



ACN
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EPM 15238 - Manumbar
Annual & Final Report for the Period
14 December 2016 to 23 March 2017

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1.0 Summary

EPM 15238 is located within a belt of ultrabasic rocks centred on the Kandanga area east and south-east of Gympie. The area has been explored for gold, nickel and base metals in the past and several historic prospects occur in the area. The tenement is roughly 40km south-west of Gympie.

During the years 2008, 2009 & 2010 the main focus on this EPM was nickel within the tenement. An approximately 12km long magnetic and geochemical anomaly has been identified and extends from Mudjimba Creek (west of Imbil) north to South Amamoor Creek.

It is now recognised that the main gold bearing zone on this EPM stretches north-east from the Esk Trough through Court-le-Roi, Manumbar Gold Mine to Tewoo and is represented by a series of sericite altered rhyolite intrusions associated with gold mineralisation.

Renewed exploration around the Manumbar Gold Mine was impossible until recently when the Urban Restricted Area was changed to Resources Reserve by the DEEDI. This now allows easier access for exploration purposes.

Drilling was carried out in November 2012. Four RCP drill-holes were completed for a total of 314m. Drilling was scheduled in the area of epithermal veins and also to follow up an old intersection of 6m of 7.8 g/t Au, near the old north pit. MBR004 reported 14m @ 0.626 ppm Au from 52-66m, including 4m @ 1.28 ppm Au from 58-62m.

Further drilling was carried out 2016 with 2 RCP drill holes were completed with diamond tails for a total length of 300.2m. Best intercept was 27.9 ppm Au from MBR11 at 123.35m to 124.04m, a width of 0.69m.

A review of the tenement in March was carried out and it was decided to surrender the tenement in full effective 23rd March 2017.

2.0 Introduction

2.1 Resource Authority Information

EPM 15238 was granted to D'Aguilar Gold on the 14th of December 2007, encompassing ninety-four sub-blocks for a 5 year term. Forty-nine sub-blocks were relinquished in November 2009, and a further 22 in December 2010. Twelve sub-blocks were offered for relinquishment from December 2011, and 6 more in December 2012 leaving 5 sub-blocks for the eighth year of tenure.

A two year renewal was lodged about July 2014 and was approved. In September 2014, a submission was lodged to the Department by the company for an "exemption from reduction requirements", so the integrity of the project is maintained.

Another 2 year renewal was granted in October 2016.

The tenement also contains 2 current mining leases ML 50059 & ML 50099 which are owned by

This report describes the results of exploration carried out during the 9 years and 3 months of tenure ending 23rd March 2017 and is presented in fulfilment of the statutory conditions attached to the Permit.

The tenement abuts Wrattens National Park which used to be Wrattens State Forest. Much of tenement falls within Resources Reserves and other parts are still State Forest. Access from Gympie is through to Kilkivan, Goomeri then turn southeast into the Manumbar area. Grazing leases still exist for cattle in the area. The National Trail cuts through the area from north to south on Glencoe Road. Most of the area is rugged rocky country.

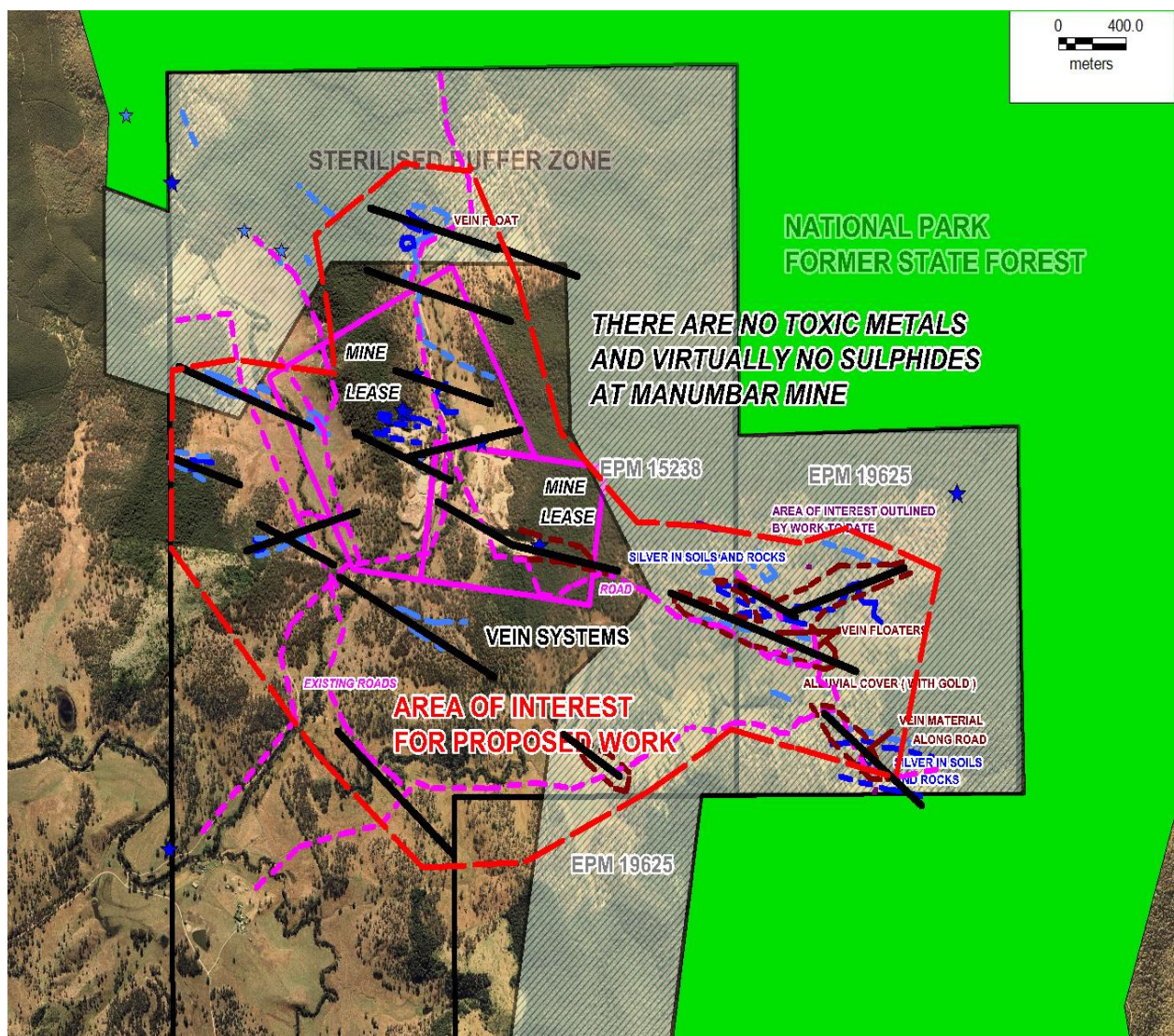


Figure 1 – EPM 15238 in relation to the National Park and Resources Reserve

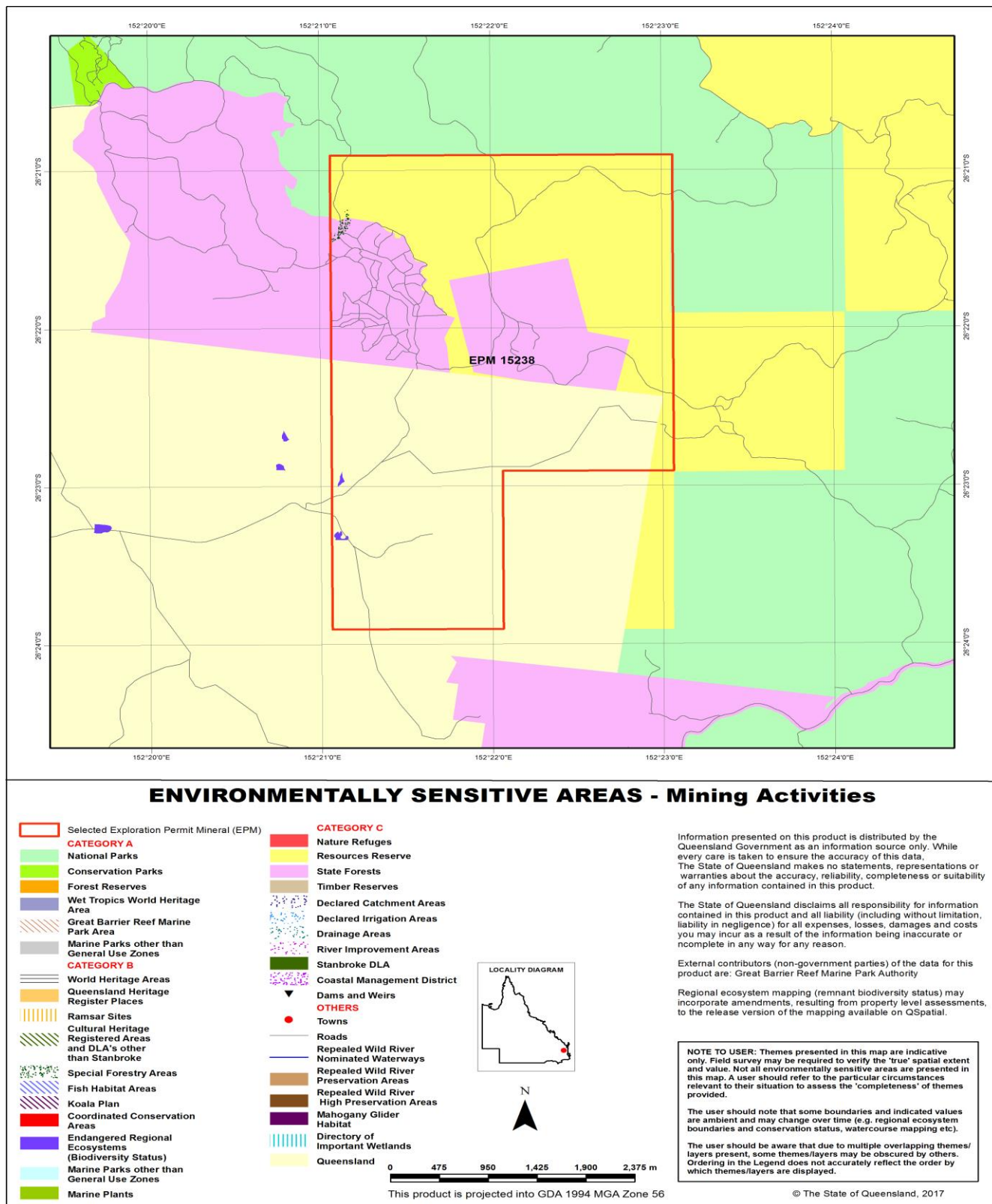


Figure 2 – Enviro Map for EPM 15238

2.3 Location map

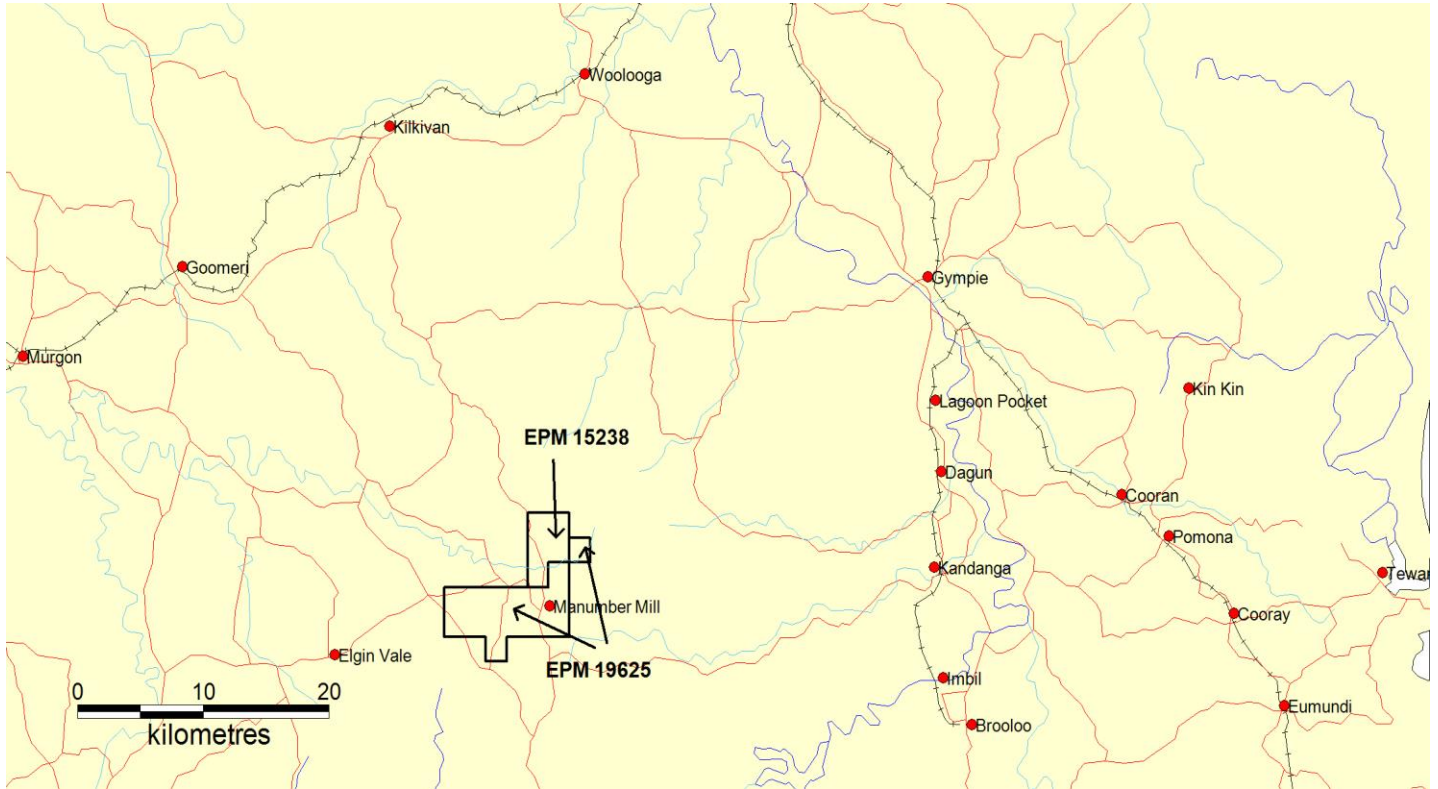


Figure 3 - Location Map EPM 15238

2.4 Regional Geology

Several belts of serpentinised ultrabasic intrusives are known in the Northern New England Fold Belt of Eastern Queensland. EPM 15238 lies within an ultrabasic belt that outcrops from just north of Kilkivan south to Kandanga and is part of a larger belt of ultrabasics that has been displaced by the Darling River Structure and continues north from Mundubbera to east of Monto.

The ultrabasics intrude Palaeozoic metasediments and metavolcanics. Parts of these intrusive ultrabasics have been identified as altered harzburgite peridotites. The ultrabasics are serpentinised to varying degrees.

Palaeozoic lithologies in this region have been intruded by Permian to Triassic granitoids and porphyries ranging in composition from gabbro to diorite and granodiorite to monzonite and quartz monzonite.

The Kilkivan-Kandanga ultrabasic belt is characterised by extensive alteration and mineralisation of the granitoids, porphyries, Palaeozoic lithologies and ultrabasics from Mt Mudlo south throughout the Black Snake area and south-east through Widgee, Tewoo and Kandanga. Numerous historical, gold, copper, silver, nickel and cobalt and base metal prospects occur within this belt.

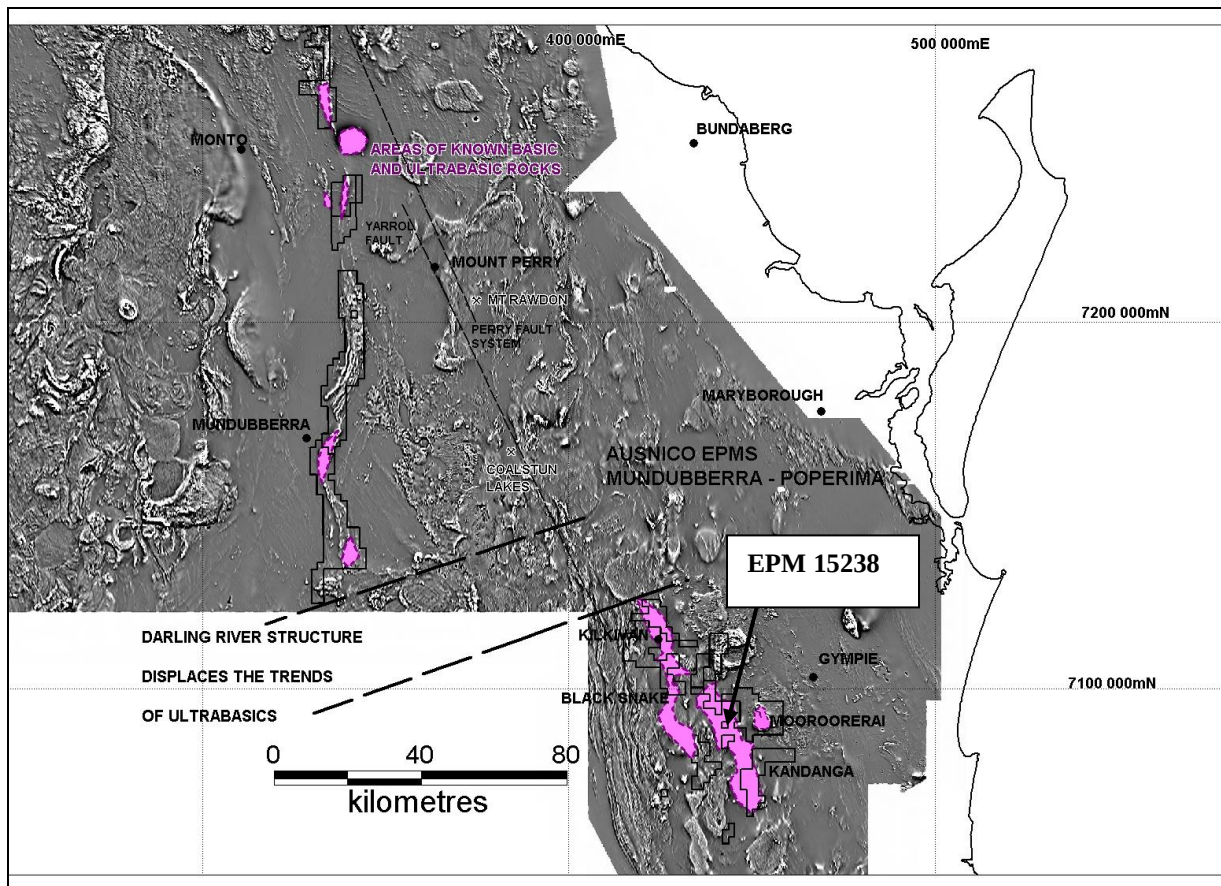


Figure 4. Location of EPM 15238 within ultrabasic belt, Southern Queensland on 1vd base

map.

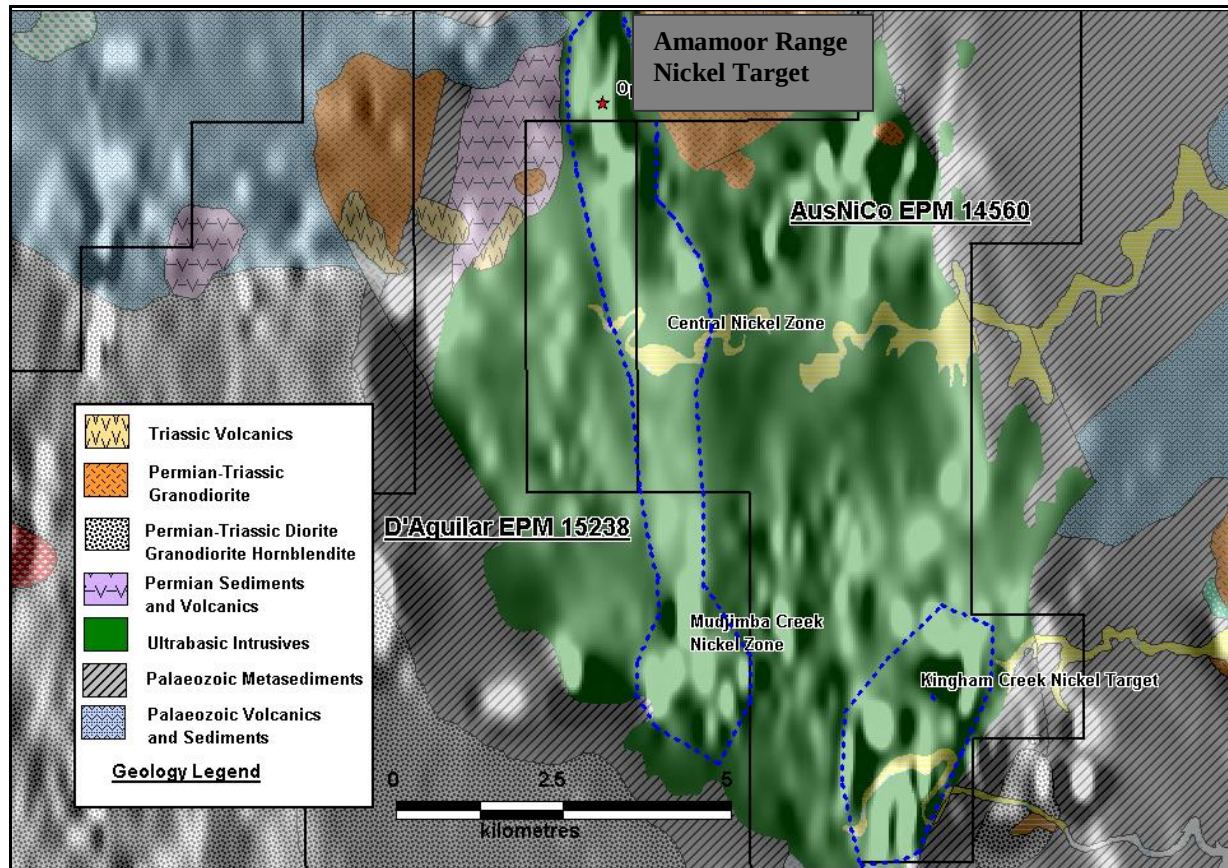


Figure 5. Location of Amamoor Range Ni target at northern end of the Kandanga Nickel Belt

3. TECHNICAL SUMMARY

3.1 Previous Work

The Manumbar gold lode was discovered in the late 1980's early 1990's by CRA. Their exploration permits (EPM's 5187 & 5188) were taken over by Cornwall Resources about 1994. The permits remained with the company (which eventually became D'Aguilar Gold Ltd) until 2007 when they were conditionally surrendered in favour of EPM 15238 in 2007.

The Kandanga area has been sporadically explored for Au, Cu and Ni. Several historic prospects

occur within the EPM area including Blue Bell Copper, Sandy Creek Nickel, Sandy Creek Gold, Borgham Gold and Tewoo Gold prospects. Unfortunately most of these prospective areas have been effectively sterilised by EPA restricted areas and their respective buffer zones.

CRA conducted exploration for nickel laterites during the late 1960's to early 1970's and located several areas to the north-west and south of the Amamoor Range Nickel target for further investigation. Shallow percussion drilling revealed a thin veneer of marginally enriched lateritic soils.

CSR explored the Kandanga-Tewoo area for epithermal gold during the early 1980's and identified several gold anomalies including Tewoo and the western part of the Amamoor Range area as well as an area west of Kingham Creek. No significant mineralisation was identified by CSR and the ground was relinquished.

During the late 1980's Valdora Minerals in a joint venture with CRAE conducted stream sediment, soil and rock chip sampling as well as shallow percussion drilling at Tewoo east of the Amamoor Range Nickel target in the search for bulk mineable gold. Patchy gold mineralisation was intersected at Tewoo but was not further pursued.

3.2 Local geology and mineralisation

It is now recognised that the main gold bearing zone on this EPM stretches north-east from the Esk Trough through Peenam, Court-le-Roi, and Manumbar Gold Mine to Tewoo and is represented by a series of sericite altered rhyolite intrusions associated with gold mineralisation.

Manumbar Gold Mine – Geology & Mineralisation Summary

Host Lithology: Triassic Neara Volcanics comprising shallowly dipping, propylitically altered porphyritic trachyandesite with local interbedded and overlying volcanoclastic sediments, tuffs and pyroclastics. The volcanics are intruded by rhyolite (and locally basaltic) dykes and dissected by high angle to listric east-west and north-south trending faults.

Gold mineralisation is associated with a meso-epithermal massive calcite vein and encompassing propylitic alteration halo consisting of variable sericite-quartz-pyrite-carbonate-chlorite and haematite assemblages. The one to three metre wide mineralised calcite vein pinches and swells both laterally and vertically, has a strike length of approximately 1,000 metres west to east, dips steeply to the south and consists of easterly plunging high grade ore shoots.

Vein composition and textures, together with consideration of the fluid dynamics of epithermal systems, indicate that the known vein is very high in such a system. It would fit the uppermost Carbonate Zone of the "Chalcedonic Superzone" of the standard epithermal models, well above the so-called Boiling Zone. The proportion of silica may be expected to increase with depth.

Within the vein, gold occurs both on the contacts of silica and calcite, and freely within massive calcite. Zones of high grade coincide roughly with wider parts of the vein, so that four or five poorly defined lodes can be identified. These lodes are 50-100m long, seem to plunge steeply to the west, and contain internal "holes" or grade/thickness structures which are gently dipping to the east and may be controlled by minor flexures of the vein. Some of the lodes bottom out with respect to

grade, although the vein continues to greater depth. The greatest vertical depth tested by drilling is 100m.

The deposit was located using conventional soil and rock sampling, costeaning and percussion/RC drill follow-up to anomalous Bulk Cyanide Leach (BCL) drainage samples collected in 1988. Open cut drill and blast mining commenced in 1994 with ore hauled approximately 27 kilometres for treatment at the Shamrock crush-mill-leach-CIP plant south of Kilkivan. Gold production from inception of mining to end August 1998 cumulated at 279,600 tonnes at a recovered grade of 5.37g/t Au

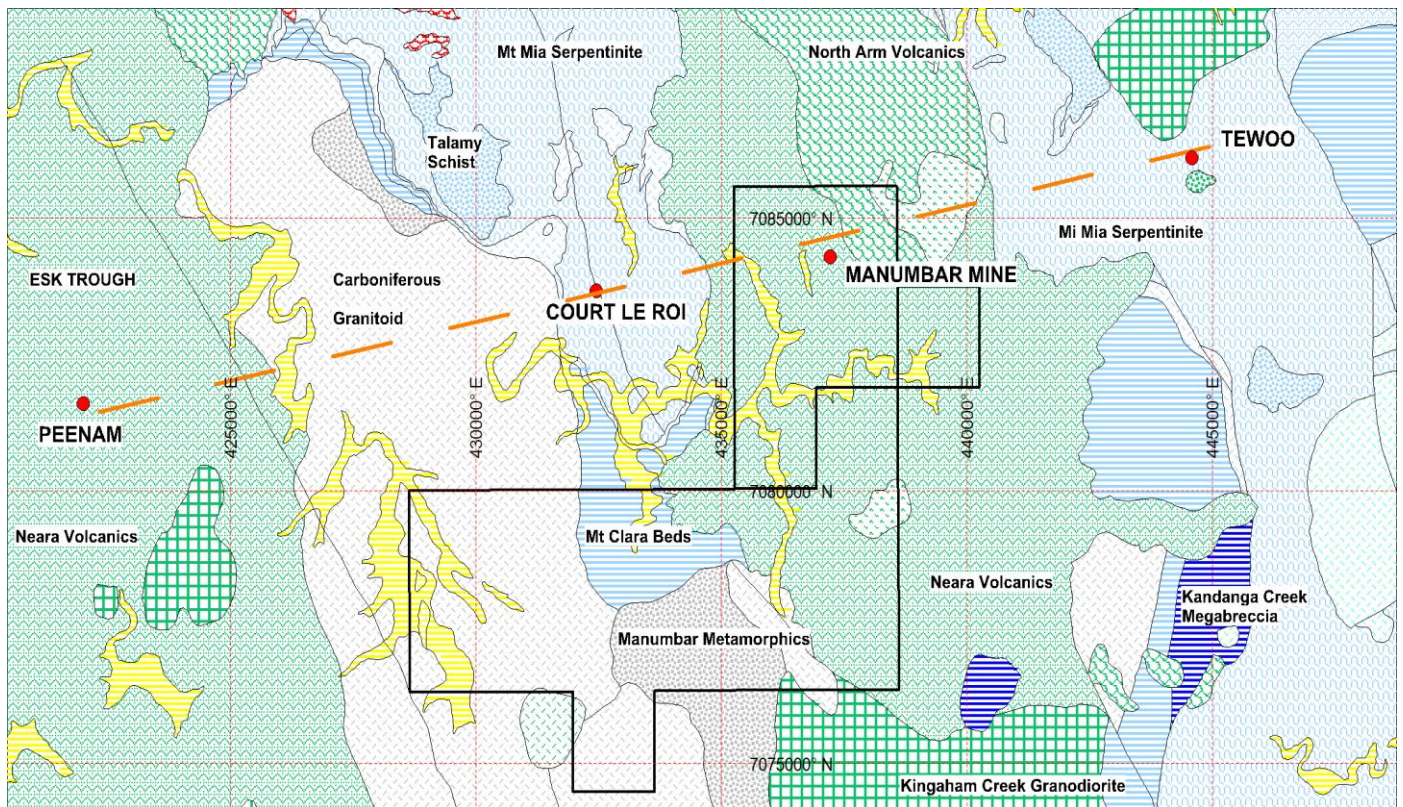


Figure 6 – Government Regional Geology of EPM 15238 (with added line of felsic intrusives)

3.3 Work in reporting period and discussion

During the years 2008, 2009 & 2010 the main focus on this EPM was nickel within the tenement. An approximately 12km long magnetic and geochemical anomaly has been identified and extends from Mudjimba Creek (west of Imbil) north to South Amamoor Creek.

During the first 2 years of tenure a surface sampling program was carried out. Thirty stream sediment samples, 155 soil samples and 34 rock-chips were sent for assay. Appendices 1, 2 & 3.

The soil geochemistry and a magnetic feature at the Amamoor Range target suggest the existence of a roughly north-south striking mineralised zone. Gold and copper anomalies combined with above background platinum and palladium values are associated with the nickel and cobalt anomalies in a similar manner to Pembroke.

Surface geology consists of a north-south trending zone of serpentinised ultrabasic that is variably altered. Calc/silicate skarn type alteration occurs along much of the strike of the geochemical anomaly. Altered pyroxenite skarns occur along the northern and western parts of the geochemical anomaly.

Rock chip assay results suggested a contribution from nearby intrusives with elevated As, Bi and Te in several samples. A 20m representative quartz vein float sample close to the ultrabasic-acid intrusive contact to the east returned elevated Bi and Pb along with slightly elevated Au, Ag and Te. Maximum Ni values (up to 2170ppm) came from carbonate altered, serpentinised ultrabasics.

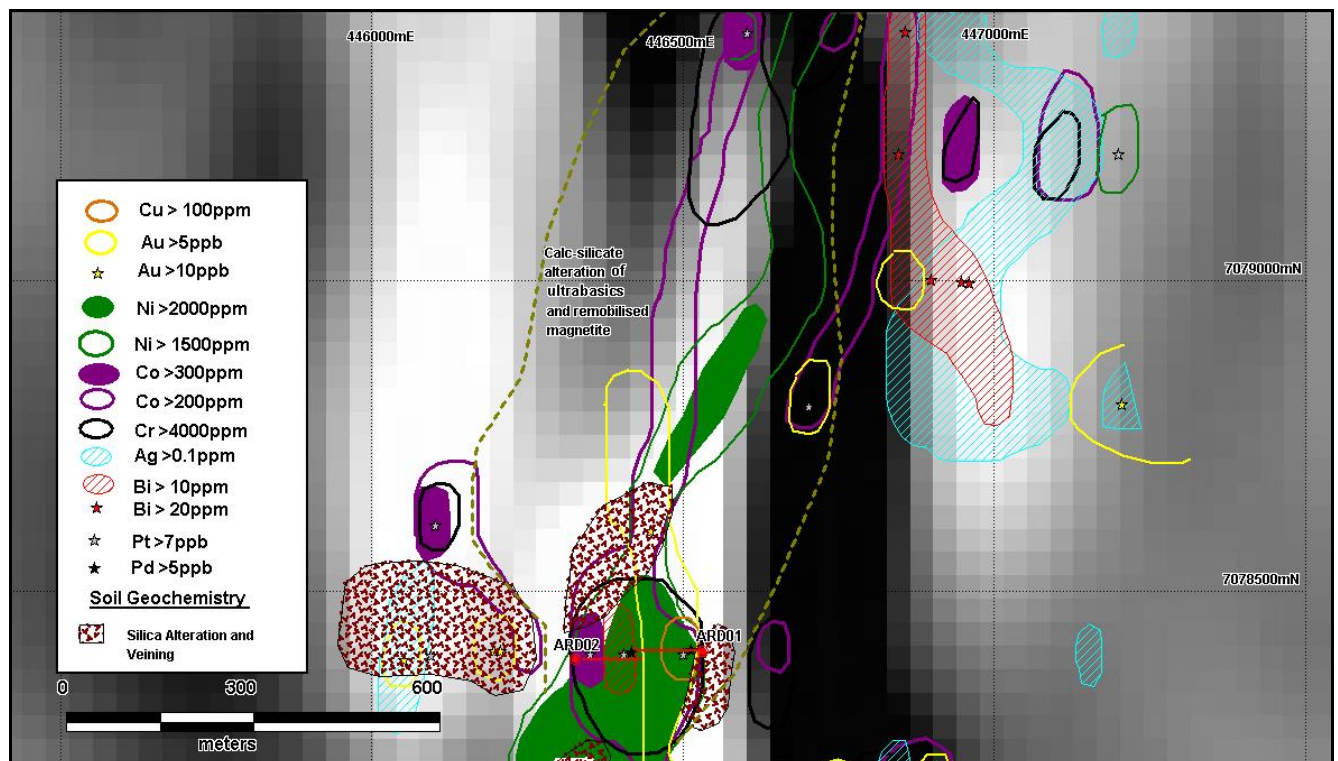


Figure 7. Soil geochemistry of the Amamoor Range nickel target.

A total of 441.2m of diamond drilling was completed at Amamoor Range as part of the Queensland Government Smart Mining Collaborative Drilling Project. Two holes were drilled to test a nickel soil anomaly within an area of serpentinised and hydrothermally altered ultrabasic rocks at Amamoor Range. The aim was to test for the presence of nickel sulphides at depth and to gather geological, structural and mineralogical data in an attempt to characterise the mineralisation style.

Fine disseminated and locally coarse sulphide and abundant fine and remobilized veinlet and blebby magnetite were observed in both holes. A 20m zone of disseminated to vein hosted sulphide was intersected at around 100m in both holes. Assay results were disappointing however with a maximum nickel value of 2350ppm.

Further work including selected whole rock geochemistry and petrographic identification and description of the sulphides is recommended in order to characterise the rock types involved and to provide a comparison with mineralised ultrabasic rocks in the area. It is also recommended that further geochemical and drill testing be conducted on extensions of the magnetic anomaly on a regional basis. This work, combined with further work on D'Aguilar's other nickel targets, will assist in providing a basis for distinguishing potential nickel targets from unmineralised ultrabasic rocks in this type of geological setting.

Evidence of mineralisation, hydrothermal activity and metasomatic alteration both within the intrusives and the ultrabasics is widespread along the Kandanga Belt with the occurrence of veining, silicification, brecciation, skarn-type mineral assemblages and alteration and sulphidation. Evidence of remobilised magnetite is seen at the surface in the form of magnetite veins and accumulations in serpentinised ultrabasics.

Magnetite remobilisation is closely associated with sulphide remobilisation at Avebury. The Amamoor Range Nickel target within the Kandanga Nickel Belt, consists of an approximately 200m wide geochemical anomaly extending N/NE for approximately 1.2km along strike length along an elongate N/S striking magnetic anomaly.

The soil geochemistry and a magnetic feature suggest the existence of a roughly north-south striking mineralised zone. Gold and copper anomalies combined with above background platinum and palladium values are associated with the nickel and cobalt anomalies in a similar manner to Pembroke.

Surface geology consists of a north-south trending zone of serpentinised ultrabasic that is variably altered. Calc/silicate skarn type alteration occurs along much of the strike of the geochemical anomaly. Altered pyroxenite skarns occur along the northern and western parts of the geochemical anomaly. Remobilisation of magnetite is evident at the surface. Fluid pathways are provided by faulting and fracturing.

Drilling Results and Interpretation

The holes were sited to intersect the geochemical and magnetic anomaly described above and details are listed in Table 1 below and shown in Figure 7.

Both drill holes were completed by the 21st of July 2009. Progress of the first hole was hampered

by wet weather and consequent access problems as well as difficulties with core recovery at shallow depth in both holes due to broken ground. ARD01 was drilled with HQ to 51m at which depth ground conditions improved sufficiently to reduce to NQ core. ARD02 was drilled with HQ to a depth of 41m then reduced to NQ. Poor recovery necessitated a return to HQ at 52.5m to 77.6m at which point the core became more cohesive and was reduced to NQ until EOH at 241.2m.

Table 1. Drillhole details.

Drill hole ID	Drill hole location (UTM-WGS84)		Azimuth (mag)	Elevation (m ASL)	Dip	Depth (m)
	Easting (mE)	Northing (mN)				
ARD 01	446517	7078442	255	516	60°	200
ARD 02	446305	7078408	075	509	60°	241.2

Downhole Lithology

Downhole lithology is summarised in Figure 7 and described in the geological logs attached in an appendix. The dominant lithology in both holes was variably serpentinised ultrabasic breccia containing breccia clasts of various sizes (ranging from mm to 15cm), and lithologies. Intermittent clay bands occurred within the first 30m within the oxidized zone. Clasts were mostly subrounded to rounded and occasionally angular and possibly mostly metasedimentary in origin and some of intrusive origin. Fine magnetite and streaks and veinlets of magnetite were concentrated in clasts, and serpentine minerals (antigorite, lizardite, and chrysotile) were found replacing original ultramafic minerals to form well developed net textures. Occasional relict pyroxenes were visible locally. Serpentine minerals (lizardite) were also found in veins with carbonates (Figure 8b). Downhole lithology and textures were relatively homogeneous apart from variations in clast size and shape, variations in the pervasiveness of serpentine net textures and variably sheared to foliated sections. Evidence of deformation (post brecciation) was seen in the form of sheared textures and stretched, aligned breccia clasts and abundant fractured sections. A narrow, fine-grained feldspar porphyritic dyke was intersected in ARD01 at 174.9m to 175.6m and also at 145.8m to 147.5m in ARD02. A coarse pyroxene gabbroic rock was intersected in ARD02 from 46m to 50m above a 10m section of fractured mylonitic rock. A coarse mottled pyroxenite rock was intersected from 204m to 212m and at 218m to 226m.

Fine disseminated and locally coarse sulphide and abundant fine and remobilized veinlet and blebby magnetite were observed in both holes and was not confined to one particular textural type. The characteristics of the magnetite suggested two generations of magnetite. A 20m zone of disseminated to vein associated sulphide was intersected at around 100m in both holes. The most abundant sulphide in ARD01 occurs at 90m to 120m and 115m to 128m in ARD02 and comprised fine disseminated sulphide and locally coarser vein associated sulphides (Figure 8c and 8d).

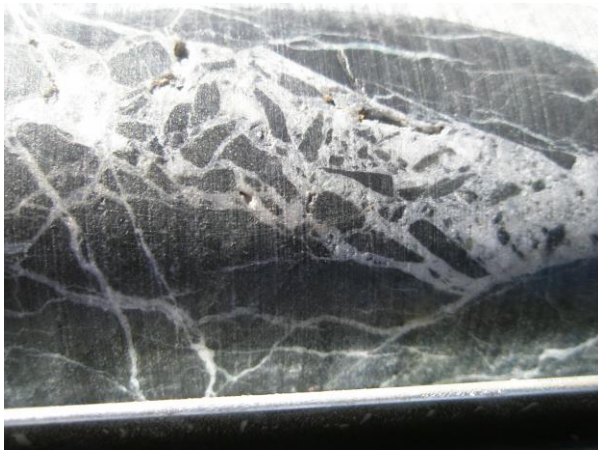


Figure 8a. Breccia vein with carbonate infill, ARD01 – 198m.



Figure 8b. Green serpentine vein with thin carbonate selvedge. Note associated sulphide grains.

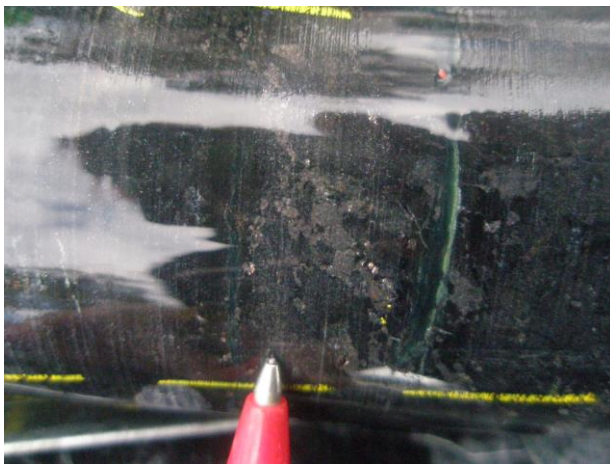


Figure 8c. Coarse sulphide associated with green serpentine veinlets.



Figure 8d. Brown carbonate veins with associated alteration selvages and sulphides.

The majority of sulphide comprises pyrite with occasional pentlandite, minor chalcopyrite and sphalerite and unidentified silver metallic sulphide on fracture surfaces at 124m in ARD02.

Veining occurred throughout both holes and consisted predominantly of thin (mm width) white carbonate veins and fractures and green picrolitic serpentine veinlets, also mm width, though occasional wider veins to 10cm width were noted. Breccia veins were also common with angular ultramafic clasts in carbonate and carbonate/quartz matrix (Figure 8a).

Vein relationships suggest both serpentine and carbonate veining is probably related to the serpentinisation with a later phase of quartz veining possibly replacing carbonate in some instances. Structural measurements were taken on NQ core which was oriented using the ballmark system. Orientation was generally resolvable downhole apart from several broken intervals or ambiguously marked core stubs. The dominant trend of vein directions in both holes was north-south striking and dipping steeply to the west, however several other vein directions were noted. Dominant vein directions are recorded in the drill logs.

Several sheared and fractured zones and small faults were also encountered in both holes evident as highly fractured zones with mylonitic textures and green coloured clay talc alteration. These zones were encountered in ARD01 at 20m, 77m, 105m, with intervals of intense fracturing between 127m and 136m and 164m to 180m; and in ARD02 at 15m, 23m, 41m, 55m, 61m, 111m, 118m, 191m and from 213m to 216m.

Geochemical Analyses

Drill core for both holes was sawn in half longitudinally and sampled at 2 metre intervals. Core samples were sent to ALS Laboratories in Brisbane, crushed and pulverised and digested in aqua regia, with analyses performed by ICP Spectrometry followed by multi-element analysis including Ag, As, Bi, Cu, Cr, Co, Mo, Ni, Pb, S, Sb, Te and Zn by ICP Mass Spectrometry. A further fusion process was used to separate Au, Pt and Pd which were measured by ICP Mass Spectrometry. Several intersections were also initially assayed for nickel and cobalt by ore grade methods, using a four acid digest followed by Atomic Absorption Mass Spectrometry. This method yielded slightly higher nickel results.

Maximum nickel assay were 2350ppm over 2m. The average nickel value over the depth of both holes was 1561ppm which is within the expected background range for a serpentinised ultrabasic. Despite the appearance of small amounts of pentlandite within the sulphide-rich sections, assay results did not reflect a predominance of nickel sulphide.

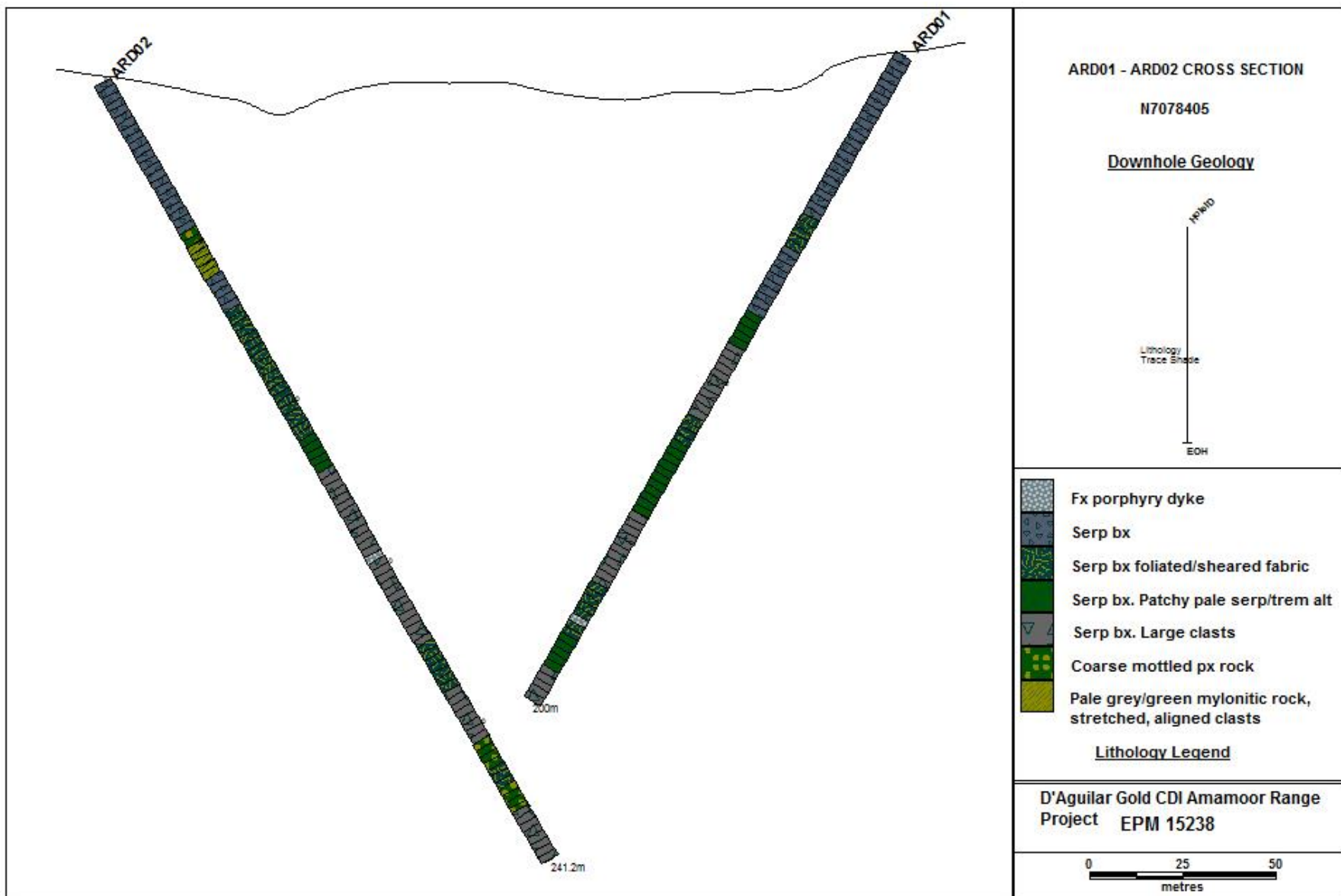


Figure 9. Downhole Lithology cross-section.

The maximum cobalt result was 249ppm over 2m with an average value of 82ppm over the entire depth of both holes. Maximum copper was 933ppm with an average value of 17ppm. The average sulphur value was 997ppm with a maximum of 1.13% over 2m or 1.01% over 4m. The maximum sulphur intersection in hole ARD02 occurs within part of the sulphide-rich intersection. Other elements in this intersection are not correspondingly elevated so the majority of sulphide in this section was probably pyrite. Figure 7 shows a cross section with a comparison of downhole nickel and sulphur values.

Scattergrams show a weak correlation between Ni and both Pt and Pd, a strong positive correlation between Pt and Pd and weak correlation between Au and Ni and a negative correlation between Cu and Ni (Figure 10). There is no clear correlation between Ni and S in the assay results, suggesting that pentlandite was not the dominant sulphide. In fact there is no strong clear correlation between Ni and any other element assayed for apart from weak correlation with Co. This is quite different to element correlations in known nickel mineralised serpentinites, where Ni strongly correlates with both S and Co, and Pt and Pd correlate with Ni. Correlations do exist however between Cu-Bi (Te), Au-As (S Sb). These associations suggest possible contribution of elements by granitoid intrusives.

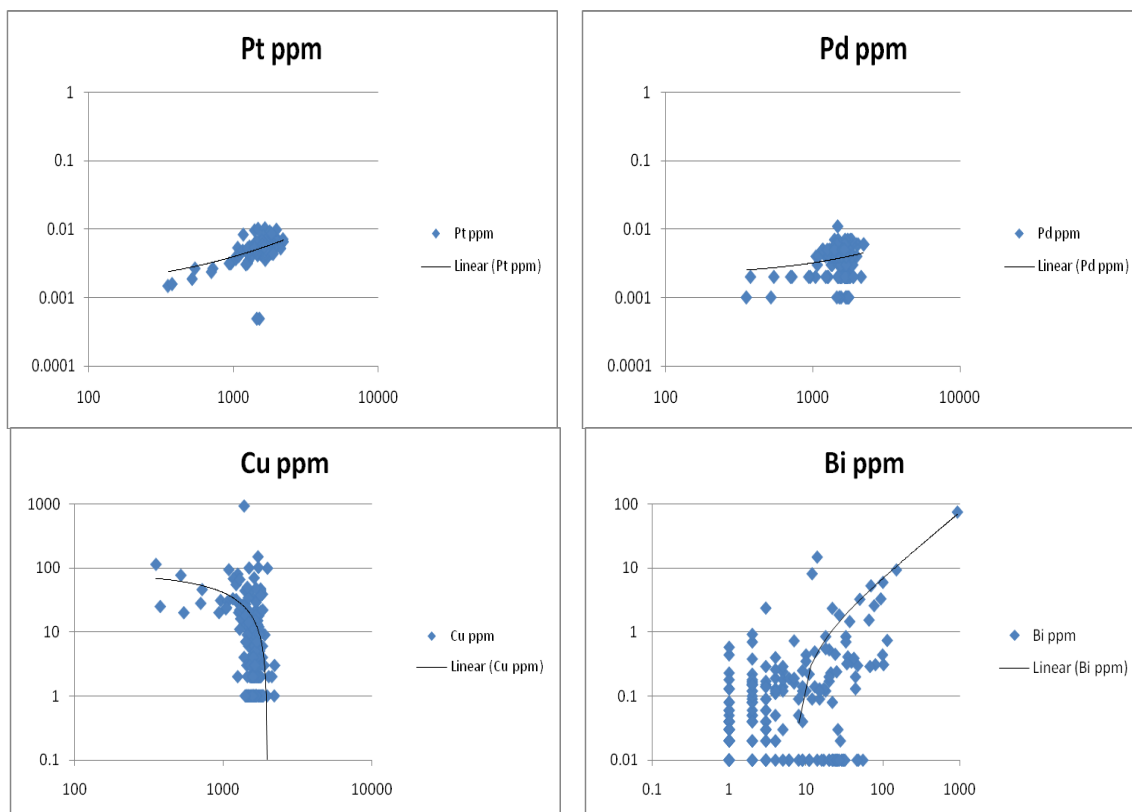


Figure 10. Scattergrams (from top left) for Pt, Pd and Cu over Ni and Bi over Cu. Weak correlations exist between Ni and both Pt and Pd; negative correlation between Cu and Ni and strong positive correlation between Bi and Cu. These trends are not consistent with known nickel mineralised serpentinites.

Magnetic Susceptibility

Magnetic susceptibility of the core was measured using a hand held GMS-2 magnetic susceptibility meter. The magnetometer was calibrated to take the core trays into account and results were recorded as ranges from 0 to 5 (see table 2). Magnetometer readings were however inconsistent over the same samples despite calibration to consistent measurement conditions and location. This was probably due to a problem with the magnetometer itself. Results are recorded in the drill logs in Appendix 2. Unfortunately the ambiguity of the magnetic readings precludes the use of magnetic data to compare with other ultramafic rocks and it is recommended that a new magnetometer be obtained and magnetic susceptibility be re-measured.

Table 2. Magnetic susceptibility readings

Numerical	Magnetic Susceptibility Range (CGS units $\times 10^{-6}$)
1	500 – 2000
2	2000 – 4000
3	4000 – 5500
4	5500 – 7000
5	7000 – 10000
>5	>10000

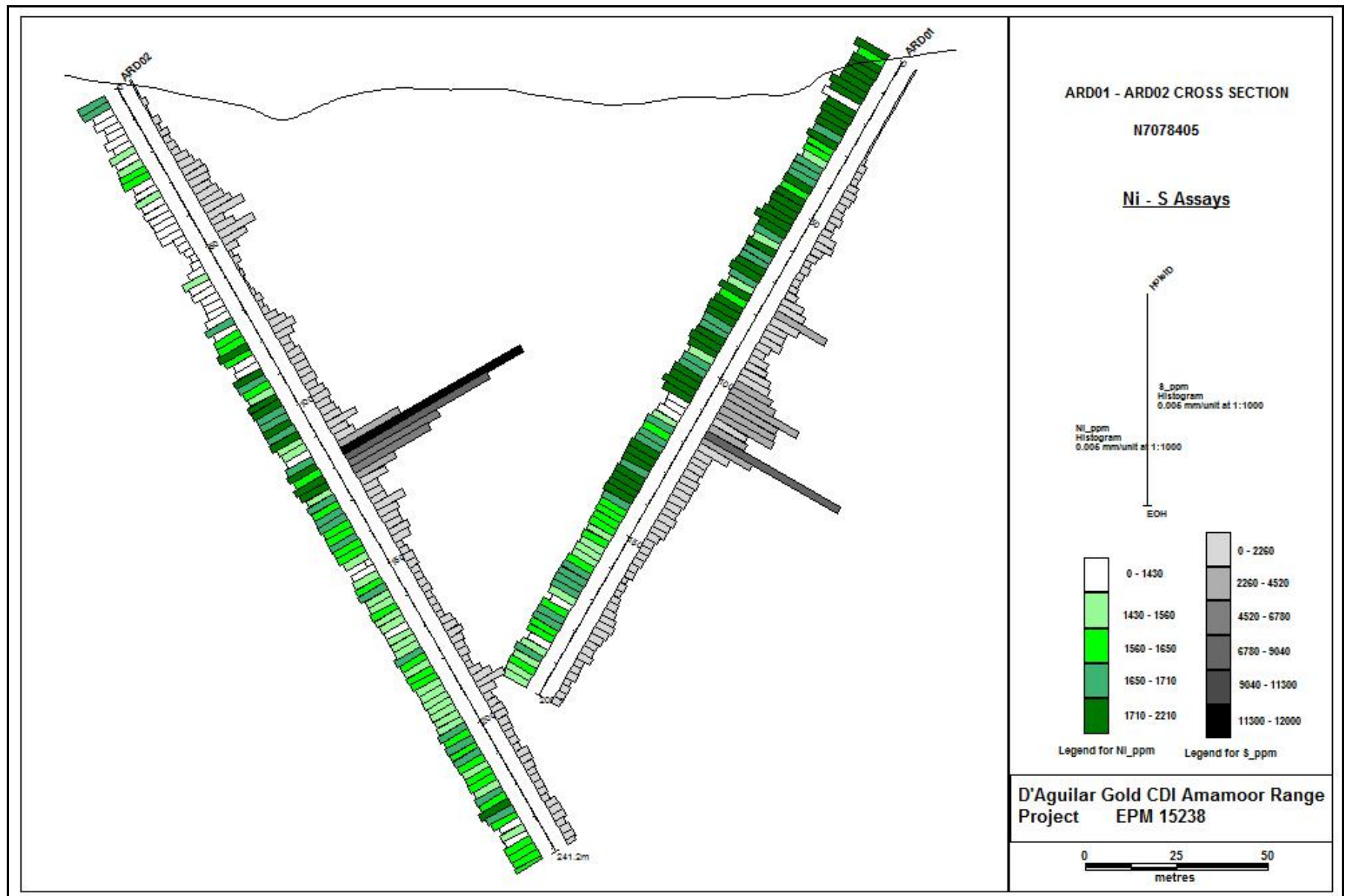


Figure 11. Cross-section showing comparison of downhole nickel and sulphur values.

During 2010, ground work focussed on rehabilitation of the drill pads, including planting 200 trees in the Amamoor Range.

During 2011, a review of the tenement took place, and with poor exploration results for nickel, and the falling world price of nickel, the company decided to re-focus on gold. World gold prices are still relatively high.

During 2012 - Drilling was carried out in November 2012. Four RCP drill-holes were completed for a total of 314m. Drilling was scheduled in the area of epithermal veins and also to follow up an old intersection of 6m of 7.8 g/t Au, near the old north pit.

MBR001 intercepted a rhyolite dyke at 20m to 56m. The mineralised epithermal vein was located on the northern contact between the dyke and the andesite and reported 12m @ 0.524 ppm Au from 58-60m. Alteration was well developed, consisting of clay, chlorite, bleaching, saladinite, minor hematite and vein development. Pyrite is rare.

MBR002 reported weak alteration and weak gold mineralisation on calcite/quartz stringer veins.

MBR003 reported no significant intercepts.

MBR004 reported 14m @ 0.626 ppm Au from 52-66m, including 4m @ 1.28 ppm Au from 58-62m. Alteration was well developed. The rhyolite dyke was intercepted from 31 to 65m. Mineralisation was within the rhyolite as well as on the contact with andesite.

The mineralisation cuts into the rhyolite dyke, so the dyke is older. The dyke appears to be dipping south-west.

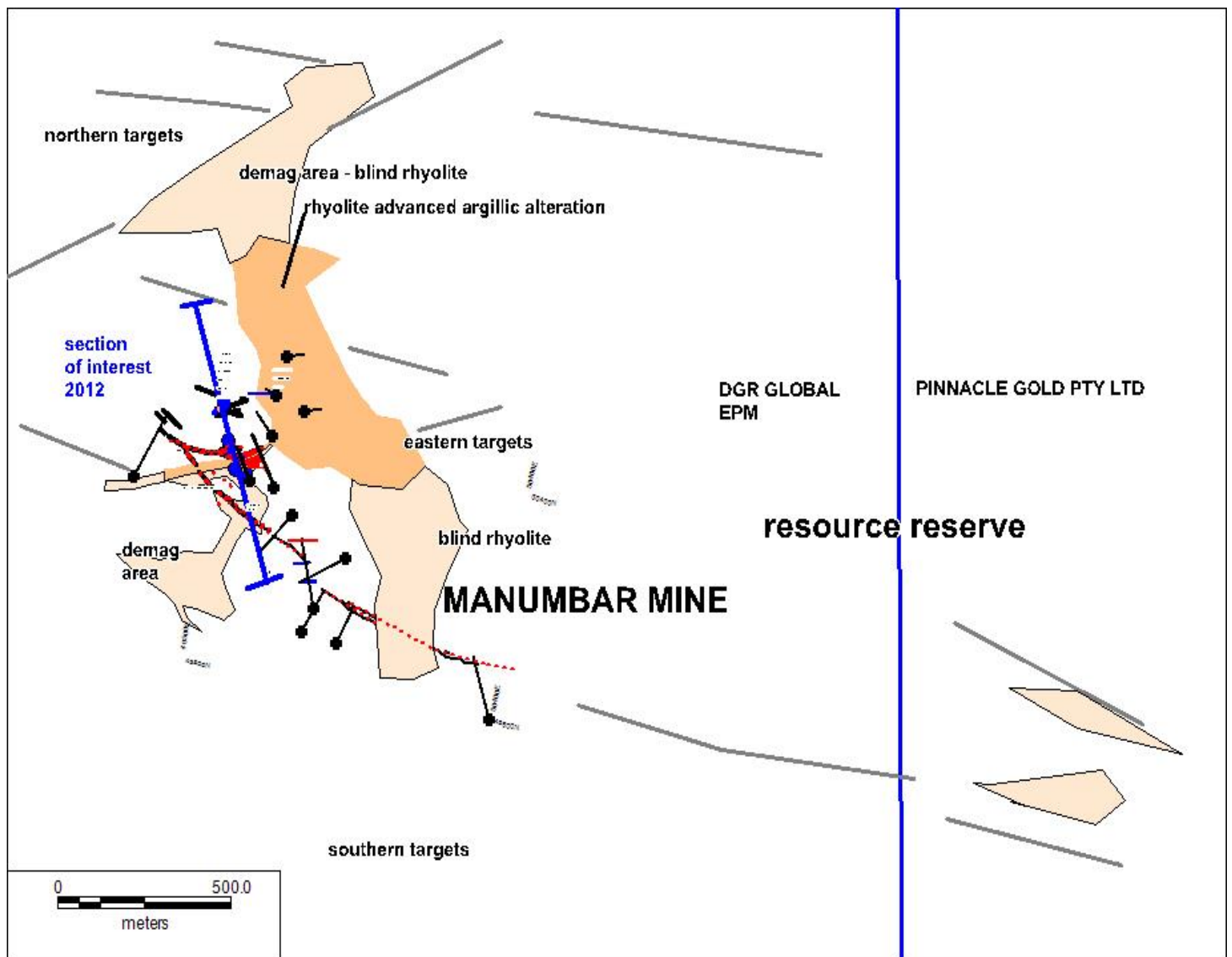


Figure 12 - Manumbar Project Area

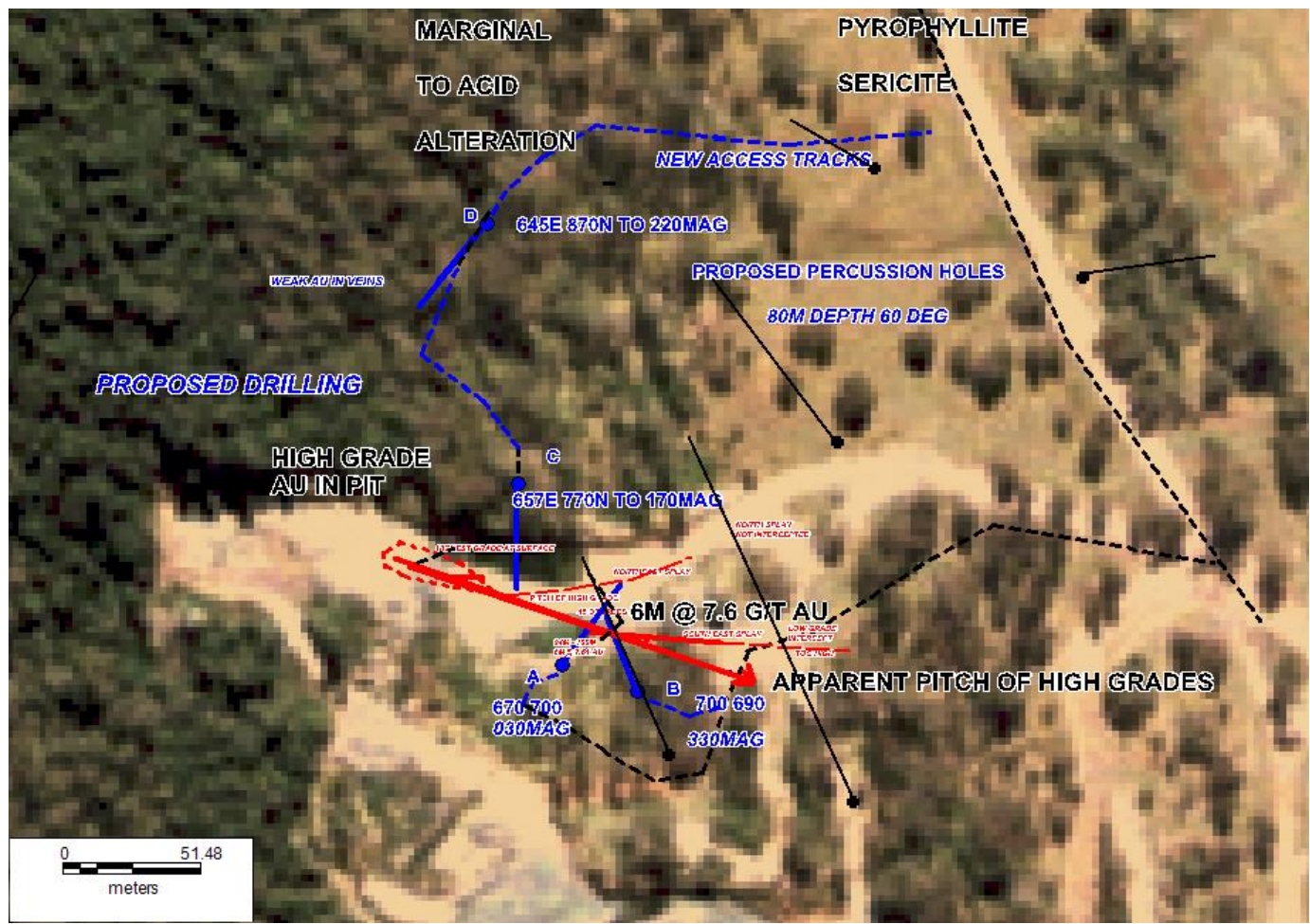


Figure 13 - The drill program for November 2012

Table 3- Drilling statistics for 2012.

Hole_id	East	North	RL	Dip	Azimuth Mag	Depth	Intercept	Au ppm	Tenement
MBR001 (B)	436670	7083698	442	-60	31	80m	48-60m	0.524	15238
MBR002 (C)	436652	7083773	423	-60	170	73m	46-48m 66-68m	0.152 0.131	15238
MBR003 (D)	436641	7083871	442	-60	220	82m	-	-	15238
MBR004 (A)	436702	7083688	447	-60	330	79m	52-66 Including 58-60 Including 60-62	0.626 1.34 1.22	15238



Figure 14 - The drill program underway in November 2012

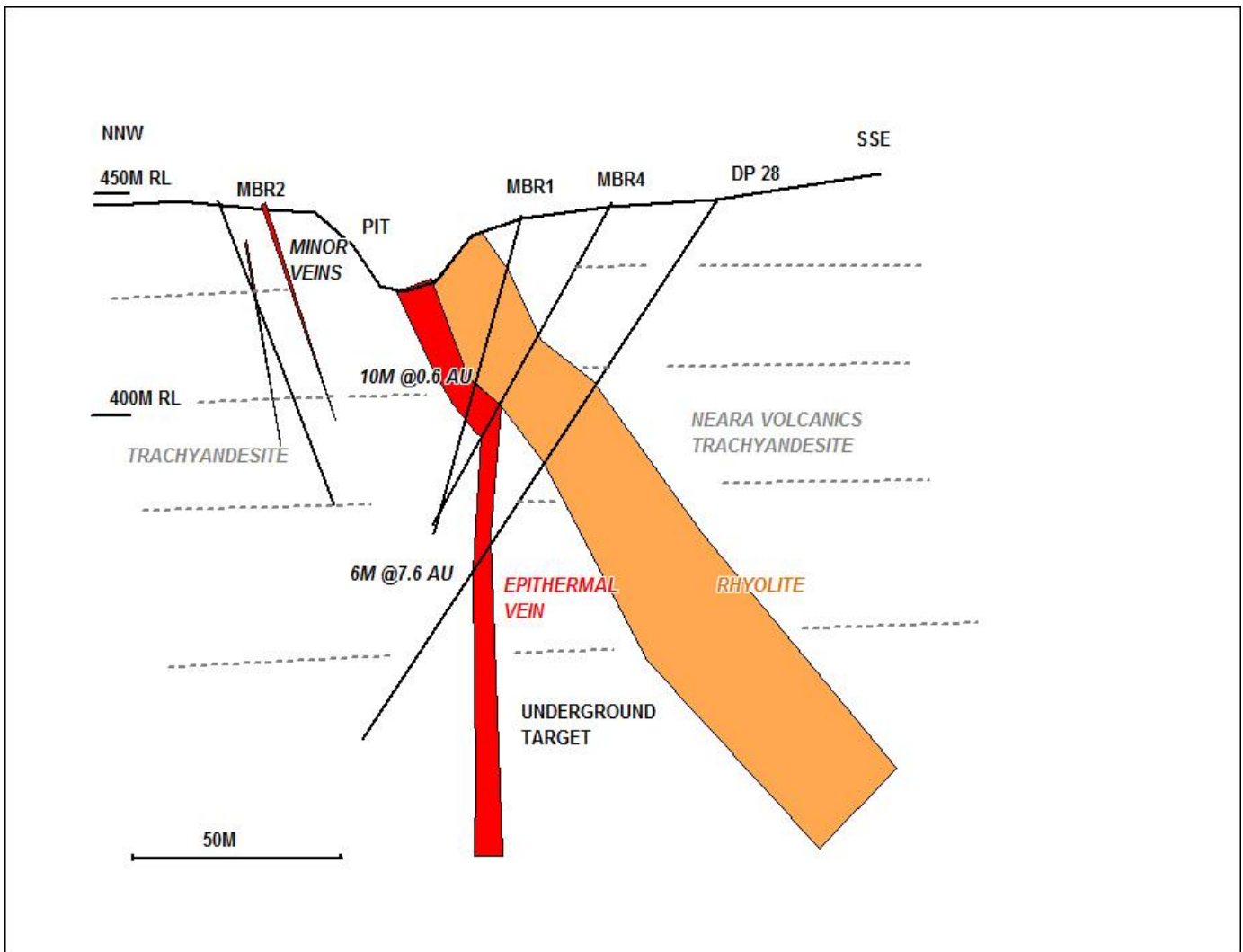


Figure 15 – Cross-section of drilling results

During 2013 - Negotiations with the Department of Environment and Heritage Protection continued during 2013. The one kilometre buffer zone extending from the new National Park impacts 3 sides of the EPM and completely covers the newly granted Manumbar East sub-block. Large areas of Resources Reserve are lying under the buffer zone, negating the whole purpose of the Reserve.

An application for a major amendment of the Environmental Authority is currently being composed by the company, and will be submitted January-/February 2014.

During 2014 - In the past year, these barriers have finally been overcome, with a new protocol for operations negotiated with the EPA. The excised sub block with the easterly on-strike vein extensions is now held by DGR subsidiary Pinnacle Gold. This new arrangement will finally allow the original purpose of the EPM to proceed.

A re examination was made of the parallel vein sets at Mi Mi and the eastern extensions which are notably chalcedonic, and stratigraphically higher than the mine area. It was considered

critical the ban on drilling and access track improvement be lifted, and a new set of procedures was negotiated with the EPA. These procedures are not as prohibitive, and effectively allow drilling during dry spells on the more gently sloping and swampy grasslands in the area of interest.

During 2015 - Work carried out during the last year comprised of only office based studies. However, the program will go ahead within the second year as DGR Global Ltd has received approximately \$20 million from their sales of shares in Orbis Gold Limited, as DGR Global held 14.6% of shares. Gold is now one of the few commodities still retaining value. A review of all the tenement holdings by DGR and related entities occurred during late 2015 and it was decided to keep the better gold tenements including this one.

During 2016 - Two RCP drill holes were completed with diamond tails for a total length of 300.2m. Best intercept was **27.9 ppm Au** from MBR11 at 123.35m to 124.04m, a width of 0.69m.

The drill program was designed to follow up an old intersection of 6m of 7.8 g/t Au, near the old north pit.

The old intercept was too far north to be the North Lode itself. So it was concluded there may be another lode missed during years of mining in the late 1990's. Two RCP drill holes were completed with diamond tails for a total length of 300.2m. Both drillholes were drilled northerly across and under the old North Pit. Both drillholes intercepted the low grade North Lode which sits closely parallel on the northern side of the rhyolite dyke. The north lode intercepts were MBR11 from 83m to 83.5m @1.29 ppm Au and MBR12 from 78m to 80m @ 0.694 ppm Au.

Best intercept was **27.9 ppm Au** from MBR11 at 123.35m to 124.04m, a width of 0.69m. At the bottom of the hole at 132m to 133.2m reported 2.48 ppm Au across 1.2m. No economic intercepts were reported from MBR12, but several anomalies over 100ppb Au were intercepted. Figure 3 suggests the vein encountered in 2004 (DP0028) is likely to be the same vein encountered in MBR11. Further drilling needs to be done to get a better understanding of the vein system in that location.

Table 4 – Manumbar Drilling Statistics

Drillhole Id	Location	Date	Deposit Style	Eastin g	Northin g	Elevatio n	BN G	Di p	Depth(m)
MBR011	15238 Manumbar	06-Oct-16	Epithermal vein	436700	7083666	455	330	-60	133.2
MBR012	15238 Manumbar	08-Oct-16	Epithermal vein	436658	7083654	457	330	-60	167

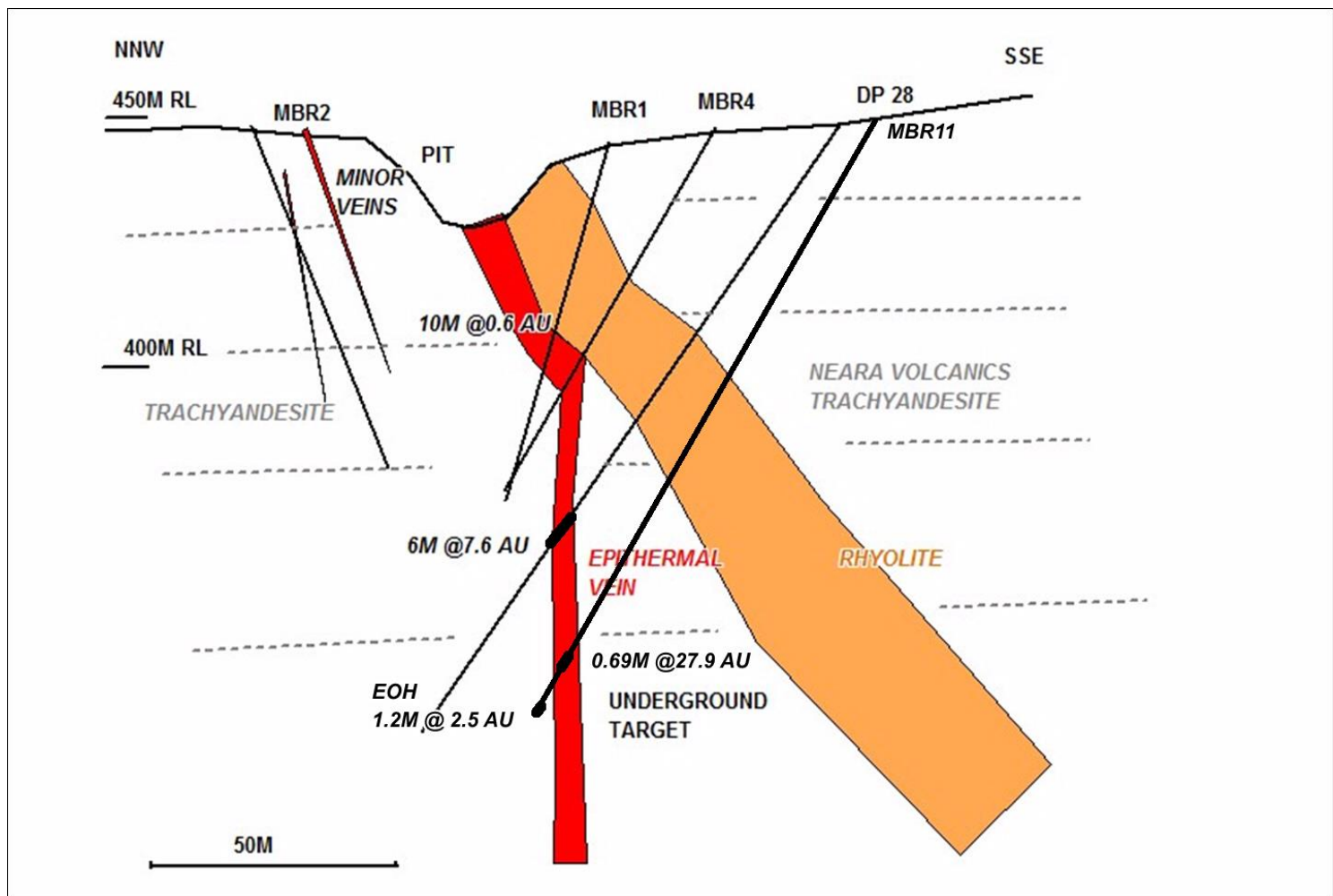


Figure 16 – Cross-section with results of new drilling (MBR11) and earlier results

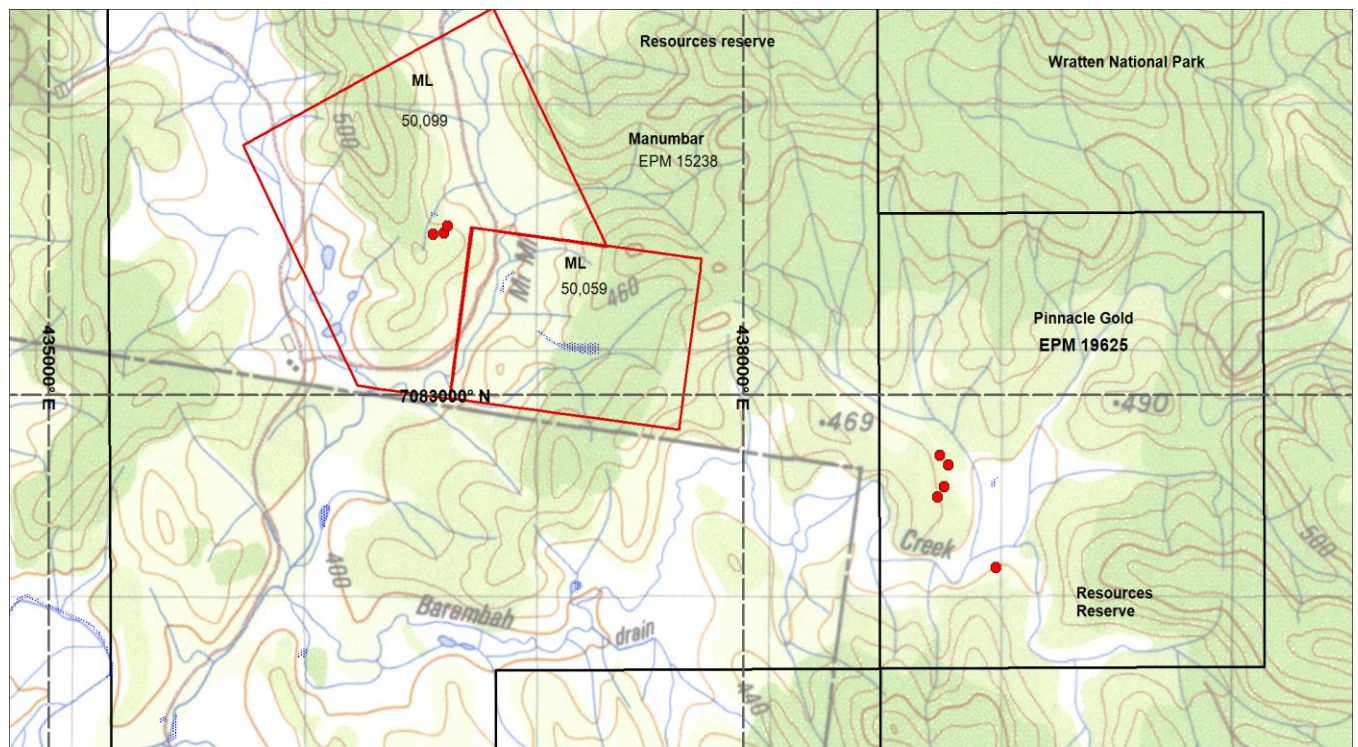


Figure 17 – Locations of drilling (2016) EPM's 15238 & 19625 on topo map

2017 - A review of the tenement in March was carried out and it was decided to surrender the tenement in full effective 23rd March 2017. No further groundwork was carried out.

3.4 Significant Mineralisation description

There was no significant mineralisation discovered. The high gold reading from MBR11 is a typical calcite vein with minor quartz. A bleached mylonite zone is visible beneath the vein. The descriptions of the Manumbar veins are within this report under **3.2 Local Geology and Mineralisation**.

Best intercept was **27.9 ppm Au** from MBR11 at 123.35m to 124.04m, a width of 0.69m. At the bottom of the hole at 132m to 133.2m reported 2.48 ppm Au across 1.2m.

Figure 18 below shows the vein in core.



Figure 18 - Best intercept was **27.9 ppm Au** from MBR11 at 123.35m to 124.04m, a width of 0.69m.

3.5 Resources & Reserves Statement

There are little known reserves left in the Manumbar gold-mine area. Some was left in the bottom of the East Pit when flooding occurred at the end of 1999. A small area under the National Trail on Glencoe Road remains at the east end of the West Pit near the Mi Mi Creek. All other known veins have been drilled and either mined out or are un-economic.

4 CONCLUSIONS

4.1 Potential for Mineral Discovery

There is potential for further mineral discovery in the EPM. All surface anomalies of significance have been followed-up. Other possibilities include the following-

- 1) Calcite veins which do not outcrop
- 2) Calcite veins which have weathered to a substantial depth leaving poor or no gold anomalies in soil at surface
- 3) Calcite veins (segments) which have been moved/displaced by faulting from original location where it did outcrop.

The second possibility was discovered in the north pit by drilling through alluvium for 20m before hitting vein material. The rig was positioned on solid rock at the time.

The third possibility was known to occur in the West Pit Extended where the calcite vein was sheared off at 40m depth. The vein was never relocated.

4.2 Statement of reasons for relinquishment or total surrender

The difficulty in finding new veins at Manumbar is outlined in the previous section. Without surface indicators, drilling would be blind and prohibitively expensive. A new geophysical method may help in the future.

6. APPENDICES

Appendix 1 – Stream Sediment Sample Assays (separate to this report)

Appendix 2 - Soil Sample Assays (separate to this report)

Appendix 3 – Rock-chip Sample Assays (separate to this report)

Appendix 4 – Drilling Logs Manumbar, 2012

Appendix 5 - Drilling Assay Results Manumbar, 2012

Appendix 6 – Drilling Assay Results Amamor Range, 2009

Appendix 7 – Drilling Logss Amamore Range, 2009

Appendix 8 - Drilling Logs MBR11 & MBR 12, with photos, 2016

Appendix 9 - Drilling Assay Results Manumbar 2016 (separate to this report)

APPENDIX 4

GEOLOGICAL DRILLING LOGS

MANUMBAR 2012

DGR GLOBAL LIMITED						
Hole No: MBR01		Logged by: RG Date: 14-11-2012		EPM: 15238 Prospect: Manumbar	Easting: 436670	%
Depth:	80m	Azimuth: 31 Inclination: -60		Top of Ox: 16m Bottom of Ox: 55m	Northing: 7083698	%
		Collar 3m			RL: 442	
Sample	Depth (m)		Lithology Description	Alteration	Mineralisation	sulphide veins
	0	1	Brown clay, calcrete, andesite chips	very weath		
DP48550	1	2	Clay , andesite chips	very weath		
	2	3	Brown clay	very weath	qtz lag	trace
DP48551	3	4	Clay , andesite chips	very weath		
	4	5	Clay , andesite chips	very weath	qtz/calc	1%
DP48552	5	6	Clay , andesite chips	very weath	qtz/calc	5%
	6	7	Clay , andesite chips	very weath	qtz/calc	10%
DP48553	7	8	Brown andesite	very weath	qtz/calc	trace
	8	9	Brown andesite	very weath	qtz/calc	1%
DP48554	9	10	Brown andesite	very weath	qtz/calc	trace
	10	11	Brown andesite	very weath	qtz/calc	1%

DP48555	11	12	Brown andesite	very weath	qtz/calc		trace
	12	13	Red brown andesite	mod weath, perv hematite, clay alt of feldspars			
DP48556	13	14	Red brown andesite, grey/yellow clay	mod weath, perv hematite, clay alt of feldspars	qtz/calc, pink		5%
	14	15	Red brown andesite	mod weath, perv hematite, clay alt of feldspars	qtz/calc		
DP48557	15	16	Red brown andesite	mod weath, perv hematite, clay alt of feldspars	qtz/calc		trace
	16	17	Red grey andesite	mod weath, perv hematite, clay alt of feldspars	qtz/calc, pink		trace
DP48558	17	18	Red grey andesite	mod weath, perv hematite, clay alt of feldspars	qtz/calc		trace
	18	19	Red grey andesite	mod weath, perv hematite, clay alt of feldspars			
DP48559	19	20	Red grey andesite	mod weath, perv hematite, clay alt of feldspars	fe-ox 10%		
	20	21	Cream rhyolite dyke	weathered			
DP48560	21	22	Cream rhyolite dyke	weathered			
	22	23	Cream rhyolite dyke	weathered			
DP48561	23	24	Cream rhyolite dyke	weathered			
	24	25	Cream rhyolite dyke	weathered			
DP48562	25	26	Cream rhyolite dyke	weathered			
	26	27	Cream rhyolite dyke	weathered			
DP48563	27	28	Cream rhyolite dyke	weathered			
	28	29	Cream rhyolite dyke	weathered			
DP48564	29	30	Cream rhyolite dyke	weathered			
	30	31	Cream rhyolite dyke	weathered			
DP48565	31	32	Cream rhyolite dyke	weathered			
	32	33	Cream rhyolite dyke	weathered			
DP48566	33	34	Cream rhyolite dyke	weathered			
	34	35	Cream rhyolite dyke	weathered			

DP48567	35	36	Cream rhyolite dyke	weathered			
	36	37	Cream rhyolite dyke	weathered			
DP48568	37	38	Cream rhyolite dyke	weathered			
	38	39	Cream rhyolite dyke	weathered			
DP48569	39	40	Cream rhyolite dyke	weathered			
	40	41	Cream rhyolite dyke	weathered			
DP48570	41	42	Cream rhyolite dyke	weathered			
	42	43	Cream rhyolite dyke	weathered	calc/qtz		trace
DP48571	43	44	Cream rhyolite dyke	weathered			
	44	45	Lt brown andesite	minor weath	calc/qtz, fe-ox clays		trace
DP48572	45	46	Lt brown andesite	minor weath	brown clays		
	46	47	Lt brown andesite	minor weath	calc/qtz, brown clay		5%
DP48573	47	48	Grey andesite	minor weath	calc/qtz		trace
	48	49	Grey andesite	minor weath, clay alt feldspars	calc/qtz, grey clay		3%
DP48574	49	50	Grey andesite, 10% rhyolite	minor weath, clay alt feldspars	grey clay		
	50	51	Grey andesite	minor weath, clay alt feldspars	grey clay		
DP48575	51	52	Grey andesite	minor weath, clay alt feldspars	calc/qtz		trace
	52	53	Grey andesite	minor weath, clay alt feldspars	calc/qtz, py in qtz vns	trace	7%
DP48576	53	54	Brown grey andesite, 5% rhyolite	minor weath, clay alt feldspars	calc/qtz		trace
	54	55	Brown grey andesite, 10% rhyolite	minor weath, clay alt feldspars	calc/qtz, py in qtz vns	trace	2%
DP48577	55	56	Brown grey andesite	chlorite, bleaching & clay alt	calc/qtz with py, diss py in andesite	trace	trace
	56	57	Brown grey andesite	chlorite, bleaching & clay alt	calc/qtz, diss py in andesite	trace	trace
DP48578	57	58	Brown grey andesite	chlorite, bleaching & clay alt	calc/qtz with py, diss py in andesite	trace	20%
	58	59	Pale grey & reddish andesite	chlorite, hematite, bleaching & clay alt	diss py in andesite	trace	
DP48579	59	60	Pale grey, dark grey & red andesite	chlorite, bleaching & clay alt	diss py in andesite	trace	
	60	61	Red brown, grey andesite	weak chlorite alt, bleaching, weak hematite alt	qtz vn with py	trace	2%

DP48580	61	62	Red brown, grey andesite	weak chlorite alt, bleaching, weak hematite alt	calc vns		trace
	62	63	Dk grey andesite	weak chlorite alt, weak hematite alt	qtz veins		trace
DP48581	63	64	Dk grey andesite	weak chlorite alt, weak hematite alt	qtz/calc		trace
	64	65	Dk grey andesite	weak chlorite alt	qtz/calc		trace
DP48582	65	66	Dk grey andesite	weak chlorite alt	qtz/calc		trace
	66	67	Grey andesite	weak chlorite alt, pink feldspars	qtz/calc, py in vn	trace	trace
DP48583	67	68	Grey andesite	weak chlorite alt, pink feldspars	qtz/calc		trace
	68	69	Grey andesite	weak chlorite alt, weak hematite alt	qtz/calc		trace
DP48584	69	70	Grey andesite	weak chlorite alt, weak hematite alt	qtz/calc		10%
	70	71	Grey andesite	weak chlorite alt	qtz/calc, py in vn	trace	5%
DP48585	71	72	Grey andesite	weak chlorite alt	qtz/calc		trace
	72	73	Dk grey andesite	weak chlorite alt			
DP48586	73	74	Dk grey andesite	weak chlorite alt			
	74	75	Dk grey andesite	weak chlorite alt, pink feldspars			trace
DP48587	75	76	Dk grey andesite	weak chlorite alt			
	76	77	Dk grey andesite	weak chlorite alt			
DP48588	77	78	Dk grey andesite	weak chlorite alt			trace
	78	79	Dk grey andesite	weak chlorite alt			
DP48589	79	80	Dk grey andesite	weak chlorite alt			
				EOH			

DGR GLOBAL LIMITED						
Hole No:	MBR02	Logged by: RG	Date: 20-11-2012	EPM: 15238 Prospect: Manumbar	Easting: 436652	%
Depth:	73m	Azimuth: 170	Inclination:-60	Top of Ox: 3m Bottom of Ox: 17m	Northing: 7083773	%

			Collar 3m		RL: 423		
Sample	Depth (m)		Lithology Description	Alteration	Mineralisation	sulphide	veins
	0	1	Brown andesite	mod weath			
DP48590	1	2	Brown andesite	mod weath			
	2	3	Brown andesite	mod weath			
DP48591	3	4	Grey andesite	mod weath			
	4	5	Grey andesite	mod weath	calc/qtz		trace
DP48592	5	6	Grey andesite	mod weath	calc/qtz		2%
	6	7	Grey brown andesite	mod weath			
DP48593	7	8	Grey brown andesite	mod weath, weak silic alt	calc/qtz, silvery py in andesite near vns	trace	1%
	8	9	Grey brown andesite	mod weath, weak silic alt	calc/qtz, pink calc		1%
DP48594	9	10	Grey brown andesite	mod weath, weak silic alt			
	10	11	Grey brown andesite	mod weath, weak silic alt	calc/qtz, pink calc		1%
DP48595	11	12	Grey brown andesite	mod weath, weak silic alt, pinking of feldspars	calc/qtz		1%
	12	13	Grey brown andesite	mod weath, weak silic alt, pinking of feldspars	calc/qtz, silvery py qtz	trace	2%
DP48596	13	14	Grey brown andesite	mod weath, weak silic alt	calc/qtz, silvery py qtz	trace	1%
	14	15	Grey brown andesite	weak hematite & chlorite alt	calc/qtz, silvery py qtz	trace	trace
DP48597	15	16	Grey red andesite	weak hematite & chlorite alt	calc/qtz		trace
	16	17	Dk grey andesite	weak hematite & chlorite alt			
DP48598	17	18	Grey brown andesite	weak hematite & chlorite alt, silic alt	some red jasper, silvery py in qtz, some breccia	trace	2%
	18	19	Grey andesite	weak hematite weak silic alt	silvery py in qtz, some breccia	trace	1%
DP48599	19	20	Grey andesite	weak hematite weak silic alt			
	20	21	Dk grey andesite	weak hematite weak silic alt			
DP48600	21	22	Dk grey andesite	weak hematite weak silic alt			
	22	23	Dk grey andesite	weak hematite weak silic alt			
DP48701	23	24	Dk grey andesite	weak hematite alt			

	24	25	Dk grey andesite	weak hematite alt			
DP48702	25	26	Dk grey andesite	weak hematite alt			
	26	27	Dk grey andesite	weak hematite alt, local chlorite alt	calc/qtz		2%
DP48703	27	28	Dk grey andesite	weak hematite alt, local chlorite alt			
	28	29	Dk grey andesite	weak hematite alt			
DP48704	29	30	Dk grey andesite	weak hematite alt			
	30	31	Dk grey andesite				
DP48705	31	32	Dk grey andesite				
	32	33	Dk grey andesite	weak hematite & chlorite alt			
DP48706	33	34	Dk grey andesite	weak hematite & chlorite alt			
	34	35	Lt grey andesite	bleaching & chlorite alt	calc/qtz		20%
DP48707	35	36	Med grey andesite	bleaching & chlorite alt	calc/qtz		2%
	36	37	Dk grey andesite				
DP48708	37	38	Dk grey andesite	pinking on feldspars, hematite alt & chlorite alt			
	38	39	Dk grey andesite	pinking on feldspars, hematite alt & chlorite alt			
DP48709	39	40	Dk grey andesite	pinking on feldspars, hematite alt & chlorite alt			
	40	41	Dk grey andesite	pinking on feldspars, hematite alt & chlorite alt	calc/qtz		trace
DP48710	41	42	Dk grey andesite	weak hematite alt			
	42	43	Dk grey andesite	weak hematite & chlorite alt			
DP48711	43	44	Dk grey andesite	pinking on feldspars, hematite alt & chlorite alt			
	44	45	Dk grey andesite	pinking on feldspars, hematite alt & chlorite alt	calc/qtz		trace
DP48712	45	46	Dk grey andesite	weak hematite alt	calc/qtz		trace
	46	47	Dk grey andesite	weak hematite alt			
DP48713	47	48	Dk grey andesite	pinking on feldspars, hematite alt & chlorite alt			

	48	49	Dk grey andesite	pinking on feldspars, hematite alt	calc/qtz		trace
DP48714	49	50	Dk grey andesite	weak hematite & chlorite alt	calc/qtz		trace
	50	51	Dk grey andesite	pinking on feldspars, hematite alt & chlorite alt			
DP48715	51	52	Dk grey andesite	pinking on feldspars, hematite alt & chlorite alt			
	52	53	Dk grey andesite	pinking on feldspars, hematite alt			
DP48716	53	54	Dk grey andesite	weak hematite alt			
	54	55	Dk grey andesite	weak hematite alt			
DP48717	55	56	Dk grey andesite	weak hematite & chlorite alt			
	56	57	Dk grey andesite	weak hematite & chlorite alt			
DP48718	57	58	Dk grey andesite	weak hematite & chlorite alt	calc/qtz		trace
	58	59	Dk grey andesite	weak hematite & chlorite alt			
DP48719	59	60	Dk grey andesite	weak hematite & chlorite alt			
	60	61	Dk grey andesite	weak hematite alt			
DP48720	61	62	Dk grey andesite	weak hematite & chlorite alt	calc/qtz		trace
	62	63	Dk grey andesite	weak hematite alt			
DP48721	63	64	Dk grey andesite	weak hematite & chlorite alt	calc/qtz		trace
	64	65	Dk grey andesite	weak hematite & chlorite alt			
DP48722	65	66	Dk grey andesite	weak hematite & chlorite alt			
	66	67	Dk grey andesite	weak hematite & chlorite alt	calc/qtz		trace
DP48723	67	68	Dk grey andesite	weak hematite & chlorite alt	yellow py in qtz	trace	1%
	68	69	Dk grey andesite	weak hematite & chlorite alt			
DP48724	69	70	Dk grey andesite				
	70	71	Dk grey andesite				
DP48725	71	72	Dk grey andesite				
	72	73	Dk grey andesite				
DP48726				EOH (very slow drilling)			

DGR GLOBAL LIMITED												
Hole No: MBR03			Logged by: RG Date: 22-11-2012			EPM: 15238 Prospect: Manumbar		Easting: 436641		%	%	
Depth: 82m			Azimuth: 220 Inclination:-60			Top of Ox: 5m Bottom of Ox: 20m		Northing: 7083871				
			Collar 3m					RL: 442				
Sample		Depth (m)		Lithology Description			Alteration		Mineralisation		sulphide	veins
		0	1	Brown grey andesite			moderate weathering					
DP48727		1	2	Brown grey andesite			minor weathering					
		2	3	Brown grey andesite			moderate weathering					
DP48728		3	4	Brown grey andesite			moderate weathering					
		4	5	Brown grey andesite			minor weathering					

DP48729	5	6	Brown grey andesite	minor weathering			
	6	7	Brown grey andesite	minor weathering			
DP48730	7	8	Brown grey andesite	minor weathering			
	8	9	Brown grey andesite	minor weathering			
DP48731	9	10	Brown grey andesite	minor weathering			
	10	11	Brown grey andesite	minor weathering	calc vn		trace
DP48732	11	12	Brown grey andesite	minor weathering			
	12	13	Brown grey andesite	minor weathering			
DP48733	13	14	Brown grey andesite	minor weathering			
	14	15	Brown grey andesite	minor weathering			
DP48734	15	16	Brown grey andesite	minor weathering			
	16	17	Brown grey andesite	minor weathering	calc/qtz		trace
DP48735	17	18	Brown grey andesite	minor weathering	calc/qtz		trace
	18	19	Brown grey andesite	minor weathering, weak hematite & chlorite alt	calc/qtz		trace
DP48736	19	20	Brown grey andesite	minor weathering, weak hematite & chlorite alt	calc/qtz		trace
	20	21	Grey andesite	weak hematite and chlorite alt			
DP48737	21	22	Grey andesite	weak hematite and chlorite alt			
	22	23	Grey andesite	weak hematite and chlorite alt	calc/qtz		
DP48738	23	24	Grey andesite	weak hematite and chlorite alt	calc/qtz		
	24	25	Grey andesite	weak hematite and chlorite alt			
DP48739	25	26	Grey andesite	weak hematite and chlorite alt			
	26	27	Grey andesite	weak hematite and chlorite alt	calc/qtz		trace
DP48740	27	28	Rhyolite dyke, green feldspars	weak hematite and chlorite alt	diss py in dyke	trace	
	28	29	Grey andesite	weak hematite and chlorite alt			
DP48741	29	30	Grey andesite	weak hematite and chlorite alt	calc/qtz		trace
	30	31	Grey andesite	weak hematite alt			
DP48742	31	32	Grey andesite	weak hematite alt	calc/qtz, pink calc		trace
	32	33	Grey andesite	weak hematite alt			

DP48743	33	34	Grey andesite	weak hematite alt, pinking of feldspars	calc/qtz		trace
	34	35	Grey andesite	weak hematite alt			
DP48744	35	36	Grey andesite	weak hematite and chlorite alt	calc/qtz, silvery py in qtz	trace	1%
	36	37	Grey andesite	weak hematite and chlorite alt	calc vn		trace
DP48745	37	38	Grey andesite	weak hematite alt			
	38	39	Grey andesite	weak hematite alt			
DP48746	39	40	Grey andesite	weak hematite and chlorite alt			
	40	41	Grey andesite	weak hematite and chlorite alt			
DP48747	41	42	Grey andesite	weak hematite alt			
	42	43	Grey andesite	weak hematite alt			
DP48748	43	44	Grey andesite	weak hematite alt			
	44	45	Grey andesite	weak hematite alt			
DP48749	45	46	Grey andesite	weak hematite alt	red hematite vein with py	trace	
	46	47	Grey andesite	weak hematite alt			
DP48750	47	48	Grey andesite	weak hematite and chlorite alt			
	48	49	Grey red andesite	strong hematite alt			
DP48751	49	50	Grey red andesite	strong hematite alt			
	50	51	Grey andesite	weak hematite alt			
DP48752	51	52	Grey andesite	weak hematite alt			
	52	53	Grey andesite		calc/qtz		trace
DP48753	53	54	Grey andesite	weak chlorite alt			
	54	55	Grey andesite	weak chlorite alt			
DP48754	55	56	Grey andesite	weak chlorite alt			
	56	57	Grey andesite		calc/qtz		trace
DP48755	57	58	Grey andesite & rhyolite dyke				
	58	59	Grey andesite		calc/qtz		trace
DP48756	59	60	Grey andesite				
	60	61	Grey andesite				
DP48757	61	62	Grey andesite				

	62	63	Grey andesite				
DP48758	63	64	Grey andesite				
	64	65	Grey andesite				
DP48759	65	66	Grey andesite				
	66	67	Grey andesite		calc/qtz		trace
DP48760	67	68	Grey andesite		calc/qtz		trace
	68	69	Grey andesite				
DP48761	69	70	Grey andesite				
	70	71	Grey andesite				
DP48762	71	72	Grey andesite & rhyolite dyke				
	72	73	Grey andesite & rhyolite dyke				
DP48763	73	74	Grey andesite				
	74	75	Grey andesite				
DP48764	75	76	Grey andesite				
	76	77	Grey andesite		banded calc/qtz, silvery py in qtz	trace	2%
DP48765	77	78	Grey andesite				
	78	79	Grey andesite				trace
DP48766	79	80	Grey andesite				
	80	81	Grey andesite				
DP48767	81	82	Grey andesite				
				EOH			

DGR GLOBAL LIMITED						
Hole No: MBR04		Logged by: RG Date: 24-11-2012		EPM: 15238 Prospect: Manumbar	Easting: 436702	%
Depth: 79m		Azimuth: 330 Inclination:-60		Top of Ox: 13m Bottom of Ox: 50m	Northing: 7083688	%
		Collar 3m			RL: 447	
Sample	Depth (m)		Lithology Description	Alteration	Mineralisation	sulphide veins
	0	1	Brown soil	pad fill		
DP48768	1	2	Brown soil	pad fill		
	2	3	Clays	v. weathered		
DP48769	3	4	Clays	v. weathered		
	4	5	Brown andesite & clay	v. weathered	qtz/calc	5%
DP48770	5	6	Brown andesite & clay	v. weathered	qtz/calc	1%
	6	7	Brown andesite & clay	v. weathered	qtz/calc	trace
DP48771	7	8	Brown andesite & clay	v. weathered	qtz/calc	5%
	8	9	Brown andesite & clay	v. weathered	qtz/calc with py	trace 2%
DP48772	9	10	Brown andesite & clay	v. weathered		
	10	11	Brown andesite & clay	v. weathered		
DP48773	11	12	Brown andesite & clay	v. weathered	qtz/calc	trace
	12	13	Grey brown andesite	mod weathering, weak hematite alt		
DP48774	13	14	Grey brown andesite	mod weathering	qtz/calc	trace
	14	15	Grey brown andesite	mod weathering		

DP48775	15	16	Yellow brown andesite	very weathered, weak hematite alt			
	16	17	Yellow brown andesite	very weathered	qtz/calc		2%
DP48776	17	18	Yellow brown andesite	very weathered	qtz/calc		trace
	18	19	Yellow brown & purple andesite	very weathered, strong hematite alt			
DP48777	19	20	Purple andesite	minor weathering, strong hematite alt	qtz/calc		trace
	20	21	Purple brown andesite	minor weathering, strong hematite alt	qtz/calc		trace
DP48778	21	22	Purple brown andesite and grey clay	minor weathering, weak hematite, clay alt	qtz/calc		trace
	22	23	Purple brown andesite and grey clay	minor weathering, weak hematite, clay alt	qtz/calc		trace
DP48779	23	24	Purple brown andesite and grey clay	minor weathering, weak hematite, clay alt	qtz/calc		trace
	24	25	Grey purple andesite and grey clay	minor weathering, & bleaching, weak hematite, clay alt	qtz/calc		trace
DP48780	25	26	Grey andesite and grey clay	minor weathering			
	26	27	Grey andesite and grey clay	minor weathering	qtz/calc		trace
DP48781	27	28	Grey andesite	minor weathering, weak hematite alt	qtz/calc		trace
	28	29	Grey andesite	minor weathering	pink calcite		2%
DP48782	29	30	Grey andesite	minor weathering, weak hematite alt	pink calcite		trace
	30	31	Grey andesite	minor weathering	calcite		1%
DP48783	31	32	Pale various colours rhyolite	minor weathering, weak hematite alt	qtz/calc		1%
	32	33	Yellow rhyolite dyke	moderate weathering, bleaching, silica alt	rhyolite contact		trace
DP48784	33	34	Yellow rhyolite dyke	moderate weathering			1%
	34	35	Yellow rhyolite dyke	moderate weathering			
DP48785	35	36	Yellow rhyolite dyke	moderate weathering			

	36	37	Yellow rhyolite dyke	moderate weathering			
DP48786	37	38	Yellow rhyolite dyke	moderate weathering			
	38	39	Yellow rhyolite dyke	moderate weathering			
DP48787	39	40	Yellow rhyolite dyke	moderate weathering			
	40	41	Yellow rhyolite dyke	moderate weathering			
DP48788	41	42	Yellow rhyolite dyke	moderate weathering			
	42	43	Yellow rhyolite dyke	moderate weathering			
DP48789	43	44	Yellow rhyolite dyke	moderate weathering			
	44	45	Yellow rhyolite dyke	moderate weathering			
DP48790	45	46	Yellow rhyolite dyke	moderate weathering			
	46	47	Yellow rhyolite dyke	moderate weathering			
DP48791	47	48	Yellow rhyolite dyke	moderate weathering			
	48	49	Yellow rhyolite dyke	moderate weathering			
DP48792	49	50	Yellow rhyolite dyke	moderate weathering			
	50	51	Yellow rhyolite dyke	moderate weathering	grey qtz		20%
DP48793	51	52	Yellow rhyolite dyke	moderate weathering	breccia grey qtz vns with silvery py	>1%	70%
	52	53	Yellow rhyolite dyke	moderate weathering, trace red jasper vn	breccia grey qtz vns with silvery py	trace	10%
DP48794	53	54	lt brown rhyolite dyke	minor weathering	qtz/calc, diss py in dyke	trace	trace
	54	55	Light grey brown rhyolite dyke		qtz/calc		30%
DP48795	55	56	Light grey brown rhyolite dyke		qtz/calc		5%
	56	57	Light grey brown rhyolite dyke		qtz/calc		trace
DP48796	57	58	Light grey brown rhyolite dyke		qtz/calc		2%
	58	59	Light grey brown rhyolite dyke		qtz/calc		10%
DP48797	59	60	Light grey brown rhyolite dyke		qtz/calc		20%
	60	61	Light grey brown rhyolite dyke		qtz/calc, diss py in dyke	trace	2%
DP48798	61	62	Light grey brown rhyolite dyke		qtz/calc, diss py in dyke	trace	1%
	62	63	Light grey brown rhyolite dyke		qtz/calc, diss py in dyke	trace	1%
DP48799	63	64	Light grey brown rhyolite dyke		qtz/calc, diss py in dyke	trace	1%

	64	65	Light grey brown rhyolite dyke		qtz/calc, diss py in dyke	trace	1%
DP48800	65	66	Grey andesite		qtz/calc		trace
	66	67	Grey andesite		qtz/calc		trace
DP48601	67	68	Lt grey andesite	hematite, chlorite and bleaching	qtz/calc		trace
	68	69	Lt grey andesite with rhyolite	hematite, chlorite and bleaching	qtz/calc, diss py in dyke		trace
DP48602	69	70	Lt grey andesite	hematite, chlorite and bleaching	qtz/calc		trace
	70	71	Lt grey andesite	hematite, chlorite and bleaching, pink feldspars	qtz/calc		trace
DP48603	71	72	Grey purple andesite	hematite alt, pink feldspars	qtz/calc		trace
	72	73	Grey purple andesite	hematite & chlorite alt, pink feldspars	qtz/calc		trace
DP48604	73	74	Dk grey andesite	hematite alt, pink feldspars	qtz/calc		trace
	74	75	Dk grey andesite	hematite alt, pink feldspars	qtz/calc		trace
DP48605	75	76	Dk grey andesite	hematite alt, pink feldspars	qtz/calc		trace
	76	77	Dk grey andesite	hematite & chlorite alt, pink feldspars	qtz/calc		trace
DP48606	77	78	Dk grey andesite	hematite alt, pink feldspars	qtz/calc		trace
	78	79	Dk grey andesite	hematite alt, pink feldspars			
DP48607				EOH			

APPENDIX 5

Drill-chip Assays

MANUMBAR 2012

Sample	Drillhole	From	To	Au_ppm	Au1	Ag ppm	As ppm	Bi ppm	Co ppm	Cr ppm	Cu ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Te ppm	Zn ppm
DP48550	MBR001	0	2	0.048	Au-TL43	0.08	14	0.2	20	12	18	1	12	7	0.82	0.01	47
DP48551	MBR001	2	4	0.016	Au-TL43	0.06	15	0.04	13	5	27	2	8	6	0.74	-0.01	46
DP48552	MBR001	4	6	0.004	Au-TL43	0.05	4	0.01	15	6	16	1	8	4	0.81	-0.01	42
DP48553	MBR001	6	8	0.004	Au-TL43	0.12	5	0.05	15	5	15	1	7	4	0.8	-0.01	49
DP48554	MBR001	8	10	0.003	Au-TL43	0.21	5	0.1	14	4	13	-1	7	4	1.06	-0.01	46
DP48555	MBR001	10	12	0.003	Au-TL43	0.16	8	0.06	14	4	20	-1	8	4	1.31	-0.01	54
DP48556	MBR001	12	14	0.007	Au-TL43	0.15	9	0.05	17	4	15	-1	7	5	0.88	-0.01	83
DP48557	MBR001	14	16	0.019	Au-TL43	0.2	20	0.1	12	3	15	-1	4	4	0.71	-0.01	44
DP48558	MBR001	16	18	0.03	Au-TL43	0.24	32	0.11	13	3	14	-1	5	5	0.71	-0.01	48
DP48559	MBR001	18	20	0.032	Au-TL43	0.2	34	0.11	15	2	12	1	5	8	1.68	-0.01	52
DP48560	MBR001	20	22	0.003	Au-TL43	0.01	2	0.08	1	2	-1	1	2	12	0.49	-0.01	4
DP48561	MBR001	22	24	0.001	Au-TL43	0.01	2	0.11	1	2	1	1	2	15	0.45	-0.01	4
DP48562	MBR001	24	26	0.001	Au-TL43	0.01	1	0.08	1	2	1	-1	2	16	0.35	-0.01	5
DP48563	MBR001	26	28	0.001	Au-TL43	0.01	1	0.09	-1	3	1	1	2	15	0.53	-0.01	2
DP48564	MBR001	28	30	0.001	Au-TL43	0.02	2	0.09	-1	2	1	1	2	22	0.53	-0.01	3
DP48565	MBR001	30	32	0.001	Au-TL43	0.02	1	0.09	1	2	1	1	2	15	0.38	-0.01	3
DP48566	MBR001	32	34	0.001	Au-TL43	0.02	1	0.1	1	2	1	1	2	14	0.5	-0.01	3
DP48567	MBR001	34	36	0.003	Au-TL43	0.02	1	0.09	1	2	1	1	2	18	0.44	-0.01	4
DP48568	MBR001	36	38	0.001	Au-TL43	0.06	-1	0.07	1	2	1	-1	1	13	0.26	-0.01	3
DP48569	MBR001	38	40	0.021	Au-TL43	0.02	4	0.1	1	2	1	1	1	20	0.48	-0.01	4
DP48570	MBR001	40	42	0.02	Au-TL43	0.01	1	0.09	-1	2	-1	-1	1	22	0.33	-0.01	3
DP48571	MBR001	42	44	0.011	Au-TL43	0.04	1	0.25	-1	2	1	1	1	18	0.51	0.01	3
DP48572	MBR001	44	46	0.012	Au-TL43	0.18	4	0.49	2	2	2	3	2	20	0.96	0.01	11
DP48573	MBR001	46	48	0.053	Au-TL43	0.37	38	0.16	14	2	15	1	7	12	4.02	-0.01	51
DP48574	MBR001	48	50	0.126	Au-TL43	0.28	67	0.12	11	4	12	2	8	14	3.25	-0.01	42

DP48575	MBR001	50	52	0.431	Au-TL43	0.7	87	0.08	14	6	25	2	13	8	11.2	0.01	43
DP48576	MBR001	52	54	0.46	Au-TL43	0.46	36	0.09	13	9	26	-1	14	10	1.27	-0.01	40
DP48577	MBR001	54	56	0.712	Au-TL43	0.68	56	0.1	13	9	27	-1	15	11	1.08	0.01	40
DP48578	MBR001	56	58	0.89	Au-TL43	1.09	57	0.08	14	13	25	-1	19	9	0.74	0.02	45
DP48579	MBR001	58	60	0.526	Au-TL43	0.44	28	0.09	14	16	35	-1	21	7	0.74	-0.01	46
DP48580	MBR001	60	62	0.039	Au-TL43	0.19	29	0.09	16	26	26	-1	28	7	0.73	-0.01	59
DP48581	MBR001	62	64	0.04	Au-TL43	0.19	28	0.09	17	31	27	-1	28	6	0.87	-0.01	63
DP48582	MBR001	64	66	0.038	Au-TL43	0.21	43	0.07	17	28	26	-1	28	6	0.79	-0.01	66
DP48583	MBR001	66	68	0.051	Au-TL43	0.39	62	0.05	16	21	24	1	22	8	1.52	-0.01	60
DP48584	MBR001	68	70	0.066	Au-TL43	0.53	59	0.12	16	9	22	-1	12	9	1.65	-0.01	56
DP48585	MBR001	70	72	0.093	Au-TL43	0.43	31	0.07	18	5	23	1	9	5	0.84	0.01	76
DP48586	MBR001	72	74	0.01	Au-TL43	0.11	7	0.08	18	7	11	-1	10	4	0.67	-0.01	70
DP48587	MBR001	74	76	0.012	Au-TL43	0.24	7	0.14	18	6	27	-1	10	3	0.51	-0.01	72
DP48588	MBR001	76	78	0.006	Au-TL43	0.15	5	0.1	16	6	19	-1	10	6	0.59	-0.01	70
DP48589	MBR001	78	80	0.013	Au-TL43	0.11	8	0.07	18	7	16	-1	10	4	0.64	-0.01	78
DP48590	MBR002	0	2	0.056	Au-TL43	0.33	37	0.09	14	19	15	1	12	9	1.04	-0.01	58
DP48591	MBR002	2	4	0.053	Au-TL43	0.24	15	0.08	13	20	14	1	13	6	1.09	-0.01	59
DP48592	MBR002	4	6	0.03	Au-TL43	0.17	29	0.05	14	20	16	1	13	9	0.83	-0.01	58
DP48593	MBR002	6	8	0.025	Au-TL43	0.18	24	0.04	14	22	20	1	13	8	1	-0.01	62
DP48594	MBR002	8	10	0.018	Au-TL43	0.1	13	0.06	14	23	19	1	15	7	1.09	-0.01	64
DP48595	MBR002	10	12	0.006	Au-TL43	0.06	10	0.09	14	22	20	1	15	9	1.65	-0.01	57
DP48596	MBR002	12	14	0.008	Au-TL43	0.1	10	0.06	13	23	17	1	14	7	1.42	-0.01	57
DP48597	MBR002	14	16	0.022	Au-TL43	0.08	24	0.12	14	24	21	1	15	16	1.59	-0.01	59
DP48598	MBR002	16	18	0.018	Au-TL43	0.17	28	0.09	14	27	25	1	16	7	2.09	-0.01	55
DP48599	MBR002	18	20	0.011	Au-TL43	0.09	13	0.08	17	35	24	1	28	7	1.19	-0.01	58
DP48600	MBR002	20	22	0.001	Au-TL43	0.07	9	0.07	18	35	28	1	34	6	2.9	-0.01	59
DP48701	MBR002	22	24	0.001	Au-TL43	0.06	9	0.09	18	28	30	1	31	7	2.89	-0.01	58
DP48702	MBR002	24	26	0.001	Au-TL43	0.05	8	0.1	16	29	27	1	29	6	2.65	-0.01	52
DP48703	MBR002	26	28	0.008	Au-TL43	0.1	7	0.1	18	37	29	1	29	7	1.65	-0.01	58
DP48704	MBR002	28	30	0.001	Au-TL43	0.05	6	0.07	16	39	28	1	29	6	1.96	-0.01	62
DP48705	MBR002	30	32	0.001	Au-TL43	0.06	4	0.05	18	38	24	1	31	5	1.11	-0.01	65
DP48706	MBR002	32	34	0.008	Au-TL43	0.09	3	0.06	19	31	23	-1	33	5	0.83	-0.01	65
DP48707	MBR002	34	36	0.022	Au-TL43	0.16	29	0.07	17	27	25	1	27	10	1.31	-0.01	57
DP48708	MBR002	36	38	0.003	Au-TL43	0.12	5	0.04	20	37	25	-1	32	4	0.47	-0.01	70
DP48709	MBR002	38	40	0.014	Au-TL43	0.19	9	0.06	17	31	19	-1	28	5	0.97	-0.01	60
DP48710	MBR002	40	42	0.016	Au-TL43	0.34	8	0.24	19	9	47	-1	12	5	0.95	-0.01	74
DP48711	MBR002	42	44	0.012	Au-TL43	0.25	5	0.19	17	7	15	-1	9	5	0.88	-0.01	64

DP48712	MBR002	44	46	0.082	Au-TL43	0.79	7	0.25	17	9	80	-1	10	5	0.94	-0.01	65
DP48713	MBR002	46	48	0.152	Au-TL43	0.19	3	0.11	20	9	11	-1	11	4	0.6	-0.01	72
DP48714	MBR002	48	50	0.027	Au-TL43	0.12	5	0.04	18	7	14	1	10	4	0.89	-0.01	70
DP48715	MBR002	50	52	0.011	Au-TL43	0.1	4	0.05	19	7	14	1	9	4	1.05	-0.01	73
DP48716	MBR002	52	54	0.001	Au-TL43	0.08	4	0.05	19	9	23	1	10	7	2.08	-0.01	76
DP48717	MBR002	54	56	0.02	Au-TL43	0.16	8	0.06	20	9	26	1	11	6	1.85	-0.01	78
DP48718	MBR002	56	58	0.003	Au-TL43	0.07	3	0.02	19	9	19	-1	10	5	1.55	-0.01	75
DP48719	MBR002	58	60	0.01	Au-TL43	0.07	6	0.05	20	11	28	1	11	6	2.24	-0.01	79
DP48720	MBR002	60	62	0.002	Au-TL43	0.06	4	0.06	19	11	26	1	10	5	2.55	-0.01	79
DP48721	MBR002	62	64	0.004	Au-TL43	0.07	5	0.06	19	11	27	1	10	5	2.41	-0.01	77
DP48722	MBR002	64	66	0.004	Au-TL43	0.09	5	0.06	18	10	24	1	9	6	2.47	-0.01	79
DP48723	MBR002	66	68	0.131	Au-TL43	0.21	24	0.07	18	9	25	1	11	7	1.99	-0.01	72
DP48724	MBR002	68	70	0.023	Au-TL43	0.07	3	0.06	19	14	22	1	11	5	2.02	-0.01	74
DP48725	MBR002	70	72	0.005	Au-TL43	0.08	5	0.08	19	13	24	1	11	5	2.15	-0.01	81
DP48726	MBR002	72	73	0.001	Au-TL43	0.06	3	0.07	18	11	23	1	10	4	1.64	-0.01	74
DP48727	MBR003	0	2	0.004	Au-TL43	0.03	8	0.11	19	36	25	1	23	13	1.98	-0.01	63
DP48728	MBR003	2	4	0.009	Au-TL43	0.05	6	0.09	16	31	23	1	21	8	1.88	-0.01	61
DP48729	MBR003	4	6	0.001	Au-TL43	0.05	6	0.07	17	34	27	1	25	6	2.13	-0.01	61
DP48730	MBR003	6	8	0.042	Au-TL43	0.11	20	0.09	18	39	30	1	32	10	1.71	-0.01	59
DP48731	MBR003	8	10	0.048	Au-TL43	0.14	29	0.08	20	45	33	1	36	9	1.57	-0.01	62
DP48732	MBR003	10	12	0.011	Au-TL43	0.09	17	0.08	20	41	30	1	35	6	1.75	-0.01	62
DP48733	MBR003	12	14	0.005	Au-TL43	0.06	5	0.1	19	40	26	1	33	5	1.83	-0.01	61
DP48734	MBR003	14	16	0.016	Au-TL43	0.09	11	0.08	18	40	27	1	33	5	1.2	-0.01	59
DP48735	MBR003	16	18	0.03	Au-TL43	0.11	9	0.07	17	38	25	1	28	6	1.35	-0.01	63
DP48736	MBR003	18	20	0.009	Au-TL43	0.2	7	0.11	16	30	24	-1	26	10	0.83	-0.01	56
DP48737	MBR003	20	22	0.005	Au-TL43	0.06	7	0.07	18	38	26	1	31	6	1.51	-0.01	59
DP48738	MBR003	22	24	0.003	Au-TL43	0.07	4	0.07	17	32	24	-1	24	7	1.41	-0.01	65
DP48739	MBR003	24	26	0.003	Au-TL43	0.09	5	0.05	18	25	22	-1	29	6	1.64	-0.01	57
DP48740	MBR003	26	28	0.01	Au-TL43	0.13	7	0.18	18	11	16	-1	14	7	1.23	0.01	69
DP48741	MBR003	28	30	0.024	Au-TL43	0.26	16	0.1	19	6	70	-1	10	11	1.59	-0.01	71
DP48742	MBR003	30	32	0.023	Au-TL43	0.09	13	0.11	18	7	7	-1	9	7	1.45	-0.01	73
DP48743	MBR003	32	34	0.017	Au-TL43	0.14	5	0.04	17	7	25	-1	10	6	1.81	-0.01	64
DP48744	MBR003	34	36	0.014	Au-TL43	0.14	14	0.08	18	7	20	-1	11	7	2.27	-0.01	64
DP48745	MBR003	36	38	0.025	Au-TL43	0.11	17	0.07	19	9	23	1	9	8	3.1	-0.01	76
DP48746	MBR003	38	40	0.077	Au-TL43	0.13	30	0.08	19	10	24	1	10	9	3.26	-0.01	73
DP48747	MBR003	40	42	0.018	Au-TL43	0.08	11	0.09	19	10	28	1	11	8	2.67	-0.01	74
DP48748	MBR003	42	44	0.005	Au-TL43	0.06	5	0.08	20	10	23	1	11	7	3.25	-0.01	75

DP48749	MBR003	44	46	0.02	Au-TL43	0.15	8	0.09	19	10	29	1	11	7	2.69	-0.01	73
DP48750	MBR003	46	48	0.021	Au-TL43	0.06	10	0.08	18	10	24	1	10	7	2.5	-0.01	74
DP48751	MBR003	48	50	0.007	Au-TL43	0.05	4	0.09	21	11	28	1	13	7	2.53	0.01	83
DP48752	MBR003	50	52	0.005	Au-TL43	0.05	4	0.08	18	10	27	1	10	8	2.26	-0.01	79
DP48753	MBR003	52	54	0.02	Au-TL43	0.1	11	0.08	21	10	25	1	10	10	1.97	-0.01	81
DP48754	MBR003	54	56	0.023	Au-TL43	0.07	9	0.09	21	9	25	1	10	8	1.71	-0.01	80
DP48755	MBR003	56	58	0.023	Au-TL43	0.07	12	0.08	19	9	23	1	10	7	2.06	-0.01	79
DP48756	MBR003	58	60	0.022	Au-TL43	0.08	12	0.09	20	9	22	1	11	8	1.57	-0.01	76
DP48757	MBR003	60	62	0.007	Au-TL43	0.05	5	0.08	19	9	20	1	10	7	1.4	-0.01	75
DP48758	MBR003	62	64	0.001	Au-TL43	0.05	4	0.08	18	9	23	1	9	6	1.45	-0.01	73
DP48759	MBR003	64	66	0.001	Au-TL43	0.05	1	0.05	19	10	22	1	10	6	1.24	-0.01	75
DP48760	MBR003	66	68	0.001	Au-TL43	0.05	2	0.06	18	9	20	1	9	5	1.3	-0.01	72
DP48761	MBR003	68	70	0.001	Au-TL43	0.05	2	0.07	18	10	27	1	10	6	1.55	-0.01	73
DP48762	MBR003	70	72	0.001	Au-TL43	0.05	3	0.08	17	10	22	1	9	6	2.36	-0.01	72
DP48763	MBR003	72	74	0.001	Au-TL43	0.05	3	0.08	17	11	22	2	10	6	1.86	-0.01	76
DP48764	MBR003	74	76	0.001	Au-TL43	0.05	2	0.07	17	13	23	3	10	6	1.75	-0.01	79
DP48765	MBR003	76	78	0.024	Au-TL43	0.08	2	0.08	18	11	24	2	10	6	1.77	-0.01	78
DP48766	MBR003	78	80	0.001	Au-TL43	0.05	4	0.05	17	9	23	1	9	6	1.96	-0.01	72
DP48767	MBR003	80	82	-0.001	Au-TL43	0.04	5	0.06	18	9	23	1	9	6	2.12	-0.01	75
DP48768	MBR004	0	2	0.027	Au-TL43	0.13	20	0.11	29	11	19	1	9	7	0.63	0.01	57
DP48769	MBR004	2	4	0.03	Au-TL43	0.04	24	0.08	18	24	25	1	22	6	0.58	-0.01	52
DP48770	MBR004	4	6	0.04	Au-TL43	0.05	28	0.08	15	28	26	1	24	6	0.73	-0.01	55
DP48771	MBR004	6	8	0.032	Au-TL43	0.06	19	0.07	14	27	27	1	19	6	0.72	-0.01	56
DP48772	MBR004	8	10	0.03	Au-TL43	0.07	13	0.09	15	28	28	1	27	7	0.81	-0.01	62
DP48773	MBR004	10	12	0.045	Au-TL43	0.16	15	0.08	16	29	31	1	26	5	0.69	-0.01	55
DP48774	MBR004	12	14	0.004	Au-TL43	0.09	3	0.07	19	40	26	1	32	6	0.87	-0.01	65
DP48775	MBR004	14	16	0.032	Au-TL43	0.13	6	0.06	18	33	28	1	29	5	0.75	-0.01	66
DP48776	MBR004	16	18	0.016	Au-TL43	0.19	9	0.03	17	16	29	-1	17	5	0.5	0.01	46
DP48777	MBR004	18	20	0.005	Au-TL43	0.16	3	0.03	16	9	24	-1	13	6	0.59	-0.01	54
DP48778	MBR004	20	22	0.015	Au-TL43	0.39	14	0.08	18	10	38	-1	12	5	0.65	0.01	58
DP48779	MBR004	22	24	0.008	Au-TL43	0.22	3	0.1	18	6	17	-1	8	6	0.76	0.01	59
DP48780	MBR004	24	26	0.003	Au-TL43	0.13	2	0.09	17	5	13	-1	7	5	0.52	-0.01	59
DP48781	MBR004	26	28	0.013	Au-TL43	0.28	8	0.13	17	4	14	-1	8	5	0.7	-0.01	63
DP48782	MBR004	28	30	0.031	Au-TL43	0.25	18	0.1	17	4	14	-1	8	4	0.5	-0.01	57
DP48783	MBR004	30	32	0.032	Au-TL43	0.19	34	0.07	17	4	12	1	7	6	0.78	-0.01	56
DP48784	MBR004	32	34	0.002	Au-TL43	0.04	3	0.23	2	4	1	2	3	13	0.52	-0.01	13
DP48785	MBR004	34	36	0.003	Au-TL43	0.03	3	0.07	1	3	1	1	2	27	0.4	-0.01	7

DP48786	MBR004	36	38	0.002	Au-TL43	0.04	2	0.09	1	3	1	1	2	22	0.38	-0.01	5
DP48787	MBR004	38	40	0.005	Au-TL43	0.02	3	0.12	1	3	1	2	2	29	0.49	-0.01	10
DP48788	MBR004	40	42	0.003	Au-TL43	0.02	4	0.19	1	3	1	2	2	19	0.51	-0.01	5
DP48789	MBR004	42	44	0.006	Au-TL43	0.02	1	0.09	1	4	1	1	2	10	0.36	-0.01	4
DP48790	MBR004	44	46	0.008	Au-TL43	0.02	1	0.08	1	4	1	1	2	15	0.38	-0.01	3
DP48791	MBR004	46	48	0.008	Au-TL43	0.01	2	0.1	-1	4	1	1	3	18	0.48	-0.01	3
DP48792	MBR004	48	50	0.011	Au-TL43	0.02	2	0.08	1	4	1	2	3	26	0.54	-0.01	5
DP48793	MBR004	50	52	0.023	Au-TL43	0.09	6	0.14	2	4	2	3	3	19	0.96	-0.01	6
DP48794	MBR004	52	54	0.137	Au-TL43	0.42	29	0.25	8	5	10	4	6	12	1.9	0.01	28
DP48795	MBR004	54	56	0.609	Au-TL43	0.6	48	0.14	13	4	17	4	8	15	3.83	0.01	50
DP48796	MBR004	56	58	0.23	Au-TL43	0.44	60	0.1	12	6	17	3	11	16	3.94	0.01	39
DP48797	MBR004	58	60	1.34	Au- AROR43	0.96	51	0.07	16	11	26	1	20	9	3.57	0.01	49
DP48798	MBR004	60	62	1.22	Au- AROR43	1.04	97	0.11	16	12	31	1	19	11	1.35	0.06	44
DP48799	MBR004	62	64	0.741	Au-TL43	0.8	80	0.1	16	10	27	1	19	10	1.12	0.02	46
DP48800	MBR004	64	66	0.108	Au-TL43	0.21	20	0.1	10	13	16	1	15	14	1.03	-0.01	33
DP48601	MBR004	66	68	0.059	Au-TL43	0.19	33	0.08	16	20	23	1	24	8	0.73	-0.01	55
DP48602	MBR004	68	70	0.055	Au-TL43	0.28	51	0.07	17	16	30	1	22	8	0.9	-0.01	54
DP48603	MBR004	70	72	0.017	Au-TL43	0.24	12	0.08	17	6	27	-1	12	7	0.71	-0.01	73
DP48604	MBR004	72	74	0.005	Au-TL43	0.17	7	0.13	20	7	24	1	14	6	0.89	-0.01	88
DP48605	MBR004	74	76	0.022	Au-TL43	0.21	10	0.13	19	7	22	1	12	8	0.83	-0.01	84
DP48606	MBR004	76	78	0.016	Au-TL43	0.44	10	0.11	17	7	33	-1	11	7	0.68	-0.01	70
DP48607	MBR004	78	79	0.117	Au-TL43	0.62	11	0.13	17	10	46	1	12	6	0.79	-0.01	68

Appendix 6

Drilling Assay Results

Amamor Range Nickel

Sample	Drillhole ID	From	To	Au ppm TL43	Au 2 ppm PGM MS23	Ag ppm	As ppm	Bi ppm	Co ppm	Co %	Cr ppm	Cu ppm	Mo ppm	Ni ppm	Ni %	Pb ppm	Pd ppm	Pt ppm	S ppm	Sb ppm	Te ppm	Zn ppm
DD1213	ARD01	0	2	-0.001	0.001	0.01	12	0.04	93		2090	2	1	2020		2	0.006	0.0071	100	0.12	0.01	39
DD1214	ARD01	2	4	0.001	0.001	0.01	11	0.01	77		1630	1	1	1620		2	0.006	0.0075	100	0.09	0.01	32
DD1215	ARD01	4	6	0.001	0.001	0.01	12	0.02	91		1870	2	1	1770		1	0.006	0.0066	100	0.05	0.02	33
DD1216	ARD01	6	8	-0.001	0.001	0.01	15	0.01	87		1960	2	1	1740		1	0.006	0.0063	100	0.05	0.01	36
DD1217	ARD01	8	10	-0.001	0.001	0.01	15	0.01	88		1950	2	1	1790		1	0.007	0.0069	100	0.05	0.01	53
DD1218	ARD01	10	12	-0.001	0.001	0.01	12	0.02	87		2020	1	1	1830		1	0.006	0.007	100	0.05	0.01	29
DD1219	ARD01	12	14	-0.001	0.001	0.01	16	0.02	97		2210	1	1	2200		1	0.006	0.0072	100	0.22	0.01	34
DD1220	ARD01	14	16	-0.001	0.001	0.01	13	0.01	93		2290	1	1	1970		1	0.006	0.0071	100	0.06	0.01	32
DD1221	ARD01	16	18	0.001	0.001	0.01	17	0.02	101		2390	3	1	2210		2	0.006	0.0066	100	0.07	0.01	37
DD1222	ARD01	18	20	-0.001	0.001	0.01	16	0.01	87		1700	1	1	1780		1	0.006	0.0066	100	0.06	0.01	28
DD1223	ARD01	20	22	-0.001	0.001	0.01	14	0.01	86		2000	1	1	1840		1	0.006	0.0066	100	0.05	0.01	43
DD1224	ARD01	22	24	-0.001	0.001	0.01	8	0.01	91		1920	2	1	1720		1	0.006	0.007	100	0.05	0.01	43
DD1225	ARD01	24	26	-0.001	0.001	0.01	5	0.01	86		1910	1	1	1750		1	0.005	0.0058	100	0.05	0.01	32
DD1226	ARD01	26	28	-0.001	0.001	0.01	9	0.01	82		1730	1	1	1660		1	0.005	0.0064	100	0.05	0.01	31
DD1227	ARD01	28	30	-0.001	0.001	0.01	33	0.04	91		2050	1	1	1810		1	0.006	0.0066	200	0.25	0.01	30
DD1228	ARD01	30	32	-0.001	0.001	0.01	26	0.03	79		1720	1	1	1590		1	0.005	0.0059	400	0.14	0.01	27
DD1229	ARD01	32	34	-0.001	0.001	0.01	37	0.04	82		1760	1	1	1580		1	0.005	0.0059	400	0.23	0.02	24
DD1230	ARD01	34	36	-0.001	0.001	0.01	6	0.01	76		1570	1	1	1440		1	0.005	0.0058	400	0.05	0.01	22
DD1231	ARD01	36	38	-0.001	0.001	0.01	5	0.01	81		1640	1	1	1650		1	0.003	0.0049	600	0.05	0.02	20
DD1232	ARD01	38	40	-0.001	0.001	0.01	6	0.01	80		1620	1	1	1670		1	0.005	0.0074	700	0.08	0.02	21
DD1233	ARD01	40	42	-0.001	0.001	0.01	12	0.02	83		1550	1	1	1650		1	0.002	0.0043	600	0.06	0.01	21
DD1234	ARD01	42	44	-0.001	0.001	0.01	8	0.01	84		1540	1	1	1710		1	0.003	0.0052	500	0.05	0.02	22
DD1235	ARD01	44	46	-0.001	0.001	0.01	5	0.01	80		1520	1	1	1630		1	0.002	0.0046	600	0.05	0.01	28
DD1236	ARD01	46	48	0.001	0.001	0.01	7	0.01	83		1590	1	1	1740		1	0.002	0.0051	700	0.07	0.01	26
DD1237	ARD01	48	50	0.002	0.001	0.01	12	0.01	87		1610	1	1	1790		1	0.002	0.0047	500	0.08	0.01	30
DD1238	ARD01	50	52	0.003	0.001	0.01	22	0.01	86		1540	1	1	1720		1	0.003	0.0047	600	0.05	0.04	28
DD1239	ARD01	52	54	0.001	0.001	0.01	45	0.03	90		1630	1	1	1860		1	0.003	0.005	1000	0.15	0.02	28

Sample	Drillhole ID	From	To	Au ppm TL43	Au 2 ppm PGM MS23	Ag ppm	As ppm	Bi ppm	Co ppm	Co %	Cr ppm	Cu ppm	Mo ppm	Ni ppm	Ni %	Pb ppm	Pd ppm	Pt ppm	S ppm	Sb ppm	Te ppm	Zn ppm
DD1240	ARD01	54	56	0.002	0.001	0.01	66	0.02	104		1660	2	1	2120		1	0.002	0.0053	1100	0.05	0.02	26
DD1241	ARD01	56	58	0.001	0.002	0.01	67	0.03	83		1310	5	1	1710		1	0.002	0.0052	700	0.07	0.01	24
DD1242	ARD01	58	60	0.001	0.004	0.01	61	0.04	84		1190	9	1	1700		1	0.002	0.0049	600	0.05	0.02	28
DD1243	ARD01	60	62	0.001	0.001	0.01	81	0.02	80		1220	3	1	1550		2	0.001	0.0043	400	0.07	0.01	30
DD1244	ARD01	62	64	0.001	0.001	0.01	95	0.04	84		1420	3	1	1720		2	0.001	0.0047	500	0.18	0.01	28
DD1245	ARD01	64	66	0.001	0.001	0.02	76	0.04	82		1400	3	1	1650		1	0.002	0.0049	400	0.29	0.01	29
DD1246	ARD01	66	68	0.002	0.001	0.01	69	0.03	82		1340	3	1	1680		1	0.002	0.0047	400	0.37	0.03	34
DD1247	ARD01	68	70	0.009	0.001	0.01	52	0.01	83		1440	3	1	1720		1	0.002	0.005	500	0.08	0.05	28
DD1248	ARD01	70	72	0.005	0.001	0.01	53	0.01	93		1400	3	1	1870		1	0.002	0.0048	700	0.09	0.02	33
DD1249	ARD01	72	74	0.006	0.001	0.01	53	0.01	85	0.01	1220	2	1	1680	0.213	1	0.002	0.0049	1300	0.42	0.04	27
DD1250	ARD01	74	76	0.004	0.002	0.01	54	0.05	81		1250	2	1	1540		1	0.003	0.0044	1600	0.29	0.04	27
DD1251	ARD01	76	78	0.006	0.004	0.01	96	0.19	87		1190	4	1	1830		1	0.004	0.0055	3200	1	0.02	25
DD1252	ARD01	78	80	0.006	0.005	0.03	113	0.85	77		1000	33	1	1600		1	0.003	0.0049	1700	0.43	0.01	26
DD1253	ARD01	80	82	0.007	0.01	0.04	111	0.41	88		707	35	1	1740		1	0.004	0.008	1200	0.28	0.01	27
DD1254	ARD01	82	84	0.009	0.005	0.02	159	0.34	88		735	39	1	1830		1	0.007	0.0058	1200	0.88	0.05	30
DD1255	ARD01	84	86	0.011	0.007	0.02	160	0.3	86		848	47	1	1780		1	0.003	0.0044	1300	0.69	0.06	29
DD1256	ARD01	86	88	0.014	0.006	0.01	178	0.13	87		815	15	1	1700		1	0.005	0.0059	800	0.18	0.08	25
DD1257	ARD01	88	90	0.012	0.006	0.01	146	0.12	84		656	9	1	1700		2	0.002	0.0045	700	0.38	0.09	24
DD1258	ARD01	90	92	0.01	0.008	0.02	186	0.09	86		645	12	1	1730		2	0.003	0.0049	1100	1.44	0.12	23
DD1259	ARD01	92	94	0.005	0.01	0.01	196	0.14	95		1040	9	1	1900		2	0.004	0.0054	1300	0.99	0.15	26
DD1260	ARD01	94	96	0.007	0.012	0.02	185	0.12	89	0.01	1100	18	1	1730	0.215	2	0.004	0.0057	1700	1.21	0.15	29
DD1261	ARD01	96	98	0.005	0.015	0.01	236	0.12	75	0.01	841	10	1	1500	0.204	2	0.004	0.0047	1900	0.13	0.13	28
DD1262	ARD01	98	100	0.009	0.01	0.01	219	0.14	78	0.011	846	13	1	1650	0.235	1	0.002	0.0042	2300	0.36	0.11	26
DD1263	ARD01	100	102	0.007	0.005	0.01	389	0.09	85	0.009	671	15	1	1650	0.202	1	0.004	0.0054	2700	0.68	0.11	21
DD1264	ARD01	102	104	0.005	0.013	0.02	494	0.23	88	0.009	558	21	1	1790	0.155	1	0.003	0.0054	4400	0.57	0.07	23
DD1265	ARD01	104	106	0.005	0.014	0.05	267	0.2	86	0.009	588	44	1	1780	0.141	3	0.004	0.0091	3300	0.19	0.08	28
DD1266	ARD01	106	108	0.003	0.018	0.06	178	0.44	95	0.009	644	99	1	1980	0.173	5	0.004	0.0099	3400	0.18	0.09	25

Sample	Drillhole ID	From	To	Au ppm TL43	Au 2 ppm PGM MS23	Ag ppm	As ppm	Bi ppm	Co ppm	Co %	Cr ppm	Cu ppm	Mo ppm	Ni ppm	Ni %	Pb ppm	Pd ppm	Pt ppm	S ppm	Sb ppm	Te ppm	Zn ppm
DD1267	ARD01	108	110	0.003	0.011	0.09	143	0.31	84	0.009	751	102	1	1720	0.177	10	0.007	0.0072	3500	0.17	0.03	30
DD1268	ARD01	110	112	0.002	0.006	0.12	98	0.31	74	0.009	902	80	1	1250	0.205	2	0.002	0.0032	2100	0.75	0.02	26
DD1269	ARD01	112	114	0.002	0.012	0.21	87	0.29	72	0.009	936	68	1	1170	0.204	2	0.005	0.0084	2300	1.06	0.02	25
DD1270	ARD01	114	116	0.001	0.013	0.04	160	0.13	79	0.009	815	44	1	1400	0.208	1	0.007	0.0097	8400	1.34	0.01	26
DD1271	ARD01	116	118	0.002	0.015	0.03	140	0.39	74		760	42	1	1480		1	0.007	0.0102	3100	0.67	0.01	24
DD1272	ARD01	118	120	0.001	0.004	0.03	105	0.08	83		741	22	1	1660		1	0.002	0.0046	1900	0.29	0.02	22
DD1273	ARD01	120	122	0.002	0.003	0.04	42	0.13	82		1160	17	1	1640		2	0.003	0.0056	1000	0.21	0.02	20
DD1274	ARD01	122	124	0.003	0.004	0.02	37	0.24	77		1140	5	1	1650		6	0.003	0.0056	1000	0.77	0.02	21
DD1275	ARD01	124	126	0.002	0.002	0.01	52	0.09	82		1330	8	1	1680		1	0.004	0.0053	1000	0.28	0.02	24
DD1276	ARD01	126	128	0.007	0.001	0.01	40	0.14	88		1470	5	1	1750		2	0.003	0.0048	900	0.39	0.01	23
DD1277	ARD01	128	130	0.002	0.001	0.02	57	0.44	81		1610	10	1	1750		5	0.004	0.0055	1100	0.24	0.01	23
DD1278	ARD01	130	132	0.001	0.003	0.02	82	2.37	83		1570	3	1	1730		2	0.005	0.0055	1000	0.81	0.01	26
DD1279	ARD01	132	134	0.001	0.001	0.01	81	0.18	85		1550	5	1	1690		1	0.005	0.0054	1000	0.25	0.01	23
DD1280	ARD01	134	136	-0.001	0.006	0.01	64	0.22	91		1530	11	1	1740		1	0.004	0.0046	1000	0.38	0.01	25
DD1281	ARD01	136	138	0.001	0.002	0.03	47	0.22	87		1650	2	1	1740		2	0.004	0.0052	900	0.23	0.01	26
DD1282	ARD01	138	140	0.001	0.001	0.01	28	0.17	87		1670	2	1	1730		1	0.005	0.0055	900	0.16	0.02	28
DD1283	ARD01	140	142	-0.001	0.001	0.01	23	0.38	86		1650	2	1	1760		2	0.004	0.0051	1000	0.07	0.01	28
DD1284	ARD01	142	144	-0.001	0.001	0.02	26	0.15	84		1660	2	1	1670		5	0.004	0.0053	900	0.05	0.01	26
DD1285	ARD01	144	146	-0.001	0.001	0.02	15	0.12	82		1540	5	1	1610		2	0.004	0.0049	900	0.5	0.01	26
DD1286	ARD01	146	148	-0.001	0.001	0.01	12	0.13	81		1600	4	1	1610		2	0.004	0.0052	700	0.29	0.01	23
DD1287	ARD01	148	150	-0.001	0.001	0.01	6	0.09	82		1630	3	1	1560		2	0.004	0.0051	600	0.05	0.01	24
DD1288	ARD01	150	152	-0.001	0.001	0.01	4	0.08	79		1560	2	1	1560		2	0.005	0.0054	600	0.05	0.01	27
DD1289	ARD01	152	154	-0.001	0.001	0.01	2	0.05	76		1510	1	1	1470		2	0.005	0.0057	600	0.1	0.03	24
DD1290	ARD01	154	156	-0.001	0.001	0.01	3	0.05	77		1560	2	1	1560		2	0.004	0.0054	600	0.08	0.01	28
DD1291	ARD01	156	158	-0.001	0.001	0.02	2	0.04	73		1620	1	1	1470		2	0.004	0.0053	500	0.07	0.03	24
DD1292	ARD01	158	160	-0.001	0.001	0.01	2	0.02	78		1610	1	1	1540		1	0.004	0.005	500	0.05	0.02	24
DD1293	ARD01	160	162	-0.001	0.001	0.01	1	0.02	79		1680	1	1	1530		1	0.005	0.0058	300	0.05	0.02	25

Sample	Drillhole ID	From	To	Au ppm TL43	Au 2 ppm PGM MS23	Ag ppm	As ppm	Bi ppm	Co ppm	Co %	Cr ppm	Cu ppm	Mo ppm	Ni ppm	Ni %	Pb ppm	Pd ppm	Pt ppm	S ppm	Sb ppm	Te ppm	Zn ppm
DD1294	ARD01	162	164	-0.001	0.001	0.02	2	0.02	83		1620	1	1	1610		1	0.004	0.0053	400	0.05	0.01	23
DD1295	ARD01	164	166	-0.001	0.001	0.01	2	0.02	86		1390	1	1	1670		1	0.004	0.0054	400	0.05	0.03	36
DD1296	ARD01	166	168	0.001	0.001	0.01	3	0.03	83		1600	1	1	1650		1	0.005	0.0052	500	0.05	0.02	27
DD1297	ARD01	168	170	0.001	0.001	0.01	10	0.23	84		1570	1	1	1670		1	0.002	0.0047	600	0.06	0.02	26
DD1298	ARD01	170	172	0.001	0.001	0.01	8	0.02	83		1580	1	1	1670		1	0.002	0.0049	700	0.07	0.01	28
DD1299	ARD01	172	174	0.001	0.001	0.01	16	0.04	74		1220	1	1	1550		1	0.002	0.0048	900	0.15	0.01	27
DD1300	ARD01	174	176	-0.001	0.001	0.04	13	0.53	64		968	20	2	1270		2	0.002	0.0035	1000	0.23	0.02	28
DD2560	ARD01	176	178	0.001	0.001	0.02	24	0.06	81		1440	2	1	1630		1	0.003	0.0045	900	0.09	0.03	32
DD2561	ARD01	178	180	0.001	0.001	0.02	15	0.02	82		1610	1	1	1670		1	0.001	0.004	800	0.05	0.01	24
DD2562	ARD01	180	182	-0.001	0.002	0.02	8	0.03	87		1710	1	1	1670		1	0.003	0.0051	700	0.05	0.02	31
DD2563	ARD01	182	184	0.001	0.001	0.02	21	0.08	82		1680	1	1	1600		4	0.003	0.005	700	0.08	0.02	36
DD2564	ARD01	184	186	0.001	0.003	0.03	104	0.7	77		1580	2	1	1570		5	0.003	0.0051	800	0.11	0.02	37
DD2565	ARD01	186	188	-0.001	0.001	0.03	106	1.85	78		1290	27	1	1280		1	0.004	0.0044	500	0.87	0.01	34
DD2566	ARD01	188	190	-0.001	0.001	0.02	21	0.15	75		1510	2	1	1510		1	0.004	0.0056	500	0.14	0.01	30
DD2567	ARD01	190	192	-0.001	0.001	0.02	16	0.04	86		1750	1	1	1660		1	0.003	0.0036	600	0.05	0.01	38
DD2568	ARD01	192	194	0.001	0.001	0.02	22	0.18	80		1660	1	1	1540		1	0.002	0.0045	400	0.05	0.02	38
DD2569	ARD01	194	196	0.001	0.001	0.03	34	0.06	81		1530	1	1	1570		2	0.002	0.0045	500	0.06	0.01	33
DD2570	ARD01	196	198	0.001	0.001	0.02	37	0.26	83		1480	4	1	1520		1	0.002	0.0048	500	0.05	0.02	30
DD2571	ARD01	198	200	0.001	0.001	0.02	15	0.04	76		1320	1	1	1470		7	0.002	0.0042	500	0.05	0.01	41
DD2572	ARD02	0	2	0.001	0.001	0.02	5	0.01	86		1660	29	1	1660		2	0.004	0.0064	100	0.05	0.01	37
DD2573	ARD02	2	4	0.001	0.001	0.03	5	0.01	91		1670	48	1	1660		1	0.004	0.0061	100	0.05	0.01	35
DD2574	ARD02	4	6	-0.001	0.001	0.03	3	0.01	68		1250	55	1	1220		1	0.002	0.0031	100	0.05	0.01	35
DD2575	ARD02	6	8	0.002	0.001	0.02	5	0.03	73		1450	26	1	1330		1	0.003	0.0042	300	0.05	0.01	31
DD2576	ARD02	8	10	0.002	0.001	0.03	3	0.01	60		944	31	1	960		2	0.002	0.0032	100	0.05	0.01	32
DD2577	ARD02	10	12	0.002	0.001	0.03	2	0.01	61		1030	23	1	1040		1	0.002	0.0037	100	0.05	0.01	33
DD2578	ARD02	12	14	0.001	0.001	0.02	2	0.01	76		1160	17	1	1350		1	0.003	0.0042	400	0.05	0.01	33
DD2579	ARD02	14	16	0.001	0.001	0.02	7	0.01	60		989	30	1	1070		1	0.003	0.0054	200	0.05	0.01	39

Sample	Drillhole ID	From	To	Au ppm TL43	Au 2 ppm PGM MS23	Ag ppm	As ppm	Bi ppm	Co ppm	Co %	Cr ppm	Cu ppm	Mo ppm	Ni ppm	Ni %	Pb ppm	Pd ppm	Pt ppm	S ppm	Sb ppm	Te ppm	Zn ppm
DD2580	ARD02	16	18	0.001	0.001	0.02	4	0.01	84		1310	8	1	1530		1	0.005	0.0063	500	0.05	0.01	36
DD2581	ARD02	18	20	0.001	0.002	0.02	3	0.01	76		1290	14	1	1390		1	0.004	0.005	400	0.05	0.02	40
DD2582	ARD02	20	22	0.001	0.001	0.01	2	0.01	79		1320	6	1	1480		1	0.004	0.0055	500	0.05	0.02	35
DD2583	ARD02	22	24	0.001	0.001	0.02	6	0.01	85		1540	11	1	1560		1	0.005	0.0062	500	0.05	0.02	36
DD2584	ARD02	24	26	-0.001	0.001	0.02	8	0.01	90		1580	20	1	1630		1	0.006	0.0081	800	0.05	0.02	33
DD2585	ARD02	26	28	-0.001	0.001	0.02	3	0.01	70		1150	32	1	1220		1	0.004	0.0048	900	0.06	0.01	37
DD2586	ARD02	28	30	-0.001	0.001	0.02	4	0.01	75		1210	16	1	1310		1	0.004	0.0052	1200	0.05	0.02	40
DD2587	ARD02	30	32	-0.001	0.001	0.02	5	0.01	85		1350	20	1	1510		1	0.004	0.0059	1300	0.05	0.02	45
DD2588	ARD02	32	34	-0.001	0.001	0.02	4	0.01	76		1200	22	1	1330		1	0.004	0.0055	1200	0.05	0.02	38
DD2589	ARD02	34	36	-0.001	0.001	0.02	2	0.01	81		1270	24	1	1420		1	0.005	0.0059	1100	0.05	0.01	60
DD2590	ARD02	36	38	0.001	0.001	0.02	3	0.01	77		1200	26	1	1360		3	0.004	0.0052	1300	0.05	0.01	86
DD2591	ARD02	38	40	0.001	0.001	0.05	14	0.01	76		1120	22	1	1290		1	0.004	0.0049	1400	0.1	0.01	927
DD2592	ARD02	40	42	0.001	0.001	0.04	40	0.01	77		1210	25	1	1340		1	0.004	0.0055	1700	0.06	0.02	492
DD2593	ARD02	42	44	0.001	0.001	0.03	4	0.01	74		1110	25	1	1330		1	0.004	0.0052	2200	0.07	0.01	46
DD2594	ARD02	44	46	0.001	0.001	0.09	13	0.01	49		647	46	1	721		4	0.002	0.0027	800	0.14	0.01	68
DD2595	ARD02	46	48	0.001	0.001	0.1	22	0.02	49		727	28	1	705		6	0.002	0.0024	1200	0.25	0.01	44
DD2596	ARD02	48	50	0.001	0.001	0.83	33	2.58	46	0.011	699	77	1	519	0.21	45	0.001	0.0019	2200	0.88	0.03	42
DD2597	ARD02	50	52	0.004	0.001	0.54	13	0.74	33	0.009	539	114	1	353	0.197	17	0.001	0.0015	1500	1.09	0.37	79
DD2598	ARD02	52	54	0.003	0.001	0.07	4	0.17	32	0.012	740	20	1	543	0.186	4	0.002	0.0027	700	0.3	0.01	37
DD2599	ARD02	54	56	0.001	0.001	0.03	15	0.2	54	0.01	1190	20	1	936	0.207	2	0.002	0.0032	200	0.2	0.03	32
DD2600	ARD02	56	58	0.002	0.001	0.09	23	0.35	85	0.025	1650	10	1	1490	0.194	1	0.003	0.0045	400	0.08	0.01	37
DD2101	ARD02	58	60	-0.001	0.005	0.1	44	1.54	86	0.02	1250	66	1	1290	0.187	3	0.005	0.0056	100	0.56	0.01	34
DD2102	ARD02	60	62	-0.001	0.002	0.35	138	74.7	143		1480	933	1	1380		8	0.004	0.0051	200	1.78	0.01	39
DD2103	ARD02	62	64	-0.001	0.001	0.08	28	0.45	67		1440	24	1	1050		1	0.004	0.0041	100	1.12	0.01	30
DD2104	ARD02	64	66	-0.001	0.002	0.14	60	3.3	58		1060	94	1	1090		3	0.004	0.0041	100	0.8	0.01	33
DD2105	ARD02	66	68	0.001	0.001	0.08	13	0.7	68		1200	33	1	1160		1	0.005	0.0049	200	0.28	0.01	31
DD2106	ARD02	68	70	0.001	0.001	0.02	16	0.16	77		1560	7	1	1420		2	0.005	0.006	400	0.28	0.01	34

Sample	Drillhole ID	From	To	Au ppm TL43	Au 2 ppm PGM MS23	Ag ppm	As ppm	Bi ppm	Co ppm	Co %	Cr ppm	Cu ppm	Mo ppm	Ni ppm	Ni %	Pb ppm	Pd ppm	Pt ppm	S ppm	Sb ppm	Te ppm	Zn ppm
DD2107	ARD02	70	72	-0.001	0.001	0.02	19	0.49	87		1520	13	1	1700		1	0.003	0.0046	300	0.13	0.01	30
DD2108	ARD02	72	74	-0.001	0.001	0.02	15	0.11	69		1250	4	1	1380		3	0.004	0.0057	400	0.16	0.03	35
DD2109	ARD02	74	76	-0.001	0.001	0.01	10	0.05	81		1340	8	1	1590		1	0.004	0.0054	700	0.12	0.02	32
DD2110	ARD02	76	78	0.002	0.001	0.02	9	0.01	80		1190	9	1	1620		1	0.004	0.005	1000	0.19	0.01	36
DD2111	ARD02	78	80	-0.001	0.001	0.01	16	0.01	88		1660	6	1	1830		4	0.003	0.0045	1300	0.07	0.01	27
DD2112	ARD02	80	82	-0.001	0.001	0.01	13	0.02	81		1370	2	1	1620		1	0.003	0.0041	1000	0.08	0.02	27
DD2113	ARD02	82	84	-0.001	0.001	0.02	8	0.01	69		1390	11	1	1290		2	0.004	0.0054	600	0.19	0.01	29
DD2114	ARD02	84	86	-0.001	0.001	0.02	12	0.01	73		1530	27	1	1410		1	0.005	0.0055	600	0.09	0.01	37
DD2115	ARD02	86	88	-0.001	0.001	0.01	14	0.01	89		1860	9	1	1750		2	0.005	0.0059	800	0.05	0.01	31
DD2116	ARD02	88	90	0.001	0.001	0.01	13	0.01	86		1590	3	1	1690		2	0.004	0.0057	800	0.18	0.01	33
DD2117	ARD02	90	92	0.001	0.001	0.01	12	0.01	82		1610	6	1	1610		3	0.004	0.0057	800	0.14	0.02	32
DD2118	ARD02	92	94	0.001	0.001	0.01	15	0.01	82		1550	3	1	1550		2	0.004	0.0054	800	0.16	0.05	31
DD2119	ARD02	94	96	-0.001	0.001	0.02	32	0.01	85		1600	3	1	1770		2	0.002	0.0048	800	0.14	0.01	34
DD2120	ARD02	96	98	0.003	0.001	0.02	43	0.01	86		1660	3	1	1750		3	0.001	0.0045	700	0.19	0.03	36
DD2121	ARD02	98	100	0.005	0.001	0.02	58	0.02	82		1610	4	1	1670		2	0.001	0.0044	900	0.17	0.01	35
DD2122	ARD02	100	102	0.006	0.001	0.01	70	0.01	85		1390	4	1	1700		1	0.001	0.0048	1000	0.17	0.01	30
DD2123	ARD02	102	104	0.006	0.001	0.01	54	0.01	86		1500	2	1	1710		2	0.002	0.0045	800	0.16	0.03	37
DD2124	ARD02	104	106	0.006	0.002	0.01	93	0.01	82		1340	3	1	1680		1	0.002	0.005	900	0.16	0.1	34
DD2125	ARD02	106	108	0.022	0.005	0.01	99	0.01	89		1640	5	1	1740		1	0.001	0.0045	1000	0.05	0.24	27
DD2126	ARD02	108	110	0.031	0.001	0.01	69	0.01	77		1310	11	1	1510		1	0.001	0.0005	1800	0.12	0.1	28
DD2127	ARD02	110	112	0.01	0.001	0.03	105	0.25	73		1430	9	1	1450		2	0.001	0.0005	1000	0.06	0.03	36
DD2128	ARD02	112	114	0.003	0.006	0.03	490	0.85	76		1210	18	1	1410		2	0.004	0.0049	1200	0.99	0.07	45
DD2129	ARD02	114	116	0.002	0.035	0.03	2010	0.55	87		868	18	1	1650		2	0.006	0.0104	3800	1.75	0.05	34
DD2130	ARD02	116	118	0.002	0.046	0.1	1210	1.46	87		599	37	1	1780		2	0.004	0.0093	11300	1.04	0.01	28
DD2131	ARD02	118	120	0.001	0.021	0.2	738	5.28	109		544	70	1	1610		4	0.004	0.008	9000	3.82	0.02	25
DD2132	ARD02	120	122	0.001	0.009	0.07	342	2.35	98		641	22	1	1840		2	0.004	0.0087	5600	1.1	0.01	23
DD2133	ARD02	122	124	0.001	0.004	0.43	659	9.34	249		777	150	1	1710		9	0.002	0.0041	4800	2.91	0.01	26

Sample	Drillhole ID	From	To	Au ppm TL43	Au 2 ppm PGM MS23	Ag ppm	As ppm	Bi ppm	Co ppm	Co %	Cr ppm	Cu ppm	Mo ppm	Ni ppm	Ni %	Pb ppm	Pd ppm	Pt ppm	S ppm	Sb ppm	Te ppm	Zn ppm
DD2134	ARD02	124	126	0.001	0.003	0.24	277	5.96	178		804	100	1	1490		6	0.002	0.0047	2400	0.37	0.02	29
DD2135	ARD02	126	128	0.001	0.001	0.01	63	0.02	86		1160	4	1	1690		1	0.002	0.0045	1600	0.05	0.01	28
DD2136	ARD02	128	130	0.001	0.001	0.01	45	0.04	86		1210	2	1	1600		1	0.004	0.0052	900	0.17	0.05	26
DD2137	ARD02	130	132	0.002	0.001	0.01	36	0.03	83		1220	3	1	1650		1	0.007	0.0049	900	0.13	0.01	26
DD2138	ARD02	132	134	0.001	0.001	0.01	42	0.06	88		1200	3	1	1690		1	0.002	0.0044	900	0.28	0.01	26
DD2139	ARD02	134	136	0.001	0.001	0.02	114	8.14	82		1110	12	1	1570		2	0.003	0.0046	1800	0.37	0.02	53
DD2140	ARD02	136	138	0.002	0.001	0.01	84	0.15	85		1220	2	1	1640		1	0.003	0.0047	1200	0.26	0.01	130
DD2141	ARD02	138	140	0.001	0.002	0.01	53	0.06	90		1120	3	1	1650		1	0.002	0.0044	1000	0.21	0.02	49
DD2142	ARD02	140	142	0.001	0.001	0.01	49	0.04	85		1270	1	1	1630		1	0.003	0.0052	1000	0.05	0.01	25
DD2143	ARD02	142	144	0.001	0.001	0.02	45	0.12	85		1460	15	1	1640		1	0.003	0.0055	1200	0.13	0.01	26
DD2144	ARD02	144	146	-0.001	0.001	0.05	63	0.32	74		1320	34	1	1470		5	0.011	0.0048	1000	0.41	0.01	29
DD2145	ARD02	146	148	-0.001	0.001	0.05	50	0.24	29		392	25	1	377		21	0.002	0.0016	400	0.69	0.01	35
DD2146	ARD02	148	150	-0.001	0.001	0.07	158	0.73	69		1570	7	1	1420		11	0.005	0.0056	500	0.86	0.02	30
DD2147	ARD02	150	152	-0.001	0.001	0.01	31	0.08	76		1630	1	1	1530		1	0.005	0.006	600	0.22	0.01	35
DD2148	ARD02	152	154	0.001	0.001	0.01	5	0.03	81		1530	1	1	1590		1	0.004	0.0053	600	0.05	0.02	28
DD2149	ARD02	154	156	-0.001	0.001	0.01	7	0.05	87		1530	4	1	1650		1	0.003	0.0048	500	0.05	0.01	28
DD2150	ARD02	156	158	-0.001	0.001	0.01	7	0.03	73		1380	3	1	1440		2	0.004	0.0052	500	0.05	0.01	27
DD2151	ARD02	158	160	-0.001	0.001	0.01	12	0.06	79		1540	1	1	1470		2	0.004	0.0057	500	0.13	0.01	26
DD2152	ARD02	160	162	-0.001	0.001	0.08	39	0.13	83		1770	1	1	1600		13	0.004	0.0053	500	0.13	0.01	27
DD2153	ARD02	162	164	-0.001	0.001	0.01	9	0.03	79		1620	1	1	1530		3	0.003	0.0051	400	0.05	0.01	31
DD2154	ARD02	164	166	-0.001	0.001	0.01	4	0.03	78		1390	1	1	1440		2	0.004	0.0053	400	0.05	0.01	30
DD2155	ARD02	166	168	-0.001	0.001	0.02	3	0.02	76		1490	1	1	1420		5	0.006	0.0065	400	0.05	0.02	29
DD2156	ARD02	168	170	-0.001	0.001	0.01	2	0.01	78		1530	1	1	1460		1	0.005	0.0054	400	0.05	0.01	27
DD2157	ARD02	170	172	0.001	0.001	0.01	3	0.02	79		1610	1	1	1430		1	0.005	0.0055	700	0.08	0.01	30
DD2158	ARD02	172	174	-0.001	0.001	0.01	1	0.03	77		1560	1	1	1450		6	0.005	0.0058	800	0.05	0.01	28
DD2159	ARD02	174	176	-0.001	0.001	0.01	6	0.02	86		1780	1	1	1660		2	0.004	0.0053	900	0.05	0.02	27
DD2160	ARD02	176	178	-0.001	0.001	0.01	2	0.01	81		1620	1	1	1580		2	0.004	0.0057	700	0.05	0.01	32

Sample	Drillhole ID	From	To	Au ppm TL43	Au 2 ppm PGM MS23	Ag ppm	As ppm	Bi ppm	Co ppm	Co %	Cr ppm	Cu ppm	Mo ppm	Ni ppm	Ni %	Pb ppm	Pd ppm	Pt ppm	S ppm	Sb ppm	Te ppm	Zn ppm
DD2161	ARD02	178	180	-0.001	0.001	0.02	4	0.04	80		1590	2	1	1540		1	0.003	0.0051	600	0.05	0.01	29
DD2162	ARD02	180	182	-0.001	0.001	0.02	4	0.01	85		1660	1	1	1600		1	0.004	0.0057	600	0.05	0.07	26
DD2163	ARD02	182	184	0.001	0.001	0.01	1	0.02	81		1550	1	1	1570		2	0.004	0.0051	400	0.05	0.01	25
DD2164	ARD02	184	186	-0.001	0.001	0.01	3	0.02	80		1570	1	1	1490		2	0.005	0.0053	400	0.05	0.01	24
DD2165	ARD02	186	188	-0.001	0.001	0.25	44	14.8	78		1600	14	1	1480		11	0.004	0.0052	700	0.67	0.02	32
DD2166	ARD02	188	190	-0.001	0.001	0.02	31	0.44	79		1650	1	1	1500		2	0.004	0.0049	1100	0.73	0.02	36
DD2167	ARD02	190	192	0.001	0.001	0.15	503	3.25	78		1660	50	1	1450		5	0.004	0.0045	1700	1.35	0.02	33
DD2168	ARD02	192	194	0.001	0.001	0.02	203	0.58	76		1700	1	1	1500		1	0.004	0.0051	900	0.21	0.02	32
DD2169	ARD02	194	196	0.001	0.001	0.01	4	0.02	78		1630	1	1	1430		1	0.005	0.005	500	0.05	0.02	34
DD2170	ARD02	196	198	0.003	0.001	0.03	7	0.92	79		1700	2	1	1530		3	0.005	0.0058	600	0.05	0.02	31
DD2171	ARD02	198	200	0.001	0.001	0.04	8	0.08	88		1720	2	1	1690		8	0.004	0.0055	700	0.05	0.02	26
DD2172	ARD02	200	202	0.001	0.001	0.05	5	0.09	82		1520	3	1	1560		12	0.004	0.0055	700	0.05	0.02	23
DD2173	ARD02	202	204	0.001	0.001	0.06	5	0.12	84		1280	4	1	1680		16	0.003	0.0052	600	0.05	0.02	27
DD2174	ARD02	204	206	0.001	0.002	0.08	3	0.15	82		1500	3	1	1620		25	0.005	0.0061	600	0.05	0.02	33
DD2175	ARD02	206	208	0.001	0.001	0.08	4	0.16	85		1440	2	1	1660		9	0.006	0.0068	500	0.05	0.02	25
DD2176	ARD02	208	210	0.001	0.001	0.05	4	0.09	84		1420	2	1	1610		8	0.005	0.006	500	0.05	0.03	31
DD2177	ARD02	210	212	0.001	0.001	0.05	2	0.08	80		1370	2	1	1550		8	0.006	0.0066	400	0.05	0.02	35
DD2178	ARD02	212	214	0.001	0.001	0.07	6	0.1	82		1490	2	1	1580		9	0.006	0.0056	700	0.08	0.04	36
DD2179	ARD02	214	216	0.001	0.002	0.19	6	0.19	82		1370	6	1	1610		31	0.005	0.0065	700	0.05	0.01	32
DD2180	ARD02	216	218	0.001	0.001	0.08	5	0.14	80		1320	3	1	1510		13	0.006	0.0064	600	0.05	0.02	24
DD2181	ARD02	218	220	-0.001	0.001	0.11	4	0.17	83		1160	3	1	1670		20	0.004	0.0054	500	0.05	0.01	33
DD2182	ARD02	220	222	0.001	0.001	0.13	3	0.29	82		1220	5	1	1640		37	0.006	0.0062	500	0.05	0.01	30
DD2183	ARD02	222	224	0.001	0.001	0.08	3	0.14	96		1170	3	1	1880		15	0.002	0.0044	500	0.05	0.02	26
DD2184	ARD02	224	226	0.001	0.001	0.1	3	0.19	85		1380	7	1	1680		21	0.004	0.0052	500	0.05	0.02	27
DD2185	ARD02	226	228	0.001	0.001	0.04	1	0.13	78		1450	1	1	1570		13	0.005	0.0068	400	0.05	0.01	27
DD2186	ARD02	228	230	0.001	0.001	0.06	3	0.12	71		1250	2	1	1250		12	0.005	0.0053	700	0.15	0.02	32
DD2187	ARD02	230	232	0.001	0.001	0.1	3	0.18	79		1390	2	1	1450		18	0.006	0.0066	700	0.06	0.02	31

Sample	Drillhole ID	From	To	Au ppm TL43	Au 2 ppm PGM MS23	Ag ppm	As ppm	Bi ppm	Co ppm	Co %	Cr ppm	Cu ppm	Mo ppm	Ni ppm	Ni %	Pb ppm	Pd ppm	Pt ppm	S ppm	Sb ppm	Te ppm	Zn ppm
DD2188	ARD02	232	234	0.001	0.001	0.09	6	0.13	75		1380	1	1	1400		11	0.005	0.0054	700	0.14	0.02	26
DD2189	ARD02	234	236	0.001	0.001	0.06	3	0.12	86		1370	2	1	1600		11	0.005	0.0057	500	0.05	0.02	27
DD2190	ARD02	236	238	0.001	0.001	0.08	4	0.15	82		1400	2	1	1580		13	0.005	0.006	600	0.05	0.01	27
DD2191	ARD02	238	240	0.001	0.001	0.19	2	0.4	84		1500	4	1	1590		54	0.005	0.0059	600	0.05	0.02	32
DD2192	ARD02	240	241.2	0.001	0.001	0.09	3	0.29	84		1520	3	1	1630		27	0.005	0.0056	500	0.05	0.02	31

Appendix 7

Drill logs

Amamor Range Nickel

DRILL LOG ARD01									
Drill hole ID	From	To	Lithology	Alteration	Mineralisation	Min Intensity	Veining	Vein Orient Dip/dip direct.	Mag Susc
ARD 01	0	1	Brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, Red-brown ox. Pale cream to green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Black dendritic mt veinlets. Occasional waxy cream serp veins		2
ARD 01	1	2	Brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, Red-brown ox. Pale cream to green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Black dendritic mt veinlets. Occasional waxy cream serp veins		2
ARD 01	2	3	Brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, Red-brown ox. Pale cream to green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Black dendritic mt veinlets. Occasional waxy cream serp veins		2
ARD 01	3	4	Brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, Red-brown ox. Pale cream to green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Black dendritic mt veinlets. Occasional waxy cream serp veins		2-3
ARD 01	4	5	Brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, Red-brown ox. Pale cream to green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Black dendritic mt veinlets. Occasional waxy cream serp veins		2-3
ARD 01	5	6	Brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, Red-brown ox. Pale cream to green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Black dendritic mt veinlets. Occasional waxy cream serp veins		2-3
ARD 01	6	7	Brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, Red-brown ox. Pale cream to green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Black dendritic mt veinlets. Occasional waxy cream serp veins		2
ARD 01	7	8	Brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, Red-brown ox. Pale cream to green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Black dendritic mt veinlets. Occasional waxy cream serp veins		2
ARD 01	8	9	Brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, Red-brown ox. Pale cream to green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Black dendritic mt veinlets. Occasional waxy cream serp veins		2
ARD 01	9	10	Brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, Red-brown ox. Pale cream to green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Black dendritic mt veinlets. Occasional waxy cream serp veins		2-3
ARD 01	10	11	Brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, Red-brown ox. Pale cream to green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Black dendritic mt veinlets. Occasional waxy cream serp veins		1-2

ARD 01	11	12	Brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, Red-brown ox. Pale cream to green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Black dendritic mt veinlets. Occasional waxy cream serp veins		1-2
ARD 01	12	13	Brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, Red-brown ox. Pale cream to green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Black dendritic mt veinlets. Occasional waxy cream serp veins		2
ARD 01	13	14	Brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, Red-brown ox. Pale cream to green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Black dendritic mt veinlets. Occasional waxy cream serp veins		2
ARD 01	14	15	Brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, Red-brown ox. Pale cream to green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Black dendritic mt veinlets. Occasional waxy cream serp veins		2
ARD 01	15	16	Brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, Red-brown ox. Pale cream to green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Black dendritic mt veinlets. Occasional waxy cream serp veins		2
ARD 01	16	17	Brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, Red-brown ox. Pale cream to green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Black dendritic mt veinlets. Occasional waxy cream serp veins		2
ARD 01	17	18	Brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, Red-brown ox. Pale cream to green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Black dendritic mt veinlets. Occasional waxy cream serp veins		2
ARD 01	18	19	Brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, Red-brown ox. Pale cream to green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Black dendritic mt veinlets. Occasional waxy cream serp veins		2
ARD 01	19	20	Brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, Red-brown ox. Pale cream to green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Black dendritic mt veinlets. Occasional waxy cream serp veins		2
ARD 01	20	21	Brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, Red-brown ox. Pale cream to green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Black dendritic mt veinlets. Occasional waxy cream serp veins, CO3/green serp veinlets		2
ARD 01	21	22	Soft sandy clay material, occasional ultramafic breccias clasts. CO3/serpentine veinlets and fractures. (21.3 – 21.7)	Ox					1
ARD 01	22	23	Darker brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Variable clast size.	Serpentinised, brucite, Pale green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Occasional waxy cream serp veins, CO3/green serp veinlets		1-2
ARD 01	23	24	Darker brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets.	Serpentinised, brucite, Pale green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Occasional waxy cream serp veins, CO3/green serp veinlets		1-2

ARD 01	24	25	Darker brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets.	Serpentinised, brucite, Pale green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Occasional waxy cream serp veins, CO3/green serp veinlets		1-2
ARD 01	25	26	Darker brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets.	Serpentinised, brucite, Pale green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Occasional waxy cream serp veins, CO3/green serp veinlets		2-3
ARD 01	26	27	Darker brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets.	Serpentinised, brucite, Pale green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Occasional waxy cream serp veins, CO3/green serp veinlets		2-3
ARD 01	27	28	Darker brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets.	Serpentinised, brucite, Pale green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Waxy green picrolitic veins		2-3
ARD 01	28	29	Darker brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets.	Serpentinised, brucite, Pale green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Waxy green picrolitic veins		2-3
ARD 01	29	30	Darker brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets.	Serpentinised, brucite, Pale green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Waxy green picrolitic veins; CO3 veinlets		2-3
ARD 01	30	31	Darker brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets.	Serpentinised, brucite, Pale green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, local trace very fine sulphide	<1	Waxy green picrolitic veins; CO3 veinlets		2-3
ARD 01	31	32	Darker brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets. Decreasing clast size.	Serpentinised, brucite, Pale green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots and veinlets, fine sulphide grains ass with grey/green serp alt	1	Waxy green picrolitic veins		2-3
ARD 01	32	33	Darker brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets.	Serpentinised, brucite, Pale green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots, veinlets. Trace very fine sulphide locally	<1	Bx vein		3
ARD 01	33	34	Darker brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets.	Serpentinised, brucite, Pale green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots, veinlets. Trace very fine sulphide locally	<1	CO3/serp veins and fractures		3
ARD 01	34	35	Darker brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets.	Serpentinised, brucite, Pale green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots, veinlets. Trace very fine sulphide locally	<1	CO3/serp veins and fractures		3-4
ARD 01	35	36	Darker brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets.	Serpentinised, brucite, Pale green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots, veinlets. Trace very fine sulphide locally	<1	CO3/serp veins and fractures		3
ARD 01	36	37	Darker brown serpentinised ultramafic breccia. Black dendritic magnetite veinlets.	Serpentinised, brucite, Pale green serpentine in veins, alteration and replacement and bx infill	Magnetite fine and clots, veinlets. Trace very fine sulphide locally	<1	CO3/serp veins and fractures		2

[illegible]

ARD 01	50	51	Dark grey black f'gr serp ultramafic. Well developed net text. Sub-vert foliation/sheared text.	Serpentinised; abundant mt	Increase Mt; trace fine sulphide and locally coarse pyr on green serp fracture surfaces.	<1	mm Mt veinlets; white CO3/green serp veins/fract		3-4
ARD 01	51	52	Dark grey black f'gr serp ultramafic. Well developed net text. Sub-vert foliation/sheared text.	Serpentinised; abundant mt	Increase Mt; trace fine sulphide and locally coarse pyr on green serp fracture surfaces.	<1	mm Mt veinlets; white CO3/green serp veins/fract		3
ARD 01	52	53	Dark grey black f'gr serp ultramafic. Well developed net text. Sub-vert foliation/sheared text.	Serpentinised; abundant mt	Increase Mt; trace fine sulphide and locally coarse pyr on green serp fracture surfaces.	<1	mm Mt veinlets; white CO3/green serp veins/fract		2-3
ARD 01	53	54	Dark grey black f'gr serp ultramafic. Well developed net text. Sub-vert foliation/sheared text.	Serpentinised; abundant mt	Increase Mt; trace fine sulphide and locally coarse pyr on green serp fracture surfaces.	<1	mm Mt veinlets; white CO3/green serp veins/fract; fractured 30-40cm serp/talc veins.		2-3
ARD 01	54	55	Dark grey black f'gr serp ultramafic. Well developed net text. Sub-vert foliation/sheared text.	Serpentinised; abundant mt	Increase Mt; trace fine sulphide and locally coarse pyr on green serp fracture surfaces.	<1	white CO3 veinlets	sub horiz to 60/270 dipping	2-3
ARD 01	55	56	Dark grey black f'gr serp ultramafic. Well developed net text. Sub-vert foliation/sheared text.	Serpentinised; abundant mt	Increase Mt; trace fine sulphide and locally coarse pyr on green serp fracture surfaces.	<1	white CO3/green serp veins/fract		2
ARD 01	56	57	Dark grey black f'gr serp ultramafic. Well developed net text. Sub-vert foliation/sheared text.	Serpentinised; abundant mt	Increase Mt; trace fine sulphide and locally coarse pyr on green serp fracture surfaces.	<1	white CO3/green serp veins/fract		1-3
ARD 01	57	58	Dark grey black f'gr serp ultramafic. Well developed net text. Sub-vert foliation/sheared text.	Serpentinised; abundant mt	Increase Mt; trace fine sulphide and locally coarse pyr on green serp fracture surfaces.	<1	green picrolitic fract cross-cutting white CO3 veinlets		1-2
ARD 01	58	59	Dark grey black f'gr serp ultramafic. Well developed net text. Sub-vert foliation/sheared text.	Serpentinised; abundant mt	Increase Mt; trace fine sulphide and locally coarse pyr on green serp fracture surfaces.	<1	green picrolitic fract cross-cutting white CO3 veinlets		1-2
ARD 01	59	60	Dark grey black f'gr serp ultramafic. Well developed net text. Sub-vert foliation/sheared text.	Serpentinised; abundant mt	Increase Mt; trace fine sulphide and locally coarse pyr on green serp fracture surfaces.	<1	white CO3 fractures		1-2
ARD 01	60	61	Dark grey black f'gr serp ultramafic. Well developed net text.	Serpentinised; abundant mt	Trace fine sulphide; Mt in veinlets and ?replacement of px's	<1	white CO3 fractures/green serp selvages		1-2
ARD 01	61	62	Dark grey black f'gr serp ultramafic. Well developed net text.	Serpentinised; abundant mt	Trace fine sulphide; Mt in veinlets and ?replacement of px's	<1	white CO3 fractures/green serp selvages		2
ARD 01	62	63	Dark grey black f'gr serp ultramafic. Well developed net text.	Serpentinised; abundant mt	Trace fine sulphide; Mt in veinlets and ?replacement of px's	<1	apple green picrolitic veins, white CO3 cross fract		2-3

ARD 01	63	64	Dark grey black f'gr serp ultramafic. Well developed net text.	Serpentinised; abundant mt	Trace fine sulphide; Mt in veinlets and ?replacement of px's	<1	white CO3 fractures/green serp selvages		2-3
ARD 01	64	65	Dark grey black f'gr serp ultramafic. Well developed net text.	Serpentinised; abundant mt	Trace fine sulphide; Mt in veinlets and ?replacement of px's	<1	white CO3 fract		2
ARD 01	65	66	Dark grey black f'gr serp ultramafic. Well developed net text.	Serpentinised; abundant mt	Trace fine sulphide; Mt in veinlets and ?replacement of px's	<1	white CO3 fract		1
ARD 01	66	67	Dark grey black f'gr serp ultramafic. Well developed net text.	Serpentinised; abundant mt	Trace fine sulphide; Mt in veinlets and ?replacement of px's	<1	white CO3 fract		4
ARD 01	67	68	Dark grey black f'gr serp ultramafic. Well developed net text.	Serpentinised; abundant mt	Trace fine sulphide; Mt in veinlets and ?replacement of px's	<1	white CO3 fract		2
ARD 01	68	69	Dark grey black f'gr serp ultramafic. Well developed net text.	Serpentinised; abundant mt	Trace fine sulphide; Mt in veinlets and ?replacement of px's. Pyr ass with mt veinlets.	1	white CO3 fract		2
ARD 01	69	70	Dark grey black f'gr serp ultramafic. Well developed net text.	Serpentinised; abundant mt	Trace fine sulphide; Mt in veinlets and ?replacement of px's. Pyr ass with mt veinlets.	1	white CO3 fract		2
ARD 01	70	71	Dark grey black f'gr serp ultramafic. Well developed net text.	Serpentinised; abundant mt	Trace fine sulphide; Mt in veinlets and ?replacement of px's. Pyr ass with mt veinlets.	1	white CO3 fract		2
ARD 01	71	72	Dark grey black f'gr serp ultramafic. Well developed net text.	Serpentinised; abundant mt	Trace fine sulphide; Mt in veinlets and ?replacement of px's. Pyr ass with mt veinlets.	1	white CO3 fract		2
ARD 01	72	73	Darker grey black f'gr serp ultramafic. Well developed net text.	Serpentinised; abundant mt	Trace fine sulphide; Mt in veinlets and ?replacement of px's. Pyr ass with mt veinlets; increase fine chromite?	1	green serp/CO3 veins, increase vein thickness to mm to cm.		2
ARD 01	73	74	Darker grey black f'gr serp ultramafic. Well developed net text.	Serpentinised; abundant mt	Trace fine sulphide; Mt in veinlets and ?replacement of px's. Pyr ass with mt veinlets; increase fine chromite?	1	green serp/CO3 veins, increase vein thickness to mm to cm.		2
ARD 01	74	75	Darker grey black f'gr serp ultramafic. Well developed net text.	Serpentinised; abundant mt	Trace fine sulphide; Mt in veinlets and ?replacement of px's. Pyr ass with mt veinlets; increase fine chromite?	1	white CO3 fract		2
ARD 01	75	76	Darker grey black f'gr serp ultramafic. Well developed net text.	Serpentinised; abundant mt	Trace fine sulphide; Mt in veinlets and ?replacement of px's. Pyr ass with mt veinlets; increase fine chromite?	1	white CO3 fract		2

ARD 01	76	77	Darker grey black f'gr serp ultramafic. Well developed net text.	Serpentinised; abundant mt	Trace fine sulphide; Mt in veinlets and ?replacement of px's. Pyr ass with mt veinlets.	<1	white CO3 fract/green serp	sub-horizontal to 45/270 dipping	2-3
ARD 01	77	78	Darker grey black f'gr serp ultramafic. Well developed net text.	Serpentinised; abundant mt. Talc/clay	Trace fine sulphide; Mt in veinlets and ?replacement of px's. Pyr ass with mt veinlets.	<1	white CO3 fract/green serp		3
ARD 01	78	79	Darker grey black f'gr serp ultramafic. Well developed net text. Fault.	Serpentinised; abundant mt	Trace fine sulphide; Mt in veinlets and ?replacement of px's. Pyr ass with mt veinlets.	<1	white CO3 fract/green serp	steeply dipping fractures	2
ARD 01	79	80	Darker grey black f'gr serp ultramafic. Well developed net text.	Serpentinised; abundant mt; paler green alt (tremolite).	Trace fine sulphide; Mt in veinlets and ?replacement of px's. Pyr ass with mt veinlets.	<1	white CO3 fract/green serp		2
ARD 01	80	81	Darker grey black f'gr serp ultramafic. Well developed net text; local patchy pale green serp/tremolite, relict px.	Serpentinised; abundant mt; paler green alt talc/(tremolite).	mt + chromite, local fine sulph disseminations	<1	green picrolitic fract cross-cutting white CO3 veinlets		2
ARD 01	81	82	Darker grey black f'gr serp ultramafic. Well developed net text; increasing patchy pale green serp/tremolite, relict px.	Serpentinised; abundant mt; paler green alt talc/(tremolite).	mt + chromite, local fine sulph disseminations and associated with paler serp/trem alt	<1	white CO3 fractures; mt veinlets		2
ARD 01	82	83	Darker grey black f'gr serp ultramafic. Well developed net text; increasing patchy pale green serp/tremolite, relict px.	Serpentinised; abundant mt; paler green alt talc/(tremolite).	mt + chromite, local fine sulph disseminations and associated with paler serp/trem alt, decreasing mt	<1	white CO3 fractures; mt veinlets		2-3
ARD 01	83	84	Darker grey black f'gr serp ultramafic. Well developed net text; increasing patchy pale green serp/tremolite, relict px.	Serpentinised; abundant mt; paler green alt talc/(tremolite).	mt + chromite, local fine sulph disseminations and associated with paler serp/trem alt	<1	white CO3 fractures; mt veinlets		2-3
ARD 01	84	85	Darker grey black f'gr serp ultramafic. Well developed net text; increasing patchy pale green serp/tremolite, relict px.	Serpentinised; abundant mt; paler green alt talc/(tremolite).	mt + chromite, local fine sulph disseminations and associated with paler serp/trem alt	<1	white CO3 fractures; mt veinlets		2-3
ARD 01	85	86	Darker grey black f'gr serp ultramafic. Well developed net text; increasing patchy pale green serp/tremolite, relict px.	Serpentinised; abundant mt; paler green alt talc/(tremolite).	mt + chromite, local fine sulph disseminations and associated with paler serp/trem alt	<1	white CO3 fractures; mt veinlets		2
ARD 01	86	87	Darker grey black f'gr serp ultramafic. Well developed net text; increasing patchy pale green serp/tremolite, relict px.	Serpentinised; abundant mt; paler green alt talc/(tremolite).	mt + chromite, local fine sulph disseminations and associated with paler serp/trem alt	<1	white CO3 fractures; mt veinlets		2
ARD 01	87	88	Darker grey black f'gr serp ultramafic. Well developed net text; increasing patchy pale green serp/tremolite, relict px.	Serpentinised; abundant mt; paler green alt talc/(tremolite).	mt + chromite, local fine sulph disseminations and associated with paler serp/trem alt	<1	white CO3 fractures; mt veinlets		2
ARD 01	88	89	Darker grey black f'gr serp ultramafic. Well developed net text; increasing patchy pale green serp/tremolite, relict px.	Serpentinised; abundant mt; paler green alt talc/(tremolite).	mt + chromite, local fine sulph disseminations and associated with paler serp/trem alt	<1	white CO3 fractures; mt veinlets		2-3

ARD 01	89	90	Darker grey black fgr serp ultramafic. Well developed net text; increasing patchy pale green serp/tremolite, relict px. Increasing amount and size of pale grey to yellowish (?poikilitic) clasts.	Serpentinised; abundant mt; paler green alt talc/(tremolite).	mt + chromite, local fine sulph disseminations and associated with paler serp/trem alt. Locally coarser grains associated with picrolitic veins	<1	white CO3/green serp veins/fract	mostly steep W dip, some N dipping	1-2
ARD 01	90	91	Darker grey black fgr serp ultramafic. Well developed net text; increasing patchy pale green serp/tremolite, relict px. Increasing amount and size of pale grey to yellowish (?poikilitic) clasts.	Serpentinised; abundant mt; paler green alt talc/(tremolite).	mt + chromite, local fine sulph disseminations and associated with paler serp/trem alt. Locally coarser grains associated with picrolitic veins	<1	white CO3/green serp veins/fract	mostly steep W dip, some N dipping	1-2
ARD 01	91	92	Darker grey black fgr serp ultramafic. Well developed net text; increasing patchy pale green serp/tremolite, relict px. Increasing amount and size of pale grey to yellowish (?poikilitic) clasts.	Serpentinised; abundant mt; paler green alt talc/(tremolite).	mt + chromite, local fine sulph disseminations and associated with paler serp/trem alt. Locally coarser grains associated with picrolitic veins	<1	white CO3/green serp veins/fract		1-2
ARD 01	92	93	Darker grey black fgr serp ultramafic. Well developed net text; increasing patchy pale green serp/tremolite, relict px. Increasing amount and size of pale grey to yellowish (?poikilitic) clasts.	Serpentinised; abundant mt; paler green alt talc/(tremolite).	mt veinlets and foliations in large clasts local fine sulph disseminations and associated with paler serp/trem alt. Locally coarser grains associated with picrolitic veins	<1	white CO3/green serp veins/fract		2-3
ARD 01	93	94	Darker grey black fgr serp ultramafic. Well developed net text; increasing patchy pale green serp/tremolite, relict px. Increasing amount and size of pale grey to yellowish (?poikilitic) clasts.	Serpentinised; abundant mt; paler green alt talc/(tremolite).	mt veinlets and foliations in large clasts local fine sulph disseminations and associated with paler serp/trem alt. Locally coarser grains associated with picrolitic veins	<1	white CO3/green serp veins/fract		1-2
ARD 01	94	95	Darker grey black fgr serp ultramafic. Well developed net text; increasing patchy pale green serp/tremolite, relict px. Increasing amount and size of pale grey to yellowish (?poikilitic) clasts.	Serpentinised; abundant mt; paler green alt talc/(tremolite).	mt veinlets and foliations in large clasts local fine sulph disseminations and associated with paler serp/trem alt. Locally coarser grains associated with picrolitic veins	<1	white CO3/green serp veins/fract		2
ARD 01	95	96	Paler grey fgr serp ultramafic. Well developed net text; increasing patchy pale green serp/tremolite, relict px. Increasing amount and size of pale grey to yellowish (?poikilitic) clasts, enclosing black net textured ultramafic.	Serpentinised; abundant mt; paler green alt talc/(tremolite).	mt veinlets and foliations in large clasts local fine sulph disseminations and associated with paler serp/trem alt. Locally coarser grains associated with picrolitic veins	<1	white CO3/green serp veins/fract		2
ARD 01	96	97	Paler grey fgr serp ultramafic. Well developed net text; increasing patchy pale green serp/tremolite, relict px. Increasing amount and size of pale grey to yellowish (?poikilitic) clasts, enclosing black net textured ultramafic.	Serpentinised; abundant mt; paler green alt talc/(tremolite).	mt veinlets and foliations in large clasts local fine sulph disseminations and associated with paler serp/trem alt. Locally coarser grains associated with picrolitic veins	<1	white CO3/green serp veins/fract	60/270 dip; steep 270 to vertical	1-2

ARD 01	97	98	Paler grey fgr serp ultramafic. Well developed net text; increasing patchy pale green serp/tremolite, relict px. Increasing amount and size of pale grey to yellowish (?poikilitic) clasts, enclosing black net textured ultramafic.	Serpentinised; abundant mt; paler green alt talc/(tremolite).	mt veinlets and foliations in large clasts local fine sulph disseminations and associated with paler serp/trem alt. Locally coarser grains associated with picrolitic veins	<1	white CO3/green serp veins/fract		1-2
ARD 01	98	99	Paler grey fgr serp ultramafic. Well developed net text; increasing patchy pale green serp/tremolite, relict px. Increasing amount and size of pale grey to yellowish (?poikilitic) clasts, enclosing black net textured ultramafic.	Serpentinised; abundant mt; paler green alt talc/(tremolite).	mt veinlets and foliations in large clasts local fine sulph disseminations and associated with paler serp/trem alt. Locally coarser grains associated with picrolitic veins. Slight increase in sulphide and larger grain size	1	white CO3/green serp veins/fract		1-2
ARD 01	99	100	Paler grey fgr serp ultramafic. Well developed net text; increasing patchy pale green serp/tremolite, relict px. Increasing amount and size of pale grey to yellowish (?poikilitic) clasts.	Serpentinised; abundant mt; paler green alt talc/(tremolite).	mt veinlets and foliations in large clasts local fine sulph disseminations and associated with paler serp/trem alt. Locally coarser grains associated with picrolitic veins. Slight increase in sulphide and larger grain size	1	white CO3/green serp veins/fract		2
ARD 01	100	101	Darker grey black fgr serp ultramafic. Relict px. Large pale coloured clasts (foliated mt bands) in net textured black serp. Local pale coloured alt.	Serpentinised; abundant mt; local paler green alt talc/(tremolite).	Fine diss sulph; occasional coarser grains	<1	white CO3/green serp veins/fract	40/270; 45/270 and vertical	2
ARD 01	101	102	Darker grey black fgr serp ultramafic. Relict px. Large pale coloured clasts (foliated mt bands) in net textured black serp. Local pale coloured alt.	Serpentinised; abundant mt; local paler green alt talc/(tremolite).	Fine diss sulph; occasional coarser grains	<1	white CO3/green serp veins/fract		3
ARD 01	102	103	Darker grey black fgr serp ultramafic. Relict px. Large pale coloured clasts (foliated mt bands) in net textured black serp. Local pale coloured alt.	Serpentinised; abundant mt; local paler green alt talc/(tremolite).	Fine diss sulph; occasional coarser grains	<1	white CO3/green serp veins/fract		2-3
ARD 01	103	104	Darker grey black fgr serp ultramafic. Relict px. Large pale coloured clasts (foliated mt bands) in net textured black serp. Local pale coloured alt.	Serpentinised; abundant mt; local paler green alt talc/(tremolite).	Gradually increasing sulphide to coarser grains ass with green serp veins. Occasional sulph fractures.	1-2	white CO3/green serp veins/fract		3
ARD 01	104	105	Darker grey black fgr serp ultramafic. Relict px. Large pale coloured clasts (foliated mt bands) in net textured black serp. Local pale coloured alt.	Serpentinised; abundant mt; local paler green alt talc/(tremolite).	Gradually increasing sulphide to coarser grains ass with green serp veins. Occasional sulph fractures.	1-2	soft white CO3/serp/talc veins	80/360 to vertical (270strike)	3
ARD 01	105	106	Darker grey black fgr serp ultramafic. Relict px. Large pale coloured clasts (foliated mt bands) in net textured black serp. Local pale coloured alt. Fault-fracturing	Serpentinised; abundant mt; local paler green alt talc/(tremolite).	Gradually increasing sulphide to coarser grains ass with green serp veins. Occasional sulph fractures.	1-2	soft white CO3/serp/talc veins		2-3
ARD 01	106	107	Darker grey black fgr serp ultramafic. Relict px. Large pale coloured clasts (foliated mt bands) in net textured black serp. Local pale coloured alt. Fault-fracturing	Serpentinised; abundant mt; local paler green alt talc/(tremolite).	Gradually increasing sulphide to coarser grains ass with green serp veins. Occasional sulph fractures.	2	green serp veins	80-90/360 and to 180 (270strike)	2-3

ARD 01	107	108	Darker grey black f'gr serp ultramafic. Relict px. Large pale coloured clasts (foliated mt bands) in net textured black serp. Local pale coloured alt.	Serpentinised; abundant mt; local paler green alt talc/(tremolite).	Gradually increasing sulphide to coarser grains ass with green serp veins. Occasional sulph fractures.	2	green serp veins		2-3
ARD 01	108	109	Darker grey black f'gr serp ultramafic. Relict px. Large pale coloured clasts (foliated mt bands) in net textured black serp. Local pale coloured alt.	Serpentinised; abundant mt; local paler green alt talc/(tremolite).	Gradually increasing sulphide to coarser grains ass with green serp veins. Occasional sulph fractures.	2	green serp veins		3
ARD 01	109	110	Darker grey black f'gr serp ultramafic. Relict px. Large pale coloured clasts (foliated mt bands) in net textured black serp. Local pale coloured alt.	Serpentinised; abundant mt; local paler green alt talc/(tremolite).	Gradually increasing sulphide to coarser grains ass with green serp veins. Occasional sulph fractures.	2	green serp veins	60/210 to vert (360strike)	3
ARD 01	110	111	Darker grey black f'gr serp ultramafic. Relict px. Large pale coloured clasts (foliated mt bands) in net textured black serp. Local pale coloured alt.	Serpentinised; abundant mt; local paler green alt talc/(tremolite).	Gradually increasing sulphide to coarser grains ass with green serp veins. Occasional sulph fractures.	2	green serp veins and minor white CO3 veins		2-3
ARD 01	111	112	Darker grey black f'gr serp ultramafic. Relict px. Large pale coloured clasts (foliated mt bands) in net textured black serp. Local pale coloured alt.	Serpentinised; abundant mt; local paler green alt talc/(tremolite).	Gradually increasing sulphide to coarser grains ass with green serp veins. Occasional sulph fractures.	2	white CO3 veins		2
ARD 01	112	113	Darker grey black f'gr serp ultramafic. Relict px. Large pale coloured clasts (foliated mt bands) in net textured black serp. Local pale coloured alt.	Serpentinised; abundant mt; local paler green alt talc/(tremolite).	Gradually increasing sulphide to coarser grains ass with green serp veins. Occasional sulph fractures.	2	white CO3 veins	steep 360 to vertical	2
ARD 01	113	114	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Mottled/sheared texture	Serpentinised; abundant mt; local paler green alt talc/(tremolite).	Gradually increasing sulphide to coarser grains ass with green serp veins. Occasional sulph fractures.	2	white CO3/green serp veins/fract		2-3
ARD 01	114	115	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Mottled/sheared texture	Serpentinised; abundant mt; local paler green alt talc/(tremolite).	Gradually increasing sulphide to coarser grains ass with green serp veins. Occasional sulph fractures.	2	white CO3/green serp veins/fract		3
ARD 01	115	116	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Mottled/sheared texture	Serpentinised; abundant mt; local paler green alt talc/(tremolite).	Gradually increasing sulphide to coarser grains ass with green serp veins. Occasional sulph fractures.	2	white CO3/green serp veins/fract		3
ARD 01	116	117	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Mottled/sheared texture	Serpentinised; abundant mt; local paler green alt talc/(tremolite).	Gradually increasing sulphide to coarser grains ass with green serp veins. Occasional sulph fractures.	2-3	white CO3/green serp veins/fract	vertical to 45/270 dip	2-3
ARD 01	117	118	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Mottled/sheared texture	Serpentinised; abundant mt; local paler green alt talc/(tremolite).	Gradually increasing sulphide to coarser grains ass with green serp veins. Occasional sulph fractures.	2-3	white CO3/green serp veins/fract	45/090 dip (360strike)	2-3
ARD 01	118	119	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Mottled/sheared texture	Serpentinised; abundant mt; local paler green alt talc/(tremolite).	Gradually increasing sulphide to coarser grains ass with green serp veins. Occasional sulph fractures.	1-2	fine white CO3 cross - fract along green serp veinlets		3
ARD 01	119	120	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; abundant mt; local paler green alt talc/(tremolite).	Gradually increasing sulphide to coarser grains ass with green serp veins. Occasional sulph fractures.	1-2	white CO3/green serp veins/fract		3

ARD 01	120	121	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Gradually increasing sulphide to coarser grains ass with green serp veins. Occasional sulph fractures.	<1	white CO3 fract		3
ARD 01	121	122	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Minor fine diss sulph	<1	white CO3 fract		3-4
ARD 01	122	123	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Minor fine diss sulph	<1	network white CO3 fractures - green serp infill and crosscutting CO3 fract		2-3
ARD 01	123	124	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Minor fine diss sulph	<1	network white CO3 fractures - green serp infill and crosscutting CO3 fract		3
ARD 01	124	125	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Minor fine diss sulph	<1	white CO3 fract		2-3
ARD 01	125	126	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Minor fine diss sulph	<1	white CO3 fract		2
ARD 01	126	127	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Minor fine diss sulph	<1	white CO3 fract		2
ARD 01	127	128	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Minor fine diss sulph	<1	white CO3 fract		2
ARD 01	128	129	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Minor fine diss sulph, occasional coarser grains	<1	white CO3 fract		3
ARD 01	129	130	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Minor fine diss sulph, occasional coarser grains	1	white CO3 fract and green picrolitic veinlets and fractures		2-3
ARD 01	130	131	Highly fractured - Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Minor fine diss sulph	1	white CO3 fract and green picrolitic veinlets and fractures		2-3
ARD 01	131	132	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	white CO3 fract and green picrolitic veinlets and fractures		1-2
ARD 01	132	133	Highly fractured - Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	white CO3 fract and green picrolitic veinlets and fractures		1-2
ARD 01	133	134	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	white CO3 fract and green picrolitic veinlets and fractures		2-3

ARD 01	134	135	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	white CO3 fract and green picrolitic veinlets and fractures	horizontal	3
ARD 01	135	136	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	white CO3 fract and green picrolitic veinlets and fractures		3
ARD 01	136	137	Highly fractured - Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	white CO3 veins	80 to vertical N dipping	2-3
ARD 01	137	138	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	white CO3 fract and green picrolitic veinlets and fractures		1-2
ARD 01	138	139	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	white CO3 fract and green picrolitic veinlets and fractures		2
ARD 01	139	140	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	white CO3 fract and green picrolitic veinlets and fractures		2
ARD 01	140	141	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. More massive texture	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	increasing CO3/serp fractures		2-3
ARD 01	141	142	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	increasing CO3/serp fractures		2-3
ARD 01	142	143	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	increasing CO3/serp fractures		3
ARD 01	143	144	Fractured - Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	increasing CO3/serp fractures	60/270	3
ARD 01	144	145	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	increasing CO3/serp fractures		3
ARD 01	145	146	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	white CO3 fract and veins	45/270	2
ARD 01	146	147	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	white CO3 fract and veins		2-3
ARD 01	147	148	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	white CO3 fract and veins	70/180 and flat-lying	2-3
ARD 01	148	149	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	white CO3 fract and veins + pale green serp/talc veins		1-2
ARD 01	149	150	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	serp/CO3 veins	vert	2-3

ARD 01	150	151	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	serp/CO3 veins	vert	3-4
ARD 01	151	152	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	serp/CO3 veins	vert	3-4
ARD 01	152	153	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	serp/CO3 veins	vert	3
ARD 01	153	154	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	serp/CO3 veins	vert	3
ARD 01	154	155	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	serp/CO3 veins	vert	2-3
ARD 01	155	156	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	serp/CO3 veins	vert	3
ARD 01	156	157	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	serp/CO3 veins	vert	3
ARD 01	157	158	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph; pink metallic fine diss mineral	<1	serp/CO3 veins	vert	2-3
ARD 01	158	159	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph; pink metallic fine diss mineral	<1	serp/CO3 veins	vert	3
ARD 01	159	160	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph; pink metallic fine diss mineral	<1	serp/CO3 veins	70/180	2
ARD 01	160	161	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	CO3 fractures		2
ARD 01	161	162	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	CO3 fractures		3
ARD 01	162	163	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Large foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	CO3 fractures	60-70/270 dip to vertical	3-4
ARD 01	163	164	Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Decreasing size of foliated subrounded clasts.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	CO3 fractures		3-4
ARD 01	164	165	Fractured - Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Sheared/foliated texture.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	CO3 fractures		4
ARD 01	165	166	Fractured - Darker grey black f'gr serp ultramafic. Relict px. Local pale coloured alt. Sheared/foliated texture.	Serpentinised; mt; minor local paler green alt talc/(tremolite).	Trace fine diss sulph	<1			4
ARD 01	166	167	Fractured - Grey f'gr serp ultramafic. Relict px. Local pale coloured alt. Variably sheared/foliated texture.	Serpentinised; mt; local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	CO3 vein		2-3
ARD 01	167	168	Grey f'gr serp ultramafic. Relict px. Local pale coloured alt. Variably sheared/foliated texture.	Serpentinised; mt; local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	serp/CO3 vein	60/360 dip (270strike)	2-3

ARD 01	168	169	Grey f'gr serp ultramafic. Relict px. Local pale coloured alt. Variably sheared/foliated texture.	Serpentinised; mt; local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	CO3 vein and thin multi-directional CO3 veinlets	vertical to shallow 270dip	2
ARD 01	169	170	Grey f'gr serp ultramafic. Relict px. Local pale coloured alt. Variably sheared/foliated texture.	Serpentinised; mt; local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	thin multi-directional CO3 veinlets		2
ARD 01	170	171	Grey f'gr serp ultramafic. Relict px. Local pale coloured alt. Variably sheared/foliated texture.	Serpentinised; mt; local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	thin multi-directional CO3 veinlets		2
ARD 01	171	172	Grey f'gr serp ultramafic. Relict px. Local pale coloured alt. Variably sheared/foliated texture.	Serpentinised; mt; local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	thin multi-directional CO3 veinlets		2
ARD 01	172	173	Grey f'gr serp ultramafic. Relict px. Local pale coloured alt. Variably sheared/foliated texture.	Serpentinised; mt; local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	thin multi-directional CO3 veinlets		2
ARD 01	173	174	Grey f'gr serp ultramafic. Relict px. Local pale coloured alt. Variably sheared/foliated texture.	Serpentinised; mt; local paler green alt talc/(tremolite).	Trace fine diss sulph	<1	thin multi-directional CO3 veinlets		2-3
ARD 01	174	175	Grey f'gr serp ultramafic. Relict px. Local pale coloured alt. Variably sheared/foliated texture. 174.9 - 175.6m green/grey fx pp (andesitic) dyke, partially bx	Serpentinised; mt; local paler green alt talc/(tremolite).	black mt/sulphide (incl. chalcop) in fractures and associated with mt grains	2		60/180 dipping dyke	2
ARD 01	175	176	Grey f'gr serp ultramafic. Relict px. Local pale coloured alt. Variably sheared/foliated texture. 174.9 - 175.6m green/grey fx pp (andesitic) dyke, partially bx	serp/talc; chlorite	fine diss sulph (incl chalcop); occasional coarser grains	2			2
ARD 01	176	177	Grey f'gr serp ultramafic. Relict px. Local pale coloured alt. Variably sheared/foliated texture.	Serpentinised; mt; local paler green alt talc/(tremolite).	minor fine diss sulph	<1	white CO3/serp veinlets and fractures		2
ARD 01	177	178	Fractured - Grey f'gr serp ultramafic. Relict px. Local pale coloured alt. Variably sheared/foliated texture.	Serpentinised; mt; local paler green alt talc/(tremolite).	minor fine diss sulph	<1	white CO3/serp veinlets and fractures	horizontal to 10-20/090 dip	2-3
ARD 01	178	179	Fractured - Grey f'gr serp ultramafic. Relict px. Local pale coloured alt. Variably sheared/foliated texture. 177.6 narrow (cm) andesitic pp dyke	Serpentinised; mt; local paler green alt talc/(tremolite).	minor fine diss sulph	<1	white CO3/serp veinlets and fractures		2
ARD 01	179	180	Grey f'gr serp ultramafic. Relict px. Local pale coloured alt. Variably sheared/foliated texture.	Serpentinised; mt; local paler green alt talc/(tremolite). Chlorite	minor fine diss sulph	<1	white CO3/serp veinlets and fractures		2-3
ARD 01	180	181	Dark grey/green f'gr serp ultramafic. Local pale coloured alt. Net textured	serpentinised; talc	minor fine diss sulph	<1	white CO3/serp veinlets and fractures	50/270 and vertical	2-3
ARD 01	181	182	Dark grey/green f'gr serp ultramafic. Local pale coloured alt. Net textured	serpentinised; talc			white CO3/serp veinlets and fractures		2
ARD 01	182	183	Dark grey/green f'gr serp ultramafic. Local pale coloured alt. Net textured	serpentinised; talc				45/270	3
ARD 01	183	184	Dark grey/green f'gr serp ultramafic. Local pale coloured alt. Green net texture	serpentinised; talc			white CO3 bx vein; green serp vein	70/360 and vert	3

ARD 01	184	185	Fractured dark grey/green f'gr serp ultramafic. Local pale coloured alt. Green net texture	serpentinised; talc	very fine sulphide (pyr/minor chalco?) diss and on fracture surfaces	1	green serp veins; white CO3 fractures	vert to steep 270 dip	1-2
ARD 01	185	186	Fractured dark grey/green f'gr serp ultramafic. Local pale coloured alt. Green net texture. Green shear/fault 4cm.	serpentinised; minor talc/tremolite; orange red alteration along white fractures	very fine sulphide (pyr/minor chalco?) diss and on fracture surfaces	1			4
ARD 01	186	187	Dark green to black f'gr serp ultramafic. Minor local pale coloured alt.	serpentinised; minor talc/tremolite; orange red alteration along white fractures	very fine sulphide (pyr/minor chalco?) diss and on fracture surfaces	<1			1-3
ARD 01	187	188	Dark green to black f'gr serp ultramafic. Minor local pale coloured alt.	serpentinised; minor talc/tremolite			green serp/talc vein, CO3 bx vein	vertical to steep 180 dip	1-3
ARD 01	188	189	Dark green to black f'gr serp ultramafic. Minor local pale coloured alt.	serpentinised; minor talc/tremolite	trace very fine sulphide	<1	thick CO3/serp veins	50/180	2
ARD 01	189	190	Dark green to black f'gr serp ultramafic. Minor local pale coloured alt.	serpentinised; minor talc/tremolite	trace very fine sulphide	<1			5
ARD 01	190	191	Green/grey f'gr serp ultramafic. Sheared text, elongate clasts.	serpentinised; minor talc/tremolite	trace very fine sulphide	<1			3-5
ARD 01	191	192	Green/grey f'gr serp ultramafic. Sheared text, elongate clasts. Large f'gr grey ?dioritic clasts.	serpentinised; minor talc/tremolite					2
ARD 01	192	193	Green/grey f'gr serp ultramafic. Sheared text, elongate clasts.	serpentinised; minor talc/tremolite					2-4
ARD 01	193	194	Green/grey f'gr serp ultramafic. Sheared text, elongate clasts.	serpentinised; minor talc/tremolite					2-3
ARD 01	194	195	Green/grey f'gr serp ultramafic. Sheared text, elongate clasts.	serpentinised; minor talc/tremolite			pale green CO3/serp veins	80/360; 80/180; 80/270	3
ARD 01	195	196	Green/grey f'gr serp ultramafic. Sheared text, elongate clasts.	serpentinised; minor talc/tremolite			pale green CO3/serp veins	80/360; 80/180; 80/270	3
ARD 01	196	197	Green/grey f'gr serp ultramafic. Sheared text, elongate clasts.	serpentinised; minor talc/tremolite			pale green CO3/serp veins	80/360; 80/180; 80/270	4
ARD 01	197	198	Dark grey f'gr serp ultramafic.	serpentinised; minor talc/tremolite			pale green CO3/serp veins	80/270	3
ARD 01	198	199	Dark grey f'gr serp ultramafic. Bx associated with veining	serpentinised; minor talc/tremolite			pale green CO3/serp veins	80/270	3
ARD 01	199	200	Dark grey f'gr serp ultramafic. Bx associated with veining	serpentinised; minor talc/tremolite			pale green CO3/serp veins		3

DRILL LOG ARD02

Drill hole ID	From	To	Lithology	Alteration	Mineralisation	Min Intensity	Veining	Vein Orient Dip/dip direct.	Mag Susc
ARD02	0	1	Rocky fill						
ARD02	1	2	Rocky fill						
ARD02	2	3	Grey/green serpentinised ultramafic bx	FeOx/clay; Serp/talc/brucite	Mt fine, clots and veinlets				2-3
ARD02	3	4	Grey/green serpentinised ultramafic bx	FeOx/clay; Serp/talc/brucite	Mt fine, clots and veinlets				2-3
ARD02	4	5	Grey/green serpentinised ultramafic bx	FeOx/clay; Serp/talc/brucite	Mt fine, clots and veinlets				2-3
ARD02	5	6	Grey/green serpentinised ultramafic bx	FeOx/clay; Serp/talc/brucite	Mt fine, clots and veinlets				2-3
ARD02	6	7	Grey/green serpentinised ultramafic bx	FeOx/clay; Serp/talc/brucite	Mt fine, clots and veinlets				2-3
ARD02	7	8	Grey/green serpentinised ultramafic bx	FeOx/clay; Serp/talc/brucite	Mt fine, clots and veinlets				2-3
ARD02	8	9	Grey/green serpentinised ultramafic bx	FeOx/clay; Serp/talc/brucite	Mt fine, clots and veinlets				2-3
ARD02	9	10	Grey/green serpentinised ultramafic bx. Red brown clay band	FeOx/clay; Serp/talc/brucite	Mt fine, clots and veinlets				2-3
ARD02	10	11	Grey/green serpentinised ultramafic bx	Serp/brucite	Mt fine, clots and veinlets				2-3
ARD02	11	12	Grey/green serpentinised ultramafic bx	Serp/brucite	Mt fine, clots and veinlets				2-3
ARD02	12	13	Grey/green serpentinised ultramafic bx	Serp/brucite	Mt fine, clots and veinlets				2-3
ARD02	13	14	Grey/green serpentinised ultramafic bx	Serp/brucite	Mt fine, clots and veinlets		white CO3 fractures		2-3
ARD02	14	15	Grey/green serpentinised ultramafic bx	Serp/brucite	Mt fine, clots and veinlets. Trace fine sulphide	<1			2-3
ARD02	15	16	Grey/green serpentinised ultramafic bx - 15.5 talc/clay/serp shear	Serp/brucite	Increase mt, trace fine sulphide	<1	abundant green serp/CO3 veinlets, bx vein		2-3
ARD02	16	17	Dark grey/black serpentinised ultramafic bx.	Serp	trace fine sulphide	<1	CO3/serp veinlets		3
ARD02	17	18	Dark grey/black serpentinised ultramafic bx.	Serp	trace fine sulphide	<1	CO3/serp veinlets		2-3

ARD02	18	19	Dark grey/black serpentinised ultramafic bx.	Serp	trace fine sulphide and local coarser grains	1	CO3/serp veinlets		2-3
ARD02	19	20	Dark grey/black serpentinised ultramafic bx.	Serp			CO3/serp veinlets		2-3
ARD02	20	21	Dark grey/black serpentinised ultramafic bx.	Serp			CO3/serp veinlets and green serp veins		3
ARD02	21	22	Dark grey/black serpentinised ultramafic bx.	Serp			CO3/serp veinlets		3
ARD02	22	23	Dark grey/black serpentinised ultramafic bx.	Serp			CO3/serp veinlets		3
ARD02	23	24	Dark grey/black serpentinised ultramafic bx.	Serp			CO3/serp veinlets		3
ARD02	24	25	Dark grey/black serpentinised ultramafic bx.	Serp			CO3/serp veinlets		3-4
ARD02	25	26	Dark grey/black serpentinised ultramafic bx.	Serp			CO3/serp veinlets		3-4
ARD02	26	27	Dark grey/black serpentinised ultramafic bx. Pale coloured anastomosing bands	Serp			white CO3 fractures and green serp veins		3-4
ARD02	27	28	Dark grey/black serpentinised ultramafic bx.	Serp. Bright orange ox associated with green serp veins	occasional sulphide fractures (pyr) <mm width and associated with green serp veins	1	white CO3 fractures and green serp veins		3-4
ARD02	28	29	Dark grey/black serpentinised ultramafic bx.	Serp	occasional sulphide fractures (pyr) <mm width and associated with green serp veins	<1	minor white CO3 fractures and green serp veins		3-4
ARD02	29	30	Dark grey/black serpentinised ultramafic bx. Banded/sheared texture	Serp	occasional sulphide fractures (pyr) <mm width and associated with green serp veins	<1	minor white CO3 fractures and green serp veins		3-4
ARD02	30	31	Dark grey/black serpentinised ultramafic bx.	Serp	occasional sulphide fractures (pyr) <mm width and associated with green serp veins	<1	minor white CO3 fractures and green serp veins		3-4
ARD02	31	32	Dark grey/black serpentinised ultramafic bx.	Serp	local minor fine diss sulph	<1	minor white CO3 fractures and green serp veins		3-4

ARD02	32	33	Dark grey/black serpentinised ultramafic bx.	Serp	local minor fine diss sulph and associated with green serp veinlets	2	minor white CO3 fractures and green serp veins		3-4
ARD02	33	34	Dark grey/black serpentinised ultramafic bx.	Serp	local minor fine diss sulph	<1	minor white CO3 fractures and green serp veins		3-4
ARD02	34	35	Dark grey/black serpentinised ultramafic bx. Increase brecciation	Serp	local minor fine diss sulph	<1	minor white CO3 fractures and green serp veins		3-4
ARD02	35	36	Dark grey/black serpentinised ultramafic bx. Increase brecciation	Serp	local minor fine diss sulph	<1	minor white CO3 fractures and green serp veins		3-4
ARD02	36	37	Dark grey/black serpentinised ultramafic bx. Increase brecciation. Large (20cm pale grey rounded elongate clast.	Serp	local minor fine diss sulph	<1	minor white CO3 fractures and green serp veins		3-4
ARD02	37	38	Dark grey/black serpentinised ultramafic bx. Increase brecciation	Serp	local minor fine diss sulph	<1	minor white CO3 fractures and green serp veins		3-4
ARD02	38	39	Dark grey/black serpentinised ultramafic bx. Increase brecciation	Serp	local minor fine diss sulph	<1	minor white CO3 fractures and green serp veins		3-4
ARD02	39	40	Dark grey/black serpentinised ultramafic bx.	Serp	local minor fine diss sulph	<1	minor white CO3 fractures and green serp veins		3-4
ARD02	40	41	Dark grey/black serpentinised ultramafic bx.	Serp	local minor fine diss sulph	<1	green serp/CO3 veins		3
ARD02	41	42	Dark grey/black serpentinised ultramafic bx.	Serp	local minor fine diss sulph	<1			2-3
ARD02	42	43	Dark grey/black serpentinised ultramafic bx.	Serp	local minor fine diss sulph	<1			3

ARD02	43	44	Dark grey/black serpentinised ultramafic bx.	Serp	Local minor fine diss sulph and in black mt bands. Coarser pyr associated with serp/CO3 veins and chalco on serp fract surface	1-2			2-3
ARD02	44	45	Dark grey/black serpentinised ultramafic bx.	Serp					2-3
ARD02	45	46	Dark grey/black serpentinised ultramafic bx green chlorite/talc bands.	serp/talc/chlorite					2-3
ARD02	46	47	Coarse px gabbroic rock	chlorite/serp					2-3
ARD02	47	48	Coarse px gabbroic rock, soft dark green/grey ultramafic 48.5m	serp. talc/chlorite					2-3
ARD02	48	49	Coarse px gabbroic rock	chlorite/serp					2-3
ARD02	49	50	Coarse px gabbroic rock	chlorite/serp					2-3
ARD02	50	51	Pale grey/green mylonitic rock-stretched, aligned clasts	talc/chlorite			CO3 veining		2-3
ARD02	51	52	Pale grey/green mylonitic rock-stretched, aligned clasts	talc/chlorite			CO3 veining		2-3
ARD02	52	53	Pale grey/green mylonitic rock-stretched, aligned clasts	talc/chlorite	minor chalcop and dark brown sulph clots in CO3 veins	1	CO3 veining		2-3
ARD02	53	54	Pale grey/green mylonitic rock-stretched, aligned clasts	talc/chlorite			CO3 veining		2-3
ARD02	54	55	Pale grey/green mylonitic rock-stretched, aligned clasts. Red/brown clay band	talc/chlorite, FeOx			CO3 veining		3
ARD02	55	56	Pale grey/green mylonitic rock-stretched, aligned clasts, red/brown fractures	talc/chlorite, FeOx ?FeCO3	apple green serp in veins		CO3 veining		3-4
ARD02	56	57	Pale grey/green mylonitic rock-stretched, aligned clasts, red/brown fractures	talc/chlorite, FeOx ?FeCO3			CO3 veining		3-4
ARD02	57	58	Pale grey/green mylonitic rock-stretched, aligned clasts, red/brown fractures	talc/chlorite, FeOx ?FeCO3			CO3 veining		3-4
ARD02	58	59	Bx pale grey/green mylonitic rock-stretched, aligned clasts, red/brown fractures.	talc/chlorite, FeOx ?FeCO3			CO3 veining		3
ARD02	59	60	Pale grey/green mylonitic rock-stretched, aligned clasts, red/brown fractures	talc/chlorite, FeOx ?FeCO3			CO3 veining		2-3
ARD02	60	61	Grey/green/brown serp ultramafic bx	serp/brucite, clay			Red/brown FeOx veins. Qz replacing CO3 in		3

							veins		
ARD02	61	62	Fractured grey/green/brown serp ultramafic bx	serp/brucite, clay					2-3
ARD02	62	63	Fractured grey/green/brown serp ultramafic bx	serp/brucite, clay					2-3
ARD02	63	64	Fractured grey/green/brown serp ultramafic bx	serp/brucite, clay					2-3
ARD02	64	65	Fractured grey/green/brown serp ultramafic bx	serp/brucite, clay					3
ARD02	65	66	Fractured grey/green/brown serp ultramafic bx	serp/brucite, clay					3-4
ARD02	66	67	Fractured grey/green/brown serp ultramafic bx	serp/brucite, clay					3-4
ARD02	67	68	Fractured grey/green/brown serp ultramafic bx	serp/brucite, clay					2-3
ARD02	68	69	Fractured grey/green/brown serp ultramafic bx	serp/brucite, clay					2-3
ARD02	69	70	Fractured grey/green/brown serp ultramafic bx	serp/brucite, clay					2-4
ARD02	70	71	Fractured grey/green/brown serp ultramafic bx	serp/brucite, clay					2-3
ARD02	71	72	Dark grey banded net textured serp ultramafic bx	serp					3
ARD02	72	73	Dark grey banded net textured ultramafic bx	serp			CO3 fractures and veins		2
ARD02	73	74	Dark grey banded net textured ultramafic bx	serp, FeOx			CO3 bx vein		1-2
ARD02	74	75	Dark grey banded net textured ultramafic bx	serp			serp/CO3 veins, CO3 fractures		2-4
ARD02	75	76	Dark grey banded net textured ultramafic bx	serp					3
ARD02	76	77	Dark grey banded net textured ultramafic bx	serp					2-3
ARD02	77	78	Dark grey banded net textured ultramafic bx	serp					3-4

ARD02	78	79	Dark grey banded net textured ultramafic bx	serp						3-4
ARD02	79	80	Dark grey banded net textured ultramafic bx	serp						2-3
ARD02	80	81	Dark grey/black banded net textured ultramafic bx	serp	mt veinlets and clots, trace fine diss sulphide	<1	CO3/serp veins			2-3
ARD02	81	82	Dark grey/black banded net textured ultramafic bx	serp	mt veinlets and clots, trace fine diss sulphide	<1	CO3 fractures			3
ARD02	82	83	Dark grey/black banded net textured ultramafic bx	serp	mt veinlets and clots, trace fine diss sulphide	<1	CO3 fractures			3
ARD02	83	84	Dark grey/black banded net textured ultramafic bx	serp	mt veinlets and clots, trace fine diss sulphide	<1	CO3 fractures			2-3
ARD02	84	85	Dark grey/black banded net textured ultramafic bx	serp	mt veinlets and clots, trace fine diss sulphide and local very fine sulphide fractures	1	CO3 fractures			3-4
ARD02	85	86	Dark grey/black banded net textured ultramafic bx	serp	mt veinlets and clots, trace fine diss sulphide	<1	CO3 fractures			3-4
ARD02	86	87	Dark grey/black banded net textured ultramafic bx	serp	trace fine diss sulphide	<1	CO3 fractures			3
ARD02	87	88	Fractured red/brown colour banded net textured ultramafic bx	serp/chlorite	trace fine diss sulphide	<1	CO3 fractures			3
ARD02	88	89	Dark grey/black banded net textured ultramafic bx	serp	trace fine diss sulphide	<1	CO3 fractures			3
ARD02	89	90	Dark grey/black banded net textured ultramafic bx	serp	trace fine diss sulphide	<1	Serp/CO3 veins, CO3 fractures	60/090		2-3
ARD02	90	91	Dark grey/black banded net textured ultramafic bx	serp	trace fine diss sulphide	<1	CO3 fractures			2-3
ARD02	91	92	Dark grey/black banded net textured ultramafic bx	serp	trace fine diss sulphide	<1	CO3 fractures			2-3
ARD02	92	93	Dark grey/black banded net textured ultramafic bx	serp	trace fine diss sulphide	<1	CO3 fractures			2-3
ARD02	93	94	Dark grey/black banded net textured ultramafic bx	serp			CO3 fractures	10-20/360		2-4
ARD02	94	95	Dark grey/black banded net textured ultramafic bx	serp	trace fine diss sulphide	<1	serp/CO3 veins and fractures			2-4
ARD02	95	96	Dark grey/black banded net textured ultramafic bx	serp	trace fine diss sulphide	<1	serp/CO3 veins and fractures			3-4

ARD02	96	97	Dark grey/black banded net textured ultramafic bx	serp	trace fine diss sulphide	<1	serp/CO3 veins and fractures		3-4
ARD02	97	98	Dark grey/black banded net textured ultramafic bx	serp	trace fine diss sulphide	<1	serp/CO3 veins and fractures	70-80/270	2-3
ARD02	98	99	Dark grey/black banded net textured ultramafic bx	serp	trace fine diss sulphide	<1	serp/CO3 veins and fractures	70-80/270	3-4
ARD02	99	100	Dark grey/black banded net textured ultramafic bx	serp	trace fine diss sulphide	<1	serp/CO3 veins and fractures	70-80/270	2-3
ARD02	100	101	Dark grey/black banded net textured ultramafic bx	serp			serp/CO3 veins and fractures		2-3
ARD02	101	102	Dark grey/black banded net textured ultramafic bx	serp			serp/CO3 veins and fractures	80/180; 45/090	2-3
ARD02	102	103	Dark grey/black banded net textured ultramafic bx	serp			serp/CO3 veins and fractures		2-3
ARD02	103	104	Dark grey/black banded net textured ultramafic bx	serp			CO3 fractures		2-3
ARD02	104	105	Dark grey/black banded net textured ultramafic bx	serp			CO3 fractures		3-4
ARD02	105	106	Dark grey/black banded net textured ultramafic bx	serp	trace fine diss sulphide	<1	CO3 fractures		3-4
ARD02	106	107	Dark grey/black banded net textured ultramafic bx	serp	trace fine diss sulphide	<1	CO3 fractures		2-3
ARD02	107	108	Dark grey/black banded net textured ultramafic bx	serp	trace fine diss sulphide	<1	CO3 fractures		3-4
ARD02	108	109	Dark grey/black banded net textured ultramafic bx	serp	trace fine diss sulphide	<1	CO3 fractures		2-3
ARD02	109	110	Dark grey/black banded net textured ultramafic bx, patchy pale green/grey serp/tremolite, relict px	serp/tremolite	trace fine diss sulphide	<1	serp/CO3 veins and fractures		2-3
ARD02	110	111	Dark grey/black banded net textured ultramafic bx, patchy pale green/grey serp/tremolite, relict px	serp/tremolite	trace fine diss sulphide	<1	serp/CO3 veins and fractures	60/180	2-3
ARD02	111	112	Dark grey/black banded net textured ultramafic bx, patchy pale green/grey serp/tremolite, relict px. 60cm shear	serp/talc/chlorite	trace fine diss sulphide	<1	serp/CO3 veins and fractures		2-3

ARD02	112	113	Dark grey/black banded net textured ultramafic bx, patchy pale green/grey serp/tremolite, relict px	serp/tremolite	trace fine diss sulphide	<1	serp/CO3 veins and fractures		2-3
ARD02	113	114	Dark grey/black banded net textured ultramafic bx, patchy pale green/grey serp/tremolite, relict px	serp/tremolite	trace fine diss sulphide	<1	serp/CO3 veins and fractures		2-3
ARD02	114	115	Dark grey/black banded net textured ultramafic bx, patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide, pyr/arsenop	1	serp/CO3 veins and fractures		2-3
ARD02	115	116	Dark grey/black banded net textured ultramafic bx, patchy pale green/grey serp/tremolite, relict px	serp/tremolite	increase fine sulphide	2	serp/CO3 veins and fractures		2-3
ARD02	116	117	Dark grey/black banded net textured ultramafic bx, patchy pale green/grey serp/tremolite, relict px	serp/tremolite	increase fine sulphide	2-3	serp/CO3 veins and fractures		2
ARD02	117	118	Dark grey/black banded net textured ultramafic bx, patchy pale green/grey serp/tremolite, relict px	serp/tremolite	increase fine sulphide	2-3	serp/CO3 veins and fractures		2
ARD02	118	119	Dark grey/black banded net textured ultramafic bx, patchy pale green/grey serp/tremolite, relict px, 30cm shear	serp/tremolite, brown alt (?brucite) alt along green serp veins	increase fine sulphide	2	serp/CO3 veins and fractures		3-4
ARD02	119	120	Dark grey/black banded net textured ultramafic bx, patchy pale green/grey serp/tremolite, relict px	serp/tremolite	increase fine sulphide	2	serp/CO3 veins and fractures		3-4
ARD02	120	121	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	2			2-3
ARD02	121	122	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	2			2-3
ARD02	122	123	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	2			2-3
ARD02	123	124	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px. F'gr pale blue dyke.	serp/chlorite	coarse grey/brown associated with orange/brown veins (chalco/pyr/pink metallic mineral) and on fract surfaces	3	flat lying thick green serp veins. Red/brown CO3 veins		2-3
ARD02	124	125	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	1-2	fine CO3 fractures		2-3

ARD02	125	126	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	1-2	fine CO3 fractures		2-3
ARD02	126	127	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	1-2	fine CO3 fractures		3-4
ARD02	127	128	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	1	fine CO3 fractures		2
ARD02	128	129	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	<1	fine CO3 fractures		3-4
ARD02	129	130	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	<1	fine CO3 fractures		3-4
ARD02	130	131	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	<1	fine CO3 fractures		2-3
ARD02	131	132	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	<1	fine CO3 fractures		2-3
ARD02	132	133	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	<1	fine CO3 fractures		2
ARD02	133	134	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	<1	fine CO3 fractures		2-3
ARD02	134	135	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	<1	fine CO3 fractures and thicker green serp/CO3 veins (to 4cm)	70-80/360	2-4
ARD02	135	136	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	<1	fine CO3 fractures and thicker green serp/CO3 veins (to 4cm)		2-3

ARD02	136	137	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	<1	fine CO3 fractures and thicker green serp/CO3 veins (to 4cm)		2-3
ARD02	137	138	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	<1	fine CO3 fractures and thicker green serp/CO3 veins (to 4cm)	60/090	2-3
ARD02	138	139	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	<1	fine CO3 fractures and thicker green serp/CO3 veins (to 4cm)		2-3
ARD02	139	140	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	<1	fine CO3 fractures and thicker green serp/CO3 veins (to 4cm)		3-4
ARD02	140	141	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	<1	CO3 fractures		2-5
ARD02	141	142	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	<1	CO3 fractures		2-4
ARD02	142	143	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	<1	CO3 fractures		2-3
ARD02	143	144	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	<1	CO3 fractures		2-3
ARD02	144	145	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	fine diss sulphide	<1	increasing CO3 fractures, green serp veinlets		2

ARD02	145	146	Fgr pale grey fx pp dioritic dyke. Black ?px phenocrysts. 145.8 to 147.5m	chlorite/CO3			white CO2 veins		non-magnetic
ARD02	146	147	Fgr pale grey fx pp dioritic dyke. Black ?px phenocrysts.	chlorite/CO4			white CO2 veins		non-magnetic
ARD02	147	148	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	trace fine pyr	<1	green serp bx clasts in CO3 vein	60/090	2
ARD02	148	149	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	trace fine pyr	<1	fine white CO3 fract		2-3
ARD02	149	150	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	trace fine pyr	<1	fine white CO3 fract		2
ARD02	150	151	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	trace fine pyr	<1	fine white CO3 fract		1-2
ARD02	151	152	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	trace fine pyr	<1	fine white CO3 fract		2-3
ARD02	152	153	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	trace fine pyr	<1	fine white CO3 fract, green serp/CO3 veins	45/360	2-3
ARD02	153	154	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	trace fine pyr	<1	fine white CO3 fract		3-4
ARD02	154	155	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	trace fine pyr	<1	fine white CO3 fract		3-4
ARD02	155	156	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	trace fine pyr	<1	fine white CO3 fract		3-4
ARD02	156	157	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	trace fine pyr	<1	fine white CO3 fract, serp/CO3 veins		2-4
ARD02	157	158	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	trace fine pyr	<1	fine white CO3 fract, serp/CO3 veins		2-3

ARD02	158	159	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	trace fine pyr	<1	fine white CO3 fract, serp/CO3 veins	45/180	2-3
ARD02	159	160	Dark grey/black sheared/mottled textured ultramafic bx, (sheared clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite	trace fine pyr	<1	fine white CO3 fract, serp/CO3 veins		2-3
ARD02	160	161	Dark grey/black sheared/banded textured ultramafic bx, (pale green/grey clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite, talc	local trace fine pyr	<1	CO3 fractures		3-4
ARD02	161	162	Dark grey/black sheared/banded textured ultramafic bx, (pale green/grey clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite, talc	local trace fine pyr	<1	CO3 fractures		2
ARD02	162	163	Dark grey/black sheared/banded textured ultramafic bx, (pale green/grey clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite, talc	local trace fine pyr	<1	CO3 fractures		2-3
ARD02	163	164	Dark grey/black sheared/banded textured ultramafic bx, (pale green/grey clasts), patchy pale green/grey serp/tremolite, relict px. Fine pink/red gt	serp/tremolite, talc	local trace fine pyr	<1	CO3 fractures		2-4
ARD02	164	165	Dark grey/black sheared/banded textured ultramafic bx, (pale green/grey clasts), patchy pale green/grey serp/tremolite, relict px. Fine pink/red gt	serp/tremolite, talc	local trace fine pyr	<1	CO3 fractures		2-5
ARD02	165	166	Dark grey/black sheared/banded textured ultramafic bx, (pale green/grey clasts), patchy pale green/grey serp/tremolite, relict px. Fine pink/red gt	serp/tremolite, talc	local trace fine pyr	<1	CO3 fractures		1-2
ARD02	166	167	Dark grey/black sheared/banded textured ultramafic bx, (pale green/grey clasts), patchy pale green/grey serp/tremolite, relict px. Fine pink/red gt	serp/tremolite, talc	local trace fine pyr	<1	CO3 fractures		2-4
ARD02	167	168	Dark grey/black sheared/banded textured ultramafic bx, (pale green/grey clasts), patchy pale green/grey serp/tremolite, relict px	serp/tremolite, talc	local trace fine pyr	<1	CO3 fractures, green serp/CO3 veins	45/090	3

ARD02	168	169	Dark grey/black sheared/banded textured ultramafic bx, (pale green/grey clasts), patchy pale green/grey serp/tremolite, relict px. Fine pink/red gt	serp/tremolite, talc	local trace fine pyr	<1	CO3 fractures		2-3
ARD02	169	170	Dark grey/black sheared/banded textured ultramafic bx, (pale green/grey clasts), patchy pale green/grey serp/tremolite, relict px. Fine pink/red gt	serp/tremolite, talc	local trace fine pyr	<1	CO3 fractures		3-4
ARD02	170	171	Dark grey/black sheared/banded textured ultramafic bx, (pale green/grey clasts), patchy pale green/grey serp/tremolite, relict px. Fine pink/red gt	serp/tremolite, talc	local trace fine pyr	<1	CO3 fractures		3-4
ARD02	171	172	Dark grey/black sheared/banded textured ultramafic bx, (pale green/grey clasts), patchy pale green/grey serp/tremolite, relict px. Fine pink/red gt	serp/tremolite, talc	local trace fine pyr	<1	CO3 fractures		2-3
ARD02	172	173	Dark grey/black sheared/banded textured ultramafic bx, (pale green/grey clasts), patchy pale green/grey serp/tremolite, relict px. Fine pink/red gt	serp/tremolite, talc	local trace fine pyr	<1	CO3 fractures		2-3
ARD02	173	174	Dark grey/black sheared/banded textured ultramafic bx, angular clasts. Patchy pale green/grey serp/tremolite, relict px	serp/tremolite, talc	local trace fine pyr	<1	CO3 fractures		3
ARD02	174	175	Dark grey/black sheared/banded textured ultramafic bx, angular clasts. Patchy pale green/grey serp/tremolite, relict px	serp/tremolite, talc	local trace fine pyr	<1	CO3 fractures		3-4
ARD02	175	176	Dark grey/black sheared/banded textured ultramafic bx, angular clasts. Patchy pale green/grey serp/tremolite, relict px	serp/tremolite, talc	local trace fine pyr	<1	CO3 fractures		2
ARD02	176	177	Dark grey/black sheared/banded textured ultramafic bx, angular clasts. Patchy pale green/grey serp/tremolite, relict px	serp/tremolite, talc	local trace fine pyr	<1	CO3 fractures		2-3
ARD02	177	178	Dark grey/black sheared/banded textured ultramafic bx, angular clasts. Patchy pale green/grey serp/tremolite, relict px	serp/tremolite, talc	local trace fine pyr	<1	CO3 fractures		3
ARD02	178	179	Dark grey/black sheared/banded textured ultramafic bx, large angular clasts. Patchy pale green/grey serp/tremolite, relict px	serp/tremolite, talc	local trace fine pyr	<1	CO3 fractures		2-3

ARD02	179	180	Dark grey/black sheared/banded textured ultramafic bx, angular clasts. Patchy pale green/grey serp/tremolite, relict px	serp/tremolite, talc	local trace fine pyr and associated with mt	<1	CO3 fractures		2-3
ARD02	180	181	Dark grey/black sheared/banded textured ultramafic bx, angular clasts. Patchy pale green/grey serp/tremolite, relict px	serp/tremolite, talc	local trace fine pyr and associated with mt	<1	CO3 fractures		2-3
ARD02	181	182	Dark grey/black sheared/banded textured ultramafic bx, angular clasts. Patchy pale green/grey serp/tremolite, relict px	serp/tremolite, talc	local trace fine pyr and associated with mt	<1	CO3 fractures		2
ARD02	182	183	Dark grey/black sheared/banded textured ultramafic bx, angular clasts. Patchy pale green/grey serp/tremolite, relict px	serp/tremolite, talc	local trace fine pyr and associated with mt	<1	CO3 fractures		2-3
ARD02	183	184	Dark grey/black sheared/banded textured ultramafic bx, angular clasts. Patchy pale green/grey serp/tremolite, relict px	serp/tremolite, talc	local trace fine pyr and associated with mt	<1	CO3 fractures		2-3
ARD02	184	185	Dark grey/black sheared/banded textured ultramafic bx, angular clasts. Patchy pale green/grey serp/tremolite, relict px	serp/tremolite, talc	local trace fine pyr and associated with mt	<1	CO3 fractures		3-5
ARD02	185	186	Dark grey/black sheared/banded textured ultramafic bx, Large foliated sub-angular concentrically altered clasts <1 to 10cm size. Patchy pale green/grey serp/tremolite, relict px.	serp/tremolite, talc	local trace fine pyr and associated with mt	<1	CO3 fractures	45/270	3-5
ARD02	186	187	Dark grey/black sheared/banded textured ultramafic bx, Large foliated sub-angular concentrically altered clasts <1 to 10cm size. Patchy pale green/grey serp/tremolite, relict px.	serp/tremolite, talc	local trace fine pyr and associated with mt	<1	CO3 fractures		2-5
ARD02	187	188	Dark grey/black sheared/banded textured ultramafic bx, Large foliated sub-angular concentrically altered clasts <1 to 10cm size. Patchy pale green/grey serp/tremolite, relict px.	serp/tremolite, talc	local trace fine pyr and associated with mt	<1	CO3 fractures, to 4cm thick green serp veins	70/180	2
ARD02	188	189	Dark grey/black sheared/banded textured ultramafic bx, Large foliated sub-angular concentrically altered clasts <1 to 10cm size. Patchy pale green/grey serp/tremolite, relict px.	serp/tremolite, talc	local trace fine pyr and associated with mt and chalcop/pyr on fract surfaces	1	CO3 fractures, green serp veins	10-20/270	4-5

ARD02	189	190	Dark grey/black sheared/banded textured ultramafic bx, Large foliated sub-angular concentrically altered clasts <1 to 10cm size. Patchy pale green/grey serp/tremolite, relict px.	serp/tremolite, talc	local trace fine pyr and associated with mt	<1	CO3 fractures, green serp veins	10-20/270	2-3
ARD02	190	191	Dark grey/black sheared/banded textured ultramafic bx, Large foliated sub-angular concentrically altered clasts <1 to 10cm size. Patchy pale green/grey serp/tremolite, relict px.	serp/tremolite, talc	sulphide (pyr) associated with green serp veins	1-2	CO3 fractures		2-3
ARD02	191	192	Dark grey/black sheared/banded textured ultramafic bx, Large foliated sub-angular concentrically altered clasts <1 to 10cm size. Patchy pale green/grey serp/tremolite, relict px.	serp/tremolite, talc	sulphide (pyr) associated with green serp veins	1-2	CO3 fractures		3-5
ARD02	192	193	Dark grey/black sheared/banded textured ultramafic bx, Large foliated sub-angular concentrically altered clasts <1 to 10cm size. Patchy pale green/grey serp/tremolite, relict px.	serp/tremolite, talc	sulphide (pyr) associated with green serp veins	1-2	CO3 fractures		1-2
ARD02	193	194	Dark grey/black sheared/banded textured ultramafic bx, Large foliated sub-angular concentrically altered clasts <1 to 10cm size. Patchy pale green/grey serp/tremolite, relict px.	serp/tremolite, talc	local trace fine pyr and associated with mt	<1	CO3 fractures		2
ARD02	194	195	Dark grey/black sheared/banded textured ultramafic bx, Large foliated sub-angular concentrically altered clasts <1 to 10cm size. Patchy pale green/grey serp/tremolite, relict px.	serp/tremolite, talc	local trace fine pyr and associated with mt	<1	CO3 fractures		2-3
ARD02	195	196	Dark grey/black sheared/banded textured ultramafic bx, Large foliated sub-angular concentrically altered clasts <1 to 10cm size. Patchy pale green/grey serp/tremolite, relict px.	serp/tremolite, talc	local trace fine pyr and associated with mt	<1	CO3 fractures		3
ARD02	196	197	Dark grey/black sheared/banded textured ultramafic bx, Large foliated sub-angular concentrically altered clasts <1 to 10cm size. Patchy pale green/grey serp/tremolite, relict px.	serp/tremolite, talc	local trace fine pyr and associated with mt	<1	CO3 fractures		2-3

ARD02	197	198	Dark grey/black sheared/banded textured ultramafic bx, Large foliated sub-angular concentrically altered clasts <1 to 10cm size. Patchy pale green/grey serp/tremolite, relict px.	serp/tremolite, talc	local trace fine pyr and associated with mt	<1	CO3 fractures		2-5
ARD02	198	199	Dark grey/black sheared/banded textured ultramafic bx, Large foliated sub-angular concentrically altered clasts <1 to 10cm size. Patchy pale green/grey serp/tremolite, relict px.	serp/tremolite, talc	local trace fine pyr and associated with mt	<1	CO3 fractures		2-4
ARD02	199	200	Dark grey/black sheared/banded textured ultramafic bx, Large foliated sub-angular concentrically altered clasts <1 to 10cm size. Patchy pale green/grey serp/tremolite, relict px.	serp/tremolite, talc	local trace fine pyr and associated with mt	<1	CO3 fractures		3
ARD02	200	201	Dark grey/black sheared/banded textured ultramafic bx, Large foliated sub-angular concentrically altered clasts <1 to 10cm size. Patchy pale green/grey serp/tremolite, relict px.	serp/tremolite, talc	local trace fine pyr	<1	CO3 fractures		3
ARD02	201	202	Dark grey/black sheared ultramafic bx, Large foliated sub-angular concentrically altered clasts <1 to 10cm size. Patchy pale green/grey serp/tremolite, relict px.	serp/tremolite, talc	local trace fine pyr	<1	CO3 fractures		3
ARD02	202	203	Dark grey/black sheared ultramafic bx, Large foliated sub-angular concentrically altered clasts <1 to 10cm size. Patchy pale green/grey serp/tremolite, relict px pink/brown gt	serp/tremolite, brucite	local trace fine pyr	<1	CO3 fractures		2-3
ARD02	203	204	Dark grey/black sheared ultramafic bx, Large foliated sub-angular concentrically altered clasts <1 to 10cm size. Patchy pale green/grey serp/tremolite, relict px pink/brown gt	serp/tremolite, brucite	local trace fine pyr	<1	CO3 fractures		1-2
ARD02	204	205	Dark grey/black sheared ultramafic bx, Large foliated sub-angular concentrically altered clasts <1 to 10cm size. Patchy pale green/grey serp/tremolite, relict px pink/brown gt	serp/tremolite, brucite	local trace fine pyr	<1	CO3 fractures		3
ARD02	205	206	Mottled pyroxenite	serp/tremolite, talc			CO3 fractures		2

ARD02	206	207	Mottled pyroxenite	serp/tremolite, talc			CO3 fractures		3
ARD02	207	208	Mottled pyroxenite	serp/tremolite, talc			green serp veinlets-CO3 cross fractures		3
ARD02	208	209	Mottled pyroxenite	serp/tremolite, talc			green serp veinlets-CO3 fractures		3
ARD02	209	210	Mottled pyroxenite	serp/tremolite, talc			green serp veinlets-CO3 fractures		2-3
ARD02	210	211	Mottled pyroxenite	serp/tremolite, talc			green serp veinlets-CO3 fractures		3
ARD02	211	212	Dark grey/black sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, relict px.	serp/tremolite, talc	local very fine sulph	<1	green serp veinlets-CO3 fractures		3-5
ARD02	212	213	Dark grey/black sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, relict px.	serp/tremolite/talc	local very fine sulph	<1	green serp veinlets-CO3 fractures		3-4
ARD02	213	214	Fractured dark grey/green sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, relict px.	serp/tremolite/talc/clay	local very fine sulph	<1	green serp veinlets-CO3 fractures		2
ARD02	214	215	Fractured dark grey/green sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, relict px.	serp/tremolite/talc/clay	local very fine sulph	<1	green serp veinlets-CO3 fractures		3-5
ARD02	215	216	Fractured dark grey/green sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, relict px.	serp/tremolite/talc/clay	local very fine sulph	<1	green serp veinlets-CO3 fractures		2-3
ARD02	216	217	Fractured dark grey/green sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, relict px.	serp/tremolite/talc/clay	local very fine sulph	<1	green serp veinlets-CO3 fractures		2-4
ARD02	217	218	Mottled pyroxenite	serp/tremolite/talc			green serp veinlets-CO3 fractures		2
ARD02	218	219	Mottled pyroxenite	serp/tremolite/talc			green serp veinlets-CO3 fractures		2-3

ARD02	219	220	Mottled pyroxenite	serp/tremolite/talc			green serp veinlets- CO3 fractures		2-3
ARD02	220	221	Mottled pyroxenite	serp/tremolite/talc					2
ARD02	221	222	Mottled pyroxenite	serp/tremolite/talc					4
ARD02	222	223	Mottled pyroxenite	serp/tremolite/talc					2-3
ARD02	223	224	Mottled pyroxenite	serp/tremolite/talc					2-3
ARD02	224	225	Mottled pyroxenite	serp/tremolite/talc					2-3
ARD02	225	226	Dark grey/black sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, partially resorbed clasts	serp/tremolite/talc	Local fine diss sulph	<1	green serp veinlets, CO3 fractures	45/090	2
ARD02	226	227	Dark grey/black sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, partially resorbed clasts	serp/tremolite/talc	Local fine diss sulph	<1	green serp veinlets, CO3 fractures		3
ARD02	227	228	Dark grey/black sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, partially resorbed clasts	serp/tremolite/talc	Local fine diss sulph	<1	green serp veinlets, CO3 fractures		3
ARD02	228	229	Dark grey/black sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, large foliated m/sed clasts.	serp/tremolite/talc	Local fine diss sulph	<1	green serp veinlets, CO3 fractures		1-2
ARD02	229	230	Dark grey/black sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, large foliated m/sed clasts.	serp/tremolite/talc	Local fine diss sulph	<1	green serp veinlets, CO3 fractures		4
ARD02	230	231	Dark grey/black sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, large foliated m/sed clasts.	serp/tremolite/talc	Local fine diss sulph	<1	green serp veinlets, CO3 fractures		1-3
ARD02	231	232	Dark grey/black sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, large foliated m/sed clasts.	serp/tremolite/talc	Local fine diss sulph	<1	green serp veinlets, CO3 fractures		1-3
ARD02	232	233	Dark grey/black sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, large foliated m/sed clasts.	serp/tremolite/talc	Local fine diss sulph	<1	green serp veinlets, CO3 fractures		2
ARD02	233	234	Dark grey/black sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, large foliated m/sed clasts.	serp/tremolite/talc	Local fine diss sulph	<1	green serp veinlets, CO3 fractures		5

ARD02	234	235	Dark grey/black sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, large foliated m/sed clasts.	serp/tremolite/talc	Local fine diss sulph	<1	green serp veinlets, CO3 fractures		3-5
ARD02	235	236	Dark grey/black sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, large foliated m/sed clasts.	serp/tremolite/talc	Local fine diss sulph	<1	green serp veinlets, CO3 fractures		2
ARD02	236	237	Dark grey/black sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, large foliated m/sed clasts.	serp/tremolite/talc	Local fine diss sulph	<1	green serp veinlets, CO3 fractures		2-4
ARD02	237	238	Dark grey/black sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, large foliated m/sed clasts.	serp/tremolite/talc	Local fine diss sulph	<1	green serp veinlets, CO3 fractures		2-3
ARD02	238	239	Dark grey/black sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, large foliated m/sed clasts.	serp/tremolite/talc	Local fine diss sulph	<1	green serp veinlets, CO3 fractures		3
ARD02	239	240	Dark grey/black sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, large foliated m/sed clasts.	serp/tremolite/talc	Local fine diss sulph	<1	green serp veinlets, CO3 fractures		3
ARD02	240	241	Dark grey/black sheared ultramafic bx, minor patchy pale green/grey serp/tremolite, large foliated m/sed clasts.	serp/tremolite/talc	Local fine diss sulph	<1	green serp veinlets, CO3 fractures		4

APPENDIX 8
DRILL LOGS OF MBR 11 & 12
INCLUDING CORE PHOTOS

DGR GLOBAL LTD - PERCUSSION DRILL LOG									
Hole No: MBR11			Logged by: RG Date: 6-10-16		EPM: 15238 Prospect: Manumbar		Easting: 436700		%
Depth 133.2m RL 455 m			Azimuth: 340M Inclination: 60		Top of Ox: 13m Bottom of Ox: 19m		Northing: 7083660		
Sample	Depth (m)		Lithology Description		Alteration		Mineralisation		sulphide
	0	1	brown clay		v. weath, possibly a fault or eroded vn struc				
	1	2	brown clay, andesite chips		v. weath, possibly a fault or eroded vn struc				
	2	3	brown clay, andesite chips		v. weath, possibly a fault or eroded vn struc		qtz lag		2%
	3	4	brown clay, andesite chips		v. weath, possibly a fault or eroded vn struc				
	4	5	brown clay, andesite chips		v. weath, possibly a fault or eroded vn struc				
	5	6	brown clay, andesite chips		v. weath, possibly a fault or eroded vn struc				
	6	7	brown clay, andesite chips		v. weath, possibly a fault or eroded vn struc				
	7	8	brown clay, andesite chips		v. weath, possibly a fault or eroded vn struc		qtz lag		1%
	8	9	brown clay, andesite chips		v. weath, possibly a fault or eroded vn struc				
	9	10	brown clay, andesite chips		v. weath, possibly a fault or eroded vn struc				
	10	11	brown clay, andesite chips		v. weath, possibly a fault or eroded vn struc				
	11	12	brown clay, andesite chips		v. weath, possibly a fault or eroded vn struc				
	12	13	brown clay, andesite chips		v. weath, possibly a fault or eroded vn struc				
DP48261	13	14	grey andesite, less clay		v. weath, some chl alt				
DP48262	14	15	greenish grey andesite		mod weath, some chl alt		calc/qtz vns		5%
DP48263	15	16	greenish grey andesite		lt weath, some chl alt		calc/qtz vns		1%

DP48264	16	17	greenish grey andesite	lt weath, some chl alt	calc/qtz vns	1%
DP48265	17	18	greenish grey andesite	lt weath, some chl alt	calc/qtz vns	trace
DP48266	18	19	reddish andesite	fresh, much hematite perv alt		
	19	20	reddish andesite	fresh, much hematite perv alt		
	20	21	dk grey andesite	fresh		
	21	22	dk grey andesite	fresh	calc/qtz vns	trace
	22	23	dk grey andesite	fresh, some clay	calc/qtz vns	trace
	23	24	dk grey mudstone			
	24	25	dk grey mudstone			
	25	26	dk grey mudstone + andesite	30% clay, perv hem & chl		
	26	27	grey andesite	1% clay, perv hem & chl		
	27	28	grey andesite	5% clay, perv & chl	calc vn	trace
	28	29	grey andesite	bleaching near vn	calc vn	<1%
	29	30	grey andesite	bleaching near vn	calc vn	3%
	30	31	grey andesite	clay 10%		
	31	32	grey andesite			
	32	33	grey andesite			
	33	34	grey andesite			
	34	35	grey andesite		calc qtz vn	trace
	35	36	grey andesite		calc qtz vn	trace
	36	37	grey andesite		calc qtz vn	trace
	37	38	grey andesite	clay 2%	calc qtz vn	trace
DP48267	38	39	grey andesite		calc qtz vn	10%
	39	40	grey andesite		calc qtz vn	trace
	40	41	grey andesite			
	41	42	grey andesite			
	42	43	grey andesite			
	43	44	grey andesite			
	44	45	grey andesite			
	45	46	grey andesite		calc qtz vn	1%
	46	47	grey andesite			
	47	48	grey andesite		calc vn	5%

	48	49	grey andesite	perv hem + chl	calc vn	trace
	49	50	grey andesite	perv chl		
	50	51	grey andesite	perv chl	calc vn	trace
	51	52	grey andesite	perv chl	calc vn	trace
	52	53	grey andesite	perv chl		
	53	54	grey andesite	perv chl	calc vn	trace
	54	55	grey andesite	perv hem + chl	calc vn	trace
	55	56	grey andesite			
	56	57	andesite and rhyolite dyke			
	57	58	yellow rhyolite dyke			
	58	59	yellow rhyolite dyke			
	59	60	yellow rhyolite dyke			
	60	61	yellow rhyolite dyke			
	61	62	yellow rhyolite dyke			
	62	63	yellow rhyolite dyke			
	63	64	yellow rhyolite dyke			
	64	65	yellow rhyolite dyke			
	65	66	yellow rhyolite dyke			
	66	67	yellow rhyolite dyke			
	67	68	yellow rhyolite dyke			
	68	69	yellow rhyolite dyke			
	69	70	yellow rhyolite dyke			
	70	71	yellow rhyolite dyke			
	71	72	yellow rhyolite dyke			
	72	73	yellow rhyolite dyke			
	73	74	yellow rhyolite dyke			
	74	75	yellow rhyolite dyke			
	75	76	yellow rhyolite dyke			
	76	77	yellow rhyolite dyke			
	77	78	yellow rhyolite dyke			
	78	79	yellow rhyolite dyke			
	79	80	yellow rhyolite dyke			

	80	81	yellow rhyolite dyke			
DP48268	81	82	yellow rhyolite dyke			
DP48269	82	83	yellow rhyolite dyke + andesite		pink calcite	2%
DP48270	83	83.5	andesite		qtz calc	2%
				TO CORE, SEE PHOTOS		
DD8038	83.9	84.2				
DD8039	123.4	124				
		133. 2	EOH			



MBR 11 - 83m to 94m



MBR 11 - 91m to 94m



MBR 11 - 103m to 113m



MBR 11 - 113m to 124m

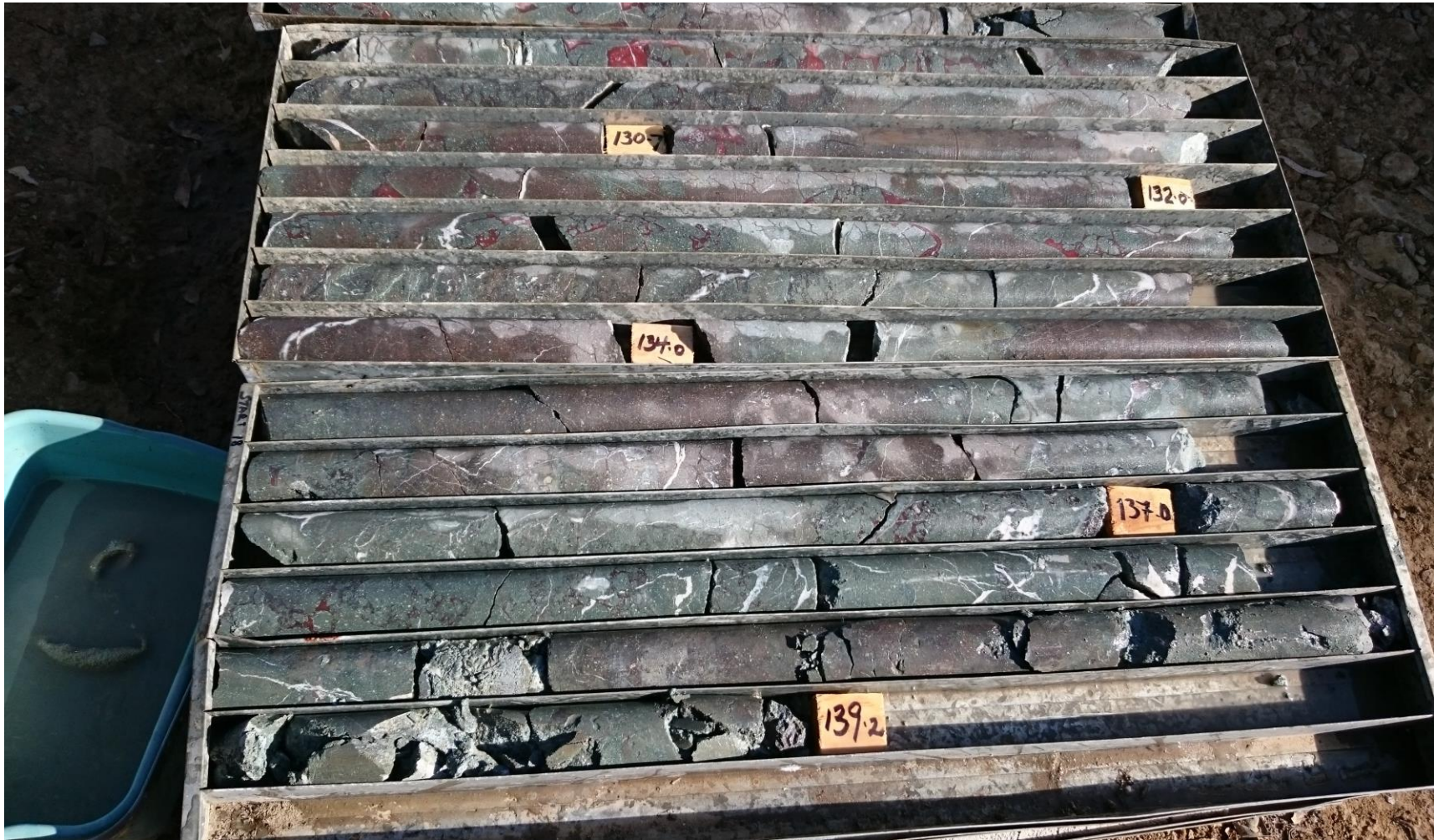


MBR 11 - 127m to 133m

DGR GLOBAL LTD - PERCUSSION DRILL LOG								
Hole No: MBR12			Logged by: RG Date: 8-10-16		EPM: 15238 Prospect: Manumbar		Easting: 436658	%
Depth 164m RL 457 m			Azimuth: 340M Inclinaton: 60		Top of Ox: 13m Bottom of Ox: 19m		Northing: 7083654	
Sample	Depth (m)		Lithology Description		Alteration		Mineralisation	sulphid e
	0	1	brown soil		v. weath			
	1	2	brown andesite chips		v. weath			
	2	3	brown andesite chips		v. weath			
	3	4	brown andesite chips		v. weath			
	4	5	brown andesite chips		v. weath			
	5	6	brown + grey andesite		v. weath			
	6	7	brown + grey andesite		v. weath			
	7	8	brown + grey andesite		v. weath			
	8	9	brown + grey andesite		v. weath, 30% clay			
	9	10	brown + grey andesite		mod. weath			
	10	11	brown + grey andesite		mod. weath			
	11	12	grey andesite		lt weath			
	12	13	grey andesite		lt weath			
	13	14	grey andesite		lt weath			
	14	15	grey andesite		lt weath			
	15	16	grey andesite		hem perv alt			
	16	17	grey andesite		hem perv alt			
	17	18	grey andesite		hem perv alt			
	18	19	grey andesite		lt weath		qtz calc	trace
	19	20	grey andesite		fresh			
	20	21	grey andesite					
	21	22	grey andesite		strong chl perv alt		qtz calc	trace
	22	23	grey andesite		strong chl perv alt			
	23	24	grey andesite		strong chl perv alt			
	24	25	grey andesite, hard drilling					
	25	26	grey andesite, hard drilling					

	26	27	grey andesite, hard drilling	minor hem		
	27	28	grey andesite, hard drilling			
	28	29	grey andesite, hard drilling		qtz calc	trace
	29	30	grey andesite, hard drilling	mod hem + chl alt	qtz calc	trace
	30	31	grey andesite, hard drilling			
	31	32.4	grey andesite, hard drilling	GO TO CORE		
	32.4	38	grey andesite	perv hem & chl alt	qtz calc vn at 37m	small
	38	41	grey andesite	perv hem & chl alt, strong bleaching, hem vn	calc vn at 40m	10cm%
	41	44	grey andesite	perv hem & chl alt, less bleaching		
	44	47	grey andesite	faulting, beaching, clay, perv hem alt		
	47	50	grey andesite	faulting, beaching, clay, perv hem alt	large fault 49,5m	
	50	51.5	grey andesite	large breccia veins red jasper, faulting, much clay		
	51.5	77	yellow rhyolite dyke			
	77	80	lt grey andesite	bleached, v altered	diss py in minor calc vn	trace
	80	83	lt grey andesite	bleached, v altered	diss py in minor calc vn	trace
	83	98	lt grey andesite	large fault 86 to 87, fault 97m, hem red vns	small calc vns	
	98	101	grey andesite	less alt	small calc vns	
	101	103	grey andesite	less alt	small calc vns	
	103	107	grey andesite	hem + chl perv alt	small calc vns	
	107	110	grey andesite	hem + chl perv alt	small calc vns	
	110	113	grey andesite, large fault 112m	hem + chl perv alt	small calc vns	
	113	116	grey andesite, large fault 113.5m	hem + chl perv alt	small calc vns	
	116	119	grey andesite	less perv alt	small calc vns	
	119	121.4	grey andesite	less perv alt	small calc vns	
	121.4	124.5	grey andesite	less perv alt	small calc vns	
	124.5	127.6	grey andesite	less perv alt	small calc vns	
	127.6	130.7	grey andesite	hem + chl perv alt	small calc vns	

	130.7	132	grey andesite	hem + chl perv alt	small calc vns	
	132	134	grey andesite	hem + chl perv alt	small calc vns	
	134	137	grey andesite	hem + chl perv alt	small calc vns	
	137	139.2	grey andesite	hem + chl perv alt	small calc vns	
	139.2	142.2	grey andesite	hem + chl perv alt	small calc vns	
	142.2	144.7	grey andesite, fault 144.6	intense hem + chl perv alt	small calc vns	
	144.7	147.8	grey andesite, large fault 147	intense hem + chl perv alt	small calc vns	
	147.8	150.8	grey andesite	hem + chl perv alt	small calc vns	
	150.8	153.9	grey andesite, fault 151, 152, 153m	hem + chl perv alt	small calc vns	
	153.9	157	grey andesite	less alt	small calc vns	
	157	160.1	dk grey andesite	much less alt	small calc vns	
	160.1	162.3	dk grey andesite	much less alt	small calc vns	
	162.3	164	dk grey andesite	much less alt	small calc vns	
			EOH			



MBR 12 - 130m to 139m

