.0	As above.	tr chr. (30)										
42.0	43.0	1.0	As above tr. vein calcite	" " (30)										
43.0	44.0	1.0	" "	" (20)	724745	<2	3	2	10	3	4	2	.20	.05
44.0	45.0	1.0	" tr chr / ank + serp	(20)										
45.0	46.0	1.0	F gr. dk gn. dunite tr serp / ank	tr chr (30)										
46.0	47.0	1.0	As above with 2% serp tr ank	tr chr. (30)	724746	<2	3	1	14	3	4	4	.18	.05
47.0	48.0	1.0	As above " " "	tr chr. (30)										
48.0	49.0	1.0	As above. 2% serp.	tr chr (30)										
49.0	50.0	1.0	As above some Fe stained frags	" (30)	724747	<2	3	3	11	3	4	4	.16	.05
50.0	51.0	1.0	" " 1% serp tr vein calcite	tr chr. (30)										
51.0	52.0	1.0	As above tr serp	tr chr. (30)	724748	<2	3	2	18	3	6	2	.18	.05
			52m = End of hole											

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: HEAZLEWOOD AREA OR GRID NAME: BARSLEY

LINE No: LOCATION ON LINE OR HOLE NUMBER: BRP 43 LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES: CHEMIST: DATE: / /

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

THIS IS A MULTI-PURPOSE FORM ...

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FIELD ENTRY / ENT. 335

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
1	0	3.0	3.0	V. weath. f. gr. pard serp^d gn/gy dunite tr vein calcite tr chr. (30)	724749	<2	3	1	12	3	4	4	.16	.06
3	3.0	4.0	1.0	Serp dunite 80%; dk gn dunite 20%. tr chr. (30)										
4	4.0	5.0	1.0	As above. tr chr. (80)	724750	<2	4	2	22	3	4	4	.16	.08
5	5.0	6.0	1.0	As above. " (60)										
6	6.0	7.0	1.0	As above. minor vein serp. (60)										
7	7.0	8.0	1.0	As above. tr chr. (90)	724751	<2	3	1	18	4	5	4	.18	.05
8	8.0	9.0	1.0	Fresh f gr. gy/gn. dunite some fyx tr chr. (60)										
9	9.0	10.0	1.0	Dunite tr fuch. tr chr. (50)										
10	10.0	11.0	1.0	As above tr. pale gn serp tr chr. (50)	724752	<2	3	1	21	3	3	6	.18	.05
11	11.0	12.0	1.0	Pard serp^d dunite - some serp on fractures tr chr (60)										
12	12.0	13.0	1.0	As above. with minimal on serp fractures. tr chr (80)										
14	13.0	14.0	1.0	As above. tr. pale gn serp tr chr. (80)	724753	<2	2	1	10	3	3	6	.17	.04
15	14.0	15.0	1.0	As above. tr chr & serp. (120)										
16	15.0	16.0	1.0	" " " (60)										
17	16.0	17.0	1.0	" " tr chr. (50)										
18	17.0	19.0	1.0	F. gr dk. gn serp dunite 80% - f gr. gn serp^d dunite 80%; l. gr. creamy feld. 20%. tr feld v. rare steel. (60)	724754	<2	2	1	20	2	3	3	.17	.04
21	19.0	19.0	1.0	Dunite 85%; Gamet-ed anorthosite 15% tr chr. (30)										
22	19.0	20.0	1.0	As above. tr chr / steel. (50)										
23	20.0	21.0	1.0	Pard serp dunite 95% grt anorth. 5%. tr chr / v. rare steel. (70)	724755	<2	3	2	10	3	3	4	.15	.04
25	21.0	22.0	1.0	Dk. gn. pard. serp dunite tr chr. (50)										
26	22.0	23.0	1.0	As above. tr feld / tr chr (50)	724756	<2	3	1	18	2	3	2	.17	.04
27	23.0	24.0	1.0	As above. " " (60)										
28	24.0	25.0	1.0	" " " (40)										
29	25.0	26.0	1.0	" " (60)	724757	<2	2	1	10	3	3	2	.17	.04
30	26.0	27.0	1.0	" " (40)										

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D. SIMPSON | MACHINE: ROC601 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 221° | MAG./GRID:

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE: 6/7/88

PROSPECT OR PROJECT: HERZLEWOOD | AREA OR GRID NAME: BRASSEY

LINE No.: D-D' | LOCATION ON LINE OR HOLE NUMBER: BRP44 | LOG PAGE 1 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No [illegible]

[redacted] THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY

METALS EXPLORATION LIMITED

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN ppb UNLESS OTHERWISE STATED; x=BELOW DETECTION LIMIT: Au	Pt	Pd	Ru	Rh	Ir	Os	Ni %	Cr %
27.0	28.0	1.0	As above. ↑ felsi. tr calcr. (30)										
28.0	29.0	1.0	" " " " (70)	724758	<2	2	2	12	3	4	4	.18	.05
29.0	30.0	1.0	" " " " (80)										
30.0	31.0	1.0	" " tr pale gn sorp tr calcr. (80)										
31.0	32.0	1.0	" " " " " (80)	724759	<2	3	2	20	3	3	4	.18	.08
32.0	33.0	1.0	As above tr f. gn. garnetiferous gabbro. " (70)										
33.0	34.0	1.0	Dk gn. ↓ gn. clinzit - Fe stained fragments tr calcr. (80)										
34.0	35.0	1.0	As above. " (70)	724760	<2	2	2	10	3	2	4	.19	.05
35.0	36.0	1.0	" " (90)										
36.0	37.0	1.0	" " (70)										
37.0	38.0	1.0	" " (80)	724761	<2	1	2	17	2	2	4	.19	.04
38.0	39.0	1.0	" " (70)										
39.0	40.0	1.0	Dk. gn. ↓ gn. clinzit. Occ sorp'd tr calcr) felsi. (80)										
40.0	41.0	1.0	As above. tr calcr (60)	724762	<2	3	2	12	3	4	4	.18	.04
41.0	42.0	1.0	" " ↑ tr calcr. (30)										
42.0	43.0	1.0	" " " " (50)										
43.0	44.0	1.0	" " " (90)	724763	<2	4	2	20	3	4	4	.19	.05
44.0	45.0	1.0	" " " (40)										
45.0	46.0	1.0	" " tr pale gn sorp " (40)										
46.0	47.0	1.0	" " tr pale gn sorp. " (40)	724764	<2	2	2	12	3	4	4	.19	.04
47.0	48.0	1.0	" " tr vein calcite " (60)										
48.0	49.0	1.0	As above. " (60)										
49.0	50.0	1.0	" " " (50)	724765	<2	3	2	22	4	5	2	.18	.04
50.0	51.0	1.0	" " tr Lt gn. sorp. " (70)										
51.0	52.0	1.0	" " " (30)	724766	<2	4	2	14	4	5	4	.18	.04
			52m = End of hole.										

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: HERZLEWOOD AREA OR GRID NAME:

LINE No: LOCATION ON LINE OR HOLE NUMBER: BRP 44 LOG PAGE 2 OF 2

CHECK SAMPLE

LAB NOTES: CHEMIST: DATE: / /

LOG & ANALYTICAL REPORT Sheet No. [illegible]

APPENDIX 6

JASPER

APPENDIX 6A

PRELIMINARY REPORT ON EVALUATION OF THE GOLD POTENTIAL OF THE OLD JASPER MINE AREA

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720374

METALS EXPLORATION LIMITED

PRELIMINARY REPORT

ON

EVALUATION OF THE GOLD POTENTIAL OF THE OLD JASPER MINE AREA

E.L. 21/85 HEAZLEWOOD, TASMANIA

W. HERRMANN
S. CARTHEW
P. BELLAIRS

JUNE 1988

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(Comstaff DDH's circa 1970)

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Appendix II : Summary of Comstaff P/L's Jasper Diamond Drill Hole Logs

Appendix III : 1988 Percussion Drill Hole Logs JP1-JP14

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1. INTRODUCTION

The Old Jasper Mine is located near the southern boundary of E.L. 21/85 about 1.5km SSE of the Heazlewood River bridge.

Thirteen grab samples from mine mullock dumps returned encouraging values for gold and copper, the maximum values being 14.2 g/t Au and 23.1% Cu.

Initially, a tape and compass grid centred on the workings and covering an area of about 275 x 150m with a central (300E) baseline oriented at 325° Magnetic and cross lines at 25m intervals, was put in.

Geological mapping of the grid and environs was undertaken and results plotted at a 1:1,000 scale - Figure 1.

A 25 hole (1250m) percussion drilling programme was designed to test the stratabound nature of the Old Jasper Cu + Au + Ag mineralization. The drilling programme commenced on 15.4.88 and was abandoned on 5.5.88 due to drilling difficulties.

This report presents the results of the mapping and drilling programmes, discusses the style of mineralization, and provides recommendations for future work.

2. PREVIOUS EXPLORATION

2.1 Early Mining History

P.B. Nye (1923) (Geol. Surv. Bull. 33.) summarised the early history of mining and geology of The Old Jasper area.

The Old Jasper lode, consisting of a massive outcrop of chalcopyrite and pyrite, was discovered by G. Binks in the late 1890's. Trenching, driving of a shallow (No. 2) adit, shaft sinking (No. 2) and commencement of an open cut on the lode was carried out by several companies up to 1909 but no production records exist.

The property was acquired by Mt. Jasper Copper Mines N.L. in 1910, which carried out considerable underground exploration work and produced much of the recorded production. Prospecting activities led to the discovery of The New Jasper Copper Mine in 1912.

Nye (1923, Table 7) listed available production from The New Jasper and Old Jasper Mines for the post 1912, period, indicating approximately 188 tons of (hand picked?) ore was won. Probably 70% of this production came from The New Jasper Mine.

Grades quoted in his Table (op. cit.) range from:-

10.4 - 35.3% Cu
0.02 - 2.2 oz/ton Au
0.02 - 4.07 oz/ton Ag

2.2 Exploration by Comstaff Pty. Ltd. - 1968-70

Two reports by Comstaff (Open File Numbers: 70-709 and 71-815) indicate that exploration was undertaken for copper in The Jasper Hill area during 1968-1970 field seasons (Appendix 1).

In brief: The Comstaff exploration programme commenced with a regional grid covering about 5km^2 with E-W and N-S lines at approximately 300m intervals. Soil geochemical sampling (sampling technique, soil horizon and analytical methods not given), supported by partial geological mapping, was undertaken on the grid.

Soil geochemistry results revealed several copper anomalies in the range 300-590ppm Cu mainly around Jasper Hill and for about a mile to the west. The anomalies were subsequently pitted and bedrock sampling indicated significantly lower copper grades (50-300ppm Cu).

Comstaff concluded that the soil geochemical anomalies did not relate to "significant concentrations" of bedrock copper.

A ground Self Potential geophysical survey totalling 32,600m indicated background responses and led Comstaff to conclude that "it seems unlikely that any sulphide ore-body is present".

Despite these negative results, Comstaff drilled two diamond drill holes (J1, J2) and excavated a large (150m) costean on Jasper Hill about 200m SSE of The Old Jasper open cut during the 1970-71 field season.

The almost undecipherable Geological Logs for drill holes J1 and J2 constitutes T.D.M Open File No. 71-815 (Appendix II).

Reasons for, or the conclusion from this drilling programme are not given.

3. PROSPECT GEOLOGY

Geological exposure in the (Metals Exploration) grid is about 25% and this has allowed broad delineation of the principal rock types. However, the detailed contact and structural relationships remain uncertain.

3.1 Description of Lithotypes

Dolerite (Dl)

Massive fine to medium grained dolerite occupies much of the western part of the grid. The rock typically consists of a fine (0.5 - 1.5mm) hypidiomorphic aggregate of grey tabular plagioclase and interstital possibly subophitic dark green ferromagnesian, probably clinopyroxene, in the ratio of about 2:1. The fresh rock is faintly magnetic and commonly contains minor accessory traces (<0.2%) of pyrite and/or chalcopyrite.

Fine Grained Basalt (Bs)

This rock type is wide spread in exposures eastward of the dolerite on the grid. It is the dominant rock type to the northwest and south (Jasper Hill) of the gridded area.

It is usually a massive, fine grained, dark green rock composed of a fine meshwork of lathlike almost acicular plagioclase (<0.5mm), with subordinate, small (~1mm) irregular, interstitial patches of ferromagnesian or dark green glass?

The basalt occasionally contains small amygdales (filled with fibrous, radiating dark green or pale brown minerals). In outcrops (not mapped) to the north of the grid there are localized patches of spectacularly amygdaloidal and brecciated (possibly hyaloclastites) basalt.

The fine grained basalt outcrops on the grid are generally unaltered. There are however, isolated patches of strong pervasive alteration in which the primary fabric is more or less preserved, but the mineralogy is apparently totally converted to an assemblage of quartz and epidote. This style of alteration is not associated with significant sulphide mineralization.

Amygdaloidal Basalt (aBs)

This rock type is closely associated with moderate to strong pervasive alteration (silicification) and chalcopyrite + pyrite mineralization and is largely restricted to a generally east trending zone of about 50m width upon which most of the old mine workings have been developed.

The least altered exposures are brown or pink weathered (argillized) vesicular or amygdaloidal basalt with vesicles/amygdales making up 2-15% of volume.

Some exposures, particularly in the north west wall of the open cut mine, and to a lesser extent in road cuttings east of the Log Ramp near 300E/25N, exhibit small and large (0.1 - 0.6m) semi-spherical or ellipsoidal mesostructures which may represent lava pillows.

The amygdaloidal basalt is host to localized, but possibly widespread, alteration/mineralization. It is characterized by variable development of quartz stockwork veining usually associated with pervasive silicification of the host rock. Veining and disseminated chalcopyrite and lesser pyrite can occur. In the altered/mineralized rocks, amygdale fillings commonly consist of quartz, dark fibrous chlorite?, epidote, chalcopyrite and minor pyrite and occasionally carbonate.

Sediments (Ss)

Sedimentary rocks consisting of well bedded, fine to medium grained dark greenish grey cherty silstones, siltstones and wackes occur in small outcrops in the southern part of the open cut and along the timber track near 440E/40N. Minor quantities also occur in mullock on the dumps of both the western and the northern adits.

In the open cut, the sediments generally dip steeply to south or south east. At 275E/90N there is a small (1m) tight, recumbent synclinal fold with a (apparently) shallow plunge to the south. Here the fine fissile siltstone is conformably underlain by a fine to medium grained mafic volcanolithic epiclastic conglomerate with jasper fragments.

The contact relationships with the adjacent amygdaloidal basalt are obscured by mullock and debris.

The contacts between the sediments and the small exposure of "porphyritic andesite" which they virtually surround, appear to be conformable.

Porphyritic Andesite (pA)

This lithology crops out at the southern end of the open cut. It is distinguished from the fine grained Basalt (Bs) by the sparse (< 5%), small (1-2mm) tabular phenocrysts of unaltered plagioclase.

Pyroxenite (S-Px)

This ultramafic rock occupies most of the grid north of the open cut mine, but also occurs in the south eastern corner of the grid, in a very small (1m) exposure in the open cut, and as mullock on the dump of the main shaft immediately north of the open cut.

In outcrop, the pyroxenite is pale brown in colour and has soft, greasy, talc like physical properties suggestive of steatisation or talc carbonate alteration. The medium to coarse (2-10mm) panidiomorphic granular fabric pseudomorphing primary pyroxene is generally preserved. Fresh pyroxenite occurs on the dumps at the main shaft and at the northern adit. It is characteristically dark greenish or bluish-black in colour, and is essentially composed of serpentine.

Contact relationships are generally uncertain, with the exception of the small exposure in the open cut which is almost certainly in faulted contact with the adjacent mineralized basalt.

3.2 Description of Mineralization and Alteration

Mineralization at The Old Jasper Mine occurs in altered amygdaloidal basalt and is exposed in the north western wall of the open cut, and in the No. 3 Adit and between holes JP8 and JP9.

The principal sulphide is chalcopyrite with subordinate pyrite which occur in fine disseminations, veinlets and as coarse slugs associated with white to grey quartz, and occasional white carbonate. The above forms an irregular stockwork of veinlets, veins and small breccia infillings.

Mullock samples returned assays in the range 1.5 to 23.1% Copper, 0.98 to 14.2 g/t Gold, and 3 to 200 g/t Silver. The samples generally had low (<150ppm) levels of lead, zinc and nickel, although two contain unusually high nickel (up to 0.21%) which correlated with anomalous levels of Palladium (0.18 g/t).

The mineralization in the amygdaloidal basalt is invariably associated with strong pervasive silicification which renders the host rock a very pale greenish grey colour.

Some of the mineralization consists of disseminated pyrite and chalcopyrite in intensely silicified sediments, which range from a fine grained cherty siltstone to pebbly polymictic-basaltic matrix supported conglomerate (agglomerate). The only sample of this type assayed (Appendix IV, No. 145398) 0.22% Copper and 0.14 g/t Gold.

Exposures in The Old Jasper Open Cut show that the mineralized/altered amygdaloidal basalt is confined to the north and west walls of the cut and has a relatively sharp contact with essentially unmineralized/unaltered (but weathered) amygdaloidal basalt in the east wall. The southern limit of the mineralized zone in the open cut is faulted subvertical WNW trending against serpentinized chromite bearing pyroxenite. The sheared serpentinite of the fault zone contains small ellipsoidal lenses of jasper.

This serpentinite does not appear to extend into the east or south walls of the open cut and may represent a vertical upfaulted small block of the footwall serpentinite (c.f.: Section 4.3).

No exposure of mineralized/altered rocks occurs (on the grid) west or south of the open cut, but sub outcrop of altered/stockwork veined amygdaloidal basalt (in fairly heavily overgrown country) is found to the east or east north-east of the open cut.

This zone has been prospected by several trenches and workings, including the short No. 4 Adit and the No. 3 Shaft, and may extend as much as 300m northeastwards to the "Eastern Blow".

3.3 Structure

Mapping did not define the exact nature and three dimensional orientation of lithological contacts with the exception of:-

(i) The apparent NE trending/sub vertical dipping (?) eastern contact of the mineralized zone in the open cut.

(ii) The faulted southern contact of the mineralized zone in the open cut, and

(iii) The approximate east or east north-east strike trend of the altered amygdaloidal basalt unit.

However, Nye [1923] (who had access to the mine plans and sections of the Mt. Jasper Copper Mines N.L.) discussed the structure and position of the "lode formation".

He considered that the lode "consisting of a quartzitic formation, containing the copper minerals" occurred at the contact of the "serpentinized hypersthenite" (equivalent to serpentinized pyroxenite) and the "psuedo amygdaloidal variety" which he believed formed the margin of the "hypersthenite" where it had "intruded the other rocks". The serpentinite formed the footwall of the lode and this contact generally had a low dip to the south. It was measured as 19°S in the rise from the end face of the No. 3 Adit, which would appear to lie about 140 metres south of the No. 2 Shaft.

It would appear that the upper contact of the serpentinite and the position of the lode formation lie at R.L. approx. 315m in the vicinity of drill holes JP1 and JP2, ie: about 25m vertically beneath the road in that location.

4. PERCUSSION DRILLING PROGRAMME (Phase 1)

4.1 Design Parameters for Drilling Programme

Seven N-S drill hole traverses or "fences" spaced at 50m apart were designed to test 300m of "strike extensions" of mineralization centred on The Old Jasper Mine.

The holes were designed to be of 50m depth with -45° inclination with (twin) collar sites spaced 50m apart along traverses to provide complete coverage of the prospective zone.

Two additional 50m holes were planned with azimuths of 110°M and 290°M to test for possible depth extensions of the observed NE trending mineralized zone in the open cut.

The proposed hole locations are shown on Figure 2.

4.2 Drilling Methods and Logistics

The first phase of drilling, described in this report, was carried out by Intertech Drilling Services of Sydney, N.S.W. using a HALCO 400 Airtrack Percussion Rig, running a 3 5/8" HALCO down hole hammer with air supplied by a wheel mounted Atlas Copco XRH 350 psi compressor.

Numerous drilling problems were encountered. They were:-

(i) Loss of air/cuttings return in unconsolidated, permeable overburden/talus.

(ii) Difficulty in drilling through a wet, sticky clay horizon overlying bedrock. The clay tended to stick to walls of hole and rods causing blockage and loss of air/cuttings return.

(iii) Demonstrated inability of the 3 5/8" HALCO hammer to provide enough exhaust air to lift cuttings.

The first two problems were eventually overcome by evolution of a system of open hole drilling with a 5.5" retractor bit and setting 4" PVC casing down to hard bedrock (up to 20m down hole) prior to running the hammer.

Of the fourteen holes drilled, only three reached the designed depth of 50m, two were abandoned in old mine workings, and nine were abandoned at depths ranging from 6m to 44m due to a variety of the aforementioned problems.

The drilling programme was commenced on 15.4.88 and was abandoned on 6.5.88.

4.3 Sampling and Analytical Procedures

One metre samples were collected, lithologically logged and a representative library sample taken (in 70 x 120mm plastic envelope).

Three metre composite samples were obtained from the 1m intervals by taking hand grabs which were despatched for analysis for Cu, Ag and Au at Analabs in Burnie.

Anomalous values detected in the 3m composite samples were resampled and analysed at 1m intervals. These assays again returned low values and are found in Appendix IV.

4.4 Drilling Results

Geological Logs with 3m composite analytical data are included as Appendix III of this report.

Locations of all drill holes (JP1 to 14) are plotted on the Geological Plan (Figure 1).

Geological cross sections of holes JP1,2,3,4,5,11,12,12A,13 and 14 are presented at 1:500 scale in Figures 3, 4 and 5. The 300E/000N Baseline Peg was designated Arbitrary Level Datum with R.L. = 340m.

Only one sample contained greater than 0.05% Cu. This was in the interval 3-6m (0.225% Cu) in JP10 which was collared on the mullock-dump from the open cut and probably represents contamination from that source.

Of the one hundred and twelve 3m composite samples analysed, only three samples contained greater than 0.1 g/t Au (maximum value was 0.29 g/t Au). The vast majority of samples were below the limit of detection (0.005 g/t Au) except for 3 intervals in the serpentinised footwall pyroxenite:-

JP10	6-9m	0.105 g/t Au
JP13	24-25m	0.29 g/t Au
JP14	33-36m	0.19 g/t Au

In JP13, the anomalous zone occurs immediately below the contact with silicified amygdaloidal basalt, and unfortunately the hole was abandoned at 26m in old workings. The 0.19 g/t Au value in JP14 is isolated and is not supported by associated Cu, Ag anomalies or adjacent significant gold values.

The results of this phase of percussion drilling are portrayed in the cross sections (Figures 3, 4, 5).

5. SUMMARY AND RECOMMENDATIONS FOR FURTHER EXPLORATION

The results of recent exploration and a review of previous exploration and mining history of The Old Jasper Mine area has allowed recognition of the following important features:

(i) The Old Jasper open cut produced an estimated 80 tons of picked ore and concentrates from an outcropping blow of enriched copper carbonates with gold-silver mineralization.

(ii) The carbonate rich ore contained high grades of copper (>10% Cu) gold and silver, as evidenced by mullock sampling which yielded analyses of up to 23.1% copper, 14.2 g/t gold, and 200 g/t silver.

(iii) The "pod" of high grade ore occurred as disseminations and veins of chalcopyrite and pyrite (and related secondary minerals) in quartz (+ carbonate) stockwork veined and intensely pervasively silicified amygdaloidal basalt (mafic lava) and associated mafic epiclastic sediments.

(iv) Similarly, silicified and stockwork veined but relatively unmineralized (sulphide poor) amygdaloidal basalts etc. are locally extensive and are immediately underlain by a mass of serpentinized pyroxenite, the upper contact of which appears to dip at a shallow angle to the south.

(v) The previous mine exploration/development workings and the recent percussion drilling programme results restrict the possibility of the high grade ore to the east, and below the open cut.

(vi) However, the potential remains that significant mineralization can be found at the contact between hangingwall basalts and footwall serpentinized pyroxenite, elsewhere in the exploration licence, but may have a poor surface expression.

The recommendations for further evaluation of the project area are:-

Stage 1

* Geological outcrop mapping over wider environs of the prospect and known extensions of the altered amygdaloidal basalt unit.

* Use of an orthophoto to direct the continued rock chip sampling of the prospective horizon throughout the licence to determine the spatial association and distribution of gold.

* Selected lithogeochemical and petrographic studies aimed at:

  (a) relating prospect geology to the regional geological interpretation, particularly based on the work of Brown (1986) etc.

  (b) determination of the detailed style of alteration and mineralization which may lead to establishment of an improved conceptual exploration model.

* Geophysical studies of The Old Jasper "ore" and related rocks. The marked positive correlation between high copper and gold grades (from the production figures and mullock samples available) suggests that the target mineralization would constitute a significant geophysical conductor detectable by TEM methods at considerable depths and quite possibly a

significantly chargeable source detectable by Induced Polarization at relatively shallow depths.

A detailed magnetics survey may be useful for recognition of alteration systems.

* Scout reconnaissance drilling, both between the Old Jasper and New Jasper workings on tracks that cut across the mineralized horizon, and to test the eastern or north eastern strike extensions of the altered amygdaloidal basalt and associated units between Old Jasper and the Eastern Blow.

Stage 2

Favourable results from Stage 1 could lead to:-

* Establishment of a hand cut grid at suitable orientation and line spacings to provide access and control for subsequent surveys.

* Detailed geological mapping of grid lines.

* C-Horizon/Bedrock geochemical sampling (by WACKER drill techniques) over geologically and/or (rock chip) geochemically favourable zones.

* Reconnaissance and detailed TEM/IP/Magnetic geophysical surveys as appropriate.

* Further RC drilling to define mineralization intersected during Stage 1 and preliminary drilling of geophysical/geochemical anomalies outlined during Stage 2.

Stage 3

Infill RC drilling to define the extent of the mineralized zone(s).

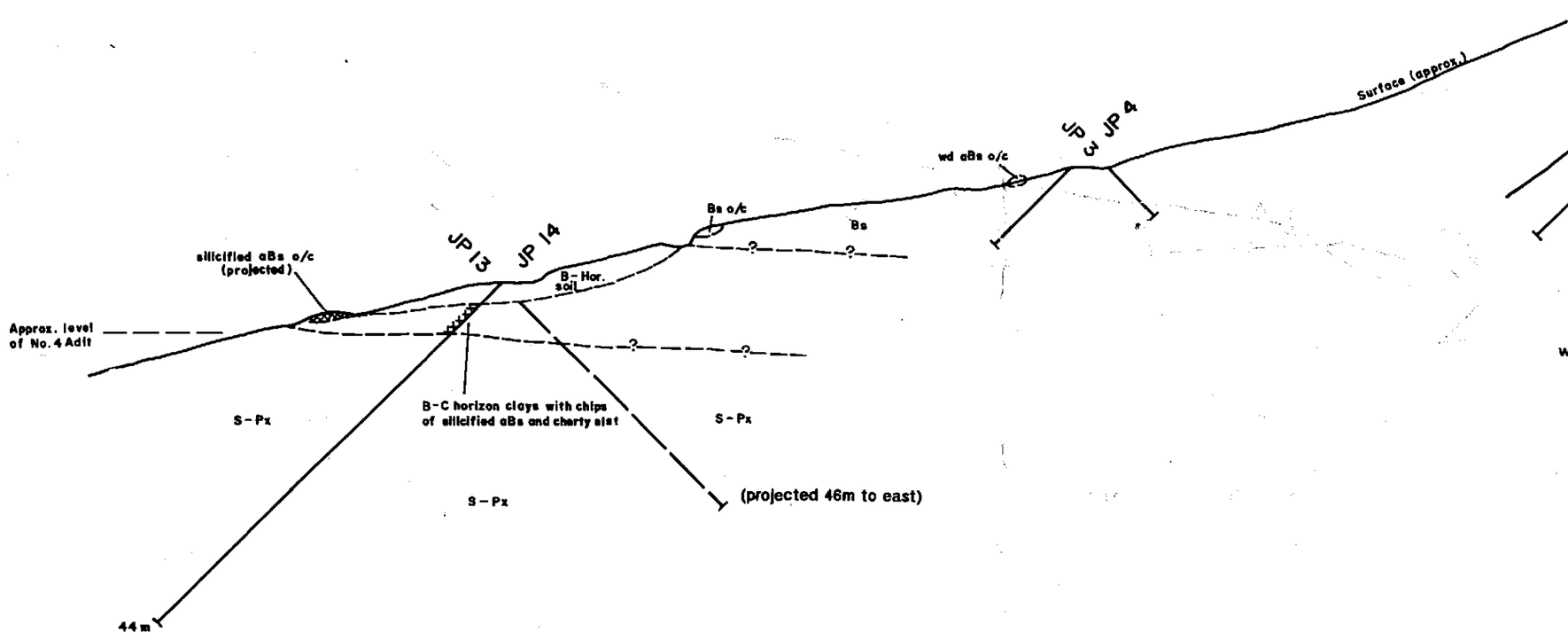
6. REFERENCES

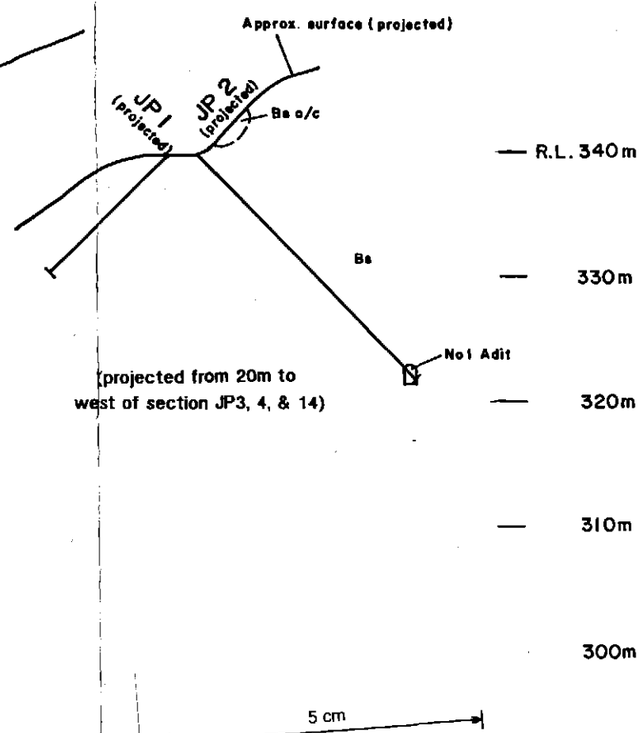
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Twelvetrees, W.H.	1903	"Report on Mineral Fields between Waratah and Long Plains" Geol. Survey Report. (No. 207) Tas. Dept. of Mines.

720388

NORTH

SOUTH





88-2876

J764

LEGEND

S-Px	Serpentinized/Steatitized Pyroxenite
Cpy	Chalcopyrite
Py	Pyrite
aBs	Amygdaloidal Basalt
Bs	Fine grained Basalt
wd	Weathered

Secton Azimuth = 00° Magnetic

0 10 20 30
metres

METALS EXPLORATION LTD.

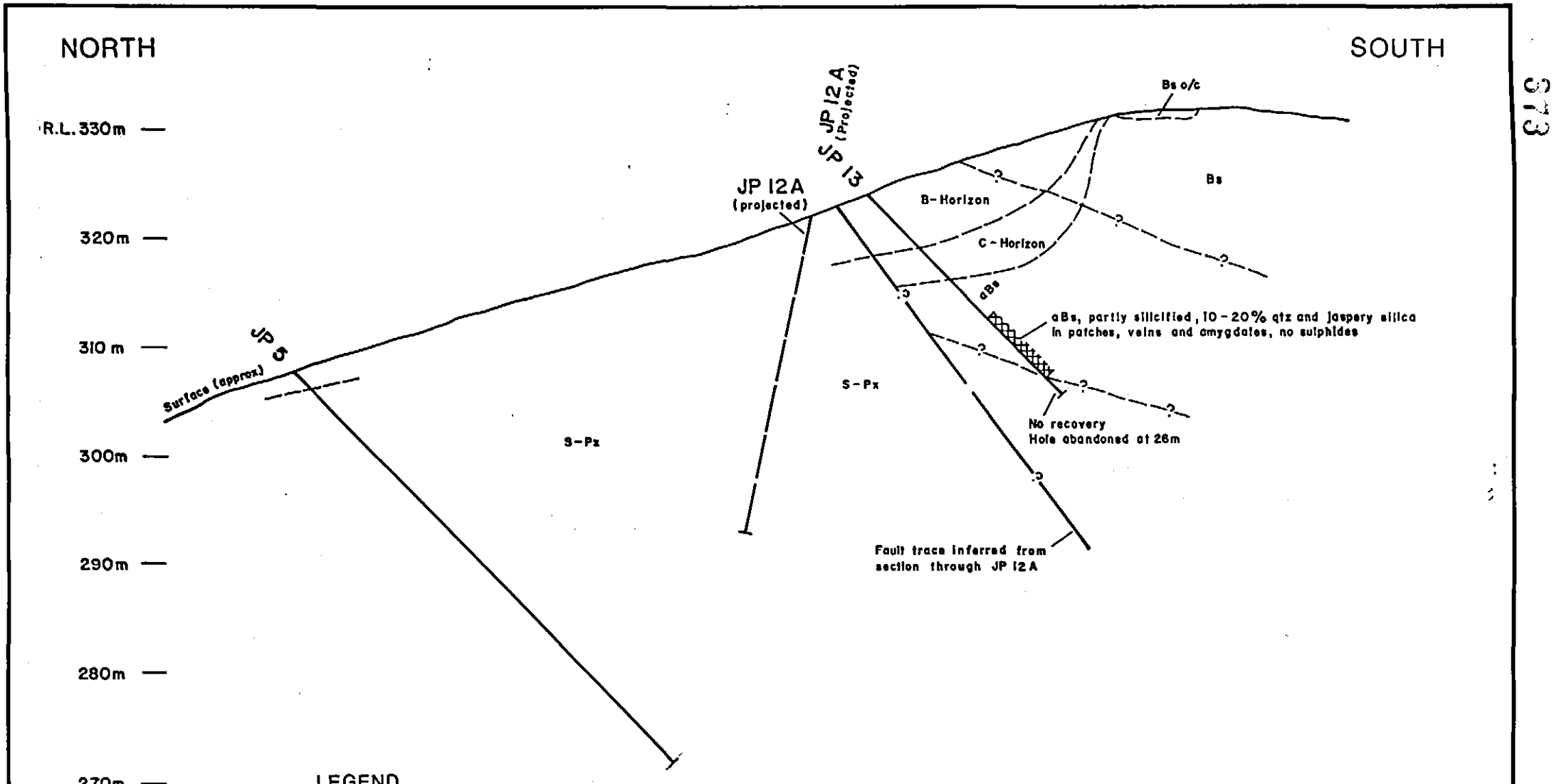
Project: HEAZLEWOOD EL21/85 Tasmania

Title: OLD JASPER MINE

GEOLOGICAL CROSS SECTION JP's 3,4, & 14

PROJECTED CROSS SECTION JP's 1 & 2

Author W.H.	Date 10/88	Scale 1:500	
Drawn S.L.C.	Office PER	Revised	Date



LEGEND

S-Px	Serpentinized/Steatitized Pyroxenite
Cpy	Chalcopyrite
Py	Pyrite
aBs	Amygdaloidal Basalt
Bs	Fine grained Basalt
wd	Weathered

Section Azimuth ≈ 00° Magnetic

5 cm

0 10 20 30

metres

METALS EXPLORATION LTD.

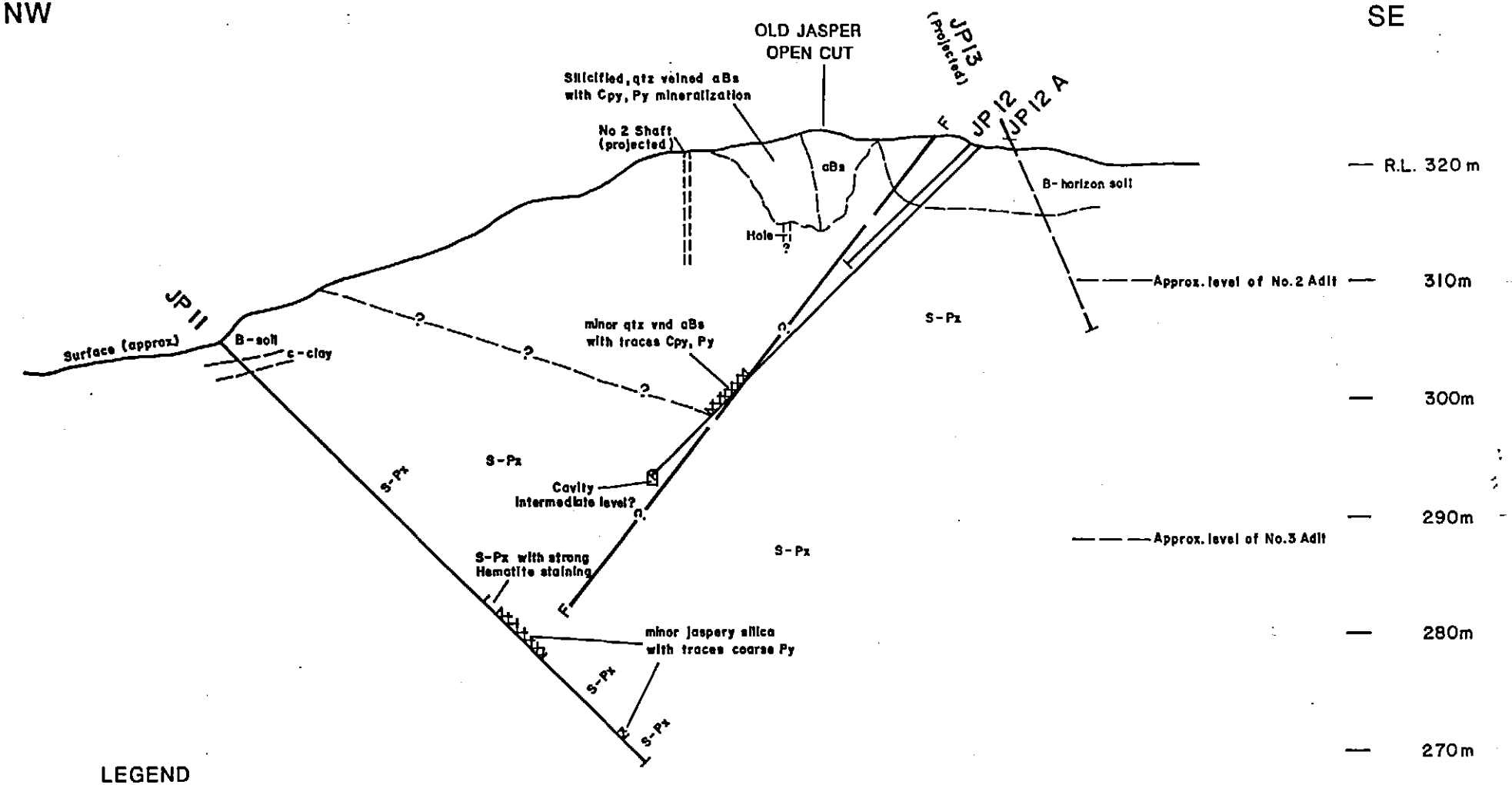
Project: HEAZLEWOOD EL21/85
Tasmania

Title: OLD JASPER MINE
GEOLOGICAL CROSS SECTION
JP5 & JP13

Author W.H.	Date 10/88	Scale 1:500	
Drawn S.L.C.	Office PER	Revised	Date
Drawing No. 02/HZ/5/07	A.M.G. SK55 7915-11	Fig. No. 4	

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120389



LEGEND

S-Px	Serpentinized/Steatitized Pyroxenite
Cpy	Chalcopyrite
Py	Pyrite
aBs	Amygdaloidal Basalt
Bs	Fine grained Basalt
wd	Weathered

Section Azimuth ≈ 113° Mag

METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85 Tasmania

Title: OLD JASPER MINE

GEOLOGICAL CROSS SECTION JP11, 12 & 12A

Author W.H. Date 10/88 | Scale 1:500

Drawn S.L.C. Office PER | Revised Date

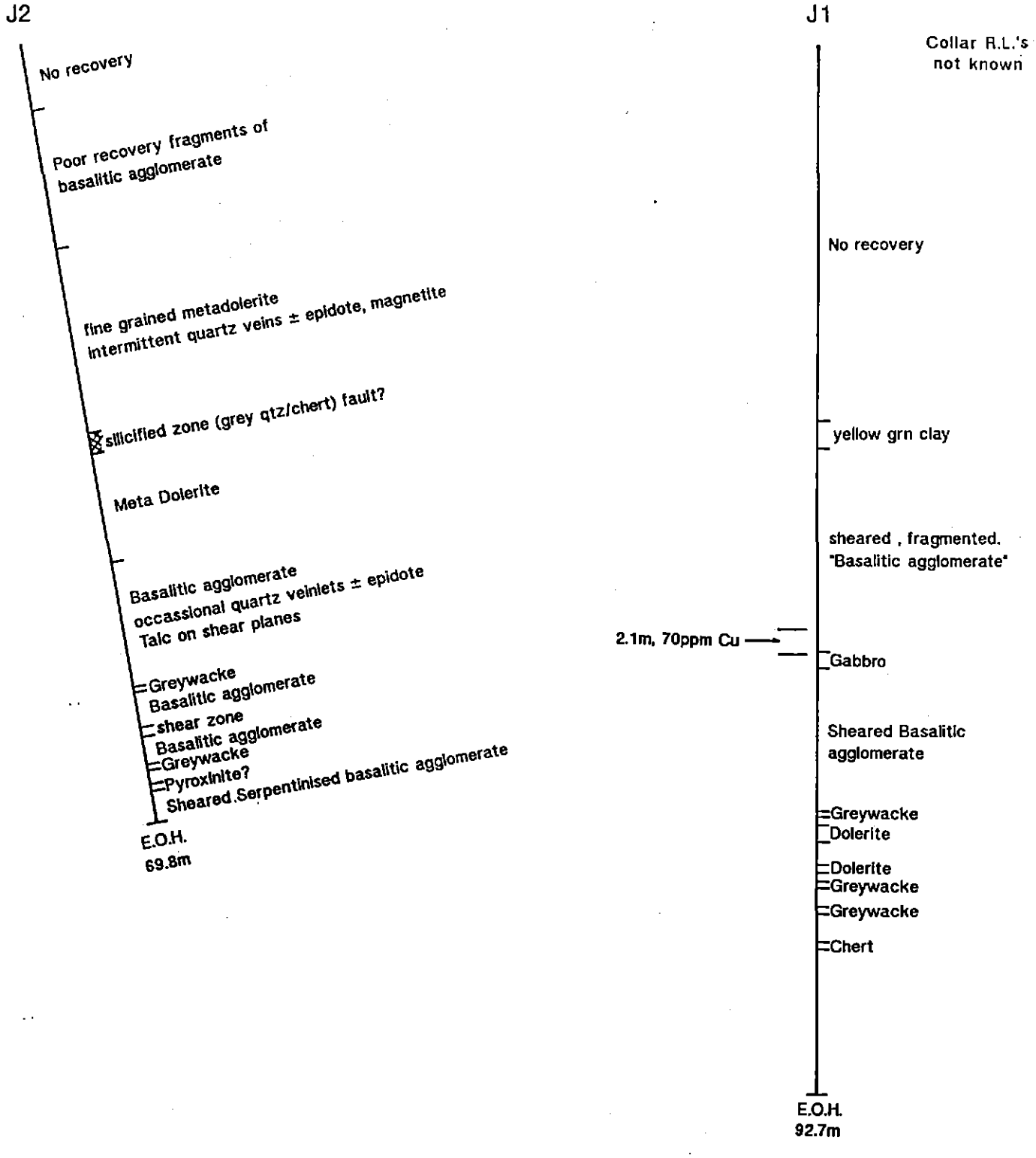
Drawing No. 02/HZ/5/06 | A.M.G. SK55 7915-11 | Fig. No. 5

314

7203390

WNW

ESE



5 cm

Section Azimuth 110° (Mag?)

0 10 20 30

metres

METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL21/85
Tasmania

Title: OLD JASPER MINE
GEOLOGICAL CROSS SECTION
DDH's J1, J2

Author W.H.	Date 10/88	Scale 1:500	
Drawn S.L.C.	Office PER	Revised	Date
Drawing No. 02/HZ/5/05	A.M.G. SK55 7915-11	Fig. No. 6	

APPENDIX I — Summary of T.D.M. Open File No 70-709
(Summary by W. Herrmann)

Comstaff P/L: "Review of 1969-70 Summer Exploration Programme, E.L. 1/68 TAS" (Author not stated)

In 1968-69 season Comstaff established a box work grid covering 4sq miles with lines at 1000ft intervals sampled at 100ft intervals along lines.

Geology

Serpentinized ultramafics and pyroxenites in northern part. These intrude and overlie (?) basic volcanic and hypabyssal rocks of central area. these have low-med regional metm. and in turn overlie a sequence of mixed sediments of the southern part of the area.
All these units are unconf. overlain to east by qtzite/sst sequence
(Sil-Devonian "Eldon Group" Correlates)

"Numerous occurrences of small scale sulphide mineralization were observed throughout the area".

Geochem

Central metabasic volc/hypabyssal rocks showed a number of interesting Cu soil anomalies. (Range 300-590ppm Cu).
Peaks of the anomalies were "pitted" (pits ranged from 0 to 18ft depth) in 1969-70 season and bedrock samples analysed and petrographically described.

Bedrock samples gave much lower Cu values (50-300ppm) and it was concluded that the soil geochem anomalies did not relate to significant bedrock copper anomalies.

Despite this (↑) conclusion close spaced (25ft) sampling was carried out on a small infill grid over The Jasper Hill area to cover a so called "dacite" body.
(Comstaff seems to have been chasing granitoid related mineralization).
Results of infill sampling showed no correlation between high copper and the "dacite outcrop".

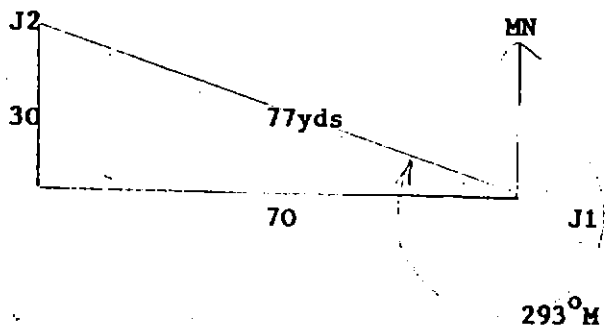
Further discussion, including references to petrographic descriptions, of the so-called "dacite" led to the conclusion that the "dacite" was "merely another instance of the patchy secondary silicification of the metadolerite". Futhermore, that the mineralization (Cu,Co,Ni in mullock of New Jasper mine) was not associated with a granodioritic/dacitic body.

Geophysics

68,000ft of SP traversing on grid showed only background type responses (except for ESPEA anomaly to east of grid) leading to conclusion that it was unlikely any sulphide ore bodies were present.

APPENDIX II **Comstaff P/L Jasper Drill Logs**
T.D.M. Open File No 71-815
(Summary by W. Herrmann)

Co-ords for J1,J2' are imperial 1000yd grid.
These indicate J2 is 70yds west and 30yds north of J1.
(i.e. 77yds on bearing 293°M.)



J1 Total depth 304' (92.7m)
Incl. Vertical
Collar 50S/27.5E (on 1000ft grid)

Drill log is nearly indecipherable.
J1 appears to have been logged by Mike ? to 189'6" and from 189'6" to 304' by John ?

As far as I can make out the condensed geological log is something like that over .....

JP1

(Ft)	(m)	
0-108'6"	0 - 33.1	No useful recovery.
108'6"-116	33.1 - 35.4	Yellow-green pug (clay?)
116-176	35.4 - 53.7	Generally sheared, fractured greengrey chloritic-serpentinitic (?) rock. Traces of fine dissem. pyrite, rare cpy, minor hematite and hematite alt chromite? (magnetite?) Base of (sulphide) oxidation seems to be about 150' (45m). Occasional jaspery patches, also angular frags of black, pale green and reddish chert. Interpreted to be sheared fragmental basalt ("agglomerate"). Patchy siliceous veining. Chlorite/talc associated with shearing. Matrix generally appears serpentinized. Some quartz veins with traces of sulphide and hematite.
176-180'	53.7 - 54.9	Gabbro (?) "Snowflake-texture")
180-221'3"	54.9 - 67.5	Sheared Basaltic "agglomerate" disseminated pyrite, partly oxidized.
221'3" -222'3"	67.5 - 67.8	Greywacke?
* * *	*	From here on the log only describes the intervals which are not "Shd. Bs Aggl".
226-230	68.9 - 70.2	Dolerite
237-238'9"	72.3 - 72.8	Dolerite
241'8"-242'10"	73.7 - 74.1	Greywacke?
748'3"-251'1"	75.7 - 76.6	Greywacke, lower contact 31° to LAOC
259'9"-261	79.2 - 79.6	Pal grey chert rich zone (siliceous alteration?) WH.

261'-265'4"	79.6 - 80.9	Unsheared Bs aggl.
265'4"-266'1"	80.9 - 81.1	Sheared Bs aggl.
266'1"-268	81.1 - 81.7	Unsheared Bs. Aggl.

J2 (Version 1)

Ft	(m)	
20–60	6.1 – 18.3	Poor recovery, fragments only, grn grey Bs/agglomerate/ dolerite?
60–115	18.3 – 35.1	f.g. (meta) Dolerite. Generally silicifed and chloritized (??) Intermittent qtz veins, ∈ epidote, mt. (?) in interval 70'–100'.
115–120	35.1 – 36.6	Silicified zone. Grey to black qtz/chert + epidote. Possibly associated with fault zone?
120–125	38.1	Meta Dolerite.
125–126	38.4	Brecc. Meta Dol.
126–142	43.3	Grey, green-blue Meta Dol. (less silicified) Intermittent fractured zones.
142–152	46.4	Buff col. friable (oxidized?) Meta Dol. transitional to Bs aggl. below↓
152–160	48.8	Buff to greenish (Basaltic?) agglom.
	BASE OF OXIDATION	
160–189'6"	57.8	Green Basaltic agglomerate. Occasional qtz (?) veinlets ∈ hematite selvedge. Black shiny octahedra in matrix (chromite?) Talc? on shear planes. 182'6" ½" band of greywacke

189'6"-189'7"		57.8	1" band greywacke 25° to core (LAOC?)
189'7"-191		58.2	Agglom as above
191'-191'3"		58.3	Shd/brecc. qtz vein.
191'3"-201		61.3	Bas. aggl. as above becoming increasingly sheared and serpentinized.
201-203		61.9	Shd. zone white v. qtz + Bs aggl in green pug.
203-210		64.0	Shd. Bs-agglom.
210-210'3"		64.1	Puggy zone.
210'3"-212'6"		64.8	Sheared serpentinized Bs agglom.
212'6"-212'9"		64.9	3" band gwcke ∠ CA 55°.
212'9"-217		66.2	Sheared Serp. Bs aggl.
217-217'3"		66.3	Pug.
217'3"-219'		66.8	Pyroxenite?, Hornbendite? Hbl/Px + Plag. porphyritic rock.
219-229	E.O.H.	69.8	Shd! Serp. Bs aggl.

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J2 (Version 2)

Ft

20-75'		Poor recovery. Grn grey Bs aggl. (Frags) Argillized/chloritized g/mass, frags (to 5mm) of black "chert". Also glassy vesicle infillings >5mm 1-2%vol.
75'-95'		As above? less weathered. Silicified? Poor recovery.
95'-97'		Brecciated zone, limonite infilling along fract //to core axis.
97'-115'		Basalt aggl/Meta Dolerite ?
115'-120'		Massive v. qtz/chert. Poor recov. (fragments only) grading into silicified Meta Dol/Basalt.
120-128'		Meta Dol/Basalt as above, still v. fractured.
128-128'6"		Brecc/shear zone, limonite sement.

General Log

20-145	6 - 44.2	Grey grn f.g. chloritized Basalt/agglom/Meta Dol. Blk green cherty "phenoclasts" qtz filled amygdales.
145-229	44.2 - 69.8	Sheared serpentinized dark green??

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APPENDIX III

1988 Percussion Drill Hole Logs

JP1 - JP14.

[redacted] SAM[redacted] LOCA[redacted] DETA[redacted] RE HI[redacted] CONF[redacted]ENTIAL [redacted] THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY / LAB ENTRY

METALS EXPLORATION LIMITED

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LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT — Cu	Ag	Au	TUBOU No.
1	0	2		Med. yellow brown soil.					
3	2	3		Med. yellow brown clayey soil, few stones wd. Bs.	723000	190	1	x	
4	3	4		" " " " " " "					
5	4	5		" " " " " " wd. Dol.					
7	5	6		As above, becoming more gritty	723001	155	1.5	x	
8	6	7		" " " " with Dolerite chips.					
9	7	8		" " " " tending to olive brown					
11	8	9		Med. yellow/olive brown, gritty soil, small mg. Dolerite chips	723002	220	2.0	x	
12	9	10		" " " " 20% wd. fg. Bs. chips					
13	10	11		" " " " 30% mixed Dol, Bs. chips					
15	11	12		Med. olive brown stony "C" soil, 30-40% fresh chips Bs, Dol.	723003	215	1.5	x	
16	12	13		" " " " "					
17	13	14		" " " " 50% chips Bs, Dol.					
19	14	15		Pale olive brown stony "C" soil, 20% chips Dol > Bs.	723004	155	1.5	0.065	
20	15	16		" " " powder, no chips					
21	16	17		Med. olive brown gritty powdered rock, no chips					
23	17	18		" " " " " " "	723005	240	0.5	x	
24	18	19		" " " " " " "					
25	19	20		Pale olive brown/grey fine powdered rock.					
27	20	21		Pale olive grey fine powdered rock, 10% chips fg. Bs, Dol;	723006	235	1	x	
28	21	22		" " " " " "					
29	22	23		" " " " " 10% chips f.g. Bs.					
30				(with minor veinlet si-Ep alteration in 22-23m)					
				CHECK SAMPLE					
				DETECTION		5	0.5	0.005	

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV.GEOL.DESCRIPTION. This form is not to be used for a detailed DDH log.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.
③ Rotary air blast drilling, use HOLE NUMBER. Hand [illegible]

EXAMPLES

MAXIMUM SAMPLE/LINE DESCRIPTION FILM RE

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: W. HERRMANN | MACHINE: HALCO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 180° | MAG./[redacted]

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: | DATE 13/4/88

PROSPECT OR PROJECT: EL. 21/85 HEAZLEWOOD | AREA OR GRID NAME: JASPER

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

LAB NOTES: Report No 1A2.2.08.05419 Cu, Ag by 101; Au by 309 | CHEMIST: ANALABS | DATE: 16 / 05 / 88

LOG & ANALYTICAL REPORT Sheet No. of A/O

720401

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

METALS EXPLORATION LIMITED

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FIELD ENTRY / LAB ENTRY

EXAMPLES :
① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV. GEOL. DESCRIPTION. This form is not to be used for a detailed D.D.H. log.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.
③ Rotary air blast drilling, use HOLE NUMBER, blank box for collar co-ords, FROM/TO, INTERVAL, GEOLOGICAL DESCRIPTION OF SAMPLE

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

MARKHAM I SAMPLE / LINE DESCRIPTION CAN BE ON LINE : PREFERRED

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER
	23	23.7		Pale olive grey powdered rock, no chips.	723007
	23.7	25.0		Cavity. Penetration without resistance, loss of air/cuttings return. Probably No 1 Adit of Old Jasper Workings.	
	25.0	E.O.H		Hole Abandoned at 25m.	

RESULTS IN P.P.M. UNLESS OTHERWISE STATED ; X = BELOW DETECTION LIMIT

SAMPLE NUMBER	Cu	Ag	Au						LAB. BOOK No.
723007	130	1.5	X						

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY : W. HERRMANN

MACHINE : HALCO

INCLINATION AT COLLAR : -45

BEARING AT COLLAR : 180° MAG./[redacted]

SAMPLE TYPE : Percn. Chips.

FIELD ENTRY BY :

DATE 15/4/88

CHECK SAMPLE : Detection

LAB. NOTES :

CHEMIST :

DATE : / /

PROSPECT OR PROJECT : E.L. 21/85 HEAZLEWOOD

AREA OR GRID NAME : JASPER

LINE No :

LOCATION ON LINE OR HOLE NUMBER : JP 1

LOG PAGE 2 OF 2

LOG & ANALYTICAL REPORT Sheet No. of A/O

720402

[redacted] SAMPLE LOCATION DETAILS ARE STRICTLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

EXAMPLES

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FIELD ENTRY / LAB ENTRY

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV GEOL. DESCRIPTION. This form is not to be used for a detailed DDH log.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.
③ Reverse air blast drilling, use HOLE NUMBER, blank box for cutter co-ords, FROM/TO, INTERVAL, GEOLOGICAL DESCRIPTION OF SAMPLE

MAXIMUM SAMPLE/LINE DESCRIPTION CAN BE

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Cu	Ag	Au	TUBE No
	0	2		Med. Brown 'B' Horizon soil with small stones, ex Talus.	723008	320	1.5	X	
	2	3		" " " " " "					
	3	4		" " " " " "	723009	295	0.5	X	
	4	5		" " " " " "					
	5	6		" " " " " "					
	6	7		" " " " " "	723010	300	1	X	
	7	8		" " " " " "					
	8	9		" " " " " "					
	9	10		Weathered dike brown basalt, 1" Mt.	723011	95	2	X	
	10	11		" " "					
	11	12		No return (air or cuttings)					
	12	13		No return (air or cuttings)					
	13	E.O.H		Hole Abandoned at 13m.					

CHECK SAMPLE				
Detection	5	0.5	0.005	

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: W. HERRMANN (am) K. MORRISON (9-13m) MACHINE: HALCO INCLINATION AT COLLAR: -45° BEARING AT COLLAR: 00° MAG/[redacted]

SAMPLE TYPE: Percussion Chip. FIELD ENTRY BY: DATE 16/4/88

LAB NOTES: Methods: 101 101 309 CHEMIST: ANALABS

Report № 112.2.08.0514 DATE: 16 / 5 / 88

PROSPECT OR PROJECT: E.L. 21/85 HEATHERWOOD AREA OR GRID NAME: JASPER

LINE No: LOCATION ON LINE OR HOLE NUMBER: JP2 LOG PAGE 1 OF 1

LOG & ANALYTICAL REPORT Sheet No. of A/O

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO THE LABORATORY

FIELD ENTRY / LAB ENTRY

METALS EXPLORATION LIMITED

720404

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EXAMPLES

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV. GEOL. DESCRIPTION. This form is not to be used for a detailed DDH log.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.
③ Rotary or blast drilling, use HOLE NUMBER, blank box for color or -work, FROM/TO, INTERVAL, GEOLOGICAL DESCRIPTION OF SAMPLE

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Cu	Ag	Au	TUBE No.
	0	1		Collaring (Not Sampled?)					
	1	2		" "					
	2	3		fg-mg. olive brown Basalt. Slightly magnetic	723012	230	x	x	
	3	4		" " "					
	4	5		" " "					
	5	6		" " "					
	6	E.O.H.		Abandoned at 6m.					

Drilling Notes:

None.

Minimise loss of air circulation in permeable talus/overburden? (V.H.)

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: K. Morrison | MACHINE: HALCO | INCLINATION AT COLLAR: -45 | BEARING AT COLLAR: 190° | MAG / [redacted]

SAMPLE TYPE: RAB / Percussion Chips. | FIELD ENTRY BY: | DATE: 13/4/88

PROSPECT OR PROJECT: EL 21/85 HEARLEWOOD | AREA OR GRID NAME: JASPER

LINE No: | LOCATION ON LINE OR HOLE NUMBER: TP3 | LOG PAGE 1 OF 1

CHECK SAMPLE	Cu	Ag	Au
Detection	5	0.5	0.01

LAB. NOTES: Methods: 101 101 309 | CHEMIST: ANALABS

LAB REPORT No: 42.2.08.05436 | DATE: 17 / 5 / 88

LOG & ANALYTICAL REPORT Sheet No. of A/O

MAXIMUM SAMPLE/LINE DESCRIPTION CAN BE >1 LINE, 1 PREFERRED

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY / LAB. ENTRY

METALS EXPLORATION LIMITED

720405

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EXAMPLE3

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV. GEOL. DESCRIPTION. This for m is not to be used for a detailed DDH log.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.

MAXIMUM 1 SAMPLE/LINE

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER
	0	2.0	2.0	Red brown clay	
	2.0	3.0	1.0	Red-brown clay - some small ferrug. chips (Rec 100)	
	3.0	4.0	1.0	Red-brown clay - slightly wet (Rec. 60)	
	4.0	5.0	1.0	Red brown clay - some chips of wh basalt (Rec 70%)	
	5.0	6.0	1.0	Red-brown clay - some chips of fine. basalt Recovery 10%	
	6.0	7.0		No sample return	
	7.0	8.0			
	8.0	9.0			
				Abandon hole at 9.0 metres	

RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT

MAP, AIR PHOTO OR DRAWING No.: C/S A1 - 3075

LOGGED BY: D. SIMPSON | MACHINE: HALCO 400 | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 00° | MAG./GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: D. SIMPSON | DATE: 20/4/85

PROSPECT OR PROJECT: EL 21/85, HEARLEWOOD | AREA OR GRID NAME: JASPER MINE

LINE No.: | LOCATION ON LINE OR HOLE NUMBER: JP4 | LOG PAGE 1 OF 1

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY / LAB ENTRY

METALS EXPLORATION LIMITED

720406

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EXAMPLES

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV.GEOL.DESCRIPTION. This form is not to be used for a detailed DDH log.

② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.

MAXIMUM 1 SAMPLE / LINE

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Cu	Ag	Au						JOB No
	0	2.0	2.0	Partly mentioned pyroxenite Rec. 50%.	723014	95	2	X						
	2.0	3.0	1.0	Fresh greenish grey pyroxenite Rec. 90%.										
	3.0	4.0	1.0	Fresh pyroxenite chips & dust Rec 100%										
	4.0	5.0	1.0	Fresh greenish grey pyroxenite Rec. 100	723015	15	2	X						
	5.0	6.0	1.0	Fresh greenish grey pyroxenit Rec 100										
	6.0	7.0	1.0	" " " "										
	7.0	8.0	1.0	Fresh greenish grey pyroxenite Rec 100	723016	15	2	X						
	8.0	9.0	1.0	" " " " "										
	9.0	10.0	1.0	" " " " "										
	10.0	11.0	1.0	" " " " "	723017	15	1	X						
	11.0	12.0	1.0	" " " " "										
	12.0	13.0	1.0	Concentric grey fresh pyroxenite Rec 100. No sulphides.										
	13.0	14.0	1.0	" " " " "	723018	10	0.5	X						
	14.0	15.0	1.0	" " " " "										
	15.0	16.0	1.0	" " " " "										
	16.0	17.0	1.0	" " " " "	723019	20	1	0.01						
	17.0	18.0	1.0	" " " " "										
	18.0	19.0	1.0	" " " " " Rock										
	19.0	20.0	1.0	Fresh fine grained greenish grey pyroxenite. 100	723020	15	0.5	0.01						
	20.0	21.0	1.0	Fresh fine grained greenish grey pyroxenite 100										
	21.0	22.0	1.0	" " " " " 70										
	22.0	23.0	1.0	" " " " " 100	723021	10	1	X						
	23.0	24.0	1.0	Fresh greenish grey pyroxenite. 70										
	24.0	25.0	1.0	" " " " 100										
	25.0	26.0	1.0	" " " " " 100	723022	10	1.5	0.01						
	26.0	27.0	1.0	As above more trace of pyrite 100										
	27.0	28.0	1.0	" " " " " 30										
	28.0	29.0	1.0	" " " " " 100	723023	15	X	X						
	29.0	30.0	1.0	" " " " and magnetite 100										
				Hole ext at 30										

CHECK SAMPLE		5	0.5	0.005									
Detection													
LAB NOTES: Method		101	101	309									
LAB REPORT No	182.2.08.05419												

CHEMIST: ANALABS

DATE: 16 / 5 / 88

MAP, AIR PHOTO OR DRAWING No. (12,011 ; 3775)

LOGGED BY: D. SIMPSON | MACHINE: HALCO 400 | INCLINATION AT COLLAR: -45 | BEARING AT COLLAR: 180 | MAG./GRID

SAMPLE TYPE: PERCUSSION CHIP | FIELD ENTRY BY: D. SIMPSON | DATE: 9/4/85

PROSPECT OR PROJECT: EL 21/85, HEINZLEWOOD | AREA OR GRID NAME: JASPER MINE

LINE No: | LOCATION ON LINE OR HOLE NUMBER: JP5 | LOG PAGE 1 OF 2

LOG & ANALYTICAL REPORT Sheet No. of A/O

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY | LAB ENTRY

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EXAMPLES :

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV.GEOL.DESCRIPTION. This form is not to be used for a detailed GEOLOG.

② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.

③ Reverse air blast drilling, use HOLE NUMBER, blank box for collar co-ords, FROM/TO, INTERVAL, GEOLOGICAL DESCRIPTION OF SAMPLE

MAXIMUM SAMPLE/LINE DESCRIPTION CAN BE

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Cu	Ag	Au	TUCSUC No.
	30.0	31.0	1.0	Greenish grey fine grained pyroxenite NO fines Recov. 10%					
	31.0	32.0	1.0	Greenish grey fine grained pyroxenite; tr py. Rec 60	723024	10	0.5	X	
	32.0	33.0	1.0	" " " " " " Rec 50					
	33.0	34.0	1.0	" " " " " tr py & rare magnetite Rec 90%	723025	10	1.0	X	
	34.0	35.0	1.0	Greenish grey f. gr. pyroxenite; tr. py and magnetite Rec 70.					
	35.0	36.0	1.0	Greyish green f. gr. fresh pyroxenite tr. qtz (?) tr. py and minor magnetite (100)					
	36.0	37.0	1.0	Greyish green f. gr pyroxenite with minor serpentine; tr py and magnetite (100)	723026	10	1	X	
	37.0	38.0	1.0	As above with minor qtz (?), serpentine, magnetite and tr py. (100)					
	38.0	39.0	1.0	Greyish green f. gr. pyroxenite with v. rare py & mgt (100)					
	39.0	40.0	1.0	As for 39-40 but with tr. qtz (?) (100)					
	40.0	41.0	1.0	As above minor mgt, tr py + white columnar mineral (not qtz) (100)	723027	10	0.5	X	
	41.0	42.0	1.0	As for 40-41.0 / white min not present) (100)					
	42.0	43.0	1.0	As for 41.0-42.0 (100)					
	43.0	44.0	1.0	As for 41.0-42.0. (30)	723028				
	44.0	45.0	1.0	" " " (60)					
	45.0	46.0	1.0	Greyish green f. gr. pyroxenite with tr magnetite (100)	723029	10	0.5	0.02	
	46.0	47.0	1.0	As for 45-46 but with 10% clay coated (70)					
	47.0	48.0	1.0	As above. Tr. wh. min + no py or mgt. (40)					
	48.0	49.0	1.0	50% Greyish green pyroxenite & 50% v.f.gr. black basalt (?) tr. qtz (?)	723030	10	0.5	X	
	49.0	50.0	1.0	As for 48.0-49.0.					
				50.0 m = End of hole.					

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: JP5. LOG PAGE 2 OF 2.

CHECK SAMPLE

LAB. NOTES: CHEMIST: ANMARC DATE: 16 / 5 / 88

LOG & ANALYTICAL REPORT Sheet No. of A/O

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

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FIELD ENTRY | LAB. ENTRY

EXAMPLES:
① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV.GEOL.DESCRIPTION. This form is not to be used for a detailed DDH log.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.
③ Rock, or bank drilling, use HOLE NUMBER, blank box for collar co-ords., FROM/TO, INTERVAL, GEOLOGICAL DESCRIPTION OF SAMPLE.

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

MAXIMUM SAMPLE/LINE DESCRIPTION CAN BE

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT — Cu	Ag	Au	LAB. No.
	0	2		Colluvium. Clay and partly wd. grn/grey Breccia?	723031	15	0.5	X	
	2	3		As above. partly serpentinized					
	3	4		Oxidized pebbles and fragments of Pyroxenite. Fill?	723032	15	0.5	X	
	4	5		Oxidized greenish grey Pyroxenite. Trace chert + Mt.					
	5	6		Green grey partly serpentinized pyroxenite. Partly ox.					
	6	7		No sample return					
	7	8		" "					
	8	9	E.O.H.	" "					
				Hole abandoned at 9 m.					
				Drilling Notes:					
				None.					
				Hole probably abandoned due to loss of air return in permeable talus/overburden?					

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: D. SIMPSON | MACHINE: HALCO. | INCLINATION AT COLLAR: -45 | BEARING AT COLLAR: 180° MAG.

SAMPLE TYPE: RAB/Percussion Chips. | FIELD ENTRY BY: | DATE: 26/4/88

PROSPECT OR PROJECT: EL 21/85 HEAZLEWOOD | AREA OR GRID NAME: JASPER

LINE No: | LOCATION ON LINE OR HOLE NUMBER: JP 6 | LOG PAGE 1 OF 1

CHECK SAMPLE		Cu	Ag	Au					
Detection		5	0.5	0.005					
LAB. NOTES: Method:		101	101	309				CHEMIST: ANALABS	
LAB. REPORT No		142.2.08.05419						DATE: 16 / 5 / 88	

LOG & ANALYTICAL REPORT Sheet No. of A/O

[redacted] SAMPLES [redacted] LOCATION [redacted] DETAILS [redacted] HERE [redacted] CONFIDENTIAL [redacted] THIS FORM ONLY FOR SAMPLES GOING TO N.E.L. LABORATORY [redacted]

FIELD ENTRY / LAB ENTRY

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THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED

① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV. GEOL. DESCRIPTION. This form is not to be used for a detailed DDH log.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.
③ Rotary air blast drilling, use HOLE NUMBER, blank box for color or rock, FROM/TO, INTERVAL, GEOLOGICAL INFORMATION as given.

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M UNLESS OTHERWISE STATED, X = BELOW DETECTION LIMIT — Cu	Ag	Au	TUBE No.
1	0	1		Brownish clay	723033	25	0.5	X	
2	1	2		" "					
3	2	3		Brown and khaki grey clay.					
4									
5	3	4		As above.	723034	20	1.5	X	
6	4	5		Pale grn. grey Serp. ex Px. Some clay.					
7	5	6		Pale grn grey Serpentinite ex Px. Acces. Chr.					
8									
9	6	7		Pale grn to grn. grey Serp. and Talc (30%) Acc. Chr, Py.	723035	40	1	X	
10	7	8		As above (No pyrite)					
11	8	9		Pale grn. grey talcose Serp. Minor grn. Serp.					
12									
13	9	10		Talcose Serpent into 90%. Minor grn. Serp. Tr. Chr.	723036	35	1.5	X	
14	10	11		" " "					
15	11	12		" " " Trace copper py					
16									
17	12	13		As above. Rare pyrite	723037	55	1	X	
18	13	14		" "					
19	14	15		Pale grn. grey talcose serp. Acc. chromite, trace gtz?					
20									
21	15	16		As above, without quantity.	723038	30	0.5	X	
22	16	17		As above, trace quantity					
23	17	18		Talc. alt. Serp. 5% quantity, trace Py.					
24									
25	18	19		As above, without quantity.	723039	15	0.5	X	
26	19	20		" "					
27	20	21		" "					
28									
29									
30									

MAXIMUM 1 SAMPLE/LINE
DESCRIPTION CAN BE

MAP, AIR PHOTO OR DRAWING No.				
LOGGED BY: D. SIMPSON	MACHINE: HAGGO	INCLINATION AT COLLAR: -45	BEARING AT COLLAR: 180° MAG./GRID	
SAMPLE TYPE: Rock/ Percussion Chips	FIELD ENTRY BY:	DATE: 26/4/88		

CHECK SAMPLE		Cu	Ag	Au
Detection		5	0.5	0.005
LAB. NOTES: Method		101	101	309
LAB. REPORT No.	142.2	09.05419		

CHEMIST: ANALABS
DATE: 16 / 5 / 88

PROSPECT OR PROJECT: EL 21/85 HEADLEWOOD
AREA OR GRID NAME: JASPER
LINE No:
LOCATION ON LINE OR HOLE NUMBER: JP 7
LOG PAGE 1 OF 3

LOG & ANALYTICAL REPORT Sheet No. of A/O

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.I.. LABORATORY

FIELD ENTRY / LAB. ENTRY

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EXAMPLES

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED

① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV GEOL. DESCRIPTION. This form is not to be used for a detailed DDH log
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE etc.
③ Rotary air blast drilling, use HOLE NUMBER, blank box for collar co-ords, FROM/TO, INTERVAL, GEOLOGICAL DESCRIPTION OF SAMPLE

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Cu	Ag	Au	TRENCH No.
	21	22		Mc. grn. Serp and pale greyish talc alt Serp 50/50, tr chr/Mt	723040	15	1.5	0.01	
	22	23		" " " "					
	23	24		" " " "					
	24	25		" " "	723041	15	1.5	0.04	
	25	26		" " "					
	26	27		Locally talc altered f.gr. Pyroxenite (?)					
	27	28		" " " "	723042	10	0.5	X	
	28	29		" " " "					
	29	30		" " " " silt minor qtz.					
	30	31		Partly talc altered Pyroxenite, trace chromite	723043	15	0.5	X	
	31	32		" " " "					
	32	33		" " " "					
	33	34		" " " trace Mt, chr.	723044	10	1	X	
	34	35		As above. Talc content ~ 20%. Trace Mt.					
	35	36		" " " "					
	36	37		Serpent inj'd pyroxenite, locally talc alt.	723045	10	1.5	X	
	37	38		" " , minor talc alt.					
	38	39		" " "					
	39	40		Serp/talc alt. pyroxenite, trace Mt.	723046	30	1	0.04	
	40	41		Serp/talc. Unidisble (wet) sample.					
	41	42		Serpentinized pyroxenite, minor talc. tr. Mt.					

MAXIMUM SAMPLE/LINE

DESCRIPTION CAN BE

MAP, AIR PHOTO OR DRAWING No.:

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

SAMPLE TYPE: FIELD ENTRY BY: DATE: / /

CHECK SAMPLE

LAB. NOTES: CHEMIST: ANALABS

LAB. REPORT No. 142.2-DB.05419 DATE: 16 / 5 / 88

PROSPECT OR PROJECT: EL 21/85 HEAZLEWOOD AREA OR GRID NAME: JASPER

LINE No: LOCATION ON LINE OR HOLE NUMBER: JP 7 LOG PAGE 2 OF 3

LOG & ANALYTICAL REPORT Sheet No. of A/O

SAM LOCA DETA RE H CON TIAL — HIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY / LAB. ENTRY

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EXAMPLES:

① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV.GEOL.DESCRIPTION. This form is not to be used for a detailed DDH log.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.

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MAXIMUM 1 SAMPLE / LINE

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT — Cu	Ag	Au	TUBE No
1	42	43		Red - Dk green Serp. ± Pyroxenite; trace talc, Mt.	723047	20	1.5	x	
2	43	44		" " " "					
3	44	45		" " " "					
4									
5	45	46		" " ; trace Mt, qtz.	723048	15	1.5	0.005	
6	46	47		Red. green Serpentinite; trace Mt.					
7	47	48		" " "					
8									
9	48	49		" " velict Px fabric, trace Mt.	723049	20	1	x	
10	49	50	E.O.H.	" " " "					
11									
12									
13				DRILLING NOTES.					
14									
15									
16				0-4 m. 4½" Retractor Bit.					
17				4-50 m. 3½" Downhole Hammer.					
18									
19				Strong water inflow beyond 41 m.					
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

MAP, AIR PHOTO OR DRAWING No.:

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

SAMPLE TYPE: FIELD ENTRY BY: DATE: / /

CHECK SAMPLE

LAB. NOTES: CHEMIST: DATE: / /

PROSPECT OR PROJECT: AREA OR GRID NAME: JASPER

LINE No.: LOCATION ON LINE OR HOLE NUMBER: JP 7 LOG PAGE 3 OF 3

LOG & ANALYTICAL REPORT Sheet No. of A/O

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.I. LABORATORY

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FIELD ENTRY | LAB ENTRY

EXAMPLES

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS in P.P.M. UNLESS OTHERWISE STATED, X = BELOW DETECTION LIMIT — Cu	Ag	Au	SAMPLE No.
	0	1		Med bl. brown clay ?	723050	190	1	X	
	1	2		Med. grn. grey gritty clay.					
	2	3		" " " Some whitish spots ex fsp?]					
	3	4		Dk. grn. grey clay, occas. chips qtz, wk. serp? ?	723051	185	0.5	X	
	4	5		Dk. grn. clay. 10% chips wk. Bs, occas Bs and Serp.]					
	5	10		No useful Recovery. Drilling in heavy, sticky clay sticking to walls of hole. Pulled rods several times to clear, attempted to drill with water injection. Dark green clay with occasional chips partly wk. Serp.					
	10	11	EOH	Wet, sticky pale blue grey/brown clay, 10% chips of dark green serpentinite. Sample from material on rods.	723053	140	0.5	X	
				Drilling Notes:					
	0	11		3½" Downhole Hammer. Generally poor recovery. Casing driven to 10m. depth. Then attempted to drill with water. Pulled rods 4 times in attempt to clear hole. Hole abandoned in clay at 11m.					

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: W. HERRMANN | MACHINE: KAICO | INCLINATION AT COLLAR: -45 | BEARING AT COLLAR: 180° | MAG / GRID

SAMPLE TYPE: | FIELD ENTRY BY: | DATE 27/4/88

PROSPECT OR PROJECT: EL 21/85 HEAZLEWOOD | AREA OR GRID NAME: JASPER

LINE No: | LOCATION ON LINE OR HOLE NUMBER: JP 8 | LOG PAGE 1 OF 1

CHECK SAMPLE	Cu	Ag	Au
Detection	5	0.5	0.005
LAB. NOTES: Method	101	101	309
LAB REPORT No. 142.02.08.05419			

CHEMIST: ANALABS DATE: 16 / 5 / 88

LOG & ANALYTICAL REPORT Sheet No. of A/O

[redacted] SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY / LAB. ENTRY

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EXAMPLES

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV. GEOL. DESCRIPTION. This form is not to be used for a detailed DDH log.

② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.

MAXIMUM 1 SAMPLE/LINE

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER
	0	1		Loose, brown stony soil. [redacted].	723054
	1	2		" " "	
	2	3		As above. Abundant stones weathered brown f.g. Basalt	
	3	8.5	E.O.H.	No useful returns.	
				Hole abandoned at 8.5 m.	
				Drilling Notes:	
				3½" Downhole hammer.	
				Casing ?	
				Hole abandoned due to loss of air circulation and sample return, from 3 m onwards. Air seems to be escaping sideways or ahead of bit in permeable unconsolidated talus or overburden.	

RESULTS IN P.P.M. UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT

	Cu	Ag	Au						
	140	1	X						
CHECK SAMPLE									
Detection	5	0.5	0.005						
LAB. NOTES: Method	101	101	309						
LAB. REPORT No.	1A2-02-08-05419								

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: W. HERRMANN | MACHINE: HAECO | INCLINATION AT COLLAR: -45 | BEARING AT COLLAR: 180° | MAG./GRID

SAMPLE TYPE: Percussion chips. | FIELD ENTRY BY: | DATE: 27/2/88

CHEMIST: ANMAB | DATE: 16 / 5 / 88

PROSPECT OR PROJECT: EL 2/85 HEARLEWOOD | AREA OR GRID NAME: JASPER

LINE No: | LOCATION ON LINE OR HOLE NUMBER: JP 9. | LOG PAGE 1 OF 1

LOG & ANALYTICAL REPORT Sheet No. of A/O

[redacted] SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL [redacted] THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY / LAB. ENTRY

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EXAMPLES

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV. GEOL. DESCRIPTION. This form is not to be used for a detailed DDH log.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.
③ Rotary or blast drilling, use HOLE NUMBER, Mark bag tag color on rods, FROM/TO, INTERVAL, GEOLOGICAL DESCRIPTION OF SAMPLE

MAXIMUM SAMPLE/LINE DESCRIPTION CAN BE WITHIN 4 DIRECTIONS

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Cu	Ag	Au	TUBE No.
	0	3		Poor recovery, rubbly clay grn/brown colours. Stones a mixture of weathered amygd. Basalt and rather fissile partly oxidized serpentinite. Not Sampled.					
	3	5.5		Rubbly grn/brown clay, stones silicified amyg. Basalt & oxidized sulphidic PyCpy veins etc, lesser green serpentinite. (Mullock)	723055	2550	1	0.02	
	5.5	6		Sticky dk. bluish grey clay, weathered Serp.?					
	6	7		Dk. grn/blue grey heavy clay	723056	305	1	0.105	
	7	8		" "					
	8	9		" "					
	9	10		Good return. Dry. Pale grn. grey Talc and Serp.	723057	85	0.5	X	
	10	11		" " " "					
	11	15	E.O.H.	No cuttings returned.					

Drilling Notes:

0–11 4½" Retractor Bit.
0–1 Casing Set. (100 mm class 12 uPVC)
11–15 3½" Downhole Hammer.
No cuttings returned with hammer air probably escaping into unconsolidated material above 5.5m., reduced air flow through hammer insufficient to lift cuttings. Could probably drill this better with retractor bit.

CHECK SAMPLE					
Detection		5	0.5	0.005	
LAB. NOTES: Method		101	101	309	CHEMIST: ANALABS
LAB. REPORT No		142.2.08.05419			DATE: 16 / 5 / 88

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: W. HERRMANN | MACHINE: HALCO | INCLINATION AT COLLAR: −45° | BEARING AT COLLAR: 00 | MAG./[redacted]

SAMPLE TYPE: RAB/Percussion Chip. | FIELD ENTRY BY: | DATE 27/4/88

PROSPECT OR PROJECT: EL 21/85 HEAZLEWOOD | AREA OR GRID NAME: JASPER

LINE No: | LOCATION ON LINE OR HOLE NUMBER: JP 10 | LOG PAGE 1 OF 1

LOG & ANALYTICAL REPORT Sheet No. of A/O

SAM[illegible] LOCA[illegible] DETA[illegible]ARE HIG[illegible]Y CONI[illegible]TIAL HIS F[illegible] ONLY [illegible] SAMPL[illegible] GOING TO M.E.L. LABORATORY

FIELD ENTRY / LAB ENTRY

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EXAMPLES

① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV.GEOL.DESCRIPTION. This form is not to be used for a detailed D.D.H. log.

② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

MAXIMUM 1 SAMPLE/LINE

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Cu	Ag	Au	TUBE No.
	0	1		Not Sampled.					
	1	2		Mod. orange-brown stony clay, 2% stones wd. Serp. ex Px.	723058	140	1	X	
	2	3		Light olive grey clay.					
	3	4		Pale bluish grey talcose? altered Serpentinite	723059	50	1	X	
	4	5		" " "					
	5	6		" " "					
	6	7		Pale grey talcose? altered Serpentinite	723060	30	0.5	X	
	7	8		" " "					
	8	9		" " "					
	9	10		" " "	723061	30	0.5	X	
	10	11		" " "					
	11	12		" " "					
	12	13		Pale grey pulverised rock. 5% chips talc? alt. Serp.	723062	40	1	X	
	13	14		" " "					
	14	15		" " "					
	15	16		" " "	723063	30	0.5	X	
	16	17		" " occasional qtz. vein chips.					
	17	18		" " —					
	18	19		As above, minor qtz veinlet chips	723064	30	0.5	X	
	19	20		" " "					
	20	21		" " "					

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: W HERRMANN | MACHINE: HAECO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 120° | MAG/[redacted]

SAMPLE TYPE: RAB/Percussion Chip | FIELD ENTRY BY: | DATE 20/4/88

PROSPECT OR PROJECT: EL 21/85 HEAZLEWOOD | AREA OR GRID NAME: JASPER

LINE No: | LOCATION ON LINE OR HOLE NUMBER: JP 11 | LOG PAGE 1 OF 3

CHECK SAMPLE	Cu	Ag	Au
Detection	5	0.5	0.005
LAB. NOTES: Method:	101	101	309

CHEMIST: ANAMAS

LAB. REPORT No: 142.2.08.05419 | DATE: 16 / 5 / 88

LOG & ANALYTICAL REPORT Sheet No. of A/O

SAM ... LOCA ... DETA ... RE H ... CONI ... TIAL ... HIS F ... UNLY ... AMPL ... OXING TO M.E.L. LABORATORY

FIELD ENTRY / LAB. ENTRY

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EXAMPLES

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Cu	Ag	Au
1	21	22		Pale grey pelv. w/mafic rock. 5% chips Serp, talc?, vein qtz.	723065	50	1	X
2	22	23		" " " "				
3	23	24		" " " "				
4								
5	24	25		Pale grey pelv. w/mafic rock. 5% chips Serp, talc?, minor v. qtz	723066	30	0.5	X
6	25	26		" " " "				
7	26	27		" " " "				
8								
9	27	28		Pale grey pelv. w/mafic rock. ~2% chips Serp, talc (1:2) minor qtz	723067	95	1	X
10	28	29		" " " "				
11	29	30		" " " "				
12								
13	30	31		" " " "	723068	50	1.5	X
14	31	32		As above. 31.5 - 32.0 m, with strong Hematite staining.				
15	32	33		" Hematite stained chips about 30% of chips				
16								
17	33	34		As above. Hematite stained chips diminished to 10% of chips	723069	35	1.5	X
18	34	35		Pale grey pelv. w/mafic. 5% fine chips Serp, talc?, minor v. qtz.				
19	35	36		As above. Minor, Hematite stained jasperoy matl. veins?				
20								
21	36	37		Pale grey pelv. w/mafic. Chips: Serp. and Talc. all Serp. 10% white v. qtz	723070	30	0.5	X
22	37	38		As above. Also approx. 10% (of chips) jasperoy silica ± barren pyrite.				
23	38	39		" " "				
24								
25	39	40		As above. Rare jasperoy fragments.	723071	30	1.5	X
26	40	41		As above (No sulphides)				
27	41	42		As above. Chips: Serp, talc? all Serp. 10% qtz, 10% jasper				
28								
29								
30								

MAXIMUM SAMPLE/LINE DESCRIPTION TAN RE

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: W. HERRMANN | MACHINE: | INCLINATION AT COLLAR: | BEARING AT COLLAR: | MAG./GRID:

SAMPLE TYPE: | FIELD ENTRY BY: | DATE: / /

PROSPECT OR PROJECT: EL 21/85 HEAZLEWOOD | AREA OR GRID NAME: JASPER

LINE No.: | LOCATION ON LINE OR HOLE NUMBER: JP 11 | LOG PAGE 2 OF 3

CHECK SAMPLE: Detection

LAB NOTES: Method | CHEMIST: ANALABS

LAB. REPORT No: 142.2.08.05419 | DATE: 16 / 5 / 88

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

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY / LAB. ENTRY

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EXAMPLES

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Cu	Ag	Au	Au Chk.
42	43		Pale grey pulv. w/rafic. Chips as for 41-42 m.	723072	35	1.5	X	
43	44		" " Chips: pale grey Serp, Talc? 10% wht. qtz					
44	45		" " " 5% wht. qtz					
45	46		As above	723073	20	0.5	X	0.05
46	47		"					
47	48		"					
48	49		As above. Minor (10%) fine grained pyrite & chips	723074	15	1.	X	
49	50		Pale grey pulv. w/rafic rock. 20% chips Serp, Talc, minor v. qtz					
50	51	EOH	" " " Med grn Serp + pale grey talc. No qtz					
			Drilling Notes:					
0	8		4½" Retractor Bit (Open Hole)					
0	3		Casing Set. (100mm Class 12 uPVC)					
8	51		3½" Downhole Hammer.					
			General comment: good first drilling with good sample return.					
			Note: Au Check assay of 0.05 g/t on 723073 is peculiar. Could this mean 0.005?					

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

© Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV.GEOL.DESCRIPTION. This for m is not to be used for a downhole O.D.H. log.
© Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.
© Rotary air blast drilling, use HOLE NUMBER, blank box for collar co-ords, FROM/TO, INTERVAL, GEOLOGICAL DESCRIPTION OF SAMPLE

MAXIMUM 1 SAMPLE/LINE
DESCRIPTION CAN BE 2 LINE, 1 PREFERRED

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: [signature]

MACHINE:

INCLINATION AT COLLAR:

BEARING AT COLLAR:

MAG./GRID

SAMPLE TYPE:

FIELD ENTRY BY:

DATE: / /

PROSPECT OR PROJECT: Ex. 21/85 HEATHERWOOD

AREA OR GRID NAME: JASPER

LINE No:

LOCATION ON LINE OR HOLE NUMBER: JP 11

LOG PAGE 3 OF 3

CHECK SAMPLE

LAB NOTES:

CHEMIST: ANALABS

LAB. REPORT No: 142.2.08.0549

DATE: 16 / 5 / 88

LOG & ANALYTICAL REPORT Sheet No. of A/O

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY / LAB ENTRY

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EXAMPLES

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV GEOL. DESCRIPTION.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.
③ Rotary air blast drilling, use HOLE NUMBER, blank line for color co-ords, FROM/TO, INTERVAL, GEOLOGICAL DESCRIPTION for color.

MAXIMUM 1 SAMPLE / LINE

DESCRIPTION CAN BE

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M UNLESS OTHERWISE STATED, X = BELOW DETECTION LIMIT — Cu	Ag	Au	TUBE No.
	0	1		Not sampled.					
	1	2		Red. orange brown clayey soil	723075	180	1.5	0.06	
	2	3		" " " "					
	3	4		Red. orange brown soil with stones & wd. schist? amyg. Bs?	723076	460	0.5	X	
	4	5		" " " " "					
	5	6		" " " " "					
	6	7		Brown clayey "B" soil, 30% stones wd, wkly alt. amyg. Bs.	723077	80	0.5	X	
	7	8		Red olive grey compact clay.					
	8	9		" " " " . Few chips talc/serp.					
	9	10		Pale blue/green grey serpentinite, foliated + clayey, 50% chips	723078	50	2	X	
	10	11		" " " "					
	11	12		" " " , rather sheared, soft					
	12	13		Pale bl/gr grey — med. gr gray soft, sheared Serpentinite.	723079	65	2	X	
	13	13.5		" " " " "					
	13.5			Lost circulation in soft, sheared serpentinite.					
	13.5	15		No sample return.					
	15.0	E.O.H.		Hole abandoned at 15 m.					

Drilling Notes:

0	11	4½" Retractor Bit
0	3	Casing (100 mm — Class 12 UPVC)
11	15	3½" Downhole Hammer

	Cu	Ag	Au
CHECK SAMPLE Detection:	5	0.5	0.005
LAB. NOTES: Method:	101	101	309

CHEMIST: ANALABS

DATE: 16 / 5 / 88

LAB. REPORT Nº 1d2.2.OR.05419

MAP, AIR PHOTO OR DRAWING No.

COLLAR CO-ORDS 300E / 090N

LOGGED BY: W. HERRMANN

MACHINE: HALCO

INCLINATION AT COLLAR: −45°

BEARING AT COLLAR: 285° MAG./

SAMPLE TYPE: Percussion Chips

FIELD ENTRY BY:

DATE 30/4/88

PROSPECT OR PROJECT: EL 21/85 HEARLE/WOOD

AREA OR GRID NAME: JASPER

LINE No:

LOCATION ON LINE OR HOLE NUMBER: JP 12

LOG PAGE 1 OF 1

LOG & ANALYTICAL REPORT Sheet No. of A/O

[redacted] SAMPLES [redacted] ONLY [redacted]

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FIELD ENTRY | LAB ENTRY

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT — Cu	Ag	Au
				* REDRILL OF JP 12. JP 12A collared on section, 1m. behind JP 12 ie about 0.7m. below JP 12.				
	0	13		Not sampled. Pale blue grey clay + Serp at about 8m.				
	13	14		Pale blue/green grey Talc/Serp. rather shd. + clayey	723080	45	1	x
	14	15		" " " " " "				
	15	16		Med. grn grey v. sheared/clayey Serpentinite; acc. Chromite	723081	30	1.5	0.01
	16	17		" " "				
	17	18		" " "				
	18	19		As above, still rather sheared.	723082	30	1	x
	19	20		" " "				
	20	21.6		Pale - med grn grey sheared Serp./Talc. Some with pale/dark mottled relict fabric. Becoming harder beyond 20.5 m.				
	21.6	23		Pale - med. grn. grey Serpentinite, generally sheared, some hard	723083	75	1	x
	23	24		" " " " "				
	24	27		Pale grn. grey soft shd. Serpentinite. (Poor Circulation)	723084	35	0.5	x
	27	29		Dominantly pale grn grey Serp. Few chips rather silicified aBs and/or with minor quartz ± calcite veinlets, traces disseminated Cpy, Py.	723085	30	1.5	0.03
	29	30		(Sample recovery poor 30-50%)				

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: W. HERRMANN | MACHINE: HALCO | INCLINATION AT COLLAR: -45 | BEARING AT COLLAR: 285° MAG./[redacted]

SAMPLE TYPE: RAB/PERCUSSION CHIPS. | FIELD ENTRY BY: | DATE 2/5/88

PROSPECT OR PROJECT: EL 21/85 HEAZLEWOOD | AREA OR GRID NAME: JASPER

LINE No: | LOCATION ON LINE OR HOLE NUMBER: JP 12 A | LOG PAGE 1 OF 2

(REDRILL OF JP 12)

CHECK SAMPLE	Cu	Ag	Au
Detection	5	0.5	0.005
LAB. NOTES: Method	101	101	309

CHEMIST: ANALABS

LAB. REPORT No: 142.2.08.05419 | DATE: 16/5/88

LOG & ANALYTICAL REPORT Sheet No. of A/O

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV.GEOL.DESCRIPTION. This form is not to be used for a detailed DDH log.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.
③ Rotary air blast drilling, use HOLE NUMBER, block box for color to mark FROM/TO INTERVAL [illegible]

MAXIMUM 1 SAMPLE/LINE
DESCRIPTION CAN BE

[redacted] SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY / LAB ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Cu	Ag	Au	Tube No.
30	31		Soft, sheared Serpentinite, 5% chips some with weak jasperoy silicification, minor chips silicified Basalt? with trace dissem. Py.	723086	35	1.5	x	
31	32		As Above.					
32	33		Soft, sheared Serpentinite. (No Sulph?) (70% Recovery)					
33	34		Serpentinite; somewhat less sheared, ± relict Px fabric	723087	20	1	x	
34	35		" " " "					
35	36		" " " "					
36	37		Pale-med. grn grey Serp, rather blander, less sheared.	723088	20	1.5	x	
37	38		As above. Some chips with high (5%) Magnetite acc.					
38	38.7		As above.					
38.7	40.0		Cavity. Lost Circulation. Probably Old Jasper Workings.					
40.0	E.O.H.		Hole Abandoned at 40.0 m.					
			DRILLING NOTES:					
0	21.6		5½" Retractor Bit (RAB, Open Hole drilling)					
0	21		Casing Set to 21 m. (100 mm Class 12 uPVC)					
21.6	40.0		3½" Downhole Hammer.					

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

EXAMPLES:
① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV.GEOL. DESCRIPTION. This form is not to be used for a detailed DDH log.
② Soil sampling along grid lines, use LINE No, CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.
③ Replace by head office, use KEY F attached to head office copy.

MAXIMUM SAMPLE/LINE DESCRIPTION CAN BE

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: W.HERRMANN | MACHINE: HALCO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 285° | MAG/[redacted]

SAMPLE TYPE: Percussion Chips. | FIELD ENTRY BY: | DATE: 3/5/88

PROSPECT OR PROJECT: EL 21/85 HEARTLEWOOD | AREA OR GRID NAME: JASPER

LINE No: | LOCATION ON LINE OR HOLE NUMBER: JP 12 A. | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB NOTES: | CHEMIST: ANALABS | DATE: 10/5/88

LOG & ANALYTICAL REPORT Sheet No. of A/O

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FIELD ENTRY | LAB. ENTRY

EXAMPLES

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV. GEOL. DESCRIPTION. This form is not to be used for a detailed DDH log.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.
③ Reverse circ. or blast drilling, use HOLE NUMBER, blank box for collar co-ords, FROM/TO, INTERVAL, GEOLOGICAL DESCRIPTION as required.

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT — Cu	Ag	Au	TUBE No.
	0	2		Brown 'B' Horizon clay; not sampled.					
	2	3		Med. brown 'B' Horizon soil, some stones wd. Bs, Serp.	723089	100	1	0.07	
	3	4		" " " " "					
	4	5		" " " " "					
	5	6		Med. brown 'B' Hor. clay, chips wd amyg. Bs; some with gossanous quartz veinlets					
	6	7		As Above	723090	70	1.5	0.03	
	7	8		" "					
	8	9		Med. brown stony B-C Horiz. Soil, chips wd. aBs.					
	9	10		Med. olive brown stony B-C Horiz. Soil, chips wd. aBs.	723091	10	2	x	
	10	11		As above, some amygdales filled ± white qtz.					
	11	12		Med. olive grn-brown stony C Hor. Soil. Chips of amygdaloidal Basalt (aBs) not sign. silicified					
	12	13		As above.	723092	10	1	x	
	13	14		Med. grn-grey C Horiz. Chips semi fresh aBs ± minor qtz. veinlets but not sig. mins/alt.					
	14	15		As above					
	15	16		As above. One chip dark green serpentinite.	723093	25	1	x	
	16	17		Partly silicified amyg. Basalt, med. grey-grey with white quartz ± calcite? patches, veins and amygdales. Minor Epi-dote. Mins 1% disseminated pyrite or Hematite.					
	17	18		As above. Est. 20-30% Qtz. (No sulphides)					

CHECK SAMPLE: Detection — Cu 5 | Ag 0.5 | Au 0.005

LAB NOTES: Method 101 | 101 | 309 — CHEMIST: ANALABS

LABS REPORT No 142.2 OR.05419 — DATE: 16/5/88

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: W. HERRMANN — MACHINE: HALCO — INCLINATION AT COLLAR: -45° — BEARING AT COLLAR: 180° — MAG/[redacted]

SAMPLE TYPE: RAB / Percussion Chips. — FIELD ENTRY BY: — DATE: 3/5/88

PROSPECT OR PROJECT: EL 21/85 HEAZLEWOOD — AREA OR GRID NAME: JASPER

LINE No.: — LOCATION ON LINE OR HOLE NUMBER: JP 13 — LOG PAGE 1 OF 2

MAXIMUM SAMPLE/LINE DESCRIPTION CAN BE

LOG & ANALYTICAL REPORT Sheet No. of A/O

[redacted] SAI · LOC · DET · RE · CONFIDENTIAL · HIS · ONLY · SAMPLES GOING TO E.L. LABORATORY

FIELD ENTRY | LAB. ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV GEOL DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT: Cu	Ag	Au	TUBE No
18	19		As for 17–18 m.					
19	20		As above; ~ 20% Qtz.	723094	25	1	0.01	
20	21		Mostly as above. Slight increase in jasperoy silica to 3%; forming thin selvedges around qtz. amygd. Few clasts of med. green serp. ex fx ± cub. chromite					
21	22		As above. Qtz ≈ 15%. Minor clear qtz ex veinlets. No sulphides.	723095	20	1.5	0.05	
22	23		As above. Qtz decreasing to ≈ 10%. Also 10% dark grey fine cherty silica chips.					
23	24		Minor (10%) part of sample as above but dominantly pale blue/green grey, soft, f.g. amorphous looking talc or serpentine. No relict fabric. No sulph.					
24	25		10% dk. grey flinty silica. Mostly pale b/gn. grey soft talc/serp (as above) dusted with fine occ. magnetite or chromite. (<1%)	723096	30	<	0.29	
25	26		No cuttings returned.					
26	E.O.H.		Hole abandoned at 26.0 m.					
DRILLING	NOTES							
0	16.3		5½" Retractor Bit (Open Hole, RAB)					
0	16		Casing (100 mm class 12 uPVC)					
16.3	26		3½" Down Hole Hammer. Hole abandoned due to soft talc like rock apparently plugging up at and behind hammer face, despite efforts to keep hole cleared of chips.					

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: W. HERRMANN | MACHINE: HALCO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 180° | MAG: [redacted]

SAMPLE TYPE: Percussion chips. | FIELD ENTRY BY: | DATE: 3/5/88

PROSPECT OR PROJECT: EL 21/85 HEAPLEWOOD | AREA OR GRID NAME: JASPER

LINE No: | LOCATION ON LINE OR HOLE NUMBER: JP 13 | LOG PAGE 2 OF 2

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

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EXAMPLES

① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV. GEOL. DESCRIPTION. This form is not to be used for a detailed DDH log.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.
③ Rotary air blast drilling, use HOLE NUMBER, block box for metre co-ords. FROM/TO INTERVAL ZERO (NORTH) [illegible]

MAXIMUM SAMPLE/LINE DESCRIPTION CAN BE

SA LOC IDET ARE I COI NTIA THIS ONL SAM GOIN IEL JRATC

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FIELD ENTRY / LAB ENTRY

EXAMPLES

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① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV.GEOL.DESCRIPTION. This form is not to be used for a detailed DDH log.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.
③ Rotary or blast drilling, use HOLE NUMBER, (blank box for collar co-ords), FROM/TO, INTERVAL, GEOLOGICAL DESCRIPTION OF SAMPLE

MAXIMUM SAMPLE/LINE DESCRIPTION CAN BE 5 LINE...1 PREFERRED

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED, x = BELOW DETECTION LIMIT — Cu	Ag	Au	TUBE No.
	0	1		Not sampled					
	1	2		Heavy sticky med olive brown – grey clay.	723097	35	x	x	
	2	3		" " " " "					
	3	4		Brown clay, chips brown jasperoy slst/chert? and qtz. veined silicified basalt.	723098	30	x	0.02	
	4	5		Red. grn-grey compact sticky clay ex. wd. basalt?					
	5	6		Wet clay, any chips dk-grn grey f.g. cherty slst.					
	6	7		Wet, sticky grey clay; 10% pale grey wd. serp/talc? ex Px	723099	50	x	x	
	7	8		As above					
	8	9		As above, some uphole contamination.					
	9	10		As above.	723100	50	x	x	
	10	11		As above.					
	11	12		Very wet, sample not collected.					
	12	13.2		Sloppy wet clay, poor sample. Chips serp. ex Px. Some pale blue grey "chalcedonic" looking Serpentine.	723101	15	0.5	0.01	
	13.2	18		Not sampled. Drilling with D.H. Hammer in soft clayey ground; had to use several buckets of water to loosen up clay.					
	18	19		Pale – med. grn-grey Serpentinite, minor talc veinlets. (No sulphides)*	723102	10	x	x	
	19	20		" " "					
	20	21		" " "					

CHECK SAMPLE				0.010	
Detection	5	0.5	0.005		
LAB NOTES: Method	101	101	309	CHEMIST: ANALABS	
LAB REPORT No. 142-7-08-05419 / 05436				DATE: 16 / 5 / 88	

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: W HERRMANN | MACHINE: HALCO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 00° | MAG./

SAMPLE TYPE: | FIELD ENTRY BY: | DATE: 5/5/88

PROSPECT OR PROJECT: EL 21/85 HEAZLEWOOD | AREA OR GRID NAME: JASPER

LINE No: | LOCATION ON LINE OR HOLE NUMBER: JP 14 | LOG PAGE 1 OF 3

LOG & ANALYTICAL REPORT Sheet No. of A/O

[redacted] SA[redacted] LOG[redacted] DE[redacted] ARE [redacted]Y CONFIDENTIAL THIS FORM ONLY FOR SAMPLES GOING TO N.E.L. LABORATORY

FIELD ENTRY | LAB ENTRY

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XAMPLES

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV. GEOL. DESCRIPTION. This form is not to be used for a detailed DDH log.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.
③ Rotary air blast drilling, use HOLE NUMBER, blank box for collar co-ords, FROM/TO, INTERVAL, GEOLOGICAL DESCRIPTION OF SAMPLE

LINE	CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE: ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT: Cu	Ag	Au
	21	22		As above	723103	45	0.5	0.02
	22	23		"				
	23	24		"				
	24	25			723104	15	X	0.01
	25	26		Good Recovery. Med. grn grey Serpentinite/Talc.				
	26	27		" "				
	27	28		"	723105	15	X	X
	28	29		" "				
	29	30		" "				
	30	31		" "	723106	15	X	0.01
	31	32		" "				
	32	33		" "				
	33	34		" "	723107	10	0.5	0.19
	34	35		" "				
	35	36		" "				
	36	37		" "	723108	15	0.5	X
	37	38		" "				
	38	39		" "				
	39	40		" "	723109	10	X	X
	40	41		" "				
	41	42		" "				
	42	43		Fair Recovery. "	723110	10	X	X
	43	44	EOH	Pale-med grn grey Serpentinite ox Pyroxenite.				
				CHECK SAMPLE				
				Detection		5	0.5	0.01
				LAB NOTES: Method		101	101	309
				LAB REPORT NR		142.2.08.05436		

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: W. HERRMANN | MACHINE: HAGG | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 00° | MAG / [redacted]

SAMPLE TYPE: | FIELD ENTRY BY: | DATE: 5/5/88

CHEMIST: ANALABS | DATE: 17/5/88

PROSPECT OR PROJECT: EL 2/85 HEAZLEWOOD | AREA OR GRID NAME: JASPER

LINE No.: | LOCATION ON LINE OR HOLE NUMBER: JP 14 | LOG PAGE 2 OF 2

LOG & ANALYTICAL REPORT Sheet No. of A/O

MAXIMUM 1 SAMPLE/LINE
DESCRIPTION CAN BE 3½ INCH maximum

'SAM LOCA DETA RE H CON IDEN TIAL HIS F ONLY TO SAMP ES GOING E.L. LABORATORY

METALS EXPLORATION LIMITED

720425

HEAD OFFICE COPY

FIELD ENTRY

LAB. ENTRY

EXAMPLES

THIS IS A MULTI-PURPOSE FORM. SOME COLUMN HEADINGS & BOXES WILL NOT BE REQUIRED FOR YOUR WORK. COLUMNS CAN BE ADDED.

① Diamond drilling, use HOLE NUMBER, FROM/TO, INTERVAL, ABBREV. GEOL. DESCRIPTION. This form is not to be used for a detailed DDH log.
② Soil sampling along grid lines, use LINE No., CO-ORDINATE, DEPTH, GEOLOGICAL DESCRIPTION OF SAMPLE, etc.
③ Rotary air blast drilling, use HOLE NUMBER, blank box for color co-ords. FROM/TO, INTERVAL, GEOLOGICAL DESCRIPTION OF SAMPLE.

MAXIMUM SAMPLE/LINE DESCRIPTION CAN BE

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT
			DRILLING NOTES:		
0	13.2		5½" Retractor Bit (Open Hole/RAB)		
0	13.2		CASING SET (100mm Class 12 uPVC.)		
13.2	44		Downhole Hammer 3½".		
			Some problems with wet sticky clay balling up on rods whilst drilling with retractor bit consequent sampling problems. Casing went down easily.		
			From 13.2 – 18 m, with Downhole Hammer very heavy going in partly weathered sap. and sticky grey clay. Had to drill with split pipe open, numerous buckets of water and great patience to get this material up the hole.		
			Eventually broke through to firm dry sap at 18 m. and from then on good/fair drilling provided penetration rate was kept down. At 24 m. rods beginning to bog down, possibly because of water entering at bottom of casing and tending to wet the powdered type. at that point causing blockage? Pulling rods to clear hole. Hydraulic system breakdown while pulling.		

MAP, AIR PHOTO OR DRAWING No.

LOGGED BY: J. HERRMANN | MACHINE: HPNCO | INCLINATION AT COLLAR: -45° | BEARING AT COLLAR: 00° | MAG./[redacted]

SAMPLE TYPE: | FIELD ENTRY BY: | DATE: 5/5/88

PROSPECT OR PROJECT: Ex 24/85. | AREA OR GRID NAME: JASPER

LINE No: | LOCATION ON LINE OR HOLE NUMBER: JP 14 | LOG PAGE 3 OF 3

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

410

APPENDIX IV

Analytical Reports: Mullock Samples from Old Jasper

(Collected by T.G. Summons)

Boulder, W.A. 6432
unless addressed otherwise.

MILL END SOUTH
STH. NORTHAM 5651

Mallorka Samples
old Jasper Area
(T. Summons)

720427

CONSIGNMENT DETAILS
Total number of samples in consignment: 17 (total of all orders)
Packed in: 1 Polyweave Sack (yellow)
Freight company: TNT Seafast
Consignment Note No.: ..... Dated: 24/2/88
From (town): BURNIE (via Waratah)

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
Prep 6 (mixermill)
○ Crush whole sample

2. Elements & Analytical Methods Required.
Cu – AAS
Pb – AAS
Zn – AAS
Ni – AAS
Ag – AAS
Au, Pt, Pd } Fire Assay

3. Special Instructions
○

JOB PRIORITY:
..... ☐ ROUTINE
..... ☒ PRIORITY
☐ URGENT (authorised by Explor. Mgr.)

ASSAY RESULTS:
Mail a copy of results to addresses listed below.

~~CRAFTSMAN, EXPLORATION DEPT.~~
~~METALS EXPLORATION LIMITED~~
Fax T.G. Summons
(03) 8191701 ☐

2 Metals Exploration Ltd.,
1st Floor West, 260 Auburn Rd,
Hawthorn.
VICTORIA 3122 ☐

3 Mr. I.R. HOLZBERGER,
619 Murray St,
West Perth,
Western Australia, 6005 ☒

INVOICE → Send invoice to above address indicated by ☒

M.E.L. Analytical Report Sheets

ORDER PREPARED BY:
R. FULTON
Print Name
DATE: 24 / 2 / 88
Day Month Year

SAMPLE TYPE (Soil, Drill Core, etc.): ROCKCHIP

LOCATION AND OTHER DETAILS
PREPARE COLUMNS & HEADINGS TO SUIT

	FIRST SAMPLE No.	LAST SAMPLE No.	(Hole No., Site, etc.)	(Interval, Position, etc.)	(NOTE)
	SAMPLE No.	MATERIAL			
1	145393		Jasper	Alt. bas / diss cp, py	
2	394		Jasper	Alt. bas / diss cp, py	
3	395		Jasper	AA ε malachite	
4	396		Jasper	AA ε malachite	
5	397		Jasper	Alt Bl bas ε. Py, cp stringers	
6	398		Jasper	Siliceous – Jas 5% Py	
7	399		Jasper	Alt bas ε cp Bn nods (Ags	
8	144 971		Jasper	Alt Sil Aggl bas 10% cppy	
9	972		Jasper	AA	
10	973		Jasper	Alt. Sil Bl Agg Bas 20% cppy	
11	974		Jasper	Alt. Sil Agg Bas 2% cppy	
12	975		Jasper	Alt. Sil Agg Bas 20% cppy stringer	
13	976		Jasper	AA 50% sulphide	
14	977		Russell's Adit	Alt UM ε Gn Qz vein	
15	978		Russell's Adit	Alt UM semi mass Gn	
16	979		Russell's Adit	Alt UM ε Gn ? Sp + red min	
17	980		Russell's Adit	Alt UM semi mass Gn cppy ? Sp	
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

720428

REFERENCE NUMBER 38178 Order No 20013 Page 1

SAMPLE NUMBER	Au ppb	Pt ppb	Pd ppb	Ru ppb	Rh ppb	Ir ppb	Os ppb
144971	220	20	180	1.5	1.0	1.0	2
144971 DUP	250	22	180	1.0	0.5	1.0	< 2
144972	5.5m	3.0	66	2.0	0.5	0.5	< 2
144972 DUP	6.8m	3.0	61	1.5	<0.5	0.5	< 2
144973	32m	1.5	17	<0.5	0.5	0.5	< 2
144973 DUP	36m	2.5	21	1.0	1.0	0.5	< 2
144974	3.6m	1.0	13	1.0	1.5	<0.5	< 2
144975	8.9m	1.0	17	1.0	0.5	<0.5	< 2
144977	240	3.5	14	2.5	1.5	<0.5	< 2
145393	1.9m	1.0	10	1.5	1.5	<0.5	< 2
145394	490	1.5	11	2.0	1.5	<0.5	< 2
145395	340	1.0	12	2.0	<0.5	<0.5	< 2
145396	690	1.5	9.0	1.0	<0.5	<0.5	< 2
145396 DUP	2.1m	1.5	11	<0.5	0.5	<0.5	< 2
145397	470	1.0	17	1.0	0.5	<0.5	< 2
145398	96	2.0	13	4.5	<0.5	<0.5	< 2
145399	380	3.5	14	2.0	32	1.5	< 2

413

720429

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Job: 8AD0767

O/N: 20013

ANALYTICAL REPORT

Cu %

JASPER MINE

SAMPLE	Au	Pt	Pd	
145393	4.1	<5	6	2.95
145394	1.08	10	4	1.52
145395	0.47	<5	10	4.25
145396	1.15	15	5	5.60
145397	0.98	<5	4	7.25
145398	0.14	10	6	* 0.215
145399	1.58	<5	11	16.1
144971	0.45	15	180	3.95
144972	6.0	<5	50	3.65
144973	0.02	5	<1	6.20
144974	6.4	5	12	2.35
144975	12.2	<5	8	8.90
144976	14.2	<5	16	23.1
144977	0.27	<5	1	RUSSELL ADIT
144978	0.35	<5	2	
144979	0.25	<5	<1	
144980	0.06	<5	<1	
UNITS	ppm	ppb	ppb	
SCHEME	FAS1	FAS2	FAS2	

Au/Cu r = 0.57.

720430

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Job: 8AD0767

O/N: 20013

ANALYTICAL REPORT

Jaspea Mine

SAMPLE	Cu	Pb	Zn	Ni	Ag	
145393	2.95%	90	115	68	6	✓
145394	1.52%	16	78	58	6	✓
145395	4.25%	36	58	38	30	✓
145396	5.80%	62	48	40	46	✓
145397	7.25%	44	54	54	52	✓
145398	2150	78	44	115	1	✳
145399	16.1%	90	28	28	200	✓
144971	3.95%	8	18	2100	3	✓
144972	3.65%	10	58	1300	4	✓
144973	6.20%	12	40	30	38	✓
144974	2.35%	16	110	82	10	✓
144975	8.90%	24	94	50	24	✓
144976	23.1%	105	96	20	36	✓
144977	2550	2.85%	2.90%	580	170	
144978	7000	23.7%	13.3%	105	1000	
144979	3000	2.05%	6.50%	330	175	
144980	990	6.65%	23.5%	220	500	
UNITS	ppm	ppm	ppm	ppm	ppm	
SCHEME	AAS1	AAS1	AAS1	AAS1	AAS3	
UPPER SCHEME	AAS1A	AAS1A	AAS1A		AAS4	

Russell Adit

APPENDIX 6B

MINERALOGICAL STUDIES OF OLD JASPER MINE SULPHIDES

MINERALOGICAL STUDY OF THE JASPER HILL PROSPECT

Prepared by D. C. Peck, Geology Department, University of Melbourne, Parkville, 3052. 1/9/88. 2 pages.

INTRODUCTION

Six polished blocks of Cu-rich siliceous breccia (basaltic host rock?) were prepared from samples collected by DCP and Metals Exploration Ltd. personnel from the main shaft at Jasper Hill, Heazlewood River Complex. Identification of precious metal, sulfide and native metal minerals was fascilitated by SEM analysis using an EDAX system at the University of Melbourne. Samples contained from 5-50% sulfide and/or native metal alloys, occurring as fracture-filling, blebby or semi-massive ore in extensively altered basaltic (?) breccia.

SULFIDE MINERALOGY

Chalcopyrite is by far the predominant sulfide mineral in the samples. It is generally massive to coarse-grained, and commonly displays equilibrium grain boundaries with adjacent gangue minerals (predominantly quartz). It is rarely cut by a late set of mm-sized quartz veins. Chalcopyrite is stoichiometric where fresh, but most samples experienced extensive weathering promoting desulfuration reactions, and leading to the formation of secondary sulfides and alloys which mantle or completely replace the primary sulfides. These secondary minerals include bornite, covellite, chalcocite, malachite, native Cu and native Cu-Fe. The latter is non-stoichiometric, and displays a wide range in Cu:Fe ratios. Interstingly, much of the chalcopyrite is Ag-rich, containing up to a few percent silver (either as a lattice constituent or as evenly disseminated sub-micron sized Ag minerals).

Pyrite was observed in two specimens, occurring as highly resorbed mm-sized grains in quartz veins, and having no spatial correlation with chalcopyrite in these samples.

PRECIOUS METAL MINERALOGY

In addition to the Ag-enriched chalcopyrite, three discrete precious metal minerals were identified in the samples. These include electrum, Au-Cu-Fe alloy and Ag telluride. Electrum is by far the predominant precious metal mineral in the samples, and has a favourable Au:Ag ratio varying from 10:1-3:2. All of the precious metal phases are between 5-30 μm in size. They occur either as xenomorphic inclusions in unaltered

chalcopyrite, or as highly resorbed, ragged grains in altered chalcopyrite, seconary sulfides/alloys and quartz.

These features suggest that Au and Ag were deposited during the primary hydrothermal event that deposited the chalcopyrite and quartz. Later weathering has remobilized much of the Au and Ag and has caused extensive desulfuration of the rocks. SEM photomicrographs of selected precious metal minerals in the samples will be forwarded to Metals Exploration Ltd. upon printing. A detailed mineragraphic study of the Jasper Hill occurrence should be undetaken to assess the extent of leaching and possible redistribution of Au and Ag, and to fully document the paragenesis of the hydrothermal mineral assemblage.

APPENDIX 6C

TRANSIENT E.M. TEST LINES AT JASPER HILL

720435

Geophysical Exploration Consultants Pty. Ltd.

Suite 204, 104 Mount Street,
Heidelberg, Victoria 3084

Telephone (03) 459 0533
Facsimile (03) 459 2160

23rd June, 1988

Mr S. Carthew,
Metals Exploration Ltd.,
1st floor,
260 Auburn Road,
HAWTHORN. VIC. 3122

Dear Steve,

re: Transient EM test lines at Jasper Hill, Tasmania

The brief description of the geology and mineralisation that was given by you over the telephone was certainly sufficient to encourage a few Sirotem test lines over the Jasper Hill Prospect in Tasmania; particularly as McSkimming Geophysics was in the area with the appropriate equipment.

The results from the two lines show anomalous effects that are far more pronounced than I had expected and certainly justify the original decision to proceed with the work. Neither of the lines is optimal, in that the station spacing may not be exactly 25m, and the line direction is known to be at an acute angle to the leading edge of the transmitting wire. But the results are very encouraging.

Line 50N shows a single response at 275E. The source is probably a sheet-like conductor with a westerly dip. But the western part of the response which would provide fuller dip information is incomplete because of the nearness of the transmitting loop to the conductor. The anomaly has a clear decay constant of 0.7 msecs which indicates a poor conductor, probably containing only a small proportion of conductive sulphides. It should be remembered that Que River orebodies have an EM anomaly with a similar low decay constant. The sharpness of the cross-over in the z-component data indicates the shallowness of source, i.e. 25m or less. The continuation of the anomaly into the later time channels where the signal because zero suggest both strike and depth extent. The strike extent is partly confirmed by the occurrence of similar anomalies on the north line.

Line 275N shows an almost identical response at 200E; the form is the same and decay constant is the same. However there is a second anomaly at 350E which may also have similar characteristics. This easterly anomaly is screened from much of the transmitted signal by the conductor at 200E and therefore the usual definitive characteristics cannot be derived. The anomaly on the southern line could relate to either of these and only further infill EM will determine the correct relationship. Both anomalies on line 275N appear to be shallow, probably west dipping, with considerable strike and depth extent.

There are a number of courses of action which can be considered. Firstly a ground inspection of the anomalous sites on both the lines along with geological mapping of the two possible strike relationships. Secondly, a shallow drillhole (or drillholes) to list the conductive source. Thirdly, further TEM to define the position and extent of the conductors prior to controlled geological mapping and drilling.

Further EM is recommended, in which case the transmitting loop should be placed further to the west and the receiving loop taken along regularly spaced lines at right angles to the loop edge.

If the anomalies are drilled from the present evidence then the following sites are recommended.

1. Line 50N
   240E, Azimuth 90° mE
   Inclination 60°
   Depth 75m

This assumes a westerly dip of about 70° and a target depth 35m vertically below the surface. Local topographic and geological conditions may modify these parameters. Drillholes can be sited at the northern locations in a similar manner.

2. Line 275N
   165E, Azimuth 90° mE
   Inclination 60°
   Depth 75m

3. Line 275N
   315E, Azimuth 90° mE
   Inclination 60°
   Depth 75m

If you require further comments, please call me when you return to Melbourne.

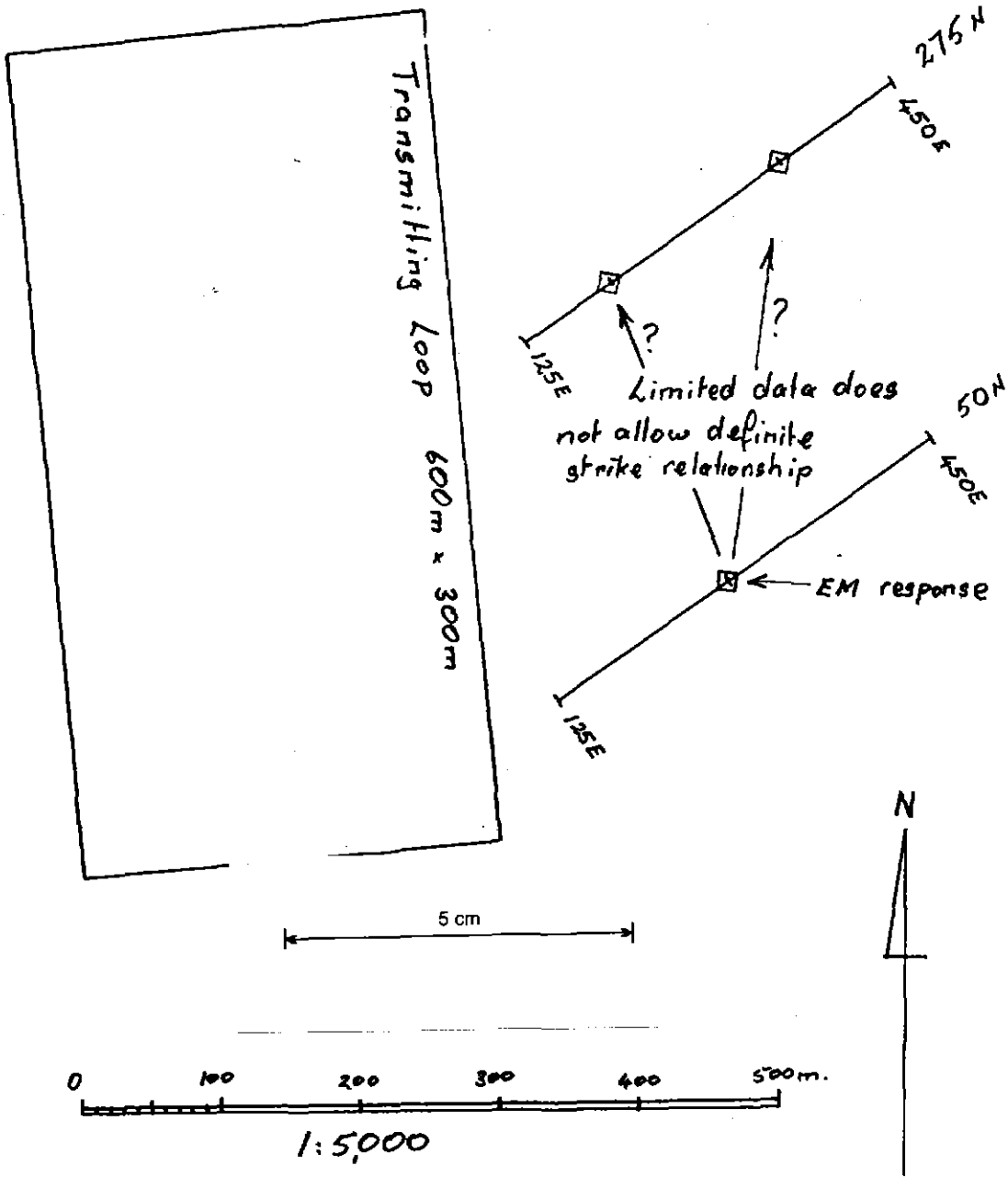
Regards.

Yours sincerely,

Hugh Rutter

Hugh Rutter
Consultant Geophysicist

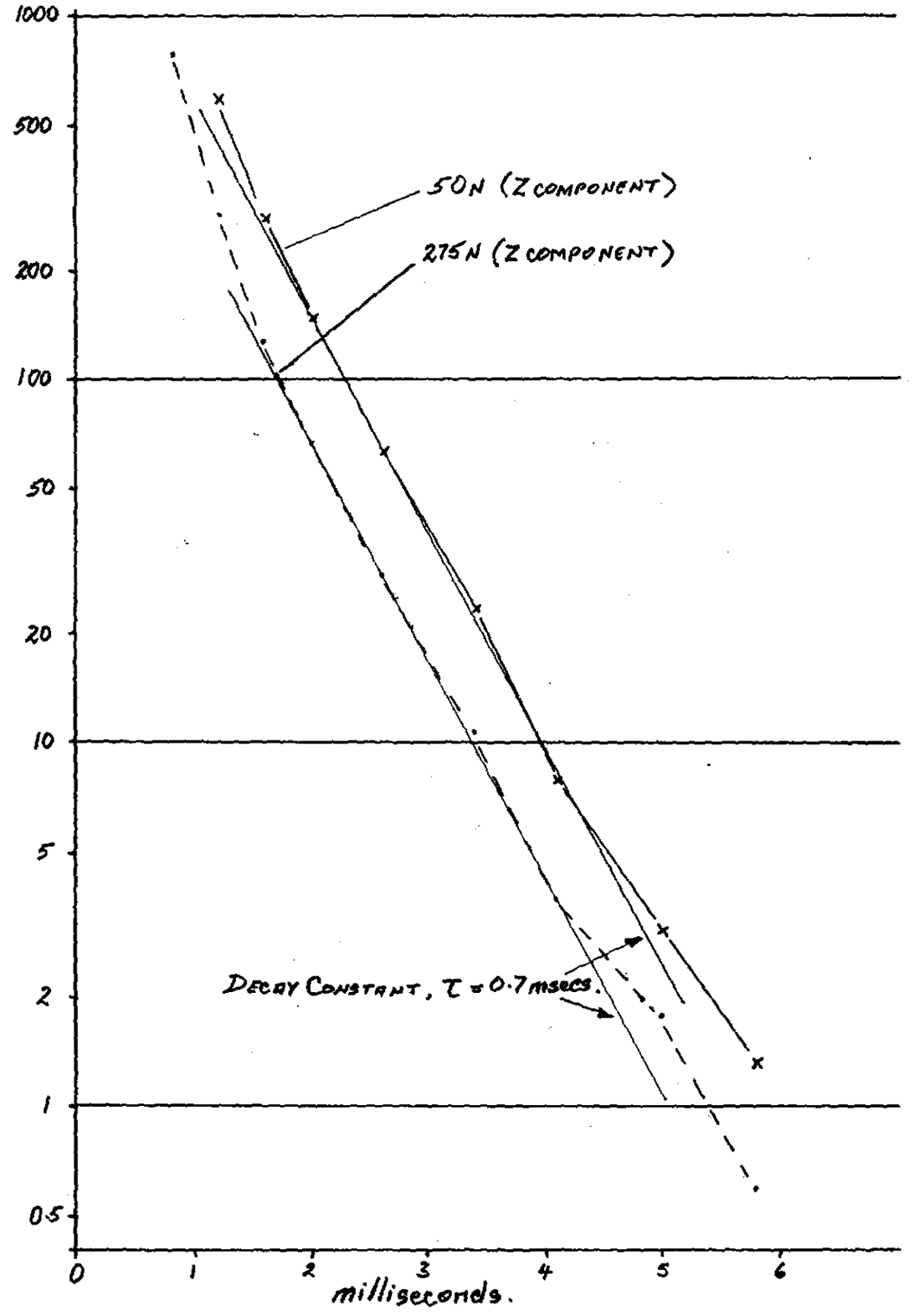
720438



N.B. Grid locations are unconfirmed.

METALS EXPLORATION LTD	
JASPER HILL, TASMANIA	
LOCATION OF SIROTEM LINES	
Revisions:	
Prepared by : H. Rutter	Centre : G.E.C. Pty. Ltd.
Date : 23 June 1988	Project No.
Drawn :	Drawing No. A3

720439



5 cm

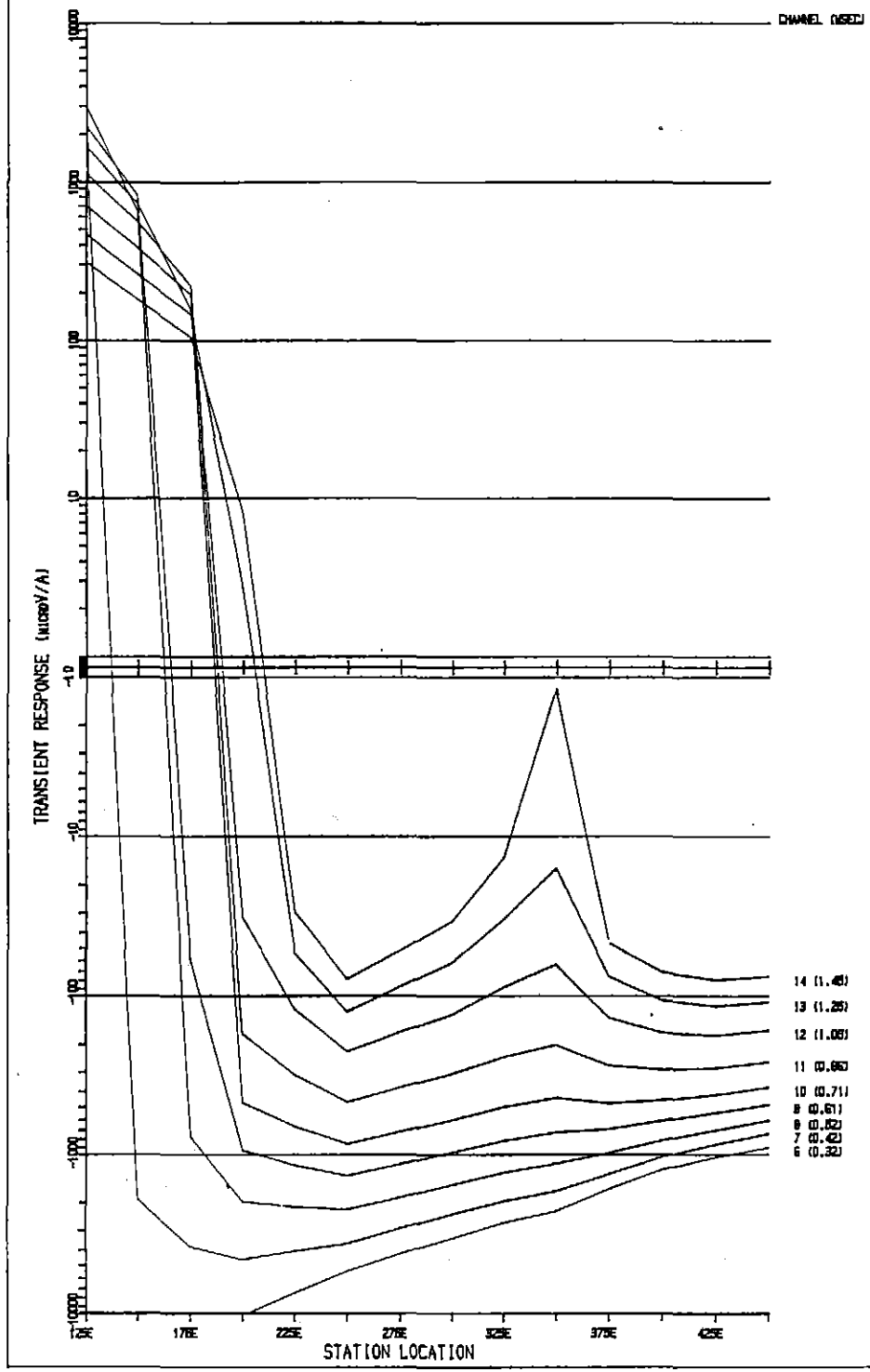
METALS EXPLORATION LTD

JASPER HILL TASMANIA

SIROTEM DECAY CURVES

Revisions:

Prepared by : H. Rutter	Centre : GEOPH., EXPL. CONS.	
Date : 23 June 1988	Project No.	Drawing No. A3_
Drawn :		



SURVEY SPECIFICATIONS

DATA ACQUIS'N : McSKIMMING GEOPHYSIC: P/L

SURVEY DATE : JUNE 1988
CONFIGURATION : 600M SQUARE TRANSMITTER LOOP,
TURAM MODE (RVR) SURVEY
READING INT. : 25 METRES
NO. OF STACKS : 255
TRANSMITTER : MEDIUM POWER
RECEIVER : SIROTEM II S/N 1236
CURRENT : 12.0 AMPS
OPERATOR : P McSKIMMING

5 cm

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:2500
VERTICAL SCALE - LOGARITHMIC
3CM. PER DECADE
LINEAR BETWEEN -1 AND 1

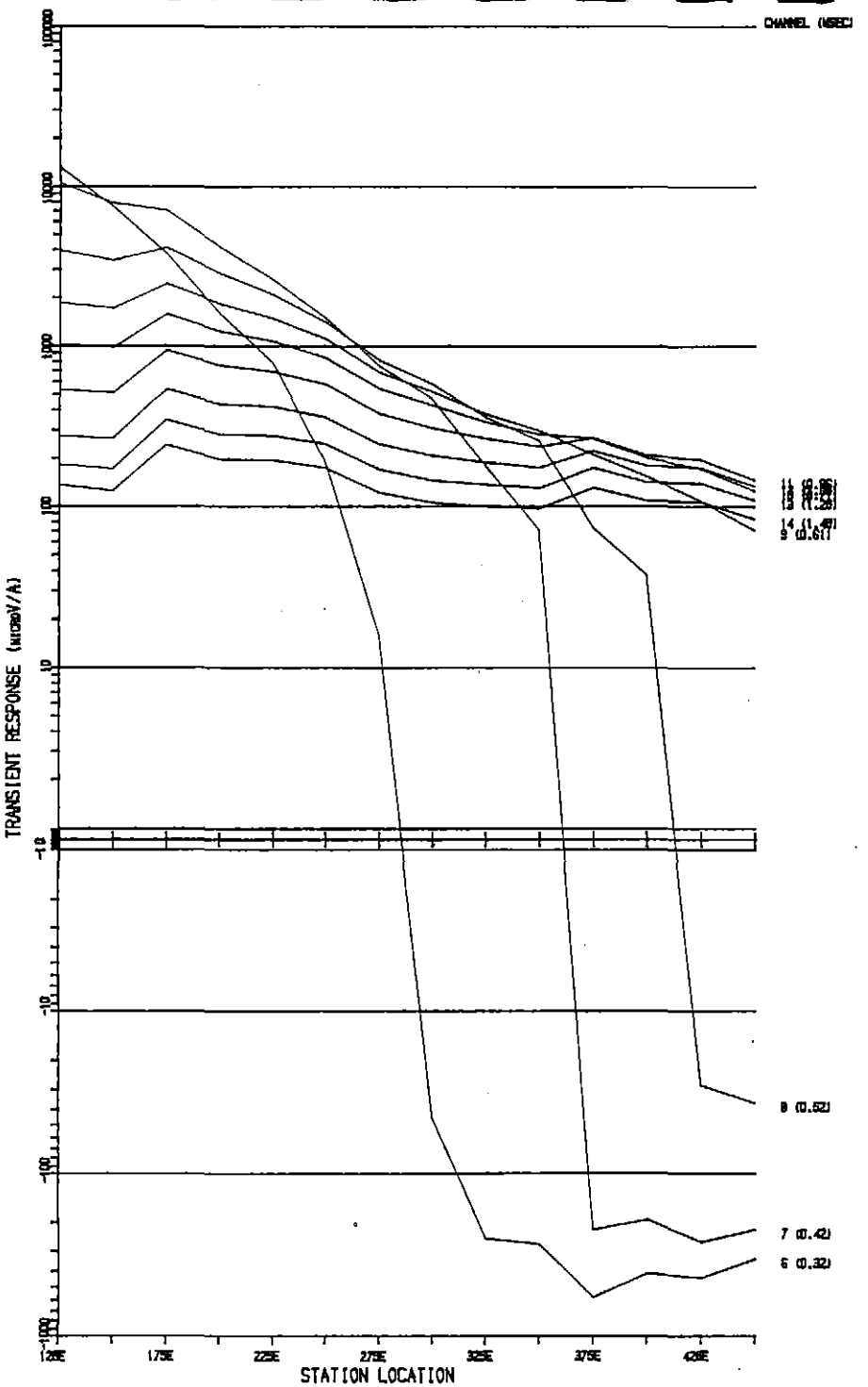
METALS EXPLORATION

TASMANIA
JASPER HILL
SIROTEM PROFILE
LINE 275N Z ET

SCALE - 1:2500

454

7204440



SURVEY SPECIFICATIONS

DATA ACQUIS'N : McSKIMMING GEOPHYSICS P/L

SURVEY DATE : JUNE 1988
CONFIGURATION : 600M SQUARE TRANSMITTER LOOP,
TURAM MODE (RYRU SURVEY
READING INT. : 25 METRES
NO. OF STACKS : 256
TRANSMITTER : MEDIUM POWER
RECEIVER : SIROTEM II S/N 1236
CURRENT : 12.0 AMPS
OPERATOR : P McSKIMMING

5 cm

PLOT SPECIFICATIONS

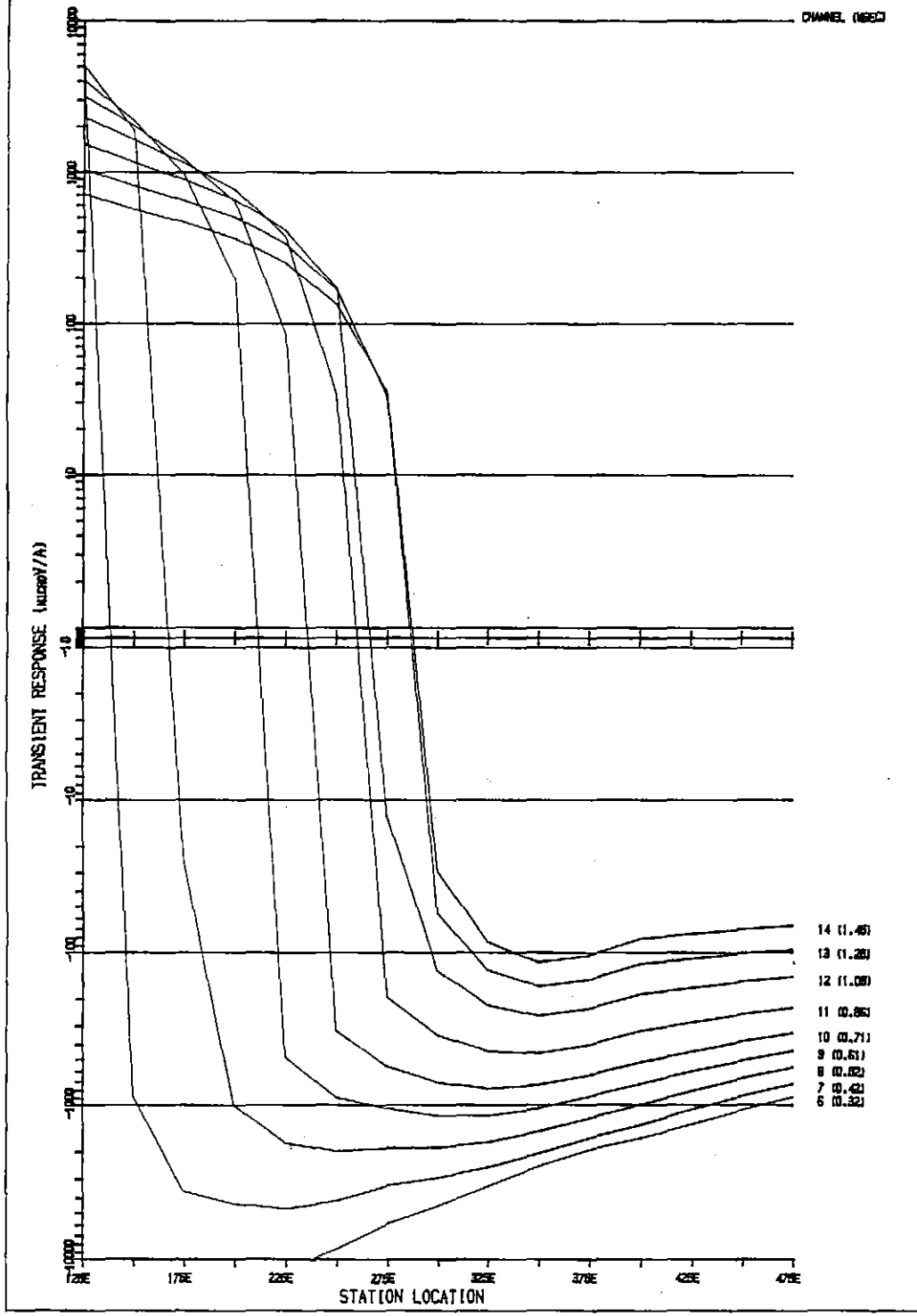
HORIZONTAL SCALE - 1:2500
VERTICAL SCALE - LOGARITHMIC
3CM. PER DECADE
LINEAR BETWEEN -1 AND 1

METALS EXPLORATION

TASMANIA
JASPER HILL
SIROTEM PROFILE
LINE 275N X ET

SCALE - 1:2500

435
720441



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS P/L

SURVEY DATE : JUNE 1988
CONFIGURATION : 600M SQUARE TRANSMITTER LOOP,
TURAM MODE (RVRU SURVEY
READING INT. : 25 METRES
NO. OF STACKS : 256
TRANSMITTER : MEDIUM POWER
RECEIVER : SIROTEM II S/N 1236
CURRENT : 12.0 AMPS
OPERATOR : P McSKIMMING

5 cm

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:2500
VERTICAL SCALE - LOGARITHMIC
3CM. PER DECADE
LINEAR BETWEEN -1 AND +1

METALS EXPLORATION

TASMANIA

JASPER HILL

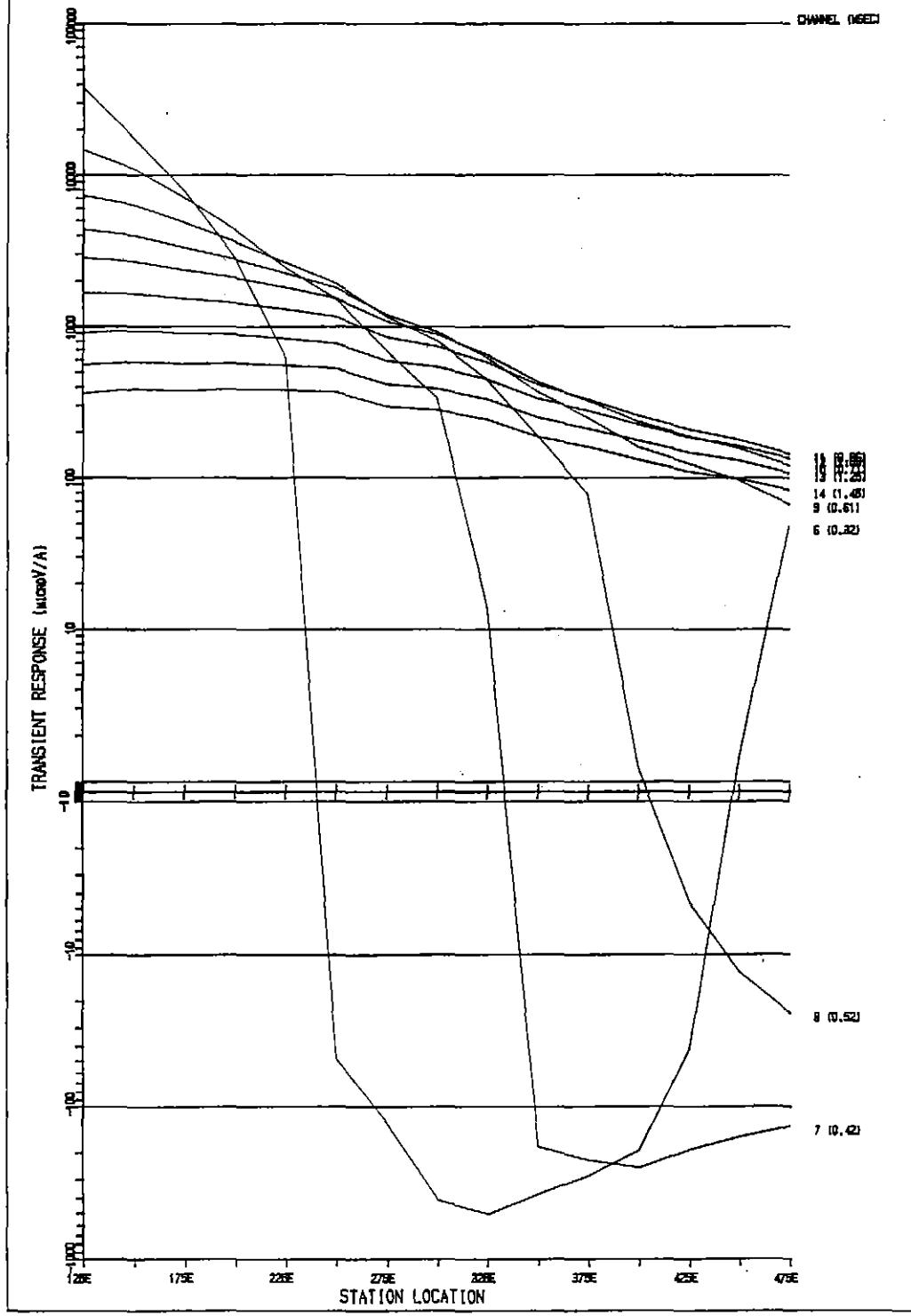
SIROTEM PROFILE

LINE 50N Z ET

SCALE - 1:2500

535

720442



SURVEY SPECIFICATIONS

DATA ACQUIS'N : McSKIMMING GEOPHYSICS P/L

SURVEY DATE : JUNE 1998
CONFIGURATION : 600M SQUARE TRANSMITTER LOOP,
TURAM MODE (RYRU SURVEY
READING INT. : 25 METRES
NO. OF STACKS : 256
TRANSMITTER : MEDIUM POWER
RECEIVER : SIROTEM II S/N 1236
CURRENT : 12.0 AMPS

OPERATOR : P McSKIMMING

5 cm

PLOT SPECIFICATIONS

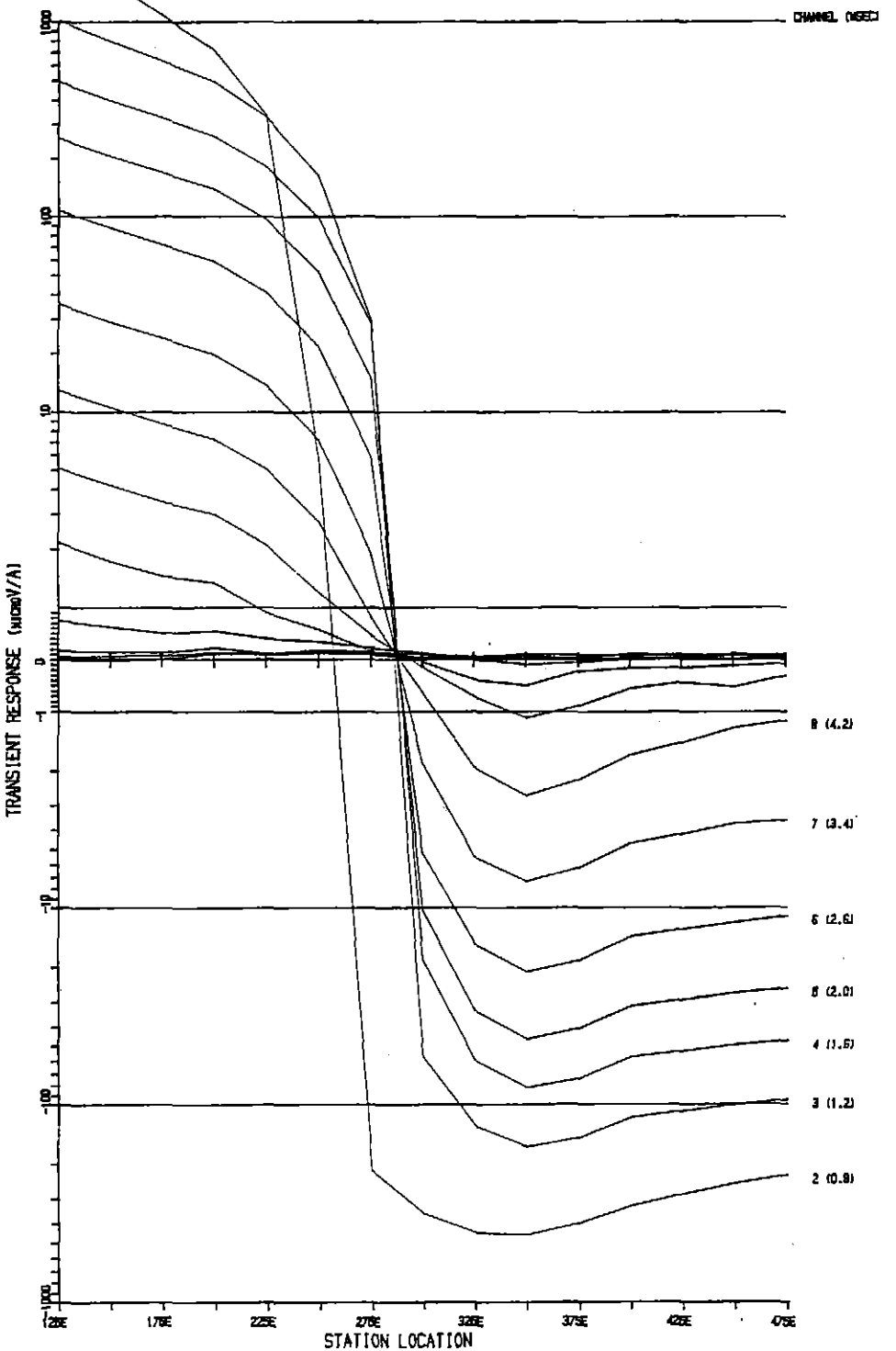
HORIZONTAL SCALE - 1:2500
VERTICAL SCALE - LOGARITHMIC
3CM. PER DECADE
LINEAR BETWEEN -1 AND +1

METALS EXPLORATION

TASMANIA
JASPER HILL
SIROTEM PROFILE
LINE 50N X ET

SCALE - 1:2500

437
720443



SURVEY SPECIFICATIONS

DATA ACQUIS'N : McSKIMMING GEOPHYSICS P/L

SURVEY DATE : JUNE 1988
CONFIGURATION : 600M SQUARE TRANSMITTER LOOP,
TURAM MODE (RVRU SURVEY
READING INT. : 25 METRES
NO. OF STACKS : 1024
TRANSMITTER : MEDIUM POWER
RECEIVER : SIROTEM II S/N 1236
CURRENT : 12.0 AMPS
OPERATOR : P McSKIMMING

5 cm

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:2500
VERTICAL SCALE - LOGARITHMIC
4CM. PER DECADE
LINEAR BETWEEN -1 AND 1

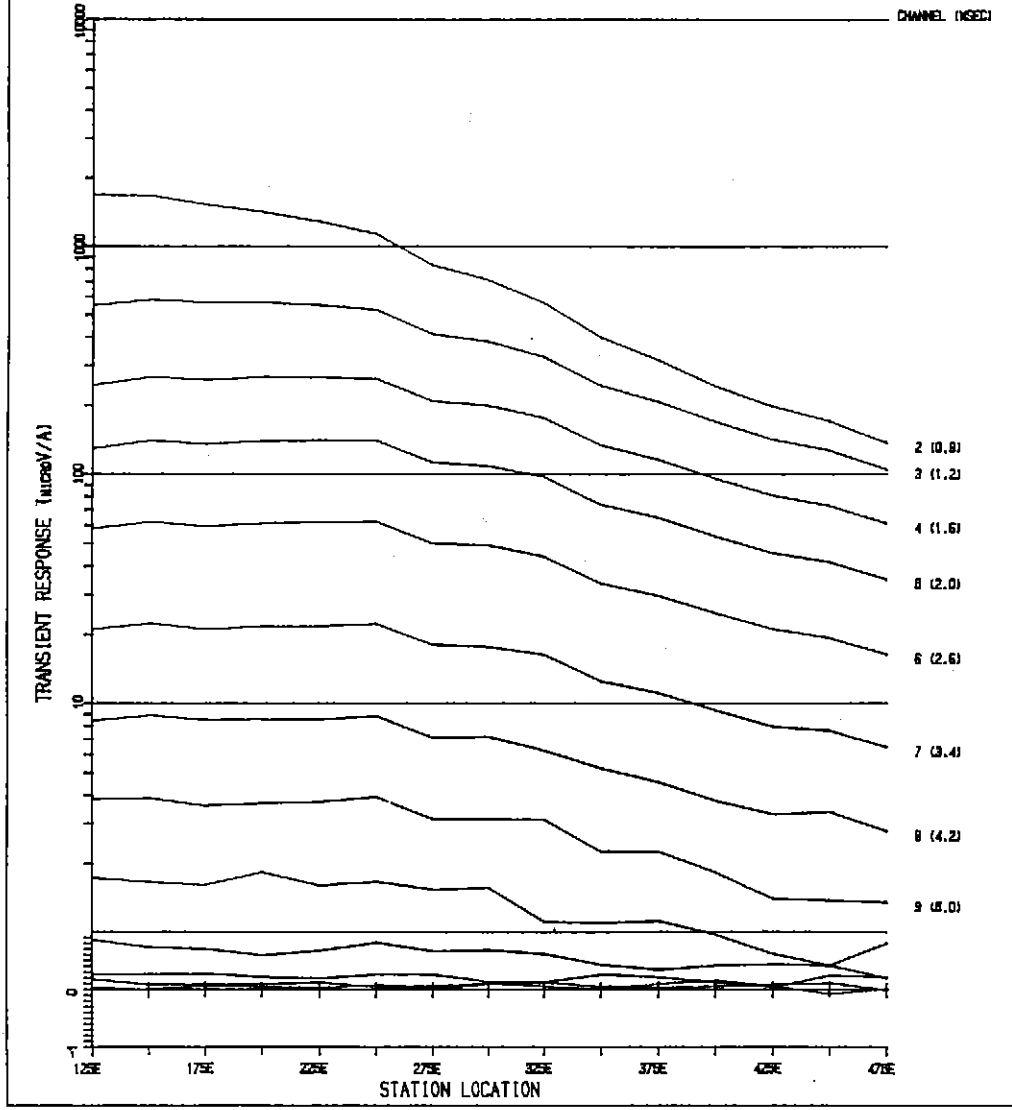
METALS EXPLORATION

TASMANIA
JASPER HILL
SIROTEM PROFILE
LINE 50N Z

SCALE - 1:2500

428

720444



SURVEY SPECIFICATIONS'

DATA ACQUIS'N : McSKIMMING GEOPHYSICS P/L

SURVEY DATE : JUNE 1988
CONFIGURATION : 600M SQUARE TRANSMITTER LOOP,
TURAM MODE (RVRU SURVEY
READING INT. : 25 METRES
NO. OF STACKS : 1024
TRANSMITTER : MEDIUM POWER
RECEIVER : SIROTEM II S/N 1236
CURRENT : 12.0 AMPS
OPERATOR : P McSKIMMING

5 cm

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:2500
VERTICAL SCALE - LOGARITHMIC
4CM. PER DECADE
LINEAR BETWEEN -1 AND +1

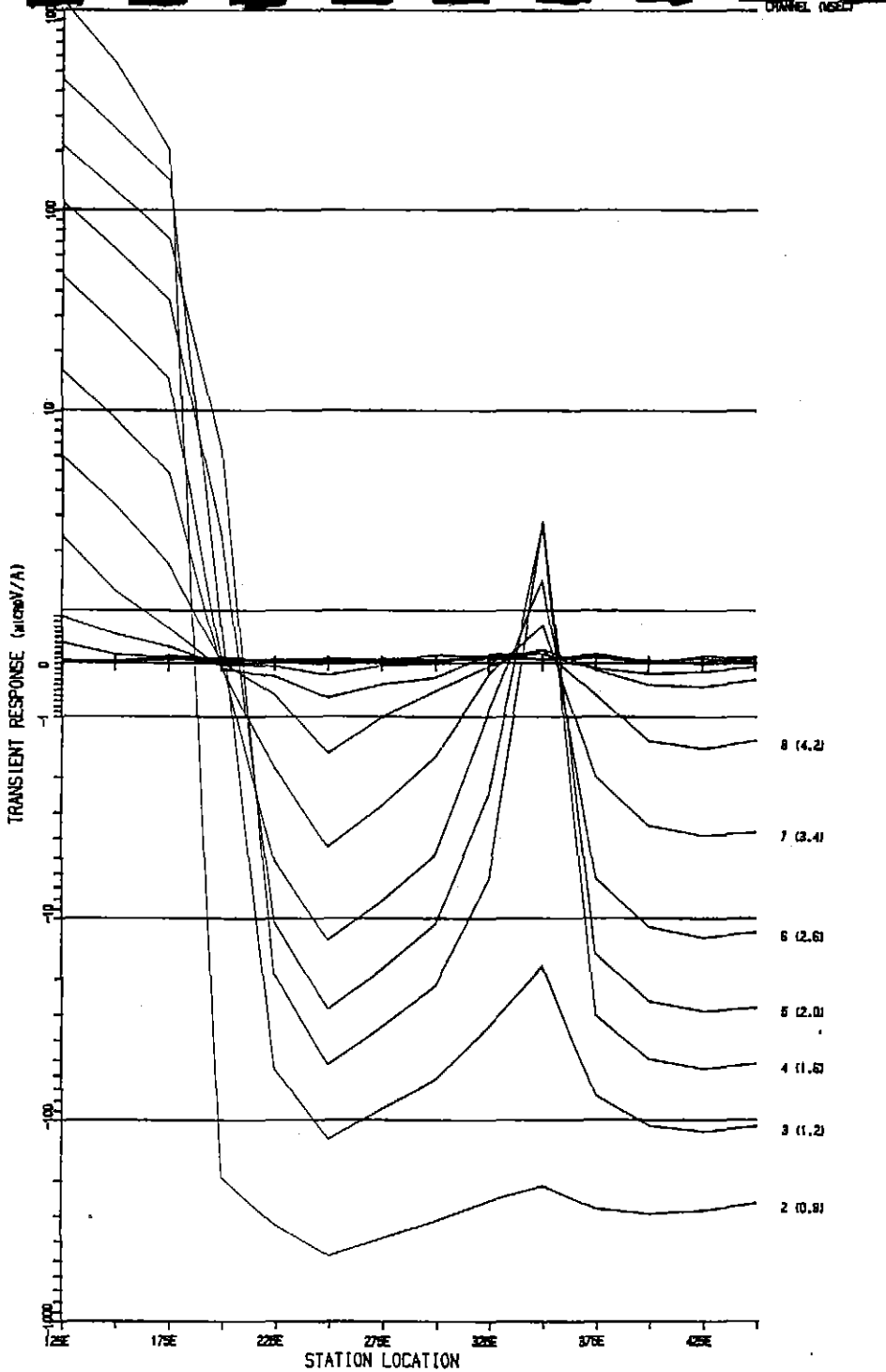
METALS EXPLORATION

TASMANIA
JASPER HILL
SIROTEM PROFILE
LINE 50N X

SCALE - 1:2500

429

420445



SURVEY SPECIFICATIONS

DATA ACQUISITION : McSKIMMING GEOPHYSICS P/L

SURVEY DATE : JUNE 1988
CONFIGURATION : 600M SQUARE TRANSMITTER LOOP,
TURAN MODE (RVRU SURVEY
READING INT. : 25 METRES
NO. OF STACKS : 512
TRANSMITTER : MEDIUM POWER
RECEIVER : SIROTEM II S/N 1236
CURRENT : 12.0 AMPS
OPERATOR : P McSKIMMING

5 cm

PLOT SPECIFICATIONS

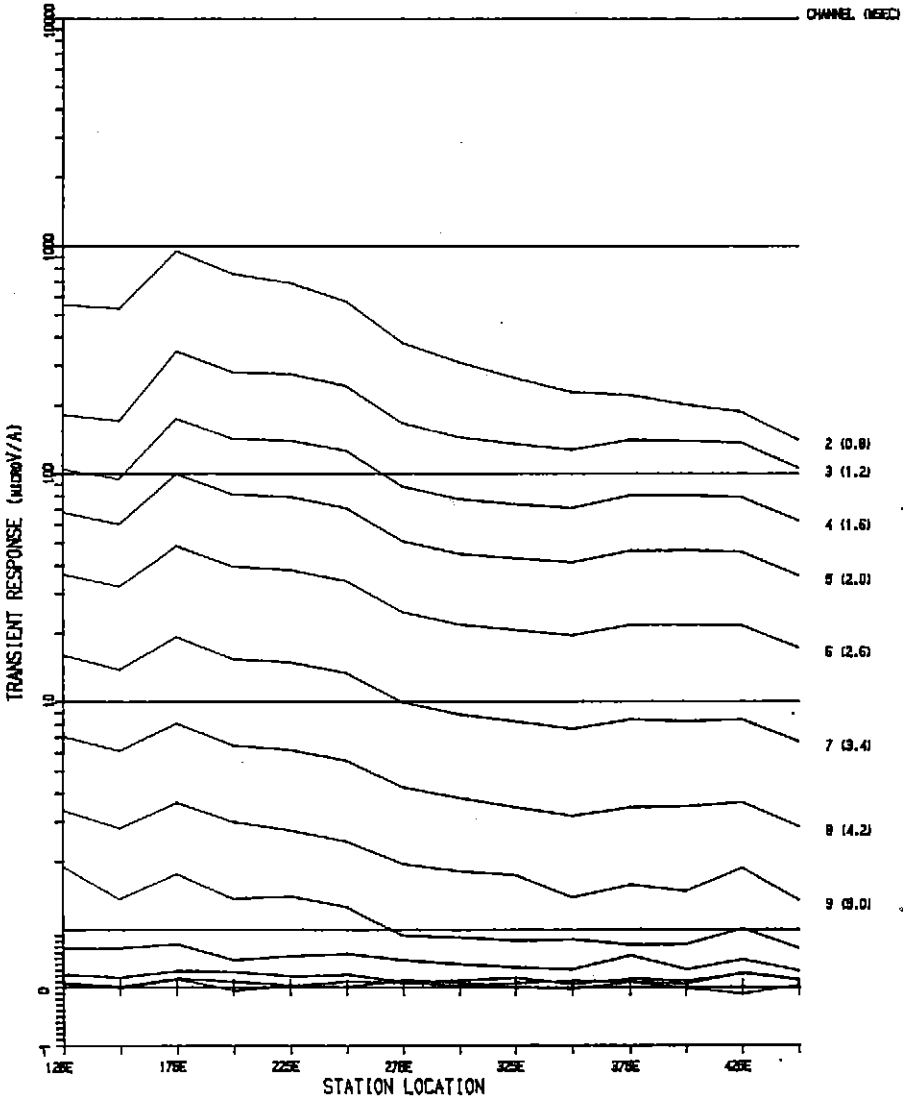
HORIZONTAL SCALE - 1:2500
VERTICAL SCALE - LOGARITHMIC
4CM. PER DECADE
LINEAR BETWEEN -1 AND +1

METALS EXPLORATION

TASMANIA
JASPER HILL
SIROTEM PROFILE
LINE 275N Z

SCALE - 1:2500

220446



SURVEY SPECIFICATIONS

DATA ACQUIS'N : McSKIMMING GEOPHYSICS P/L

SURVEY DATE : JUNE 1988
CONFIGURATION : 600M SQUARE TRANSMITTER LOOP,
TURAM MODE (RYRO SURVEY
READING INT. : 25 METRES
NO. OF STACKS : 1024
TRANSMITTER : MEDIUM POWER
RECEIVER : SIROTEM II S/N 1235
CURRENT : 12.0 AMPS
OPERATOR : P McSKIMMING

5 cm

PLOT SPECIFICATIONS

HORIZONTAL SCALE - 1:2500
VERTICAL SCALE - LOGARITHMIC
4CM. PER DECADE
LINEAR BETWEEN -1 AND +1

METALS EXPLORATION

TASMANIA
JASPER HILL
SIROTEM PROFILE
LINE 275N X

SCALE - 1:2500

631

720447

432

720448

Geophysical Exploration Consultants Pty. Ltd.

Suite 204, 104 Mount Street
Heidelberg, Victoria 3084

Telephone (03) 459 0533
Facsimile (03) 459 2160

25th August 1988

BIG RESOURCES
260 Auburn Road
Hawthorn.

Attention Mr S. Carthew

PROPOSED GEOPHYSICAL SURVEY - JASPER MINE

1. Transient Electromagnetics - System.

A fixed transmitting loop 600m x 300m and the RVR with x- and z-component readings at 25m intervals.

Transmitting loop 1 : 5406100N, 5405500N
358600E 358900E

Lines	5,405,500N	From 358925E - 359400E
	600N	" "
	650N	" "
	700N	" "
	750N	" "
	800N	" "
	850N	" "
	900N	" "
	950N	" "
	5,406,000N	" "
	050N	" "
	100N	" "

433

720449

Transmitting Loop 2 : 5405550N, 5404950N
358600E, 358900E

Lines 5405100N From 358925E - 359400E
" 5405150N " "
" 5405200N " "
" 5405250N " "
" 5405300N " "
" 5405350N " "
" 5405400N " "
" 5405450N " "
" 5405500N " "

No extra gridding is required for the down-hole survey.

2. Magnetics

The same grid, plus a baseline can be used for the magnetic survey. Peter McSkimming can collect the data using a Geometrics proton precession magnetometer and it can be compiled in Melbourne. The reading interval is 10 m.

Hugh Rotten

Consulting Geophysicist

APPENDIX 6D

GROUND MAGNETIC DATA

GROUND MAGNETICS

Prospect: JASPER Line No: 27SN 1/

Co-ORD	TIME	DATE	GAMMAS
22SE	1100	12/28	62670
			62661
25E			62650
			62680
50E			62660
			62660
75E			62652
			62661
100E			62685
			62672
125E			62658
			62630
150E			62649
			62579
175E			62610
			62695
200E			62649
			62505
225E			62529
			62587
250E			62635
			62930
275E			62884
			63077
300E			63077
			62908
325E			63035
			62705
350E			62533
			62470
375E			62400
			62360

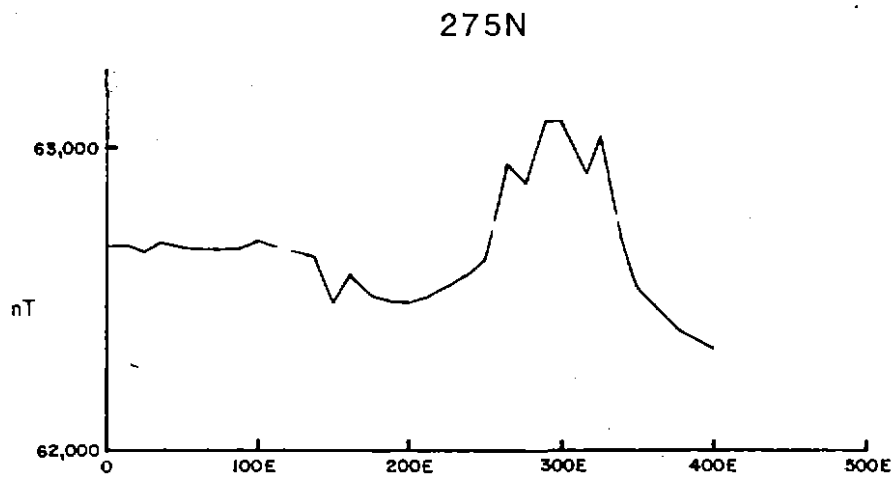
Co-ORD	TIME	DATE	GAMMAS
HOOE			62550
END OF LINE			

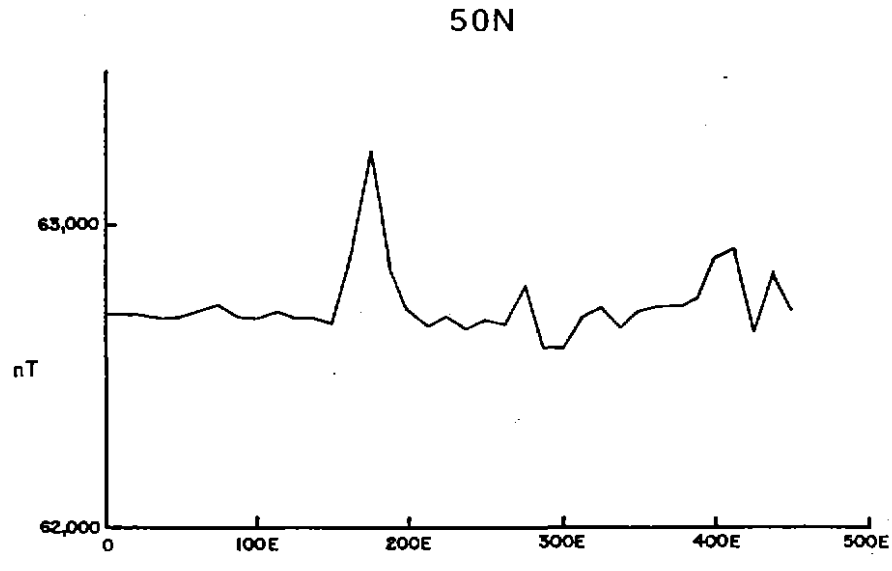
Prospect: JASPER Line No: 50N

Co-ORD	TIME	DATE	GAMMAS
00E	11 AM	12/28	62704
			62700
25E			62695
			62689
50E			62690
			62715
75E			62730
			62692
100E			62685
			62711
125E			62688
			62630
150E			62670
			62900
175E			62640
			62850
200E			62722
			62670
225E			62690
			62651
250E			62684
			62670
275E			62800
			62680
300E	9 AM		62620
			62691
325E			62725
			62655
350E			62712
			62730
375E			62730
			62760

Co-ORD	TIME	DATE	GAMMAS
HOOE			62895
			62902
H25E			62650
			62820
H50E			62716
		END OF LINE	

436





0 50 100 150 200 250

metres

5 cm

METALS EXPLORATION LTD.

Project	HEAZLEWOOD EL21/85 Tasmania
Title	OLD JASPER MINE MAGNETIC PROFILES 275N & 50N
Author S.C. Date 11/88	Scale 1:5000
Drawn N.R.E. Office PER	Revised Date
Drawing No. 02/HZ/4/13	Fig. No.

APPENDIX 6E

DIAMOND DRILL LOGS AND SECTIONS

438

720454

JD 1

0

Weathered to fresh, fine-grained, grey-green basalt.

10 Commonly dark grey-green amygdabidal basalt. Commonly fractured with quartz and epidote veins. Rare jasper.

Weathered and brecciated basalt(?)

20 Quartz occurs as vug infillings. Low angle veins of quartz and epidote are common. Rare jasper. Slight brecciation is common within veins.

30 Moderately serpentinised, dark grey, fine grained basalt. Interbedded with dark green serpentinite (post basalt?). Very rare cpy.

40 Dark grey to black sheared and serpentinised pyroxenite(?)

Rare low angle serpentine veins.

50

JD 2

0

Grey Green, fresh to weathered fine-grained basalt. Rare inter-bedded finer grained material.

Some epidote & silica veining.

Increase in veining with calcite, epidote, silica (qtz), Jasper, and tremolite/achnolite(??).

Sometimes brecciated.

Rare cpy - traces of pyrite.

Fine grained, dark grey basalt.

Amygdaloidal texture occasionally recognisable.

Veins of quartz, calcite, epidote are common at high angles (c.70°). Jasper is rare.

50

Brecciated intervals are rare.

Chalcopyrite is rare, occurring in quartz & calcite veins or along joint faces.

Calcite/quartz veins cross-cut and offset earlier epidote veining.

100

Increase in silicious vug infilling and in silicious/calcaneous veining.

Cpy rarely associated with veins. Py very rare.

(Commonly moderately to lightly serpentinised)

150 Fine grained commonly dark grey basalt.

Generally lightly to moderately brecciated.

Brecciation is tectonic and also primary, with pyroclastic/epiclastic units.

Veining by silica (qtz), calcite & jasper is common. Rare epidote. Jasper also within groundmass.

No apparent mineralisation.

Moderately to strongly serpentinised.

Calcite & serpentine veins are common.

200 Jasper is rarely present.

No apparent mineralisation.

Original rock-type probably still basaltic.

JD 3 (50° Hole)

0

Light to dark green basalt.

Occasional (auto) brecciation. Slight silica and epidote veining. Cpy is

10 very rare, occurring in brecciated veins.

Strongly weathered clay, with rare

20 recognisable basalt. Rare silicious nodules (relict vug infill?)

Silicified green volcanic breccia. Calcite and silica veins. Jasper common. Veins at 45° - horizontal. Cpy, pyrite, and galena up to 10%.

30 Also gold(?).

Sheared and serpentinised basalt with rare silicious nodules and jasper. Veins of silica and calcite. Shears at C 20°.

40

Increasingly sheared and brecciated serpentinite. Jasper occurs rarely as clasts or within the matrix.

50 (Post basalt?)

Dark green to black sheared serpentinite.

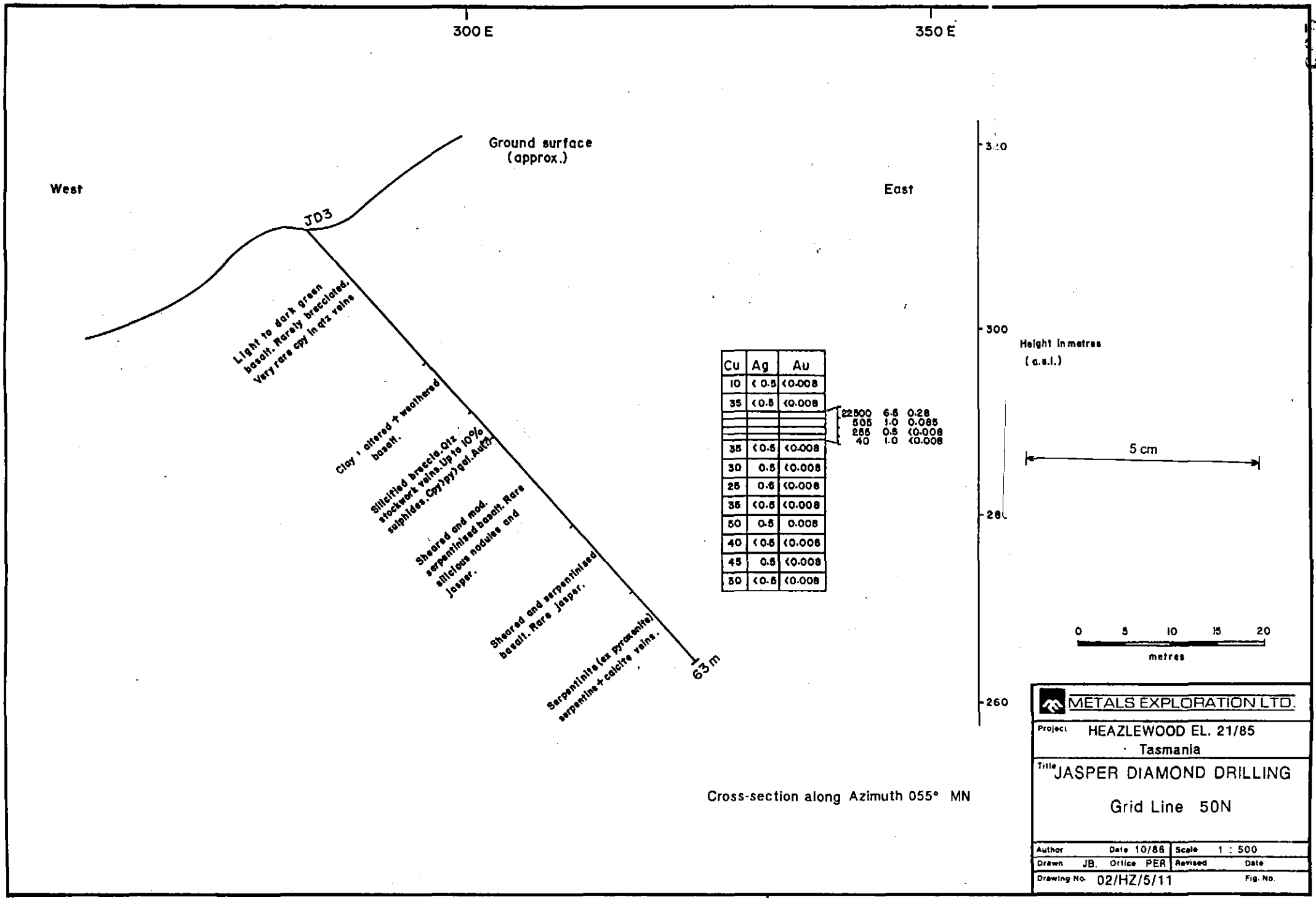
Common serpentine and calcite veins.

Jasper very rarely associated with calcite veins.

60 (Probably post pyroxenite)

Diamond Drilling - JASPER

July, 1988



Cross-section along Azimuth 055° MN

720455

SOUTH

NORTH

Ground surface (approx.)

JD 2

Basalt

Cu	Ag	Au
180	<0.5	<0.008
2250	<0.5	0.01
120	<0.5	<0.008
65	<0.5	<0.008

Veined + brecciated basalt. Rare cpy, py.

Amygdaloidal basalt. Veined + brecciated intervals.

Rare cpy > py assoc. with joints and qtz/calcite veins.

Rare jasper.

Cu	Ag	Au
20800	0.5	0.01
25	<0.5	<0.008
25		
150		
240		
50	0.5	
156	1.0	0.01
20	<0.5	<0.008
150		
40		
45	0.5	
40	<0.5	
15		
10		
25		
40		
60		
40		
40		
30		
10		
50	1.0	
60	<0.5	
50		
40		
35		
30		
55		
20		
25		

Increase in veining. Rare cpy/py.

Brecciated basalt. Common qtz/calcite /jasper veins. Also replacing clasts and g/mass of breccia.

No apparent mineralisation.

Mod. serpentised basalt. Veins of serpentine + calcite.

Rare jasper.

217 m

380
340
300
260
220
180
140

Height in metres (a.s.l.)

JD 1 (projected 30m to East.)

Cu	Ag	Au
210	0.5	<0.008
140		
70		
35	<0.5	
30		
30		
40		
30		
20		

Weathered basalt.

Fractured amyg.. basalt. rare jasper.

Weathered and brecciated basalt. Qtz/epidote veins.

Faulted serpentinite + serp,d basalt. V. Rare cpy.

Sheared + serp,d pyroxenite.

50 m

JD 3

Basalt. rare cpy

Silicified brec. qtz stockwork veining Cpy > py > gal + Au ?

Altered basalt

Sheared + mod. serp,d basalt. rare jasper.

Sheared + brecciated serpentinite. (ex bas)

Sheared + serp,d pyroxenite.

48m

(Corrected to true depth.)

5 cm

Schematic long-section along Azimuth 000° (True North)

0 20 40 60

metres

METALS EXPLORATION LTD.

Project: HEAZLEWOOD EL. 21/85 Tasmania

Title: JASPER DIAMOND DRILLING

Schematic Long-section

Author	W.H	Date 10/88	Scale 1 : 1500
Drawn	JB.	Office PER	Revised / Date
Drawing No.	02/HZ/5/10		Fig. No.

A20456

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

METALS EXPLORATION LIMITED

HEAD OFFICE COPY

FIELD ENTRY | LAB ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Sample Interval		Cu	Ag	Au
0	2.9	2.9m	Brown-grey, fine grained weathered and fractured basalt(?) Clay-rich with Fe-oxides along joints						
2.9	6.10	3.2m	Basalt: brown/green/grey fine grained, heavily fractured.						
6.10	9.20	3.1m	Basalt: grey-green massive & fine grained., containing recognisable (prismatic) plagioclase. Trace qtz veining						
9.20	9.53	0.33m	Basalt: very strongly fractured & clay rich. Rare inclusions of glass (?)						
9.53	14.04	4.51m	Basalt: brown/grey/green, massive with slight increase in grain size. Becoming poorly brecciated & slightly altered with depth.	723116	12-15		210	0.5	< 0.008
14.04	14.50	0.46m	Basalt - brecciated with talc & chlorite along clast boundaries.						
14.50	15.75	1.25m	Massive basalt: Dark green-grey. Brecciated in places. 10-50% veins composed of silica & epidote. Some brecciation within veins - Rare jasper in veins. Veins are oriented @ 30° to horizontal. Rare light coloured (replaced?) lenticular inclusions.	723117	15-18		140	0.5	<
15.75	26.25	10.5m	Basaltic Breccia: grey-brown and strongly weathered. Siliceous inclusions (1-2mm) occur in patches, probably representing vug infillings more resistant to weathering. Breccia clasts are sub-rounded and up to 5 cm in diameter.	723118	18-21		70	0.5	<
				723119	21-24		35	0.5	<

A1

720457

P, AIR PHOTO / DRAWING No.:

LOGGED BY: J. Keall | MACHINE: Diamond Drill | INCLINATION AT COLLAR: 90° (vert) | BEARING AT COLLAR: | MAG./GRID:

SAMPLE TYPE: Diamond Drill Core | FIELD ENTRY BY: J. Keall + S. Carthew | DATE: 17/6/88

CHECK SAMPLE:

LAB. NOTES: | CHEMIST: | DATE: / /

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: Jasper

LINE No: | LOCATION ON LINE OR HOLE NUMBER: JD1 | LOG PAGE 1 OF 3

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

METALS EXPLORATION LIMITED

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FIELD ENTRY | LAB. ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Sample Interval		Cu	Ag	Au				
6·25	26·50	0·25m	Olive-green (serpentinite?) clay - strongly fractured with rare black serpentinite(?) forming along fractures.	723120	24-27		30	<0·5	<0·008				
6·50	26·75	0·25m	Brecciated basalt: dark grey, slightly serpentinised, containing traces of jasper. Breccia clasts ≤ 3cm diam.										
6·75	28·20	1·45m	Grey-green mudstone (weathered serpentinite?) interbedded (interfaulted?) with more weathered material similar to (26·50-26·75). Slight brecciation with rare jasper.										
8·20	29·75	1·55m	Basalt: dark grey - brecciated in places with rare "foreign" lithics.	723121	27-30		30	<0·5	<0·008				
9·75	31·75	2·0m	Thinly interfaulted green mst (serpentinised bas?) & dark grey slightly serp^d basalt. Trace qtz veins with rare jasper. Veins/joints orientated at c. 45°										
1·75	33·00	1·25m	Strongly brecciated clay-rich zone with some white serpentine veins.	723122	30-33		40	<0·5	<				
3·00	33·20	0·2m	Very hard grey-green fine grained basalt - probably weakly silicified - Some millimetre thick qtz/calcite veins Traces (very rare) oxidised sulphides (poss cpy)										
3·20	36·50	3·3m	Brecciated grey-green mst (serp^d bas?) & dark grey serpentinite. Some silica & serpentine veining. Very rare cpy(?) - strongly oxidised - associated with silica veins & joints(?).	723123	33-36		30	<0·5	<				

AIR PHOTO / DRAWING No.:

LOGGED BY: J. Keall | MACHINE: | INCLINATION AT COLLAR: Vertical | BEARING AT COLLAR: | MAG./GRID:

SAMPLE TYPE: Diamond drill core | FIELD ENTRY BY: J. Keall & S. Carthew | DATE: 1/6/88

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: Jasper

LINE No.: | LOCATION ON LINE OR HOLE NUMBER: JD | LOG PAGE 2 OF 3

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

720458

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FIELD ENTRY / LAB. ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Sample Interval		Cu	Ag	Au					TUBE No.
6·50	50·00	13·5m.	Serpentinite: Dark grey-black frequently sheared, serpentinised pyroxenite (?). Some low angle veining of silica & milky serpentine (~ c. 20°).	723124	36-39		25	<0·5	<0·008					
			E.O.H.											

AIR PHOTO / DRAWING No.:

LOGGED BY: J. Keall | MACHINE: | INCLINATION AT COLLAR: Vertical | BEARING AT COLLAR: | MAG./GRID

SAMPLE TYPE: Diamond drill core | FIELD ENTRY BY: J. Keall + S. Carthew | DATE: 17/6/88

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: Jasper

LINE No: | LOCATION ON LINE OR HOLE NUMBER: JD1 | LOG PAGE 3 OF 3

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

720459

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FIELD ENTRY | LAB. ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT — Sample Interval	Cu	Ag	Au
0	6·2	6·2m	Basalt(?): Weathered dark grey-green porphyritic, containing 1-2mm size, dark prismatic pyroxenes(?) & grey plagioclase. Frequent inclusions of glassy(?) material - sometimes flattened ⇒ not when incorporated.					
·2	9·00	3·8m	Fresher equivalent to above. Coarser grained in places with rare interbedded tuffaceous(?) material. Tuff / basalt contact @ c. 20°. Silica veining at c. 60-75°. Slight alteration of inclusions.					
9·00	13·5	4·5m	Dark grey-green basalt. Increase in vein material - Veins composed of epidote and dark green (amphibole - tremolite/actinolite) Slight alteration to epidote.					
3·5	15·25	1·75m	Basalt: slightly serp^{d} dark grey basalt. Some serpentine veining @ 45-60°.					
5·25	- 20·20	4·95m	Fresh to slightly serpentinised basalt. Yellow-green epidote veins are common. Rare jasper associated with veins. Veins commonly @ 45° to vertical.	723125	15-18	160	<0·5	<0·008
			Rare epy, sometimes concentrated in veins (eg. at 18·90m)	723126	18-21	2250	<0·5	0·01
20·20	21·00	0·8m	Basalt: fresh, massive, fine grained, dk. grey. - Veins of yellow-brown very hard mineral @ c. 75°.					
21·00	23·25	2·25m	Coarser grained moderately serp^{d} amygdaloidal basalt. Contains abundant glassy lenticular inclusions up to 2cm in diameter	723127	21-24	120	<0·5	<0·008

MAP, AIR PHOTO OR DRAWING No.:

LOGGED BY: J. KEALL | MACHINE: Diamond Drill | INCLINATION AT COLLAR: Vertical | BEARING AT COLLAR: | MAG./GRID

SAMPLE TYPE: DD core | FIELD ENTRY BY: J. Keall | DATE: 24/6/88

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: Jasper

LINE No.: | LOCATION ON LINE OR HOLE NUMBER: JD2 | LOG PAGE 1 OF 6

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

720460

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METALS EXPLORATION LIMITED

HEAD OFFICE COPY

FIELD ENTRY / LAB. ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Sample Interval	Cu	Ag	Au
3·25	28·00	4·75m	Basalt: massive, slightly serp^d, fine grained, grey-green basalt. Some qtz/epidote veins – Rare jasper assoc.^{d} with qtz veins. Rare disseminated cpy associated with joints - (joints occur at all angles).	723128	24-27	65	<0·5	<0·008
3·00	32·00	4·0m	Basalt: Lightly to moderately serp^d. Only quartz veins.					
·00	40·50	7·50m	Basalt: Massive dark-grey basalt with epidote & qtz veins. Lightly - mod. serp^d. Veins/joints at high angles. Rare disseminated cpy. Rare jasper & py. in veins. In places becomes brecciated with qtz/epid. around clast boundaries – Silicious vug infillings.					
·5	43·75	3·25m	Basalt: Dark grey, fine grained, slightly serp^d. Up to 30% epidote veins. Amygdule cavities present. Rare cpy & py on joints.					
3·75	54·50	10·75m	Basalt: Dark green-grey, fine grained – Veins of calcite with rare jasper. Rare cpy on joint faces @ 30-70° (+ pyrite). Very rare epidote veins. Rare glassy inclusions – some silicious vug infillings.					
·5	54·7	0·2m	Serpentinite – Strongly sheared. – shear planes @ 75°					
·7	77·8	23·10m	Basalt: dark grey, fine grained with calcite veins – Rare epidote. Rarely brecciated – In places contains lenticular inclusions. Rare jasper in veins. Cpy sometimes associated with calcite veins. Veins orientated at vertical to 30°.					

AIR PHOTO / DRAWING No.:

LOGGED BY: J. Keall | MACHINE: | INCLINATION AT COLLAR: vertical | BEARING AT COLLAR: | MAG./GRID

SAMPLE TYPE: DD core | FIELD ENTRY BY: J. Keall | DATE: 24/6/88

PROSPECT OR PROJECT: HEAZLEWOOD | AREA OR GRID NAME: JASPER

LINE No: | LOCATION ON LINE OR HOLE NUMBER: TD2 | LOG PAGE 2 OF 6

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

720461

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY | LAB. ENTRY

ETALS EXPLORATION LIMITED

HEAD OFFICE COPY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION	GEOLOGICAL DESCRIPTION OF SAMPLE — ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Sample Interval		Cu	Ag	Au					Trace No.
17·8	T7·9	0·1m	Coarser-grained- dolerite (?)	— Some cpy associated — Slight epidote veining.												
7·9	84·4	6·5m	Basalt: Fine grained, dark grey- rarely brecciated Calcite veins with rare jasper. Light yellow/brown, hard mineral in veins. Rare serpentinised inclusions (< 1 cm) Veins @ 45°–70°. No mineralisation													
·4	101·6	17·2m	Basalt. Dark grey-green, fine grained. Contains rare serpentinised inclusions - (ex. glass?). Epidote veins are common, cross-cut & offset by calcite veins ⇒ later event. V. rare cpy assoc. with calcite veins. (also jasper). Epidote veins @ 70° to vertical – Calcite/jasper veins also very steep but at right angles. Black serpentinite common within calcite veins.													
·1·6	102·0	0·4m	Increase in brecciation ? serpentinisation – V. rare sulphides													
2·0	115·4	13·4m	Similar to (84·4–101·6) – Rare black serpentinite in veins. Very rare cpy, sometimes concentrated in joints & veins. Rare subrounded to angular inclusions of epidote(?) – replacing glass(?)													
5·4	115·6	0·2m	Increase in epidote & calcite/jasper veining – massive cpy in veins (c. 1cm wide)		723129	115-118		20500	0·5	0·01						
5·6	140·5	24·9m	Similar (101·6–102·0) – Increase in sub-rounded inclusions possibly representing vug infillings or replacement by silica? Rare intervals with higher vein content i.e. silica/calcite/epidote (rare) with related cpy.		723130	118-121		25	<0·5	<0·008						
					723131	121-124		25	<0·5	<						
					723132	124-27		150	<0·5	<0·008						
					723133	127-130		240	<0·5	<0·008						

AIR PHOTO / DRAWING No.:

LOGGED BY: J. Keall | MACHINE: | INCLINATION AT COLLAR: vert. | BEARING AT COLLAR: | MAG./GRID:

SAMPLE TYPE: DD Core | FIELD ENTRY BY: | DATE: 24/6/88

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: JASPER

LINE No.: | LOCATION ON LINE OR HOLE NUMBER: JA2 | LOG PAGE 3 OF 6

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

720462

LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY / LAB. ENTRY

ETALS EXPLORATION LIMITED

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; x = BELOW DETECTION LIMIT — Sample interval	Cu	Ag	Au
40.5	142.4	1.9m	Strongly brecciated & sheared - abundant veining. Vein material also occurs as clasts in breccia, probably indicating replacement of original material. Jasper is common as clasts. (Clasts ≤ 10cm diam) Basalt / breccia contact @ c. 45°. No mineralisation (apparent).	723134	130-133	50	0.5	<0.008
				723135	133-136	155	1.0	0.01
				723136	136-139	20	<0.5	<0.008
				723137	139-142	150	<0.5	<0.008
42.4	143.7	1.3m	Basalt: Massive, moderately with siliceous (qtz & jasper) vug infillings. Amygdaloidal texture.					
				723138	142-145	40	<0.5	<0.008
43.7	145.2	1.5m	Basalt. similar to above. Qtz-jasper as irregular, discontinuous veins.					
45.2	145.7	0.5m.	as above. Calcite & jasper veins @ 10°-70°.					
45.7	147.2	1.5m	Basalt. Veined & sheared amygd. basalt ~~&~~ brecciated in places.	723139	145-148	45	0.5	<0.008
47.2	151.0	3.8m.	Strongly sheared, ~~&~~ ~~serpentinised~~ brecciated or serpentinised - Some jasper in clasts & matrix. Becomes less sheared towards the base, resembling epiclastic / pyroclastic(?) breccia. Clasts ≤ 10cm - epidote occurs in matrix near base.	723140	148-151	40	<0.5	<
51.0	152.2	1.2m	Basalt(?): Massive fine grained, dark grey. Veins of calcite & jasper.					
52.2	152.7	0.5m	Breccia: Very high jasper content: - rare siliceous vug infillings - Extensively replaced obscuring original texture - Rare calcite veins.	723141	151-154	15	<0.5	<

TUBE No. 517

AIR PHOTO / DRAWING No.:

LOGGED BY: J. Keall | MACHINE: | INCLINATION AT COLLAR: Vertical | BEARING AT COLLAR: | MAG./GRID

SAMPLE TYPE: DD Core | FIELD ENTRY BY: J. Keall | DATE: 24/6/88

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: Jasper

LINE No.: | LOCATION ON LINE OR HOLE NUMBER: JD2 | LOG PAGE 4 OF 6

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

720463

[redacted] ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY / LAB. ENTRY

ETALS EXPLORATION LIMITED

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Sample Interval	Cu	Ag	Au	TUBE No.
52·7	159·7	7·0m	(contact @ c. 45°) Basalt - Massive fine grained, amygdaloidal. Jasper veins common - Rare qtz, calcite & epidote veins	723142	154-157	10	<0·5	<0·008	
				723143	157-160	25	<0·5	<0·008	
9·7	159·9	0·2m	(contact @ c 20°) Coarser grained with sub-rounded inclusions - massive jasper at base.						
9·9	161·2	1·3m	Basalt: Massive fine grained amygdaloidal. - Slightly serpentinised - Rare calcite veining.						
				723144	160-163	110	<0·5	<0·008	
1·2	163·3	2·1m	Volcaniclastic - probably pyroclastic rock - traces jasper & quartz as vug infillings - mod. serp^{d} Abundant undeformed pumice clasts(?) - rare epidote. (upper contact c. 60-70°)						
3·3	163·9	0·6m	Breccia - strongly sheared & cross-cut by calcite veins @ c. 70° - Clasts (<10cm) cpsd of amyg. basalt. - slight - moderate serp^{n}						
				723145	163-166	60	<0·5	<	
3·9	165·7	1·8m	Sheared breccia: Very fine grained, medium grey, moderately serp^{d}.						
5·7	165·8	0·1m	(contact @ c. 30°) Pyroclastic(?) breccia - contains clasts of calcite / qtz / jasper - also as matrix - moderately serp^{d}.						
5·8	167·2		(faulted contact @ 70°) Basalt(?): Very fine grained, slightly sheared & moderately serp^{d}.						

AIR PHOTO / DRAWING No.:

LOGGED BY: J. Keall | MACHINE: | INCLINATION AT COLLAR: Vertical | BEARING AT COLLAR: | MAG./GRID:

SAMPLE TYPE: Core | FIELD ENTRY BY: J. Keall | DATE: 2/6/88

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: Jasper

LINE No.: | LOCATION ON LINE OR HOLE NUMBER: TD2 | LOG PAGE 5 OF 6

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

158

720464

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FIELD ENTRY / LAB ENTRY

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Sample Interval	Cu	Ag	Au
7·2	169·3	2·1m	Pyroclastic(?) breccia - Clasts ≤ 10cm. - Quartz as vug infillings - Rare calcite veins @ c. 80°. Moderately serpentinised.	723146	166-169	40	<0·5	<0·008
69·3	174·2	4·9m	Basalt: Fine grained, commonly sheared, amygdaloidal - Shearing @ c. 45°. Rare coarser grained intervals. Rare jasper ± calcite veins (calcite also as vug infill) V. rare epidote. Jasper in places replaces groundmass.	723147	169-172	40	<0·5	<
74·2	184·4	10·2m	Pyroclastic(?)breccia - becomes finer grained with depth. Jasper replaces clasts ± groundmass (in places). With increasing depth calcite replaces groundmass. Moderately to lightly serpentinised.	723148	172-175	30	<0·5	<0·008
				723149	175-178	10	<0·5	<
				723150	178-181	50	1·0	<
				723151	181-184	60	<0·5	<
				723152	184-187	50	<0·5	<
84·4	217	33·6m	As above, but becoming increasingly serpentinised and sheared with depth. Frequent calcite veining Shears/veins @ c. 50°. V. rare jasper. In places the texture is recognisably volcaniclastic breccia. Serpentine occurs as greasy black mineral and as green clay-like mineral. Strongly serpentinised at the base (No evidence of any pyroxenite).	723153	187-190	40	<0·5	<
				723154	190-193	35	<0·5	<
				723155	193-196	30	<0·5	<
				723156	196-199	55	<0·5	<
				723157	199-202	30	<0·5	<
				723158	202-205	25	<0·5	<
			E.O.H.					

P; AIR PHOTO / DRAWING No.:

OGGED BY: J. Keall | MACHINE: | INCLINATION AT COLLAR: Vertical | BEARING AT COLLAR: | MAG./GRID:

MPLE TYPE: DD core | FIELD ENTRY BY: J. Keall | DATE: 24/6/88

PROSPECT OR PROJECT: Herzlewood | AREA OR GRID NAME: JASPER

LINE No.: | LOCATION ON LINE OR HOLE NUMBER: JD2 | LOG PAGE 6 OF 6

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

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

659

720465

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

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FIELD ENTRY | LAB. ENTRY

CO-ORDINATE FROM	TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M UNLESS OTHERWISE STATED, X = BELOW DETECTION LIMIT — Sample Interval		Cu	Ag	Au				
0	1	1m	No return.										
1	19.5	18.5m	Commonly strongly weathered orange-brown basalt. Rare fresher intervals = light to dark green, fine grained - Auto-brecciated (?) with clasts c. 10 cm. Slight silica veining - also dark green, hard mineral (amphibole - trem/actin?) Very rare epy in brecciated veins - Iron oxidation is common along fractures - Rare epidote. No common vein/joint orientations										
19.5	23.3	3.8m	Olive-grey clay - moderately weathered - rare more consolidated fragments of med-grained crumbly basalt, showing rudimentary bedding (?) - could also be exfoliation cleavage(?)	723159	21-24		10	<0.5	<0.008				
23.3	26.3	3.0m	Blue-grey clay - solid fragments similar to previous interval. Siliceous nodules (relict vug infill) and jasper are common -	723160	24-263		35	<0.5	<				
26.3	29.6	3.3m	(contact @ c. 20° ⇒ ~~original~~ true dip between 70° & 25°) Silicified basalt. Brecciated & silicified, medium green. - calcite & qtz veins are common - also as vug infills. ~~Rare~~ Veins are cross-cutting & discontinuous (stockwork) - General trend at 45° (⇒ either horizontal or vertical) Jasper veins are common (gently dipping) with rare serpentinised nodules (c. 2cm diameter) - c. 10cm thick massive jasper at base. - Occasional brecciation within veins										

AIR PHOTO / DRAWING No.:

LOGGED BY: J. Keall | MACHINE: Diamond | INCLINATION AT COLLAR: -50° | BEARING AT COLLAR: 055° GRID EAST MAG./GRID

SAMPLE TYPE: Diamond drill core | FIELD ENTRY BY: J. Keall | DATE: 1/7/88

PROSPECT OR PROJECT: Heazlewood | AREA OR GRID NAME: JASPER

LINE No: | LOCATION ON LINE OR HOLE NUMBER: JD3 | LOG PAGE 1 OF 3

CHECK SAMPLE

LAB. NOTES: | CHEMIST: | DATE: / /

LOG & ANALYTICAL REPORT Sheet No. of A/O

720466

SAMPLE LOCATION DETAILS ARE HIGHLY CONFIDENTIAL — THIS FORM ONLY FOR SAMPLES GOING TO M.E.L. LABORATORY

FIELD ENTRY | LAB. ENTRY

METALS EXPLORATION LIMITED

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CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER	RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT — Sample Interval	Cu	Ag	Au
6.3	29.6	3.3m	Mineralisation (up to 10%) occurs in disseminations and veinlets.	723161	26.3-26.7	2.25%	6.5	0.28
continued.				723162	26.7-27.6	505	1.0	0.085
			26.3 – 26.7 cpy > py > gal, Au(??) 10%	723163	27.6-28.6	255	0.5	<0.008
				723164	28.6-29.6	40	1.0	<0.008
			26.7 – 29.6 py > cpy average < 2%					
29.6	33.0	3.4m	Blue-grey clay – moderately to strongly serpentinised and sheared – contains silicious nodules representing ~~quartz vein~~ relict vug infillings – sub-rounded pebbles of less serp'd material	723165	29.6-33	35	<0.5	<
33.0	36.1	3.1m	Grey-green clay – serpentinised & strongly sheared – very soft, becoming more coherent towards the base.	723166	33-36	30	0.5	<
36.1	38.4	2.3m	Similar to (29.6-33.0) – contains rare jasper.	723167	36-39	25	0.5	<
38.4	39.0	0.6m	Medium green, fine grained serpentinite					
39.0	41.8	2.8m	Breccia – strongly sheared & veined – clasts of jasper are common – clasts ≤ 8cm. Shears generally @ c. 20°	723168	39-42	35	<0.5	<
41.8	49.1	7.3m	Similar – Becoming increasingly sheared & softer. More brecciated in places with alteration to serpentinite. Jasper rarely as clasts or within matrix.	723169	42-45	50	0.5	<
				723170	45-48	40	<0.5	<
49.1	52.5	3.4m	Less serpentinised, with high proportion of veins (mainly calcite) in places. Probable (py)roxenite detected at 52m.	723171	48-51	45	0.5	<

P, AIR PHOTO DRAWING No.				
LOGGED BY: J. Keall	MACHINE:	INCLINATION AT COLLAR: -50°	BEARING AT COLLAR: 055°	MAG./GRID:
SAMPLE TYPE: DDcore	FIELD ENTRY BY: J. Keall	DATE: 1/7/88		
PROSPECT OR PROJECT: HEAZLEWOOD	AREA OR GRID NAME: JASPER			
LINE No:	LOCATION ON LINE OR HOLE NUMBER: JD3	LOG PAGE 2 OF 3		

CHECK SAMPLE

LAB. NOTES: CHEMIST: DATE: / /

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

720467

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FIELD ENTRY | LAB. ENTRY

CO-ORDINATE FROM	CO-ORDINATE TO	DEPTH OR INTERVAL	GEOLOGICAL DESCRIPTION OF SAMPLE — ABBREV. GEOL. DESCRIPTION / ASSAY SUMMARY	SAMPLE NUMBER
52.5	54m	1.5m	Medium green, moderately serpentinised breccia. Moderately sheared. - Calcite veining is common.	723172
54	56.4	2.4m	Similar : grey - black - very rare jasper clasts.	
56.4	63m	6.6m	Moderately serpentinised. Veins of green serpentine common @ 50° to vertical. Rare calcite veins - Very rare jasper within calcite veins	
			E. O. H.	

RESULTS IN P.P.M. UNLESS OTHERWISE STATED; X = BELOW DETECTION LIMIT

Sample Interval		Cu	Ag	Au					TUBE No
51-54		30	<0.5	<					

P, AIR PHOTO / DRAWING No.:

LOGGED BY: J. Keall

MACHINE:

INCLINATION AT COLLAR: -50°

BEARING AT COLLAR: 055°

MAG./GRID:

SAMPLE TYPE: BQ Core

FIELD ENTRY BY: J. Keall

DATE: 1/7/88

CHECK SAMPLE

LAB. NOTES:

CHEMIST:

DATE: / /

PROSPECT OR PROJECT: Heazlewood

AREA OR GRID NAME: Jasper

LINE No:

LOCATION ON LINE OR HOLE NUMBER: JD3

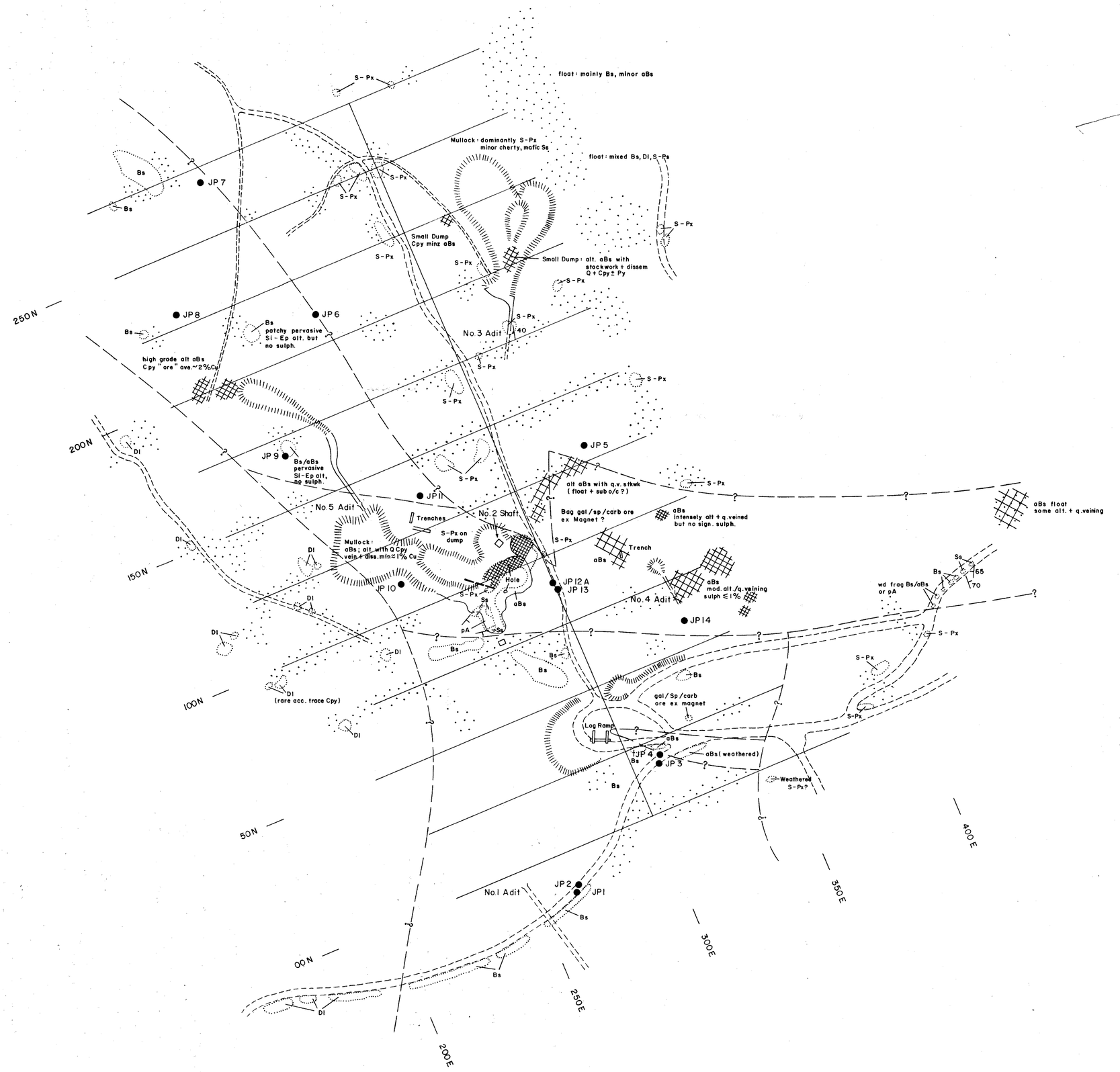
LOG PAGE 3 OF 3

LOG & ANALYTICAL REPORT Sheet No. of A/O

720468

358 900 mE
359 000 mE
359 100 mE
359 200 mE
359 300 mE
359 400 mE

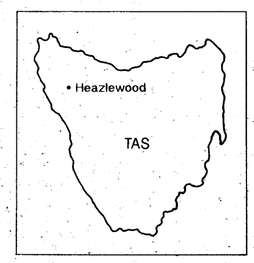
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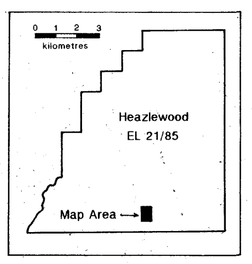
88-2876

720469

LOCATION MAP



MAP AREA



LEGEND

- Outcrop boundary
- Area of float rock
- Mullock / Dump
- Geological boundary approximate ?/inferred
- Strike/Dip of bedding
- " " Foliation
- " " Joint
- " " Fault
- Formed tracks
- Percussion drill hole

DI	Fine to medium grained dolerite
Bs	Fine grained basalt; generally fresh patchy local Si-Ep alt. but not with sulphides
pA	Porphyritic Andesite. f.m.g. mafic lava? with small phenocrysts plagioclase and ferromagnesians
Ss	Sediments: fine to medium grained sometimes cherty, dark greenish grey (mafic?) siltstones and fine wackes.
aBs	Amygdaloidal Basalt, generally strongly altered (silicified) with varying intensity of qtz + cpy stockwork veining and / or disseminated Cpy ≥ Py. Probably pillowed flows.
S-Px	Serpentinized/Steatitized Pyroxenite (?)
	Zone of qtz stockwork veining generally with assoc. Cpy ≥ Py veinlet and dissem. minz in range 1-5% sulphides (or limonite ex sulph) Density of cross hatching indicative of intensity of stockwork/minz.

GN AMGN MN
Local Grid
5 cm

0 20 40 60 80 100
metres

METALS EXPLORATION LTD.

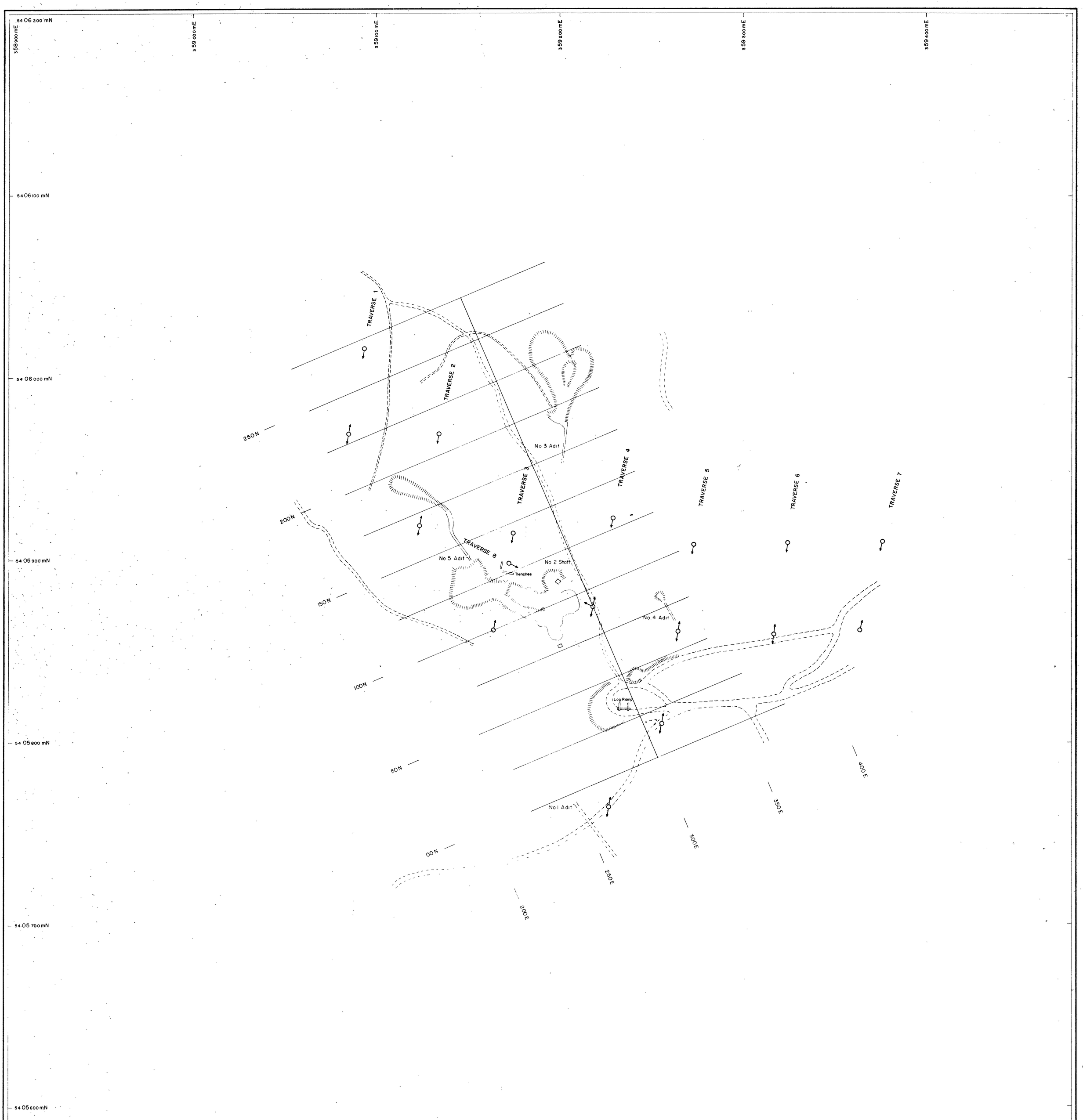
Project: HEAZLEWOOD EL 21/85
Tasmania

Title: OLD JASPER MINE

GEOLOGICAL PLAN

1782

Author	Dept Perth	Scale	1:1,000
Drawn S.L.C.	Date 6/88	Revised	Date
Drawing No. 02/HZ/2/21		Fig No. 1	


358900 mE
359000 mE
359100 mE
359200 mE
359300 mE
359400 mE
54 06 200 mN
54 06 100 mN
54 06 000 mN
54 05 900 mN
54 05 800 mN
54 05 700 mN
54 05 600 mN
54 05 500 mN
TRAVERSE 1
TRAVERSE 2
TRAVERSE 3
TRAVERSE 4
TRAVERSE 5
TRAVERSE 6
TRAVERSE 7
TRAVERSE 8
250N
200N
150N
100N
50N
00N
No 3 Adit
No 5 Adit
No 2 Shaft
Trenches
No. 4 Adit
Log Ramp
No 1 Adit
400E
350E
300E
250E
200E
5 cm
720470
88-2876
Heazlewood
TAS
0 1 2 3
kilometres
Heazlewood
EL 21/85
Map Area
LOCATION MAP
MAP AREA
LEGEND
Collar Position and Azimuth Direction
All holes approx 50m depth
inclined at -45% from horizontal.
GN
AMGN
MN
Local Grid
0 20 40 60 80 100
metres
METALS EXPLORATION LTD.
Project
HEAZLEWOOD EL 21/85
Tasmania
Title
OLD JASPER MINE
PROPOSED PECUSSION DRILL HOLES
7253
Author W.H. Dept Perth
Scale 1:1,000
Drawn S.L.C. Date 3/88
Revised Date
Drawing No 02/HZ/1/09
Fig No 2