

# **ZEEHAN NICKEL PROJECT**

**EL 28/1988**

## **ANNUAL REPORT**

**For Period Ending  
December 2004**

*Prepared for:*

**Allegiance Mining NL  
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## **1. SUMMARY**

Exploration Licence 28/1988 is considered highly prospective for nickel sulfide deposits of the Avebury style.

This belief is strongly supported by recent drilling results at the East Avebury and Burbank prospects.

Resources identified at either of these projects would be within easy underground or surface haul distance of the Avebury mine development. As such, they are viewed as key components to the commercial development of Avebury.

To aggressively explore these projects within EL 28/1988 in conjunction with similar projects within the contiguous EL 22/1997 and ML 5/2003 is now a high priority strategic objective for the Company.

As such, drilling programs are planned for both East Avebury and Burbank during 2004-05. This work is estimated to cost \$400,000 and is scheduled for completion in May 2005. Portion of the Burbank drilling program is attributable to EL 22/1997, as that prospect straddles the tenement boundary.

## 2. EXPLORATION OBJECTIVES

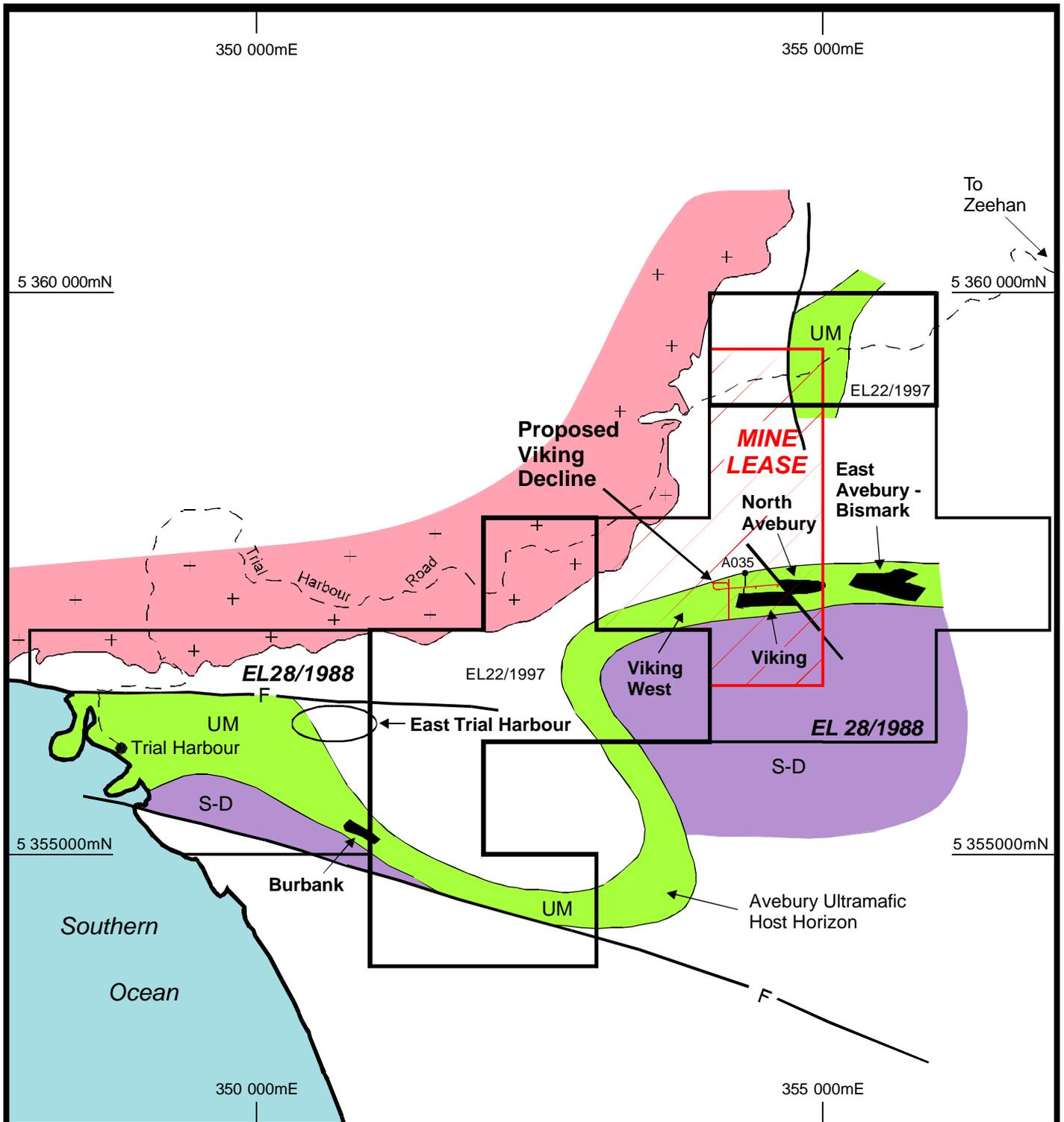
Exploration Licence 28/1988 is regarded as highly prospective for the discovery of nickel sulfide deposits of the Avebury style; ie, pentlandite-bearing skarn deposits hosted by Cambrian mafic and ultramafic formations lying within the contact metasomatic aureole of the Heemskirk Granite.

The licence consists of two parts.

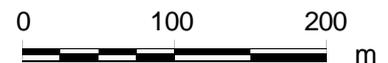
The **eastern part** is contiguous with ML 5/2003 and covers eastern strike extensions of the Avebury Mine stratigraphy. Airborne geophysical surveys, complemented by ground geological, geochemical and geophysical surveys have identified a substantial number of target anomalies within this stratigraphy. Drilling to date has focused on one of these anomalies known as East Avebury-Bismark. Significant intersections of nickel sulfide have been obtained and the prospect is considered highly analagous to Avebury.

The **western part** covers western strike extensions of the Avebury Mine stratigraphy, somewhat modified by strong regional faulting and possibly concealed in some areas by overthrusting of thin sheets of Precambrian sediments. Airborne and ground surveys have again identified a substantial number of high order anomalies. Work to date has focused on the Burbank prospect where drilling has identified a broad zone of secondary nickel mineralisation in weathered ultramafics adjacent to a major fault. The Burbank prospect straddles the EL 28/1988 and EL 22/1997 boundary.

Further discoveries on either part of EL 28/1988 will significantly affect the development strategy of the Avebury Mine. Reflecting the importance of such discoveries, Allegiance's exploration objectives are to aggressively pursue drilling programs on EL 28/1988 principally on East Avebury-Bismark and Burbank, but probably also on Viking West and other anomalous areas.



SCALE : 1:5000



**LEGEND**

- ++ Granite
- UM Ultramafics
- S-D Silurian-Devonian Sediments
- Mineralised zones

**Allegiance Mining N.L.**

EL 28/1998 - ZEEHAN

**LOCATION PLAN**

Compiled : L. Newnham
Date: November 2004
Drawn : G.M. Bennett
Revisions:
File: AveburyNIPotential.cdr

**Newnham Exploration and Mining Services**

Figure No. 1

### 3. WORK COMPLETED THIS YEAR

Principal field work completed during the year was the helicopter-supported drilling of hole DDH B7 at Burbank. This hole straddled the boundary between EL 22/1997 and EL 28/1988 and was, therefore, also reported in EL 22/1997 Annual Report.

**DDH B7** was drilled to test the depth extension of a broad nickel rich zone identified at surface by mapping, lithogeochemical sampling and six (6) shallow (<20 m) cored drill holes. This shallow work identified a zone 20-50 m wide extending over 200 m with nickel grades typically in the 0.5-1.5% Ni range. The area was underlain by severely altered ultramafics carrying numerous intervals and veins of hematite-limonite which expressed themselves as large gossanous outcrops.

DDH B7 intersected this zone approximately 100 m beneath the outcrop but only 20 m below river level. The interval was very weathered and characterised by brown, yellow and green clays and altered ultramafics lying in the footwall of a major fault/breccia zone.

**Core recoveries through the zone were very poor** but the material that was recovered assayed 24 m 0.77% Ni and 0.28% Zn.

The intersection is interpreted as still being in the leached and weathered zone above a possible deeper sulfidic unit.

A second hole was planned to further test this zone along strike but was not completed due to budgetary issues associated with the high cost of helicopter-supported drilling and the shortening days late in the season, which detrimentally affected the cost efficiency of helicopter-supported drilling.

## **4. WORK PLANNED NEXT YEAR**

Field work is planned in three areas of EL 28/1988 during the coming year:

- drilling at Burbank
- drilling at East Avebury/Bismark
- surface evaluation of Trial Harbour East anomaly

### **4.1 Burbank:**

Two cored drill holes totalling 700 m are planned to test the depth extension of the nickel rich zone intersected in DDH B7.

The drill holes will be helicopter-supported and are scheduled for completion in December-January 2004-05.

Estimated cost for this work is \$240,000.

### **4.2 East Avebury-Bismark:**

Two cored drill holes totalling 900 m are planned to follow up recent drilling which has resulted in the discovery of significant nickel sulfide mineralisation in an altered ultramafic, interpreted as closely analagous to Avebury.

One hole is planned down dip of A 032 (13 m 0.55% Ni) and A 033 (23 m 0.85% Ni). The second hole is planned along strike from A 033 beneath a large Ni-As-Zn geochemical anomaly.

The East Avebury road will have to be extended and the Comstock Creek bridge re-established to facilitate this work.

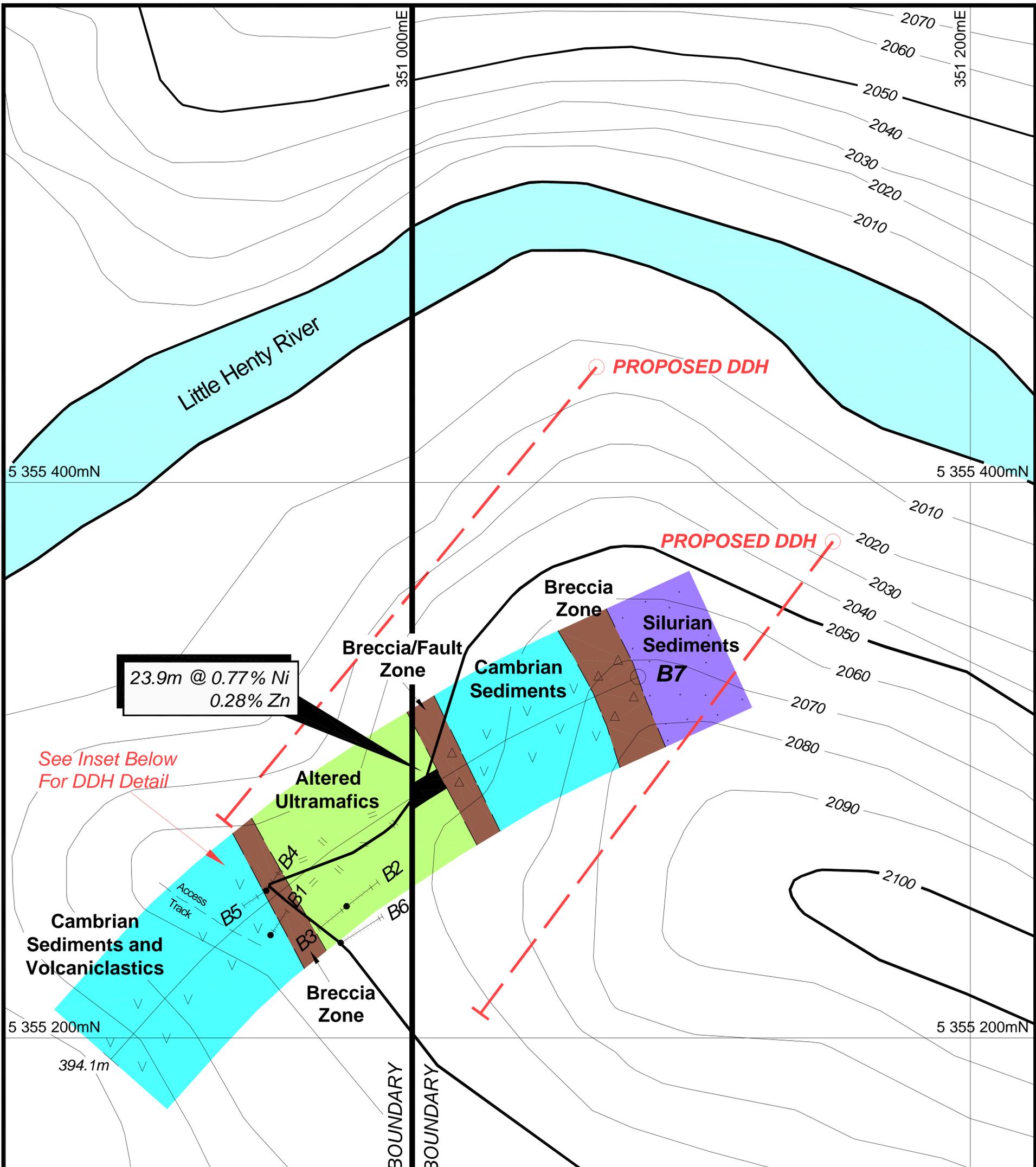
Drilling is scheduled for February-March at a cost of \$120,000.

### **4.3 Trial Harbour East:**

The 1998 Allegiance airborne magnetic survey identified a large anomaly lying east of Trial Harbour beneath an area mapped as a slice of Precambrian sediments overlying Cambrian formations within the contact aureole of the Heemskirk Granite.

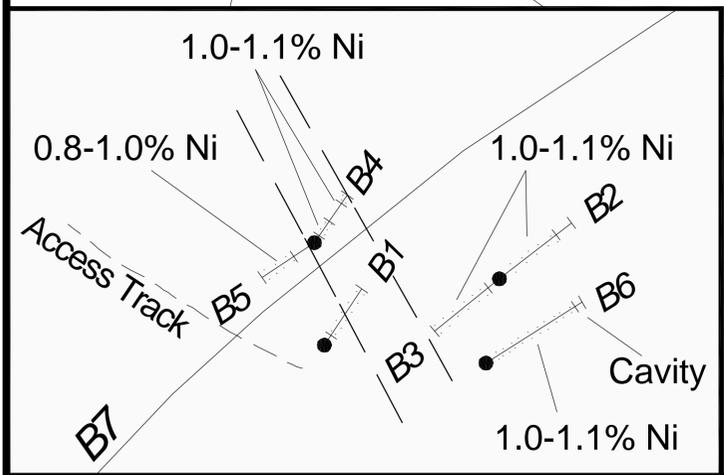
It is planned to field check this area in summer with mapping and litho-geochemical sampling, ahead of a decision to possibly drill test.

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23.9m @ 0.77% Ni  
0.28% Zn

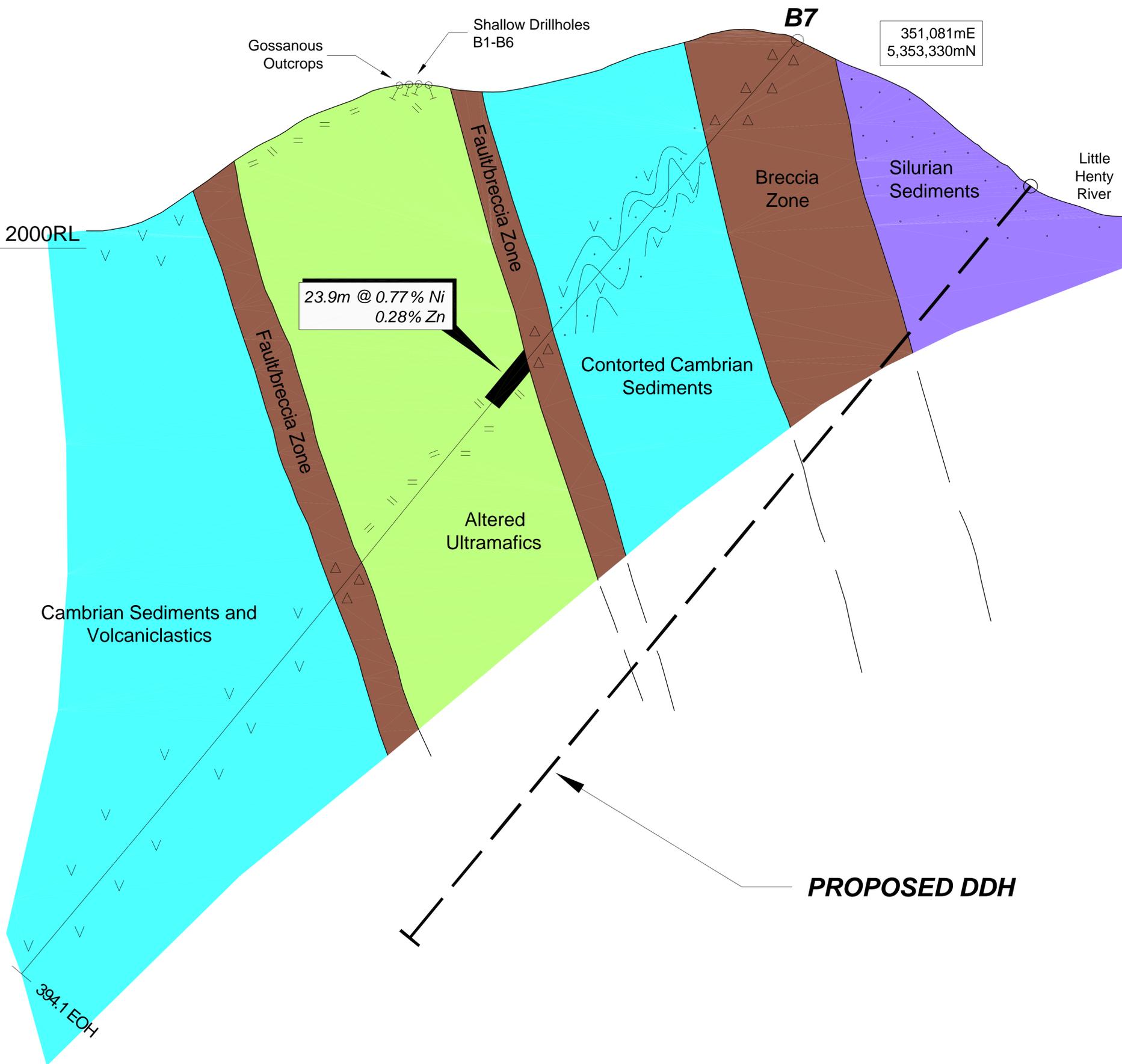
See Inset Below  
For DDH Detail



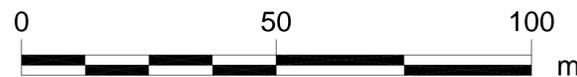
<b>EL 28/1988 - ZEEHAN BURBANK PROSPECT DRILLHOLE B7 PLAN</b>	
Compiled : L.Newnham Date : November 2004 Drawn : G.M.Bennett Revisions :  File : Avebury DDH B7 Plan	
	Figure No. 2

2100RL

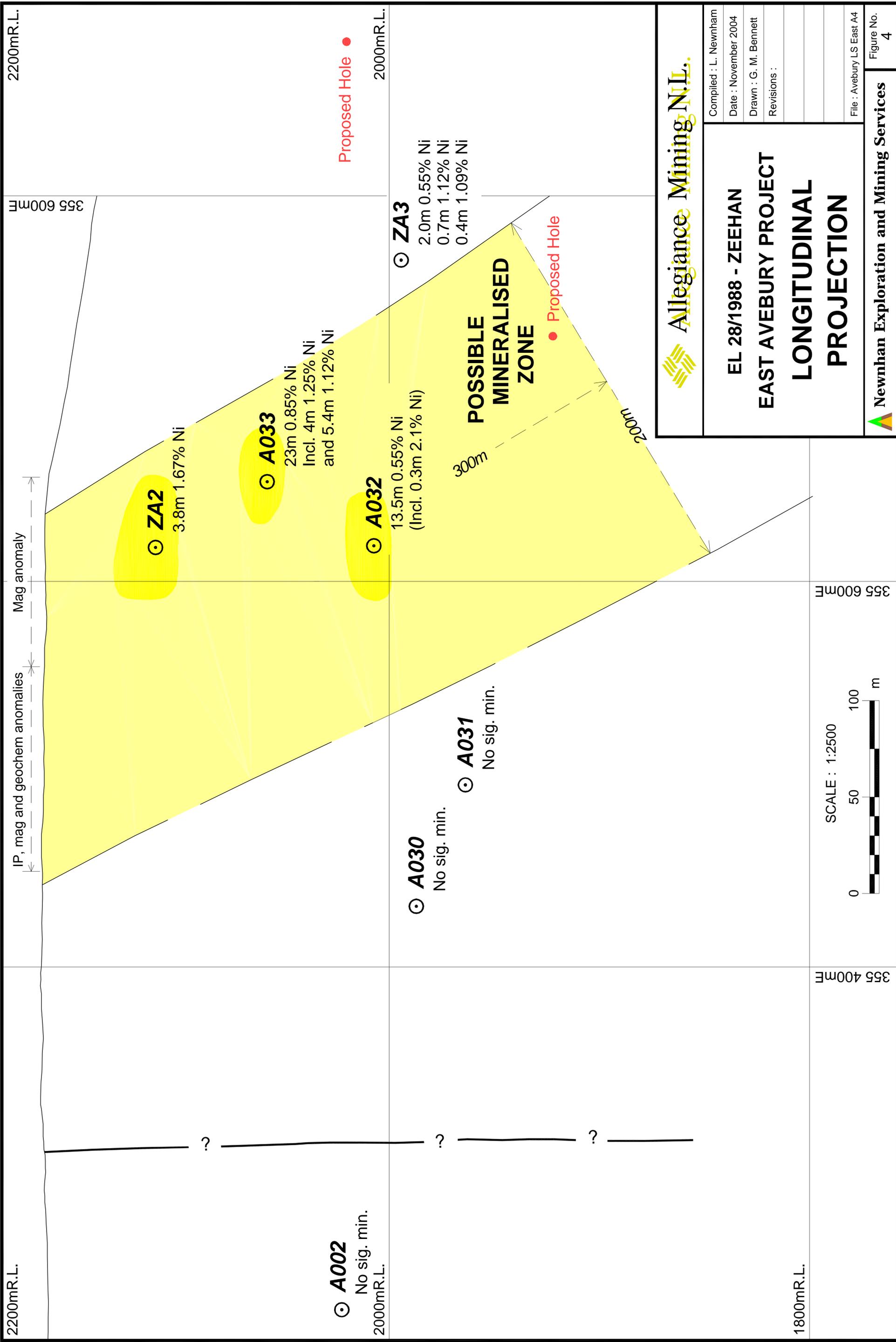
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SCALE : 1:2000



 <b>Allegiance Metals Pty Limited</b>	
<b>EL 28/1988 - ZEEHAN</b> <b>BURBANK PROSPECT</b> <b>DRILL SECTION DDH B7</b> <b>ORIENTATED 220°</b> <b>LOOKING NW</b>	Compiled : L. Newnham Date : November 2004 Drawn : G.M.Bennett Revisions :  File : Avebury XS DDH B7
 <b>Newnham Exploration and Mining Services</b>	Figure No. <b>3</b>



<b>EL 28/1988 - ZEEHAN EAST AVEBURY PROJECT LONGITUDINAL PROJECTION</b>	
Compiled : L. Newnham	Date : November 2004
Drawn : G. M. Bennett	Revisions :
File : Avebury LS East A4	Figure No. 4

**Newnham Exploration and Mining Services**

# ***Appendix A***

## **DDH B7 log**



from	to	description
0.00	15.40	<p><b>Fault zone:</b> Polymict cataclasite bearing weathered and altered variable lithologies in intervals to 5m+ within highly broken core, including puggy fault breccia zones. Lithologies include Cambrian-aged cream to mostly light brown/purplish thin bedded siltstone and Silurian-aged medium bedding thickness eg quartz sandstone, fg quartz sandstone, grey silicified quartzite, as well as common calc silicate and silicia-serpentinite altered clasts and one magnetite-veined Fe-oxidised clast. Up hole facing from graded beds and sediment rafts is evident in sediment intervals. Bedding to core angles are mostly high, with moderately tight folding and disrupted bedding evident locally (eg. 28.5m). Enclosing the coherent lithology zones is poorly to semi consolidated (Recent/Tertiary-aged?) breccia bearing a puggy clay matrix with poorly sorted irregular and angular clasts to 10cm. Pervasive cream to pale green silica-serpentinite alteration is mostly weak (locally intense) and lithology selective (coarser grained units), with irregular sharp margins locally. Some zones display later-stage overprinting wispy and joint following sil-serp veining of locally strong intensity.</p> <p><b>0.00m to 1.70m:</b> Broken weathered puggy core, mostly light tan, fg siliceous sandstone with sparse mg quartz grains.</p> <p><b>1.70m to 8.45m:</b> Light tan weathered and grey to pale green and green when fresh, relict altered siltstone and fg sandstone (siliceous; thin bedding to 10cm locally) interbedded with minor quartz sandstone / quartz granule-lithic sandstone and fg/mg feldspathic (arkose; eg. 6.15m) sandstone. Probable up-hole facing from graded bedding. Skarn-like calc-sil(/silica-serpentinite) alteration of variable intensity (weak to strong) commonly displays bedding parallel and flow-like form, often selectively replacing feldspathic beds and leaving zones of less altered (serp w/m, locally m/s) fg/mg (Crimson Creek Formation-like) arkose. Alteration is mostly pervasive with semi-pervasive zones showing relatively sharp irregular contacts with the enclosing sediment. Late overprinting often wispy fine semi-translucent silica-serpentinite veinlets. Core typically highly broken with strongly</p> <p><b>8.45m to 15.40m:</b> Zone of fault breccia and broken core, similar to above, comprising mostly fg q-sst (Silurian sediment) clasts and cream calc-silicate altered clasts of variable size to 30cm+. The larger blocks commonly displaying breccia along internal fractures with near jigsaw fit of the clast portions forming the blocks.</p>
15.40	24.70	<p><b>Sandstone and lesser siltstone:</b> Light brown, locally pale green (when altered), dominantly fg sandstone with lesser siliceous siltstone (Silurian sediments?). Locally thin bedded, otherwise includes a few quartz-sandstone beds to 40cm+. Commonly broken core with altered zones being more coherent. Locally highly broken zones with puggy, little consolidated fault breccia. Limonite on fractures (w/m). BCAs 65o @ 16.2m, 70o @ 20.65m, 80o @ 21.4m.</p>
24.70	28.35	<p><b>Fault zone:</b> cataclasite bearing weathered and altered variable lithologies (dominantly Silurian</p> <p><b>24.70m to 25.15m:</b> Fault breccia with puggy matrix and clasts of cg q-sst &amp; fg sst.</p> <p><b>27.30m to 28.15m:</b> Faulted and disturbed bedding, local zones foliation(m) in pale green siliceous matrix, pgn sediment breccia zones, bearing q-sst, cg to fg sst and silicified clasts within a thinly foliated matrix. 0.5cm dextral offset microfault @ 28.15m.</p> <p><b>28.15m to 28.35m:</b> Poorly consolidated fault breccia.</p>

from	to	description
28.35	37.20	<p><b>Sandstone and minor siltstone:</b> fault breccia on narrow joint planes. Includes a significant lithology pervasive sil(m/s) zone. The down-hole margin of silica overprint is diffuse, merging to little altered mg sst, bearing fracture/joint following pgn clayey serp(w)-veinlets(m; eg. 36.2m). 3cm dextral offset microfault within sst beds @ 30.3m. Highly broken core from 35.2m.</p>
37.20	41.40	<p><b>Fault/shear zone:</b> Foliated(w) and banded zone with lesser puggy fault zones. Contains variable sized and irregular breccia-lithics, comprising silicified slst in a q-bearing matrix with patchy sil-serp-pyrrh alteration. The matrix is locally serpentinitised(m) with irregular py-rich zones (eg. 39.9m). Serp(w) overall with minor semi-perv sil(w) - dss mag and FeO(w) on fractures. Foliation to core angle 70° to 80°. Tertiary fault reactivation of a Devonian fault?</p> <p><i>37.20m to 37.40m:</i> Broken core, heterolithic fault breccia bearing Silurian qtzite and Cambrian mafic and calc-sil altered sediment clasts.</p> <p><i>37.40m to 38.25m:</i> Tan coloured weathered interval/fault zone clast with semi-pervasive dss and veined magnetite overprinting a q-rich matrix with relict bedded slst at the interval end. Orange oxidised colour after sulphide?</p>
41.40	50.35	<p><b>Volcaniclastics and skarn:</b> bdd adjacent to zones of calc-sil altn) Cambrian mafic volcaniclastic siltstone, as well as cream and green calc-silicate and silica-serpentinite skarn, commonly displaying/overprinting relict foliation, that bears variable quartz grain content to granule size (after shear zone?). Irregular silica-serpentinite patches and lenticular foliation parallel zones(m, overall) are evident within dark green matrix pervasive serpentinite zones, marginal to the pervasive calc-silicate alteration. Pyrite and pyrrhotite are evident as a fg disseminated and irregular stringers/patches, mostly within the sediments (2%, locally 5%). Sparse disseminated mag(w) is evident in silica-serpentinite altn at 48.4m. Devonian-aged? foliation 80o@ 44.7m and 75o@ 49.85m.</p>
50.35	122.50	<p><b>Volcaniclastics:</b> grey thin bedded to locally laminated, mostly fg mafic volcaniclastic sst and slst (Cambrian), with minor thicker beds of mg mafic and lithic fg mafic volcaniclastic sandstone. The latter apparently being a little more feldspathic than the enclosing sediments. Minor syn-sedimentary micro-faulting locally. Py and pyrrh variably dss and vnd to 4% locally as wispy sulphide-rich bk mdst lithics?. Sparse zones of serp/sil-serp pervasive and vnd alteration (eg. 63 to 63.7m). Local fine wavy foliation is evident in the serp zones, possibly reflecting pre-Tertiary faulting/shearing. Limonite on fractures(w/m) after serp-sil veins. Trace quartz(eg. @ 105.4m) and carbonate vns. Core is commonly broken with minor puggy fault zones. Variable intensity joints and fractures are 2 to 20cm spaced, with the highest intensity at the interval ends and near faults. Interval terminates in a highly broken core zone.</p> <p><i>50.35m to 51.92m:</i> Disseminated fg and stringer serp-veinlet(w/m), pyrrhotite(4% mag(w)) in thin bedded mafic volc sst &amp; slst. Narrow (4cm) monomict mafic volc sst clast-bearing fault breccia with weathered tan puggy matrix is evident at 51.5 and 51.9m.</p>

from	to	description
		<p><b>51.92m to 61.55m:</b> disseminated pyrrhotite(2%) and mostly weak intensity pyrrhotite stringer veinlets. The intensity of this veining is moderate from 55.3 to 55.7m) and w/m from 57.8 to 60.2m near a fold closure? where BCAs are sub parallel to core). A faulted zone from 56.5 to 56.8m bears wed ora clay on joints(w/m), after serp - py veining which displays slickensides of dextral offset (up-hole moving down-hole) at 15 to core. Sharp contact microfault 40 @ 54.1m. BCAs 60 @ 54.1m, 50 (facing up-hole / graded bedding) @ 54.65m, 65@55.05m, 30 (down-hole facing graded bed)@55.7m, 45@56.45m, 10@57.85m, 40@58.9m, 40@60.55m, 50@62m.</p>
		<p><b>61.55m to 62.95m:</b> Dark grey fg to mg thin bedded mafic volcanoclastic sandstone with abundant(20%) dark grey wispy flecks bearing fg pyrrhotite (mag w/m). (pyrrhotite replaced lithic volc sst?). Stringer pyrite veinlets(w).</p>
		<p><b>62.95m to 63.65m:</b> Green silica - serpentinite zone(m/s) overprinting (pervasive and hydrofracture breccia) polymict fine fault breccia, containing angular to sub rounded clasts to 3cm of fg and mg sil-serp altered sediment and grey siliceous frags. Irregular and foliation parallel black veinlets mag(w). Lower contact foliation at 55, upper sharp at 60. Disseminated and veinlet py to 4%, locally as relict blebs to 1.5cm dia of silica-serp-py, evident in upper 15cm.</p>
		<p><b>63.65m to 68.70m:</b> Thickly bedded / massive mg mafic volcanoclastic sandstone. Disseminated and veinlet pyrrhotite (mag(w)) 1% to 3% locally. 64.15 to 64.25m includes wed tan FeO on joints after slickensided serp-py veining with minor fault breccia at end. Similar from 68.3 to 68.7m.</p>
		<p><b>68.70m to 73.05m:</b> Moderately broken core of mostly med bed thickness fg pyrrhotitic lithic-bearing mg mafic volcanoclastic sandstone. Lithics mostly range to 5mm. Pyrrhotite 1%. Similar to 61.55 to 62.95m.</p>
		<p><b>73.05m to 99.00m:</b> Grey thin bedded (to 4cm, mostly 0.5 to 1cm) fg mafic volcanoclastic sandstone and siltstone. Also including minor pale green to pinkish slightly siliceous fg sst/wacke with thin slst interbeds from 88.2 to 90m. Microfractures of dextral 1 to 4cm offset (up-hole side moving down) locally; 2 at 40 and 90 opposed near 84.65m; probable soft sediment deformation features. Moderately broken core with zones of wed tan clay after serp-py veining throughout(w). Pyrrhotite typically 0.5%. pervasive sil-serp(w) hydrobreccia with 1cm puggy zone in pinkish mg sandstone 84.95 - 85.1m. Serp-sil(w/m) hydrofracture breccia 97-97.2m. Quartz-carbonate veinlets (w, 0.5cm wide) 102.5 to 105m at 30 to core. Carbonate hydrofracture breccia 5cm wide 60@88.5m. BCAs 80@71.75m, 50@74.2m, 70@75.9m, 70@78.5, 65@84.25m, 75 (probable up-hole facing) @85.2m, 60 (up-hole facing from rip up clast and basal scour) @88m, 60@88.5m, 50@93.9m, 65@95.05m.</p>
		<p><b>99.00m to 102.00m:</b> Highly broken, core loss reported. Includes intervals 20cm+ of recent monomict puggy fault breccia, bearing mafic volcanoclastic sediment clasts.</p>
		<p><b>102.00m to 108.50m:</b> Thin bedded mafic volcanoclastic sediments, similar to interval 73.05 to 99m. BCAs 43@103m (graded bedding-up-hole facing), 50@103.5m, 10@104.5m, 10@105.5m, 0@107.8m.</p>
		<p><b>108.50m to 109.80m:</b> Dark grey medium bedded lithic? fg mafic volcanoclastic sandstone. Similar to interval 68.7 - 73.05m.</p>

from	to	description
		<p><b>109.80m to 119.50m:</b> Thin bedded mafic volcanoclastic sediments, similar to interval 73.05 to 99m. BCAs 10@109.8, 20@110.7m, 30@115.4m, 40@119.3m; possible down hole facing at 116.15m.</p> <p><b>119.50m to 122.50m:</b> Broken zone.</p>
122.50	155.40	<p><b>Calc-silicate host rock (altered serpentinite);</b> broken core / fault zone; core losses reported by driller: see core recoveries and assays.</p> <p><b>134.00m to 137.50m:</b> Brown pervasive silica alteration</p> <p><b>137.50m to 155.40m:</b> Broken core in fault zone with puggy fault gouge matrix. Includes intervals to 25cm of cream and pale bright green (Ni-stained) pervasively calc-silicate?(m) altered thin bedded Cambrian mafic volcanoclastic sediment.</p>
155.40	194.00	<p><b>Ultramafic with mineralised margins.</b> Cream and black where magnetite alteration mostly intense. Grey and green where less altered with serp(s) pervasive zones locally evident with moderate foliation, pervasive cream silica - black magnetite alteration overprint is common(m). Relict mg/cg ultramafic texture locally where less altered. Coarse grained pale green dunite zones, Magnetite often follows a weak foliation/banding. Semi-pervasive/veined mag varies from ? to ?. Several repeats of textural variation are considered representative of ultramafic extrusive flow facies. This sequence, which is best represented by the uppermost interval, is breccia/mottled texture, sometimes followed by narrow massive spinifex textured ultramafic, grading to a banded (flow foliated?) zone and return brown and cream silicate altered zone, possibly representative of flow base thermal metamorphism. Silica overprint - feldspathic scum zones. Fragmental zones with clasts displaying curved/wavy banding (flow aligned frags in a hyaloclastite lava flow carapace?. Sulphide generally trace with intervals to 1% locally over 30cm+. Repetition of sequence - mottled fragmental appearing grading to t</p> <p><b>155.40m to 156.80m:</b> Ultramafic upper contact marked by broken core, grey to green with veined and pervasive silica - magnetite overprint, bearing disseminated magnetite (m/s). Brown silicate/silica overprint is veined and semi pervasive evidently following brittle style fractures, suggesting late stage emplacement relative to the ultramafic. Disseminated sphal trace, trace sulphide - pyrrh/pent?</p> <p><b>155.40m to 156.80m:</b> Broken core, grey to green mag(m) disseminated and veinlets, sphalerite (tr), late q-vnd, over cream and green altered ultramafic. Brown silicate/silica overprint (m) veined and semi-pervasive late stage . Largely filling brittle style cracks and pervading matrix.</p> <p><b>155.40m to 161.00m:</b> reaching 2% (eg. 162.8m). mag(m/s). Apple green silicification as semi-pervasive zones and veinlets(w/m), fades to weak, then trace beyond 165.2m. @161.2 5cm is a crm sil(s)-cg mag(m) zone.</p> <p><b>156.80m to 161.85m:</b> Mottled cream and grey ultramafic with semi-pervasive irregular zones of apple green Ni?-silicate. Sulphide trace, pervasive serp(m), Zones of strong semi-pervasive cream and black silica-magnetite within otherwise moderate intensity alteration. Late carb veins(w) on fractures.</p> <p><b>161.85m to 161.91m:</b> elongate cream silicate clasts near the down hole contact. Represents an inter-flow sediment?</p>

from	to	description
		<b>161.91m to 163.20m:</b> Breccia textured cream and grey Ultramafic, bearing angular sometimes banded Ultramafic fragments and becoming massive toward the interval end. Flow top breccia? Trace patches sulphide.
		<b>163.20m to 164.00m:</b> altered mafic mineral laths - relict spinifex texture? (flow top?). vfg py/pyrrh?(0.5, locally 2%), sph(tr), apple gn sil(w)
		<b>164.00m to 169.25m:</b> Massive ultramafic, sphal(tr-0.5% locally), vfg sulphide(tr-1%, locally), apple gn sil(tr).
		<b>168.50m to 170.70m:</b> foliation locally strong, particularly near the interval base, Foliation 30 @ 168.6, 60 @ 169.5, 40 @ 170.4m. Late carb veinlets at irregular angles(w/m), cross cut banding. Interval ends in brown silica zone @ 170.7m, with carbonate filled breccia.
		<b>169.25m to 171.00m:</b> Apple gn sil(m/s), sphal(1-2%), vfg sulphide(tr), honey bn wispy replacement texture occurs over the last 50cm.
		<b>169.30m to 169.60m:</b> 2% pale sulphide, brown sphalerite (0.5%)
		<b>169.80m to 170.15m:</b>
		<b>170.70m to 175.85m:</b> banded, increasing in intensity to 175.9m where foliation is strong at the basal contact. 30@175.5m. pervasive sil-serp(w/m). Brownish sulphide (pent?) tr to locally 0.5%(171.7 - 172.3m & 174.6 -
		<b>171.00m to 175.90m:</b> locally convoluted toward the base. Sphal(tr-1% locally), vfg sulphide(tr-0.5% locally).
		<b>175.85m to 175.90m:</b> strong foliation bearing angular fragments. Carbonate and magnetite alteration from the interval below is truncated.
		<b>175.90m to 178.45m:</b> Ultramafic, mottled colour, light brown and cream & black. Brecciated/fragmental appearance becomes evident at the interval base. Contains mg relict brown olivine texture overprinted by semi-matrix-pervasive crm and pgn calc-silicate-magnetite alteration, bearing cg dss brown sphalerite? and trace other sulphide. Irregular stockwork and locally semi-pervasive magnetite(m) is overprinted by calc-silicate and cross cutting carbonate veinlets(w), the latter locally displaying cockade banding texture. Carbonate fills late stage microfaults with up to 5cm displacement being evident.

from	to	description
		<p><b>177.45m to 178.45m:</b> Fg ultramafic interspersed with clast-like zones of apple green sil-serp(m). Magnetite locally evident as cg blebs to 1.5cm diameter, but mostly as veinlets and dss. Vfg sulphide (tr - 0.5%)</p>
		<p><b>178.45m to 179.60m:</b> Massive, pgn and gn pervasive sil-serp-mag altered ultramafic, sil-serp vnd(w), pyrrh/pent(tr).</p>
		<p><b>179.60m to 179.90m:</b> (3%) dss and vnd.</p>
		<p><b>179.90m to 186.60m:</b> acicular bk crystals of tourmaline? - mag? - replacement of spinifex texture?, mag(w/m). Pyrrh/pent(tr-0.5%), sphal(tr-locally 1% over 10cm). Carb veined(w) to 1cm width parallel to core axis and at 45.</p>
		<p><b>183.70m to 184.05m:</b> Mag(m) - pent(2%, vnd)</p>
		<p><b>186.60m to 189.75m:</b> Grey massive ultramafic, sil-serp(m)-mag(m), pyrrh/pent (tr-0.5%), sphal(locally 1%).</p>
		<p><b>188.00m to 194.00m:</b> dark grey/black semi-pervasive/veined magnetite(m, 30%+), bearing dark chocolate brown fine grained disseminated and patchy sulphide (sphalerite +/- Pentlandite?) mostly 0.5 to 1%, but locally 5% - 10% over 10 - 20cm intervals. Disseminated silvery sulphide (As-Ni?) trace to 1% locally over 10cm+. Pinkish/rosy sulphide (Ni?) mostly trace.</p>
		<p><b>189.75m to 192.65m:</b> Dark grey and cream mottled ultramafic, sil(m/s), mag(w/m), sphal (~1%, dss), pyrrh/pent (tr-0.5% locally), Aspy/gal(locally 0.5%)?, cpy(tr). Ends in/grades to brown and cream sil(s), dss mag(w) over the basal 30cm.</p>
		<p><b>192.65m to 194.10m:</b> clasts/intervals; 30cm recovered.</p>
<b>194.00</b>	<b>227.50</b>	<p><b>Mixed breccia - flow sequence</b> often banded Um clasts) and altered Cambrian mafic volcanoclastic sediments. A sequence of repeated breccia flow units partly comprising ultramafic flows. Thin bedded siltstone is evident locally at breccia flow tops (eg. @??m). Upper most breccia is basal to overlying mineralised ultramafic flow. Interclast and zones of fg dark green pervasive serpentinite(m/s). May be features consistent with burrowing ultramafic intrusives? Or feeder proximal serpentinite pervasive veining, or hyaloclastite breccia proximal to ultramafic flows. Disseminated pyrrhotite? locally to 1%. Silica-serpentinite(m?). Pervasive serp(s) &amp; serp veined(w/m?). Sulphides? Thermal meta at top unit/base ultramafic? Notably magnetite is sparse beneath the ultramafic, possibly suggesting that it's primary magnetite related to the ultramafic, rather than granite related. At odds is the granite related? Zn-magnetite association. Some times zoning to ill defined clast boundaries. Some talus/debris breccia and pepperite breccia.</p>

from	to	description
		<p><b>194.00m to 203.00m:</b> Breccia unit with sub rounded sediment? clasts at its top changing to angular locally jigsaw fit toward the base. (basal breccia/conglomerate; low scour?) Rift environment with debris breccia flows and ultramafic flows proximal to a fault scarp? Sub rounded clasts located near the top. Whilst further down-hole intervals of polymict fine breccia, bearing angular clasts to 4cm, lies between larger monomict zones bearing jigsaw fit breccia texture. The finer matrix (clast-infill) breccias become less common down hole, suggesting this unit represents a proximal to source semi-coherent debris flow with finer less coherent, more mixed and sorted flow top breccia and intraflow-clast breccia. Clasts within these blocks are commonly bleached and silicified appearing suggestive of thermal metamorphism basal to ultramafic flow. Flow base fine breccia zone is Fe oxidised with matrix pervasive carbonate breccia infill being strong over an included 15cm interval.</p>
		<p><b>192.70m to 201m?:</b> greywacke/mafic volcanoclastic clasts. Also bn fg hornfels and large(&gt;30cm) eg Ultramafic clasts. Down-hole lithology becomes fg dgn angular mafic clast dominated, with local jig saw fit breccia(from 196.6m). Some clasts are possibly flow foliated, perhaps transitional from debris flow to</p>
		<p><b>200.50m to 201.00m:</b> Carbonate matrix fill breccia/veining forms the basal 10cm.</p>
		<p><b>201.00m to 207.45m:</b> feldspathic cg mafic, lesser fg dgn mafic and local relict banded mafic clasts within a fg serpentinitised(m) mafic groundmass. Some fg mafic clasts apparently zone to cg feldspathic texture with increasing alteration intensity.</p>
		<p><b>202.30m to 207.45m:</b> Altered mg mafic volcanoclastic sandstone. Displays fracture pattern and local contorted beds, consistent with soft sediment deformation. Forms complete jigsaw fit breccia-like texture with thermally metamorphosed? rims.</p>
		<p><b>207.45m to 207.60m:</b> serpentinite vein infill.</p>
		<p><b>207.60m to 215.55m:</b> As for 201 to 207.45m. Minor bn relict greywacke at 214.1m.</p>
		<p><b>215.55m to 221.70m:</b> Banded/flow foliated with minor breccia. Grades to fine breccia clasts to &lt;5cm bearing fg mafic clasts in a lht gn sil-serp like semi-pervasive vein-like infill(m). Possible lava flow base altn? Sil-serp(m) overprint on hyaloclastite-like breccia. Colloform banded carbonate veining to 1cm thickness with drusy quartz infill @ 219.4 to 219.5m.</p>
		<p><b>216.00m to 224.60m:</b> Breccia textured</p>
		<p><b>221.70m to 227.50m:</b> Similar to above, but crm and msv bn relict hornfels sediment clasts common. Sil-serp(m). Sphal(tr-3% locally), py(tr). Irregular lht gn sil-serp semi-pervasive vnd(m) overprints strongly serpentinitised groundmass/matrix alteration, pervades fractures in silicified sediments clasts. Ultramafic breccia - flow top? includes crm calc-sil with dss cg diffuse magnetite zone.</p>

from	to	description
		<i>224.75m to 225.05m:</i> Fe Oxidised zone over sil-serp(m), carb vnd(w/m)
		<i>226.00m to 226.35m:</i> Dss cg bn sphal(3%), py(tr).
		<i>226.95m to 227.10m:</i> Dss cg silver galena(0.5%).
227.50	233.00	<b>Flow top?</b> With thermal meta overprint, diffuse boundary to pgn sil-serp(s) overprint, locally crm relict calc-sil bearing dss cg bk magnetite, silica veinlet overprint on calc-sil(w) local. Local relict mg/cg igneous and spinifex texture.
233.00	271.00	<b>Mixed altered mafic volcanoclastic sediments</b> , some msv zones, sed clast breccia,  <i>233.0m to 239.55m:</i> Dgn, crm & dbn breccia with relict bn hornfels common and crm sil clasts in a dgn pervasively serpentinitised(m/s) homogeneous mafic groundmass (Possible pepperite?). @233.9m is a q-vnd bn hornfels clast with q-veining cut off abruptly at the clast margin, suggesting the clast was veined pre-breccia. carb vnd(w)  <i>239.55m to 240.0m:</i> Unconsolidated fault breccia bearing fg mafic/serpentinitised and abundant bright apple green silicate clasts.  <i>240.0m to 256.65m:</i> Mostly dgn fg matrix pervasive serp(m/s) with relict diffuse edged bn silicified hornfels and minor diffuse edged crm silica zones. Cg semi-perv serp vnd(w/m) blends with/to matrix pervasive serp alteration. Intensity is locally moderate forming hydrothermal breccia (eg. 249.5 - 252.5m). local zones of bright apple green silica (eg. 243.15 to 243.25m). carb veinlets(w/m).  <i>256.65m to 257.10m:</i> Dgn as above with bn sulphide - pyrrh/pent?(tr-0.5%)  <i>257.10m to 259.95m:</i> feld? as acicular laths(spinifex texture). Semi-perv serp-vnd overprint absent. Bn pyrrh?(tr) but locally 1% with crm calc-sil(w/m) over upper 30cm. Possible mafic volcanic flow.  <i>259.95m to 263.10m:</i> As for 240 to 256m. semi-perv serp vnd/zones(m) locally, pyrrh(0.5%, 262.3 - 262.6m).  <i>263.10m to 264.50m:</i> Highly broken core.  <i>264.50m to 271.00m:</i> Sparse bn and crm silicate zones. At top interval is 1m of minor semi-perv serp vnd(w). Broken core at 268.5m.
271.00	335.35	<b>Mafic volcanoclastic sedimentary rock with dgn matrix, pervasive serpentinitisation(m/s) with common bn and cream silicate clast zones.</b> Dss pent/pyrrh (tr) locally. Zones perv bright apple gn silicate(s) locally, but sparse overall. Crm silicate zones locally bear dss mag and pyrrh. Matrix of clasts is largely indiscernible. Includes a significant pyrrhotite mineralised zone from 315 to 321m. <b>This is the unit logged at Avebury as mafic agglomerate and is the unit in which the Viking decline commenced (M.V.McK).</b>

<b>from</b>	<b>to</b>	<b>description</b>
	<b>272.50m to 272.90m:</b>	Broken core zone / fault?
	<b>273.60m to 273.60m:</b>	Broken core zone / fault?
	<b>276.20m to 278.95m:</b>	Broken core zone / fault?; gn silicified and FeOx fragments common.
	<b>280.00m to 280.50m:</b>	Broken core zone / fault?
	<b>283.00m to 288.50m:</b>	Zoned sil clasts, lesser gn msv matrix, apple gn zones.
	<b>286.85m to 287.90m:</b>	Bright apple green silicate alteration zone; strong locally but weak overall.
	<b>294.15m to 294.15m:</b>	Bright apple green silicate alteration zone.
	<b>299.70m to 299.70m:</b>	Bright apple green silicate alteration zone.
	<b>300.60m to 300.60m:</b>	Bright apple green silicate alteration zone by 5cm.
	<b>301.25m to 301.25m:</b>	Bright apple green silicate alteration zone by 5cm.
	<b>315.45m to 321.10m:</b>	Sulphide mineralised zone.
	<b>315.45m to 315.75m:</b>	Py(0.5%) dss, bn pyrhh(tr-0.5%) dss & dss vnd/patches.
	<b>315.50m to 323.00m:</b>	Dss pyrhh incl 75cm 15-30%.
	<b>315.75m to 316.30m:</b>	Pyrhh(3%), cpy(tr) dss and patches.
	<b>316.30m to 318.35m:</b>	Pyrhh(tr-0.5%).
	<b>318.35m to 318.60m:</b>	Pyrhh(5%).
	<b>318.60m to 318.80m:</b>	Pyrhh(0.5%), py(20%).
	<b>318.80m to 319.10m:</b>	Pyrhh(2%), py(2%).
	<b>319.10m to 321.10m:</b>	bearing sed breccia clasts / domainal alteration.

from	to	description
335.35	337.60	<b>Hornfels</b> mostly grey/crm sediment with relict thin bedding locally and sparse semi-perv vnd serp(w). Carb vnd(vw). Hornfels grades out. Rock includes brown thin bdd? fg greywacke, mg/cg greywacke and minor hornfels fg/mg mafic volcanoclastic sandstone. BCA 50o at 337.6m and 335.8m. dss mag(tr - 0.5%) locally. relict thin bdd and otherwise massive hornfels / silicified(m)? greywacke fg to cg, bearing common crm rounded to sub-rounded lithics of crm siltstone. Differs from the interval above in that above bears bn relict mafic volcanoclastic sandstone.
337.60	380.50	<b>Brown mafic volcanoclastic</b> fg/mg mostly massive thick bedded with minor thin bedded zones and thin interbeds (<1.5m) of grey/crm slst lithic-bearing greywacke, similar to the interval above. Sparse intervals bearing thin black mudstone/shale interbeds. Py? dss(tr-locally 0.5+%). Core is moderately (<20cm length) to locally highly broken with minor sil-serp-FeOx filled fault zones. carb vnd(tr), serp vnd(vw). Overall mag sus ~0. BCA 90° @ 340.25m provides up-hole facing beds grading to black mudstone. @342.3m mg/cg beds locally bear elongate tapered black shale lithics to 1cm max. BCAs 20° @ 347.25 (suspect up-hole facing) & 350.4m, 35° @ 374.05 & 25° @ 374.7m. Minor soft sediment deformation microfaults at 350.4m. 0.5cm band of near massive pyrrh @ 374.05m. Minor intervals of very fine grained pyrrh - silica alteration.
<b>344.35m to 344.65m:</b> Broken core. Fault zone bearing fragments of cream to apple green silicification(s) - py?(tr - 0.5%), Fe oxidised frags (w/m). Note:- significant cave in zones down-hole at start core runs (1m @ 356.5 & 0.5m @ 371.5m) bear similar material with sparse country rock and are probably derived from this interval.		
<b>344.90m to 344.95m:</b> Broken core. Fault zone bearing fragments of cream to apple green silicification(s) - py?(tr - 0.5%), Fe oxidised frags (w/m).		
<b>352.20m to 352.30m :</b> Core loss; highly broken core.		
<b>357.30m to 358.00m:</b> Fracture following and semi-pervasive serp veining (w/m); locally py(tr - 0.5%) in veins.		
<b>374.03m to 378.10m:</b> grading to moderate intensity with relict mg volcanoclastic texture locally. Silicification ends abruptly at the basal contact. Abundant sulphide mineralisation is evident as fine(<0.5mm, 1mm spaced) discontinuous and anastomosing sub-parallel veinlets/bands of very fine grained dull dark grey to olive pyrrh(mag w). Pyrrh reaches semi-massive(~20%). Sulphide bands are at 90o to BCA of 30o at 377.6m. Sil-mag-py & sil-serp-mag-py vnd(tr). Numerous veinlets serp with py painted on joints(w/m).		
<b>378.10m to 380.50m:</b> vnd(vw). Disseminated fg sulphide (tr - 0.5%). Sharp contact with unit down-hole.		
380.50	394.10	<b>Grey pervasive silicification(</b> wacke texture? With flecks relict bk shale lithics locally. Flecks of crm sphene? occur locally. Similar to unit up-hole. Cream coloured silicified / cherty round clast-like zones of mostly <0.5cm, but to 5 and 10cm near the interval base. Domainal silica alteration periferal to serp alteration. This alteration gradation also occurs up-hole at the base of the serp zone. Clast like zones may be brown where preserved in serp zones. Notable this alteration gradation is evident on a small scale about individual serp veins. Up-hole bn clasts / zones of mafic volcanoclastic lie within serp-sil domainal alteration.

<b>from</b>	<b>to</b>	<b>description</b>
		<i>392.40m to 393.05m:</i> Interval of pervasive serp(m/s) with relict domainal silica "clasts". Minor apple gn sil-serp with sphal(tr) at interval base.

**END OF HOLE AT 394.1m**

<b>bhid</b>		<b>from m</b>	<b>to m</b>	<b>core recovery %</b>	<b>Ni ppm</b>	<b>Co ppm</b>	<b>Cu ppm</b>	<b>Pb ppm</b>	<b>Zn ppm</b>	<b>As ppm</b>	<b>S ppm</b>	<b>Cr ppm</b>	<b>Fe ppm</b>	<b>Au ppm</b>
B7	weathered fault zone?	37.4	38.3	90	110	36	160	36	145	70	1750		71500	<0.01
B7	<b>calc-silicte host rock</b>	122.5	124.7	41	1750	40	70	<125	1200	<25	285			
B7	<b>calc-silicte host rock</b>	124.7	127.7	13	2520	62	60	<125	1540	<25	290			
B7	<b>calc-silicte host rock</b>	127.7	131.4	13	1940	56	48	<125	875	<25	220			
B7	<b>calc-silicte host rock</b>	131.4	134.5	33	4900	120	<15	<125	870	32	115			
B7	<b>calc-silicte host rock</b>	134.5	135.5	73	6290	165	<15	<125	1060	48	140			
B7	<b>calc-silicte host rock</b>	135.5	136.5	73	6530	165	<15	<125	2150	84	180			
B7	<b>calc-silicte host rock</b>	136.5	137.5	73	8940	170	<15	<125	3270	145	135			
B7	<b>calc-silicte host rock</b>	137.5	139.9	75	7610	68	<15	<125	3130	<25	230			
B7	<b>calc-silicte host rock</b>	139.9	140.9	74	1460	26	<15	<125	745	<25	150			
B7	<b>calc-silicte host rock</b>	140.9	141.9	74	5040	44	<15	<125	2590	<25	140			
B7	<b>calc-silicte host rock</b>	141.9	143.0	74	515	32	<15	<125	275	<25	150			
B7	<b>calc-silicte host rock</b>	143.0	148.3	9	6260	60	<15	<125	3090	<25	240			
B7	<b>calc-silicte host rock</b>	148.3	155.4	10	13200	125	52	180	4720	140	200			
B7	<b>partly altered ultramafic</b>	155.4	156.0	87	4770	81	<25	62	2690	25	<250		52500	<0.01
B7	<b>partly altered ultramafic</b>	156.0	157.0	87	1030	38	140	28	490	25	125		41500	<0.01
B7	<b>partly altered ultramafic</b>	157.0	158.0	87	1090	44	80	<25	250	25	125		34500	<0.01
B7	<b>partly altered ultramafic</b>	158.0	159.0	90	940	36	<25	<25	275	25	125		41000	<0.01
B7	<b>partly altered ultramafic</b>	159.0	160.0	93	610	28	<25	<25	420	25	125		33500	<0.01
B7	<b>partly altered ultramafic</b>	160.0	161.0	90	615	26	<25	<25	155	25	125		32000	<0.01
B7	<b>partly altered ultramafic</b>	161.0	162.0	96	1400	41	165	38	510	105	125		36000	<0.01
B7	<b>partly altered ultramafic</b>	162.0	163.0	100	1210	61	<25	<25	680	25	250		36000	<0.01
B7	<b>partly altered ultramafic</b>	163.0	164.0	100	2050	88	<25	70	750	25	900		41500	<0.01
B7	<b>partly altered ultramafic</b>	164.0	165.0	100	1470	65	<25	30	540	25	550		32000	<0.01
B7	<b>partly altered ultramafic</b>	165.0	166.0	100	1520	68	<25	<25	500	25	600		40500	<0.01
B7	<b>partly altered ultramafic</b>	166.0	167.0	100	1430	65	36	<25	1070	25	700		41500	<0.01
B7	<b>partly altered ultramafic</b>	167.0	168.0	100	1340	67	<25	<25	1160	25	650		47500	<0.01
B7	<b>partly altered ultramafic</b>	168.0	169.0	100	2360	110	82	26	1240	25	1300		53500	<0.01
B7	<b>partly altered ultramafic</b>	169.0	170.0	100	2850	120	<25	54	1040	25	1150		62500	<0.01
B7	<b>partly altered ultramafic</b>	170.0	171.0	100	2190	94	<25	28	205	25	125		38500	<0.01
B7	<b>partly altered ultramafic</b>	171.0	172.0	100	2630	105	<25	<25	195	25	1100		43000	<0.01

bhid		from m	to m	core recovery %	Ni ppm	Co ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S ppm	Cr ppm	Fe ppm	Au ppm
B7	partly altered ultramafic	172.0	173.0	100	3240	110	<25	<25	295	25	1300		38500	<0.01
B7	partly altered ultramafic	173.0	174.0	100	2750	97	<25	<25	260	25	1100		34500	<0.01
B7	partly altered ultramafic	174.0	175.0	100	2690	100	<25	<25	385	25	1150		36500	<0.01
B7	partly altered ultramafic	175.0	176.0	100	3170	120	<25	<25	480	25	750		65500	<0.01
B7	partly altered ultramafic	176.0	177.0	100	5660	125	<25	34	1600	25	125		90000	<0.01
B7	partly altered ultramafic	177.0	178.0	100	3620	115	<25	<25	625	25	125		83000	<0.01
B7	partly altered ultramafic	178.0	179.0	100	1640	95	<25	<25	155	25	500		42500	<0.01
B7	partly altered ultramafic	179.0	180.0	100	2510	110	<25	<25	90	70	1050		39500	<0.01
B7	partly altered ultramafic	180.0	181.0	100	2090	105	<25	<25	230	50	700		45500	<0.01
B7	partly altered ultramafic	181.0	182.0	100	1850	99	<25	<25	215	100	350		49000	<0.01
B7	partly altered ultramafic	182.0	183.0	100	1470	69	<25	<25	205	25	125		41000	<0.01
B7	partly altered ultramafic	183.0	184.0	100	2550	145	50	<25	395	100	1100		48000	<0.01
B7	partly altered ultramafic	184.0	185.0	100	1410	70	<25	<25	370	25	500		42000	<0.01
B7	partly altered ultramafic	185.0	186.0	100	1620	88	<25	<25	355	25	1000		47000	<0.01
B7	partly altered ultramafic	186.0	187.0	100	1600	66	<25	<25	220	25	600		42500	<0.01
B7	partly altered ultramafic	187.0	188.0	100	1640	65	<25	<25	240	135	750		48500	<0.01
B7	partly altered ultramafic	188.0	189.0	100	2030	100	<25	<25	330	345	700		66500	<0.01
B7	partly altered ultramafic	189.0	190.0	100	1180	81	<25	<25	240	100	125		53500	<0.01
B7	partly altered ultramafic	190.0	191.0	100	2340	105	<25	<25	175	25	900		70000	<0.01
B7	partly altered ultramafic	191.0	192.0	100	3000	205	<25	56	385	25	2200		78000	<0.01
B7	partly altered ultramafic	192.0	192.6	54	2290	170	<25	54	385	25	1350		70500	<0.01
B7	mafic flows and volcanoclastics	225.0	226.0	97	215	45	<25	<25	125	<50	<250		63500	<0.01
B7	mafic flows and volcanoclastics	225.1	225.9	97	1020	84	<25	60	680	<50	<250		123000	<0.01
B7	mafic flows and volcanoclastics	225.9	226.9	97	320	71	32	240	420	<50	<250		146000	<0.01
B7	mafic flows and volcanoclastics	226.0	227.0	97	215	48	<25	<25	105	<50	450		66500	<0.01
B7	mafic flows and volcanoclastics	226.9	227.9	100	345	68	<25	980	380	<50	<250		109000	<0.01
B7	top of mafic flow	227.9	228.9	100	245	43	<25	195	375	<50	<250		56000	<0.01
B7	volcanoclastics	257.0	257.5	100	155	41	<25	<25	50	<50	500		61000	<0.01
B7	volcanoclastics	257.5	258.0	100	190	39	<25	28	90	<50	250		57500	<0.01
B7	volcanoclastics	258.0	259.0	100	180	44	<25	<25	160	<50	<250		64000	<0.01
B7	volcanoclastics	259.0	260.0	100	180	49	<25	<25	190	<50	<250		67500	<0.01

<b>bhid</b>		<b>from m</b>	<b>to m</b>	<b>core recovery %</b>	<b>Ni ppm</b>	<b>Co ppm</b>	<b>Cu ppm</b>	<b>Pb ppm</b>	<b>Zn ppm</b>	<b>As ppm</b>	<b>S ppm</b>	<b>Cr ppm</b>	<b>Fe ppm</b>	<b>Au ppm</b>
B7	volcaniclastics	260.0	261.0	100	335	55	<25	<25	150	<50	<250		77500	<0.01
B7	volcaniclastics	261.0	262.0	100	250	51	<25	<25	110	<50	<250		77500	<0.01
B7	volcaniclastics	262.0	263.0	100	155	50	<25	<25	84	<50	450		69500	<0.01
B7	volcaniclastics	263.0	264.0	100	305	51	<25	<25	220	<50	<250		79000	<0.01
B7	bright green silicate occurrence	286.0	287.0	100	210	23	<25	64	100	<50	<250		27000	<0.01
B7	bright green silicate occurrence	287.0	288.0	100	155	19	<25	<25	58	<50	<250		28500	<0.01
B7	bright green silicate occurrence	288.0	289.0	100	235	34	<25	<25	125	<50	<250		48000	<0.01
B7	volcaniclastics	313.1	314.1	100	165	46	34	<25	215	<50	<250	445	72500	
B7	volcaniclastics	314.1	315.1	100	215	43	<25	36	160	<50	<250	240	67500	
B7	volcaniclastics	315.1	316.1	100	195	61	26	40	125	<50	1050	250	79500	
B7	volcaniclastics	316.1	317.1	100	280	67	105	36	110	<50	5400	485	74500	
B7	volcaniclastics	317.1	318.1	100	305	47	<25	30	130	210	400	1040	74000	
B7	volcaniclastics	318.1	319.1	100	620	150	335	50	165	185	18100	670	96500	
B7	volcaniclastics	319.1	320.1	100	320	60	<25	<25	135	210	<250	1430	76000	
B7	volcaniclastics	320.1	321.1	100	270	49	<25	40	98	55	<250	665	69000	
B7	volcaniclastics	321.1	322.1	100	360	54	26	70	265	<50	850	675	76000	
B7	volcaniclastics	322.1	323.1	100	395	69	<25	30	240	<50	350	660	86000	
B7	volcaniclastics	323.1	324.1	91	285	59	<25	30	155	140	<250	590	80000	
B7	volcaniclastics	324.1	325.1	91	190	37	<25	44	155	<50	<250	685	53000	
B7	volcaniclastics	325.1	326.1	91	255	35	<25	32	205	<50	<250	690	52000	
B7	volcanicalstic	356.5	357.5	100	1970	58	110	180	1490	<50	<250		71500	<0.01
B7	volcanicalstic	373.1	374.1	100	195	35	<25	28	175	<50	600		61500	<0.01
B7	volcanicalstic	374.1	375.1	100	510	64	160	82	330	<50	8650		57500	<0.01
B7	volcanicalstic	375.1	376.1	100	875	84	220	76	435	<50	14200		49500	<0.01
B7	volcanicalstic	376.1	377.1	100	525	73	200	155	390	<50	19200		52500	<0.01
B7	volcanicalstic	377.1	378.1	100	780	76	135	100	435	<50	11500		35500	<0.01
B7	volcanicalstic	378.1	379.1	100	430	57	64	52	280	<50	2250		45000	<0.01

<b>bhid</b>	<b>from m</b>	<b>to m</b>	<b>recovery m</b>	<b>recovery %</b>
B7	0.0	4.0	2.6	65
B7	4.0	6.3	1.4	61
B7	6.3	9.3	2.6	87
B7	9.3	11.7	1.5	63
B7	11.7	13.0	0.8	62
B7	13.0	16.0	3.0	100
B7	16.0	19.0	3.0	100
B7	19.0	21.2	2.2	100
B7	21.2	24.1	2.9	100
B7	24.1	27.5	3.4	100
B7	27.5	31.0	3.3	94
B7	31.0	33.6	2.6	100
B7	33.6	40.6	6.3	90
B7	40.6	42.4	1.8	100
B7	42.4	43.7	0.8	62
B7	43.7	44.5	0.4	50
B7	44.5	45.9	0.6	43
B7	45.9	50.8	5.1	104
B7	50.8	53.1	2.3	100
B7	53.1	56.0	2.9	100
B7	56.0	58.1	2.1	100
B7	58.1	60.5	2.4	100
B7	60.5	62.8	2.3	100
B7	62.8	65.5	2.7	100
B7	65.5	68.2	2.7	100
B7	68.2	71.1	2.9	100
B7	71.1	74.1	3.0	100
B7	74.1	77.5	3.3	97
B7	77.5	80.5	2.7	90
B7	80.5	82.7	2.2	100
B7	82.7	85.6	2.6	90
B7	85.6	89.1	3.5	100
B7	89.1	91.7	2.6	100
B7	91.7	94.8	3.1	100
B7	94.8	97.8	3.0	100
B7	97.8	100.0	1.8	82
B7	100.0	101.0	0.2	20
B7	101.0	104.5	3.0	86
B7	104.5	106.8	2.0	87
B7	106.8	109.8	2.9	97
B7	109.8	113.0	1.4	44
B7	113.0	116.0	2.0	67
B7	116.0	119.5	1.8	51
B7	119.5	122.5	1.3	43
B7	122.5	124.7	0.9	41
B7	124.7	127.7	0.4	13
B7	127.7	131.5	0.5	13
B7	131.5	134.5	1.0	33
B7	134.5	137.5	2.2	73
B7	137.5	139.9	1.8	75
B7	139.9	143.0	2.3	74
B7	143.0	148.3	0.5	9

<b>bhid</b>	<b>from m</b>	<b>to m</b>	<b>recovery m</b>	<b>recovery %</b>
B7	148.3	155.5	0.7	10
B7	155.5	158.5	2.6	87
B7	158.5	161.5	2.8	93
B7	161.5	164.5	3.0	100
B7	164.5	167.5	3.0	100
B7	167.5	170.5	3.0	100
B7	170.5	173.5	3.0	100
B7	173.5	176.5	3.0	100
B7	176.5	179.5	3.0	100
B7	179.5	182.5	3.0	100
B7	182.5	185.5	3.0	100
B7	185.5	188.5	3.0	100
B7	188.5	191.5	3.0	100
B7	191.5	194.1	1.4	54
B7	194.1	196.2	2.1	100
B7	196.2	199.2	3.0	100
B7	199.2	201.5	2.3	100
B7	201.5	203.5	2.0	100
B7	203.5	205.1	1.6	100
B7	205.1	208.0	2.9	100
B7	208.0	209.9	1.9	100
B7	209.9	211.8	1.9	100
B7	211.8	215.0	3.2	100
B7	215.0	218.0	3.0	100
B7	218.0	221.0	3.0	100
B7	221.0	224.0	3.0	100
B7	224.0	227.1	3.0	97
B7	227.1	230.1	3.0	100
B7	230.1	233.2	3.1	100
B7	233.2	236.3	3.1	100
B7	236.3	239.4	3.1	100
B7	239.4	243.8	4.4	100
B7	243.8	246.8	3.0	100
B7	246.8	249.5	2.7	100
B7	249.5	255.4	5.9	100
B7	255.4	257.5	2.1	100
B7	257.5	260.1	2.6	100
B7	260.1	263.1	3.0	100
B7	263.1	266.3	3.1	97
B7	266.3	268.5	2.0	91
B7	268.5	270.8	2.3	100
B7	270.8	272.5	1.7	100
B7	272.5	273.6	1.1	100
B7	273.6	276.5	2.0	69
B7	276.5	278.5	0.3	15
B7	278.5	279.0	0.5	100
B7	279.0	280.0	1.0	100
B7	280.0	281.0	1.0	100
B7	281.0	284.3	3.3	100
B7	284.3	288.5	4.2	100
B7	288.5	291.5	3.0	100
B7	291.5	293.5	2.0	100

<b>bhid</b>	<b>from m</b>	<b>to m</b>	<b>recovery m</b>	<b>recovery %</b>
B7	293.5	296.5	3.0	100
B7	296.5	299.4	2.9	100
B7	299.4	302.5	3.1	100
B7	302.5	305.5	3.0	100
B7	305.5	308.5	3.0	100
B7	308.5	311.5	3.0	100
B7	311.5	314.5	3.0	100
B7	314.5	317.5	3.0	100
B7	317.5	320.5	3.0	100
B7	320.5	323.5	3.0	100
B7	323.5	326.9	3.1	91
B7	326.9	327.7	1.2	150
B7	327.7	329.5	1.8	100
B7	329.5	330.7	1.2	100
B7	330.7	333.7	3.0	100
B7	333.7	335.8	2.1	100
B7	335.8	338.5	2.7	100
B7	338.5	340.7	2.2	100
B7	340.7	343.3	2.6	100
B7	343.3	344.1	0.5	62
B7	344.1	346.0	1.9	100
B7	346.0	348.8	2.8	100
B7	348.8	349.7	0.7	78
B7	349.7	352.2	1.3	52
B7	352.2	353.4	0.9	75
B7	353.4	356.5	1.2	39
B7	356.5	359.5	3.0	100
B7	359.5	361.7	2.2	100
B7	361.7	365.5	1.0	26
B7	365.5	368.1	2.6	100
B7	368.1	371.5	0.5	15
B7	371.5	374.3	2.8	100
B7	374.3	377.0	2.7	100
B7	377.0	380.1	3.1	100
B7	380.1	382.1	2.0	100
B7	382.1	383.0	0.8	89
B7	383.0	386.5	3.5	100
B7	386.5	389.3	2.8	100
B7	389.3	392.4	3.1	100
B7	392.4	393.0	0.6	100
B7	393.0	394.1	1.1	100

**END OF HOLE AT 394.1m**

## ***Appendix B***

### ***DDH B7 assays***

Project code : Drill Core  
Date received : 15/03/04  
Date reported : 24/03/04

14 Thirkell  
Tasmania 75  
Telephone:  
Facsimile: (

Lindsay Newnham  
Managing Geologist  
  
Allegiance Metals Pty Limited  
PO Box 62  
ZEEHAN  
  
TAS 7469

Number of pages of results : 2  
Number of Samples : 13  
First Sample : B7 122.5-124.7  
Last Sample : B7 148.3-155.35

Invoice to:  
Lindsay Newnham  
Managing Geologist  
  
Allegiance Metals Pty Limited  
PO Box 62  
ZEEHAN  
  
TAS 7469

Electronic Data Transmission :  
Modem Y 24/03/04  
Facsimile / /  
Disk Report Y / /

Results to:

Results to:

Remarks :

Authorised by .....  
On behalf of:

Ricky Gelston  
Laboratory Manager

The results in the following analytical report pertain to the samples provided to this laboratory for preparation and/or analysis as requested by the client.

Our reference : B0019/50  
 Your reference : 154912  
 Project code : Drill Core  
 Report date : 24/03/04  
 Report Number : 00000328  
 Report status : Final  
 Page : 1 of 2

SGS Bur  
 ABN 44 00  
 14 Thirkell  
 Tasmania 7  
 Telephone:  
 Facsimile: (

### ANALYTICAL DATA

Sample	Ni	Co	S	Cu	Pb
B7 122.5-124.7	1750	40	285	70	<125
B7 124.7-127.7	2520	62	290	60	<125
B7 127.7-131.4	1940	56	220	48	<125
B7 131.4-134.5	4900	120	115	<15	<125
B7 134.5-135.5	6290	165	140	<15	<125
B7 135.5-136.5	6530	165	180	<15	<125
B7 136.5-137.5	8940	170	135	<15	<125
B7 137.5-139.9	7610	68	230	<15	<125
B7 139.9-140.9	1460	26	150	<15	<125
B7 140.9-141.9	5040	44	140	<15	<125
B7 141.9-143.0	515	32	150	<15	<125
B7 143.0-148.3	6260	60	240	<15	<125
B7 148.3-155.35	1.32%	125	200	52	180
*SS B7 140.9-141.9	5310	46	185	<15	<125
*Rep B7 148.3-155.35	1.33%	130	210	52	180
*Blk BLANK	<25	<15	130	<15	<125
*Std SU 1A	1.18%	405	6.60%	9020	<125
*StdMHO	5630	230	1.33%	365	<125
Method	1105	1105	1105	1105	1105
Units	ppm	ppm	ppm	ppm	ppm
Detection Limit	25	15	20	15	125

Notes: N.A. = not analysed, -- = element not determined, I.S. = insufficient sample, L.N.R. = listed not received



Job reference : 154909  
Project code : Drill Core  
Date received : 12/02/04  
Date reported : 01/03/04

14 Thirkell  
Tasmania 7  
Telephone:  
Facsimile:

Lindsay Newham  
Managing Geologist  
Allegiance Metals Pty Limited  
PO Box 62  
ZEEHAN  
TAS 7469

Number of pages of results : 6  
Number of Samples : 63  
First Sample : B7 155.35-156  
Last Sample : B7 378.1-379.1

Invoice to:  
Lindsay Newham  
Managing Geologist  
Allegiance Mining NL  
C/Newham Exploration & Mining Service  
PO Box 183  
EXETER  
TAS 7275

Electronic Data Transmission :	
Modem	Y 01/03/04
Facsimile	/ /
Disk Report	Y / /

Results to:

Results to:

Remarks :

Authorised by .....  
On behalf of:

Ricky Gelston  
Laboratory Manager

The results in the following analytical report pertain to the samples provided to this laboratory for preparation and/or analysis as requested by the client.

Your reference : 154909  
 Project code : Drill Core  
 Report date : 01-03/04  
 Report Number : XXXX0301  
 Report status : Final  
 Page : of 6

SGS Bur  
 ABN 44 00  
 14 Thirkell  
 Tasmania 7  
 Telephone:  
 Facsimile:

### ANALYTICAL DATA

Sample	Au	Au(R)			
*Blk BLANK	<0.01	--			
B7 155-156	<0.01	--			
B7 156-157	<0.01	--			
B7 157-158	<0.01	--			
B7 158-159	<0.01	--			
B7 159-160	<0.01	--			
B7 160-161	<0.01	--			
B7 161-162	<0.01	--			
B7 162-163	<0.01	--			
B7 163-164	<0.01	--			
*SS B7 164-165	<0.01	<0.01			
B7 164-165	<0.01	--			
B7 165-166	<0.01	<0.01			
B7 166-167	<0.01	--			
B7 167-168	<0.01	--			
B7 168-169	<0.01	--			
B7 169-170	<0.01	--			
*Std QFA9	0.75	--			
B7 170-171	<0.01	--			
B7 171-172	<0.01	--			
B7 172-173	<0.01	--			
*Std ST18	<0.01	--			
B7 173-174	<0.01	--			
B7 174-175	<0.01	--			
*Rep B7 165-166	<0.01	--			
*Blk BLANK	<0.01	--			
B7 175-176	<0.01	--			
*Std QFA9	0.73	--			
B7 176-177	<0.01	--			
B7 177-178	<0.01	--			
*Std ST18	2.55	--			
B7 178-179	<0.01	--			
B7 179-180	<0.01	--			
B7 180-181	<0.01	--			
B7 181-182	<0.01	--			
B7 182-183	<0.01	--			
B7 183-184	<0.01	--			
B7 184-185	<0.01	--			
B7 185-186	<0.01	--			
B7 186-187	<0.01	--			
B7 187-188	<0.01	--			
B7 188-189	<0.01	--			
*SS B7 189-190	<0.01	<0.01			
B7 189-190	<0.01	--			
B7 190-191	<0.01	--			
B7 191-192	<0.01	<0.01			
B7 192-192.6	<0.01	--			
B7 225-226	<0.01	--			
B7 226-227	<0.01	--			
*Rep B7 191-192	<0.01	--			
Method Units	F650 ppm	F650 ppm			
Detection Limit	0.01	0.01			

Notes: N.A. -- not analysed, -- element not determined, I.S. = insufficient sample, L.N.R. = listed not received

Our reference : BLD19719  
 Your reference : 154909  
 Project code : Drill Core  
 Report date : 01/03/04  
 Report Number : 00000301  
 Report status : Final  
 Page : 2 of 6

SGS Bur  
 ABN 44 00  
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 Tasmania 7  
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### ANALYTICAL DATA

Sample	Au	Au(R)				
*Blk BLANK	<0.01	--				
B7 257-257.5	<0.01	--				
B7 257.5-258	<0.01	--				
B7 258-259	<0.01	--				
B7 259-260	<0.01	--				
B7 260-261	<0.01	--				
B7 261-262	<0.01	--				
B7 262-263	<0.01	--				
B7 263-264	<0.01	--				
B7 285-287	<0.01	--				
*Std QFA9	0.72	--				
B7 287-288	<0.01	--				
B7 288-289	<0.01	--				
*Std ST18	2.45	--				
B7 37.4-38.25	<0.01	--				
B7 225.1-225.9	<0.01	--				
B7 225.9-226.9	<0.01	--				
B7 226.9-227.9	<0.01	--				
B7 227.9-228.9	<0.01	--				
B7 356.5-357.5	<0.01	--				
B7 373.1-374.1	<0.01	--				
B7 374.1-375.1	<0.01	<0.01				
B7 375.1-376.1	<0.01	<0.01				
*SS B7 375.1-376.1	<0.01	--				
*Rep B7 374.1-375.1	<0.01	--				
*Blk BLANK	<0.01	--				
*Std QFA9	--	--				
B7 376.1-377.1	<0.01	<0.01				
B7 377.1-378.1	<0.01	--				
*Std ST18	--	--				
*Rep B7 378.1-379.1	<0.01	--				
B7 376.1-377.1	<0.01	--				
Method	F650	F650				
Units	ppm	ppm				
Detection Limit	0.01	0.01				

Notes: N.A. = not analysed. -- = element not determined, I.S. = insufficient sample, L.N.R. = listed not received

Your reference : 01009719  
 Your reference : 154909  
 Project code : Drill Core  
 Report date : 01/03/04  
 Report Number : 01004301  
 Report status : Final  
 Page : 3 of 6

SGS Bu  
 ABN 44 00  
 14 Thirkell  
 Tasmania 7  
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 Facsimile:

### ANALYTICAL DATA

Sample	Ni	Co	Cu	Pb	Zn
B7 153-156	4770	81	<25	62	2690
B7 156-157	1030	38	140	28	490
B7 157-158	1090	44	80	<25	250
B7 158-159	940	36	<25	<25	275
B7 159-160	610	28	<25	<25	420
B7 160-161	615	26	<25	<25	155
B7 161-162	1400	41	165	38	510
B7 162-163	1210	61	<25	<25	680
B7 163-164	2050	88	<25	70	750
B7 164-165	1470	65	<25	30	540
B7 165-166	1520	68	<25	<25	500
B7 166-167	1430	65	36	<25	1070
B7 167-168	1340	67	<25	<25	1160
B7 168-169	2360	110	82	26	1240
B7 169-170	2850	120	<25	54	1040
B7 170-171	2190	94	<25	28	205
B7 171-172	2630	105	<25	<25	195
B7 172-173	3240	110	<25	<25	295
B7 173-174	2750	97	<25	<25	260
B7 174-175	2690	100	<25	<25	385
B7 175-176	3170	120	<25	<25	480
B7 176-177	5660	125	<25	34	1600
B7 177-178	3620	115	<25	<25	625
B7 178-179	1640	95	<25	<25	155
B7 179-180	2510	110	<25	<25	90
B7 180-181	2090	105	<25	<25	230
B7 181-182	1850	99	<25	<25	215
B7 182-183	1470	69	<25	<25	205
B7 183-184	2550	145	50	<25	395
B7 184-185	1410	70	<25	<25	370
B7 185-186	1620	88	<25	<25	355
B7 186-187	1600	66	<25	<25	220
B7 187-188	1640	65	<25	<25	240
B7 188-189	2030	100	<25	<25	330
B7 189-190	1180	81	<25	<25	240
B7 190-191	2340	105	<25	<25	175
B7 191-192	3000	205	<25	56	385
B7 192-192.6	2290	170	<25	54	385
B7 225-226	215	45	<25	<25	125
B7 226-227	215	48	<25	<25	105
B7 257-257.5	155	41	<25	<25	50
B7 257.5-258	190	39	<25	28	90
B7 258-259	180	44	<25	<25	160
B7 259-260	180	49	<25	<25	190
B7 260-261	335	55	<25	<25	150
*Rep B7 167-168	1350	67	<25	<25	1170
*Rep B7 191-192	2980	205	<25	52	490
*Blk BLANK	125	<10	<25	<25	36
*Std SU 1A	1.20%	405	9510	72	210
*Std MHO	5660	230	375	<25	70
Method	1105	1105	1105	1105	1105
Units	ppm	ppm	ppm	ppm	ppm
Detection Limit	10	10	25	25	25

Notes: N.A. = not analysed, - = element not determined, I.S. = insufficient sample, L.N.R. = listed not received

Our reference : B019719  
 Your reference : 154909  
 Project code : Drill Core  
 Report date : 31/03/04  
 Report Number : 0091301  
 Report status : Final  
 Page : 6 of 6

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 ABN 44 00  
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 Tasmania 7  
 Telephone:  
 Facsimile:

### ANALYTICAL DATA

Sample	Ni	Co	Cu	Pb	Zn
B7 261-262	250	51	<25	<25	110
B7 262-263	155	50	<25	<25	84
B7 263-264	305	51	<25	<25	220
B7 286-287	210	23	<25	64	100
B7 287-288	155	19	<25	<25	58
B7 288-289	235	34	<25	<25	125
B7 37.4-38.25	110	36	160	36	145
B7 225.1-225.9	1020	84	<25	60	680
B7 225.9-226.9	320	71	32	240	420
B7 226.9-227.9	345	68	<25	980	380
B7 227.9-228.9	245	43	<25	195	375
B7 356.5-357.5	1970	58	110	180	1490
B7 373.1-373.1	195	35	<25	28	175
B7 374.1-375.1	510	64	160	82	330
B7 375.1-375.1	875	84	220	76	435
B7 376.1-377.1	525	73	200	155	390
B7 377.1-378.1	780	76	135	100	435
B7 378.1-379.1	430	57	64	52	280
*SS B7 164-165	1430	65	<25	<25	610
*SS B7 189-190	1170	87	<25	<25	200
*SS B7 375.1-376.1	835	80	210	72	400
*Rep B7 377.1-378.1	735	72	125	88	385
*Blk BLANK	<10	<10	<25	<25	28
*Std BM 44	1.28%	430	695	<25	120
*Std MISO	5520	225	355	<25	94
Method	I105	I105	I105	I105	I105
Units	ppm	ppm	ppm	ppm	ppm
Detection Limit	10	10	25	25	25

Notes: N.A. = not analysed, - = element not determined, I.S. = insufficient sample, L.N.R. = listed not received

Your reference : BL019/19  
 Project code : 154909  
 Report date : D11 Core  
 Report Number : 01/13/04  
 Report status : 0010301  
 Page : Fin  
 of 6

SGS Bur  
 ABN 44 00  
 14 Thirkell  
 Tasmania 7  
 Telephone:  
 Facsimile: 0

### ANALYTICAL DATA

Sample	S	Fe			
B7 155-156	<250	5.25%			
B7 156-157	<250	4.15%			
B7 157-158	<250	3.45%			
B7 158-159	<250	4.10%			
B7 159-160	<250	3.35%			
B7 160-161	<250	3.20%			
B7 161-162	<250	3.60%			
B7 162-163	250	3.60%			
B7 163-164	900	4.15%			
B7 164-165	550	3.20%			
B7 165-166	600	4.05%			
B7 166-167	700	4.15%			
B7 167-168	650	4.75%			
B7 168-169	1300	5.35%			
B7 169-170	1150	6.25%			
B7 170-171	<250	3.85%			
B7 171-172	1100	4.30%			
B7 172-173	1300	3.85%			
B7 173-174	1100	3.45%			
B7 174-175	1150	3.65%			
B7 175-176	750	6.55%			
B7 176-177	<250	9.00%			
B7 177-178	<250	8.30%			
B7 178-179	500	4.25%			
B7 179-180	1050	3.95%			
B7 180-181	700	4.55%			
B7 181-182	350	4.90%			
B7 182-183	<250	4.10%			
B7 183-184	1100	4.80%			
B7 184-185	500	4.20%			
B7 185-186	1000	4.70%			
B7 186-187	600	4.25%			
B7 187-188	750	4.85%			
B7 188-189	700	6.65%			
B7 189-190	<250	5.35%			
B7 190-191	900	7.00%			
B7 191-192	2200	7.80%			
B7 192-192.6	1350	7.05%			
B7 225-226	<250	6.35%			
B7 226-227	450	6.65%			
B7 257-257.5	500	6.10%			
B7 257.5-258	250	5.75%			
B7 258-259	<250	6.40%			
B7 259-260	<250	6.75%			
B7 260-261	<250	7.75%			
*Rep B7 167-168	600	4.70%			
*Rep B7 191-192	2150	7.60%			
*Blk BLANK	<250	840			
*Std SU 1A	7.40%	20.1%			
*StdMHO	1.33%	9.65%			
Method	I105	I105			
Units	ppm	ppm			
Detection Limit	250	100			

Notes: N.A. = not analysed, -- element not determined, I.S. = insufficient sample, L.N.R. = listed not received

Our reference : B0019719  
 Your reference : 154909  
 Project code : DM Core  
 Report date : 01/05/04  
 Report Number : 00000301  
 Report status : Final  
 Page : 6 of 6

SGS Bureau  
 ABN 44 008  
 14 Thirlkell  
 Tasmania 75  
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### ANALYTICAL DATA

Sample	S	Pb			
B7 261-262	<250	7.75%			
B7 262-263	450	6.95%			
B7 263-264	<250	7.90%			
B7 286-287	<250	2.70%			
B7 287-288	<250	2.85%			
B7 288-289	<250	4.80%			
B7 37.4-38.25	1750	7.15%			
B7 225.1-225.9	<250	12.3%			
B7 225.9-226.9	<250	14.6%			
B7 226.9-227.9	<250	10.9%			
B7 227.9-228.9	<250	5.60%			
B7 356.5-357.5	<250	7.15%			
B7 373.1-374.1	600	6.15%			
B7 374.1-375.1	8650	5.75%			
B7 375.1-376.1	1.42%	4.95%			
B7 376.1-377.1	1.92%	5.25%			
B7 377.1-378.1	1.15%	3.55%			
B7 378.1-379.1	2250	4.50%			
*SS B7 164-165	500	3.15%			
*SS B7 189-190	<250	5.00%			
*SS B7 375.1-376.1	1.37%	4.75%			
*Rep B7 377.1-378.1	1.04%	3.30%			
*Blk BLANK	<250	270			
*Std BM 14	2.10%	17.2%			
*StdMHO	1.29%	9.35%			
Method Units Detection Limit	1105 ppm 250	1105 ppm 100			

Notes: N.A. = not analysed, -- = element not determined, I.S. = insufficient sample, L.N.R. = listed not received

Form reference : 134908  
Project code : Drill Core  
Date received : 03/02/04  
Date reported : 18/02/04

14 Thirkell St  
Tasmania 73  
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Lindsay Newnham  
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Allgiance Mining NL  
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PO Box 183  
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Number of pages of results : 3  
Number of Samples : 13  
First Sample : B7 313.1-314.1  
Last Sample : B7 325.1-326.1

Electronic Data Transmission :		
Modem	Y	///
Facsimile		///
Disk Report	Y	///

Authorised by .....

On behalf of:

Ricky Gelston  
Laboratory Manager

The results in the following analytical report pertain to the samples provided to this laboratory for preparation and/or analysis as requested by the client.





