

STELLAR RESOURCES LTD
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EL46/2003 HEEMSKIRK, ALPINE PROJECT
REPORT ON DRILL HOLES AP013-AP018

Volume 1 of 2

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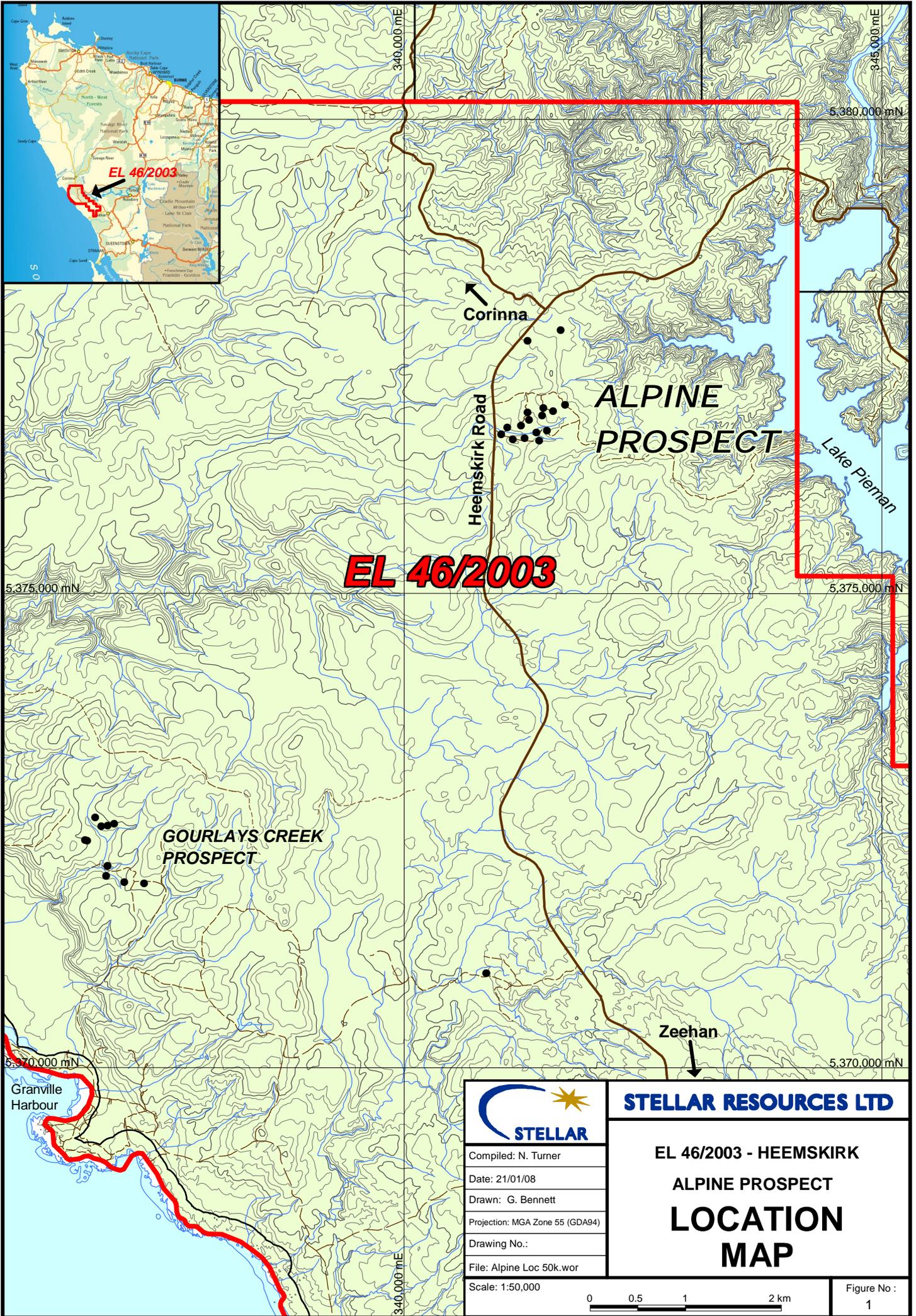
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Compiled: N. Turner
 Date: 21/01/08
 Drawn: G. Bennett
 Projection: MGA Zone 55 (GDA94)
 Drawing No.:
 File: Alpine Loc 50k.wor

EL 46/2003 - HEEMSKIRK
ALPINE PROSPECT
LOCATION
MAP

Scale: 1:50,000



Figure No.:
 1

1. Summary

- Copper intersections have been returned from four of the six holes drilled in the Alpine area in the round of work that is reported here. These intersections include 17 m at 0.51% Cu in AP013, 24 m at 0.6% Cu in AP014, 11m at 0.76% Cu in AP016, and 24 m at 0.54% Cu in AP017.
- The highest grade intersection in the Alpine area remains 22.25 m at 1.23% Cu returned from AP004. Future drilling should test for extensions of this interval and search for similar intervals, concentrating on the ground between drill sections 322 m NE and 728 m NE.
- Copper mineralization in the Alpine area is associated with late-formed carbonate and silica in schists and in cross cutting veinlets, and with late-formed massive sulphide.
- There is an approximate correspondence between elevated copper values and intervals of chloritic schist (mafic metaigneous protolith) and banded magnetite-pyrite-silicate(-carbonate) schist. It may be that the chemistry of these rocks influenced precipitation of the copper.
- The Alpine system includes late zinc-lead bearing massive sulphide as well as late copper bearing massive sulphide and is regarded as a Devonian mineralising system.

2. Introduction

Stellar Resources Ltd's Alpine Project is located in western Tasmania (Figure 1), some 26 km northwest of the town of Zeehan and 4 km southwest of the Reece Dam on the lower Pieman River. Access is by bitumen roads from either Zeehan (35 km) or from the Murchison Highway near Tullah (61 km). An electricity transmission line passes through the project area.

CRA Exploration Pty Ltd carried out early exploration work in the project area that culminated in the drilling of holes AP001 and AP002 (Caithness, 1985). Drill hole AP002 returned an intersection of 27.4 m at 0.53% copper while AP001 returned 12.3 m at 0.24% copper. The copper enrichment substantially coincided with intervals of felsic-mafic schist interlayered with bands rich in pyrite and magnetite, but also extended into adjacent psammitic and pelitic rocks. In each drill hole there was a zinc-anomalous interval up-hole from the copper intersection. Outokumpu Australia Pty Ltd selectively sampled the drill holes to test for gold, but obtained only low values (Herrman, 1991).

In recent times Stellar Resources Ltd has drilled a further 19 holes at Alpine (AP003-AP021). Holes AP003-AP012A were reported in Stellar Resources Ltd (2007). Holes AP013-AP018, which were drilled in the period February-May, 2007, are reported in this document.

3. Geological setting

Regional geological coverage of the Alpine Project area is provided by the Geological Survey of Tasmania's Corinna 1:50,000 map sheet. This map shows that the project area is located within a belt of mylonitic metamorphics known as the Arthur Metamorphic Complex, which consists mostly of metasedimentary rocks but includes several units in which there is a substantial proportion of mafic metaigneous material derived from intrusive and subordinate extrusive rocks. The Alpine area is underlain by one of these more mafic units, called the Bowry Formation. The age of the metamorphism and mylonitic deformation within the Arthur Metamorphic Complex is Cambrian while the protolith age is probably Neoproterozoic.

To the east and southeast of the Alpine area the metamorphic complex consists of metamorphosed quartzwacke-sandstone, siltstone and carbonaceous mudstone that pass transitionally out of the metamorphic complex into equivalent, relatively unmetamorphosed lithologies. These metamorphosed and relatively unmetamorphosed rocks are parts of the turbiditic Oonah Formation.

Early folding within the Arthur Metamorphic Complex was isoclinal and the corresponding strong main foliation (S1/S2) is generally parallel to local compositional banding, to formation boundaries, and to the overall strike of the complex. For much of its length the Arthur Metamorphic Complex strikes NNE, but around Reece Dam and the Alpine area it sweeps southwest, then west in a broad fold. The axial surface of this fold strikes northwest, parallel to late, non-penetrative crenulation cleavage that is correlated with Devonian structures elsewhere in the district.

North of Reece Dam the Bowry Formation consists mainly of mafic metaigneous rocks, but south of the dam there appears to be less mafic material and more metasedimentary material. Magnetite-pyrite-silicate rocks are associated with the mafic metaigneous rocks in much of the Bowry Formation, reaching a maximum at the Savage River iron ore mine, which is about 30 km NNE of the Alpine area. Higher grade magnetite-bearing rocks in the Bowry Formation tend to be massive with disseminated pyrite and silicate whereas lower grade rocks mostly consist of thinly banded, schistose magnetite-pyrite-silicate. Trace copper is present in the mafic and magnetite-bearing parts of the Bowry Formation, but the amounts are overwhelmingly measured in parts per million rather than percent. Substantial lenticular bodies consisting of magnesite, dolomite and silicate rocks are present in parts of the Bowry Formation, and there are minor granitic rocks in a few places.

In the Alpine Project area the Bowry Formation is largely obscured by basalt and relatively unconsolidated gravel, sand and carbonaceous silt of Tertiary age. The Tertiary basalt is commonly strongly weathered and there is deep residual clay

soil. Despite the widespread cover there is outcrop of mineralized rocks beside the Heemskirk Road near GDA94 340942E 5376764N (Plan 1).

4. Diamond drilling results

a. Operational aspects

Diamond drilling in the Alpine area is commonly difficult with slow drilling rates and poor core recovery (Appendix 1). Access to drill sites is satisfactory over tracks that are on Tertiary gravel, but where tracks and drill sites are on deep clay soils operations become difficult in winter. Conversely, water supply may become a problem during summer.

b. Principal lithologies

The lithological subdivisions for drill holes AP013 to AP018 are shown in Plans 2-7. Also, petrological descriptions and assessments of 14 samples from AP013 are given in Appendix 2. The depths of the petrological samples are shown in the log of AP013 in Appendix 1 and are listed in Appendix 2.

There are differences in the way in which the lithologies in drill holes AP013-AP018 and the earlier holes AP001-012A have been subdivided, but correlations can be made between the two sets of holes using the assay data. Full reconciliation of the two sets of lithological data would require some relogging and recompilation, particularly of the chloritic and sulphide-bearing rocks.

The principal lithologies in AP013-AP018 are thought to reflect fairly straightforward metamorphism of their respective protoliths. These principal lithologies comprise medium grey, schistose muscovitic quartzite after quartzwacke-sandstone and siltstone; dark grey to black, graphitic phyllite/fine grained schist after carbonaceous mudstone and siltstone; and dark green to grey chloritic schist after mafic igneous rocks. Some of the metasedimentary rocks display green tints that are thought to be due to the presence of minor metamorphic chlorite, but the colours are very pale compared with the metaigneous rocks.

Bedding is a commonly recognisable primary feature in the metasedimentary rocks while grading may be locally preserved in the metasandstone. No sedimentary structures were recognized in the graphitic phyllite/fine grained schist where there is commonly strong foliation with parallel thin banding due to metamorphic differentiation of quartz and mica. Primary features in the dark green to grey chloritic schist intervals are restricted to uncommon, medium and fine grained, relict igneous textures. The intervals of thinly banded, schistose magnetite-pyrite-carbonate-silicate that are associated with these chloritic

intervals represent iron-rich materials that apparently experienced metamorphic differentiation during the mylonitic deformation though there was probably also pre-existing (coarser) banding. The carbonate probably formed later.

In general, the grade of metamorphism in the Arthur Metamorphic Complex is greenschist facies, but there is widespread evidence of relict, prograde, amphibolite facies assemblages and blueschist facies assemblages in the Bowry Formation. At Alpine these relict assemblages include garnet-amphibole-plagioclase of mafic meta-igneous derivation and meta-sedimentary assemblages of garnet-biotite-quartz (Stolz, 1991).

c. Alteration

There appear to have been episodes of alteration before and after the main mylonitic deformation. Identification of the earlier alteration is tentative as the petrological work has not been definitive (Appendix 2). Of particular interest are some of the banded, strongly siliceous rocks such as those in the interval 230.8 m to 277.8 m of AP013 (Plan 7) . These siliceous rocks are unlike the principal metasedimentary lithologies in that they are poor in mica. In AP013 they are bounded above and below by chloritic schist and include an interval of chloritic schist. They display transitional boundaries with the chloritic schist, include some bands of magnetite, and may be strongly silicified equivalents of the chloritic schist that have undergone mylonitic deformation. Analyses of stable trace elements might provide a test of this interpretation.

Alteration that followed the mylonitic deformation commonly has boundaries that are transgressive across the main foliation and/or is massive. Included is the common alteration of grey, carbonaceous metapelite to pale olive muscovite/sericite metapelite. This type of alteration is widespread and appears to be unrelated to the copper mineralization whereas late, massive silica/carbonate alteration is a feature of the sections of drill core that exhibit elevated copper values. These sections of elevated copper partly coincide with the intervals of chloritic schist and banded magnetite-pyrite-carbonate-silicate, but may extend into the adjacent metasandstone and metapelite for substantial distances.

d. Veining and mineralization

Cross cutting carbonate-quartz veinlets are common throughout the sections of drill core that show elevated copper values and much of the copper occurs as blebs of chalcopyrite in these veinlets. Chalcopyrite also occurs as films on foliation surfaces, especially in the chloritic schist, and as strings of fine grains parallel to the main foliation. Some copper is present as bornite and chalcocite (Appendix 2). Chalcocite was tentatively identified as a black, powdery mineral in fractures at around 200 m depth in AP016.

Chalcopyrite is also present as blebs in intervals of late, massive pyrite such as forms the matrix of brecciated, banded magnetite-pyrite-carbonate-silicate at around 180 m depth in AP014 (Plan 3). Outside the main copper-bearing sections in some drill holes there is late, massive pyrite in concordant and cross cutting veins that may be elevated in zinc and lead, for example, at 96-110 m and 134-145 m depth in AP014 (Plan 3, Appendix 1).

5. Conclusions

The modes of occurrence of most copper in the Alpine area are clearly later than the Cambrian structural fabric. They include chalcopyrite in late-formed carbonate-quartz veinlets and in late-formed massive sulphide. The age of the foliation-parallel mode of chalcopyrite occurrence is somewhat equivocal, but in that situation the chalcopyrite is again associated with late formed carbonate.

Coincidence of elevated copper with the intervals of chloritic schist and banded magnetite-pyrite-carbonate-silicate may indicate that the deposition of copper was influenced by host rock chemistry (Appendix 2). Deposition was apparently accompanied by fracturing and by the formation of copper-bearing carbonate veinlets throughout a volume of rock that included adjacent metasandstone and metapelite as well as the chloritic schist.

The presence in the Alpine area of distinct massive sulphide phases enriched in copper and zinc/lead is comparable with Devonian systems elsewhere in western Tasmania (e.g. Arthur Dam). The Alpine mineralizing system was probably also of Devonian age and its location in the hinge zone of a regional fold of Devonian age implies a structural control. Fractures in the hinge zone of the fold probably provided the path by which the mineralizing fluids reached the Bowry Formation. Some of these fractures may be represented in Plan 8, which is an interpretation of the general distribution of mineralized rock in the Alpine area beneath the cover of the Tertiary deposits and Recent soils.

The highest grade drill intersection from the Alpine prospect remains the 22.25 m at 1.23% Cu that was returned from AP004. This higher grade intersection is part of a long mineralized interval that was only partly tested by AP004 (95m at 0.46% Cu, Plan 5). Future drilling should test for extensions of the higher grade interval in AP004 and search for similar intervals, concentrating on the ground between drill sections 322 m NE and 728 m NE. If one (or more) of the inferred faults was a conduit for the mineralizing fluids, there may be a relationship between grade and proximity to the fault.

6. Environmental matters

The sites and access tracks for diamond drill holes AP013 to AP018 remain open pending a decision on further work.

7. References

Caithness, S. J. 1985. Rocky Cape EL1/77. Report on drilling 1.2.85-30.11.85. CRA Exploration Pty Ltd. TCR86-2538.

Geological Survey of Tasmania, 1991. Geological Atlas 1:50,000 series Sheet 7914N Corinna. Tasmanian Department of Resources and Energy, Division of Mines and Mineral Resources

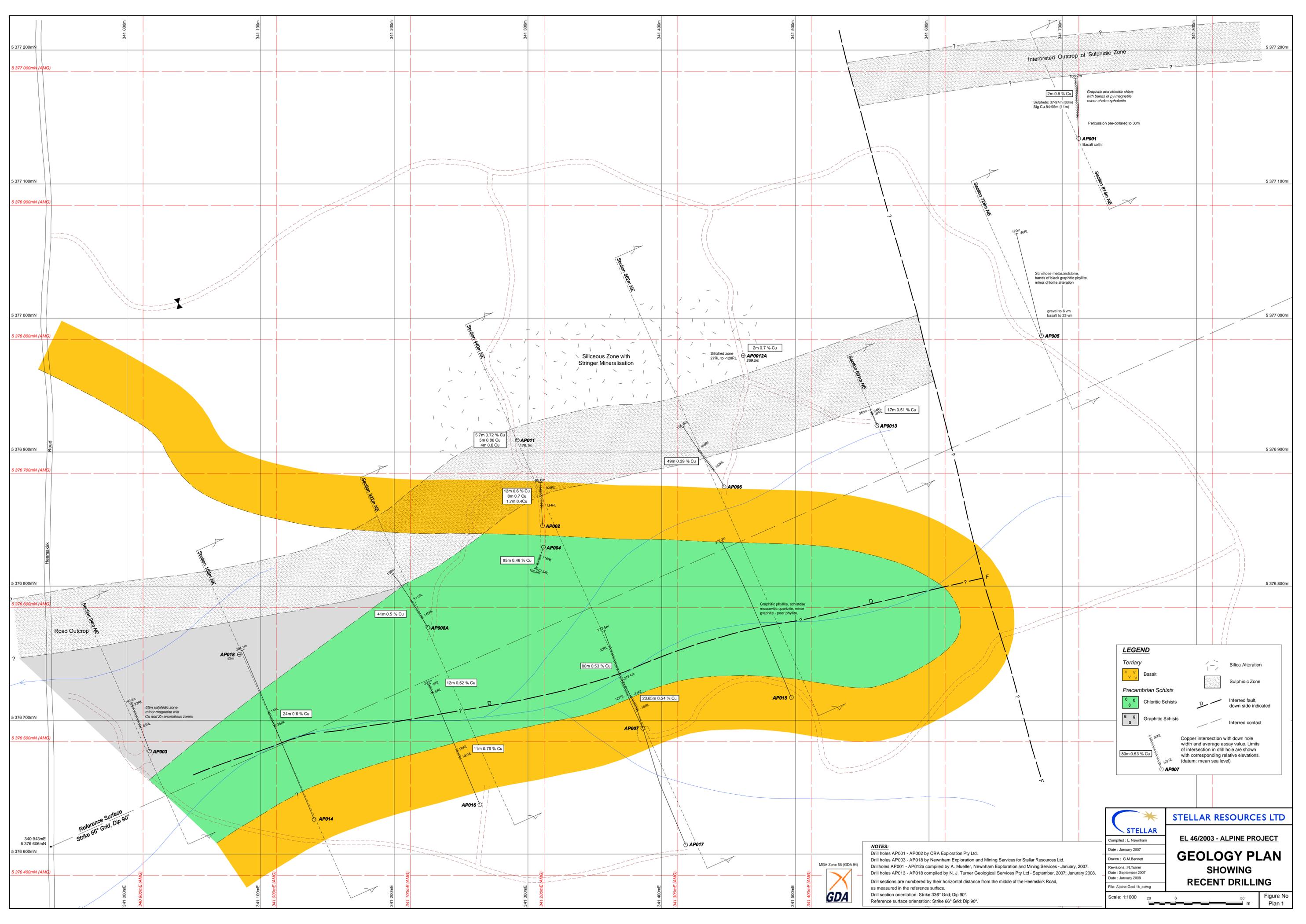
Herrman, W. 1991. Annual report to 6.4.91. EL56/89 Corinna South, Tasmania. Outokumpu Exploration Australia Pty Ltd. TCR91-3269.

Stellar Resources Ltd, 2007. EL46/2003 Heemskirk. Annual report 3.1.06-2.1.07.

Stolz, J. 1990. Report on the petrographic examination of ironstones and associated metamorphic rocks from the Arthur Metamorphic Complex, N.W.Tasmania. In: Herrmann, W. 1991. Annual report to 6.4.91 EL56/89 Corinna South, Tasmania. Outokumpu Exploration Australia Pty Ltd. TCR91-3269.



PLANS



LEGEND

Tertiary Basalt	Silica Alteration
Precambrian Schists Chloritic Schists	Sulphidic Zone
Graphitic Schists	Inferred fault, down side indicated
Inferred contact	Inferred contact

Copper intersection with down hole width and average assay value. Limits of intersection in drill hole are shown with corresponding relative elevations. (datum: mean sea level)

NOTES:
 Drill holes AP001 - AP002 by CRA Exploration Pty Ltd.
 Drill holes AP003 - AP018 by Newham Exploration and Mining Services for Stellar Resources Ltd.
 Drillholes AP011 - AP012a compiled by A. Mueller, Newham Exploration and Mining Services - January, 2007.
 Drill holes AP013 - AP018 compiled by N. J. Turner Geological Services Pty Ltd - September, 2007; January 2008.
 Drill sections are numbered by their horizontal distance from the middle of the Heemskirk Road, as measured in the reference surface.
 Drill section orientation: Strike 336° Grid; Dip 90°.
 Reference surface orientation: Strike 66° Grid; Dip 90°.

STELLAR RESOURCES LTD
 EL 46/2003 - ALPINE PROJECT
GEOLOGY PLAN SHOWING RECENT DRILLING

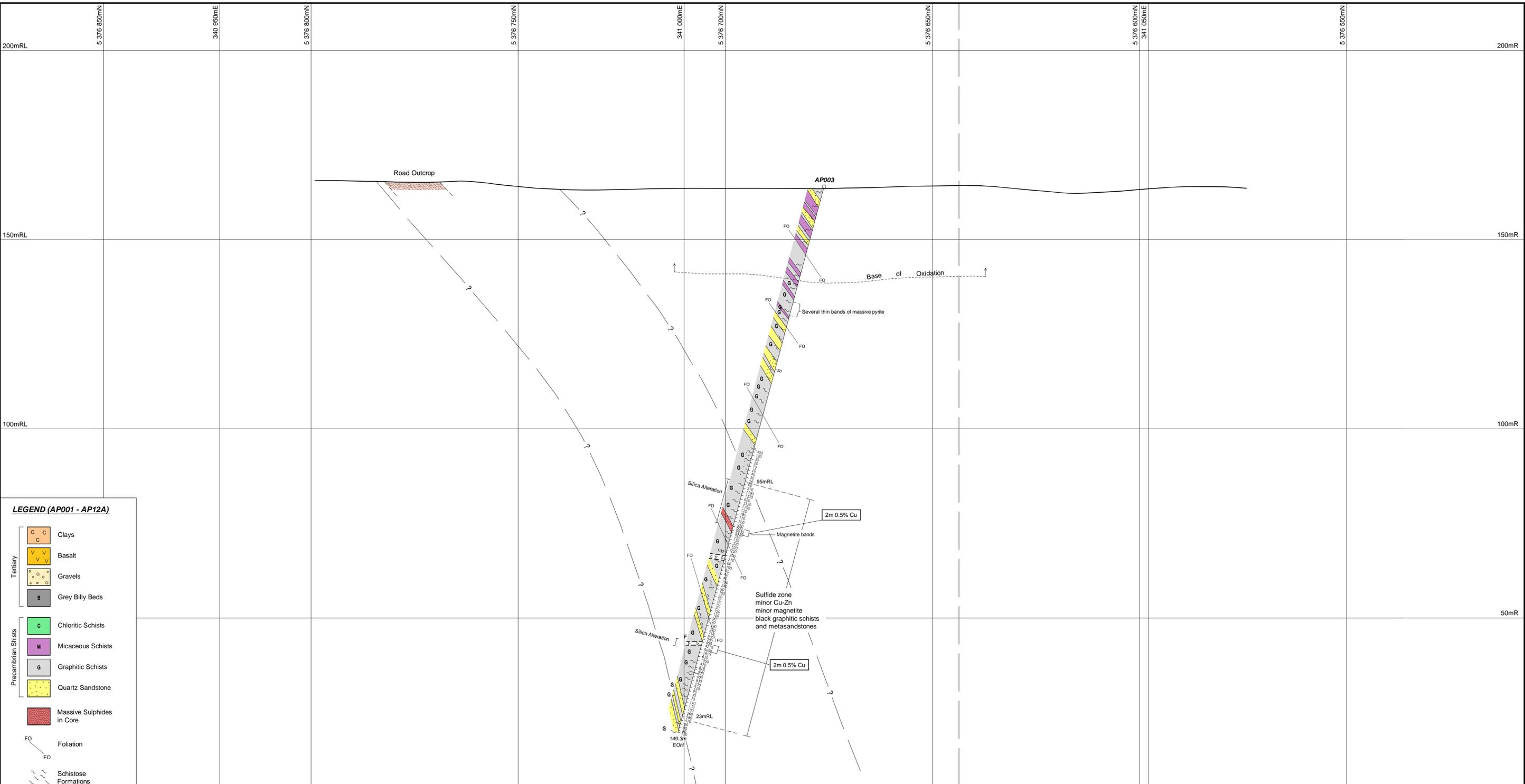
Compiled: L. Newham
 Date: January 2007
 Drawn: G.M. Bennett
 Revisions: N. Turner
 Date: September 2007
 Date: January 2008
 File: Alpine Geol 1k_c.dwg

Scale: 1:1000

Figure No Plan 1



MGA Zone 55 (GDA 94)



LEGEND (AP001 - AP12A)

Tertiary		Clays
		Basalt
		Gravels
		Grey Billy Beds
Precambrian Schists		Chloritic Schists
		Micaceous Schists
		Graphitic Schists
		Quartz Sandstone
		Massive Sulphides in Core
		Foliation
		Schistose Formations

LEGEND (AP013 - AP018)

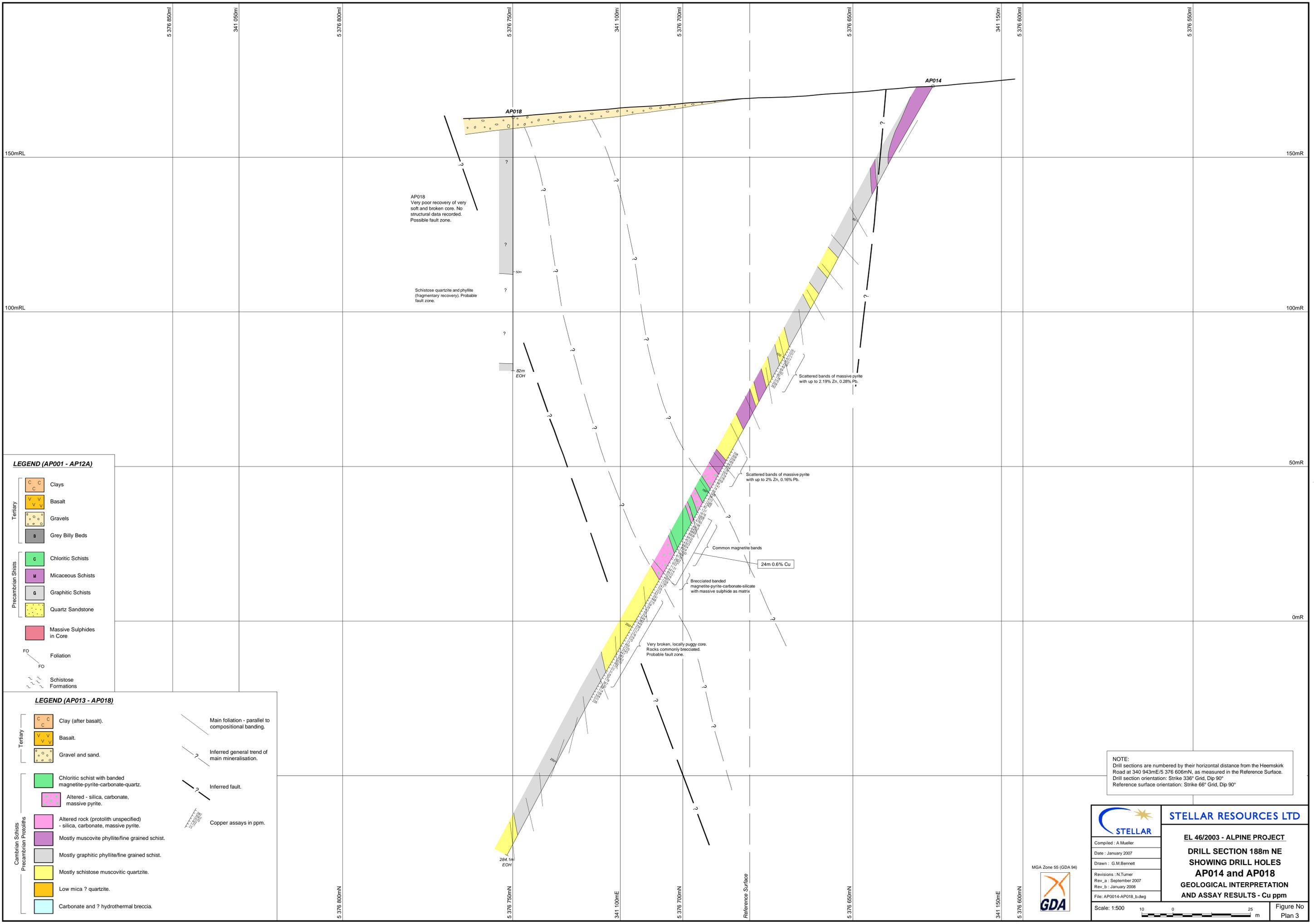
Tertiary		Clay (after basalt).		Main foliation - parallel to compositional banding.	
		Basalt.			Inferred general trend of main mineralisation.
		Gravel and sand.			
Cambrian Schists		Chloritic schist with banded magnetite-pyrite-carbonate-quartz.		Inferred fault.	
		Altered - silica, carbonate, massive pyrite.			
		Altered rock (protolith unspecified) - silica, carbonate, massive pyrite.		Copper assays in ppm.	
		Mostly muscovite phyllite/fine grained schist.			
		Mostly graphitic phyllite/fine grained schist.			
		Mostly schistose muscovitic quartzite.			
		Low mica ? quartzite.			
	Carbonate and ? hydrothermal breccia.				

NOTE:
 Drill sections are numbered by their horizontal distance from the Heemskirk Road at 340 943mE/5 376 606mN, as measured in the Reference Surface.
 Drill section orientation: Strike 336° Grid, Dip 90°
 Reference surface orientation: Strike 66° Grid, Dip 90°

 Compiled : A Mueller Date : January 2007	STELLAR RESOURCES LTD EL 46/2003 - ALPINE PROJECT DRILL SECTION 94m NE SHOWING DRILL HOLE AP003 GEOLOGICAL INTERPRETATION AND ASSAY RESULTS - Cu ppm
Scale: 1:500 	Figure No Plan 2



MGA Zone 55 (GDA 94)



LEGEND (AP001 - AP12A)

- Tertiary
 - C C Clays
 - V V Basalt
 - G Gravels
 - a Grey Billy Beds
- Precambrian Schists
 - C Chloritic Schists
 - M Micaceous Schists
 - g Graphitic Schists
 - Quartz Sandstone
- Massive Sulphides in Core
- FO Foliation
- Schistose Formations

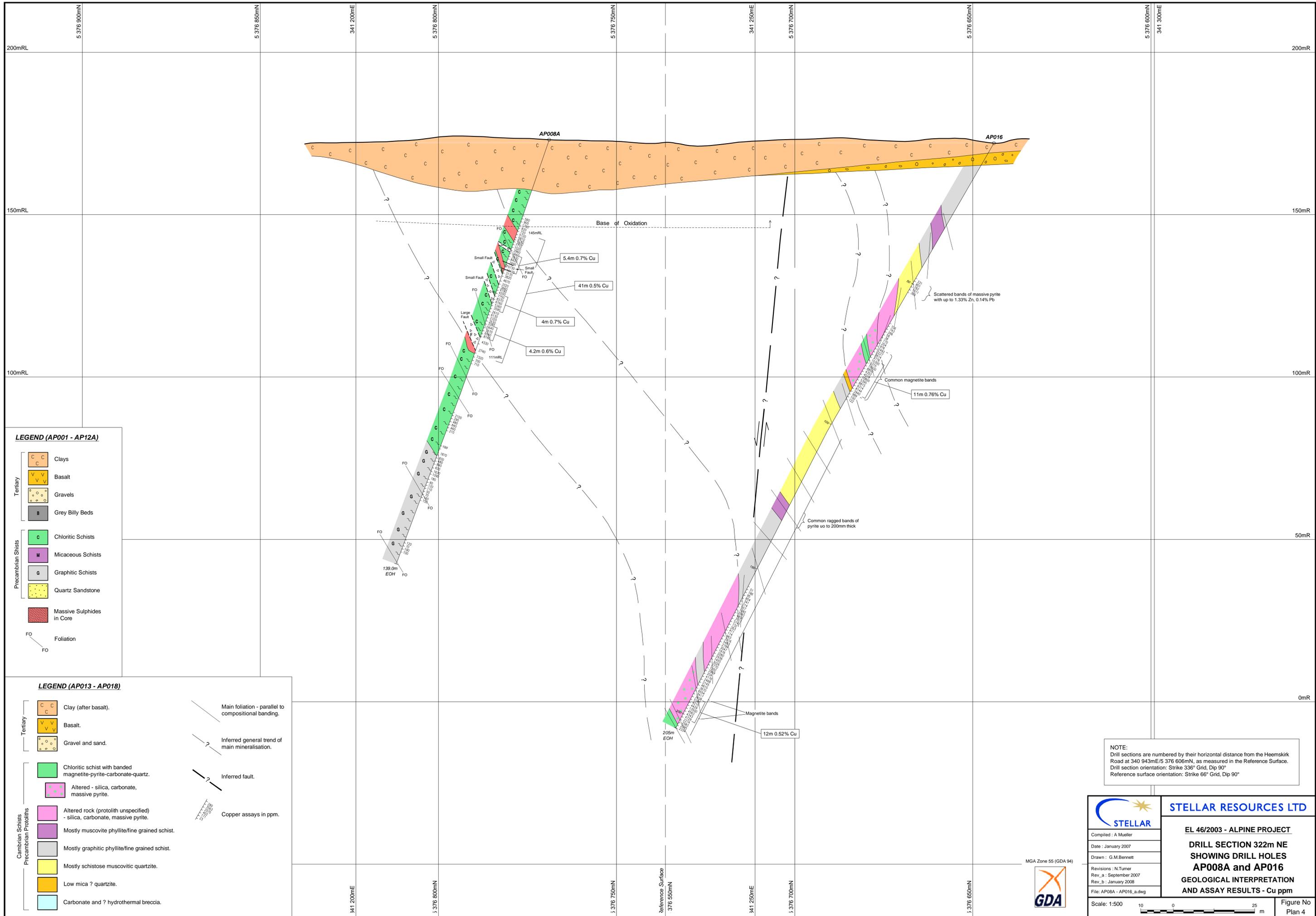
LEGEND (AP013 - AP018)

- Tertiary
 - C C Clay (after basalt).
 - V V Basalt.
 - G Gravel and sand.
- Cambrian Schists
 - Chloritic schist with banded magnetite-pyrite-carbonate-quartz.
 - Altered - silica, carbonate, massive pyrite.
 - Altered rock (protolith unspecified) - silica, carbonate, massive pyrite.
 - Mostly muscovite phyllite/fine grained schist.
 - Mostly graphitic phyllite/fine grained schist.
 - Mostly schistose muscovitic quartzite.
 - Low mica ? quartzite.
 - Carbonate and ? hydrothermal breccia.
- Main foliation - parallel to compositional banding.
- Inferred general trend of main mineralisation.
- Inferred fault.
- Copper assays in ppm.

NOTE:
 Drill sections are numbered by their horizontal distance from the Heemskirk Road at 340 943mE/5 376 606mN, as measured in the Reference Surface.
 Drill section orientation: Strike 336° Grid, Dip 90°
 Reference surface orientation: Strike 66° Grid, Dip 90°

		STELLAR RESOURCES LTD	
EL 46/2003 - ALPINE PROJECT			
DRILL SECTION 188m NE			
SHOWING DRILL HOLES			
AP014 and AP018			
GEOLOGICAL INTERPRETATION			
AND ASSAY RESULTS - Cu ppm			
Compiled : A Mueller	Date : January 2007	Drawn : G.M.Bennett	Revisions : N.Turner
Rev. a : September 2007	Rev. b : January 2008	File : AP0014-AP018_b.dwg	
Scale: 1:500			Figure No Plan 3





LEGEND (AP001 - AP12A)

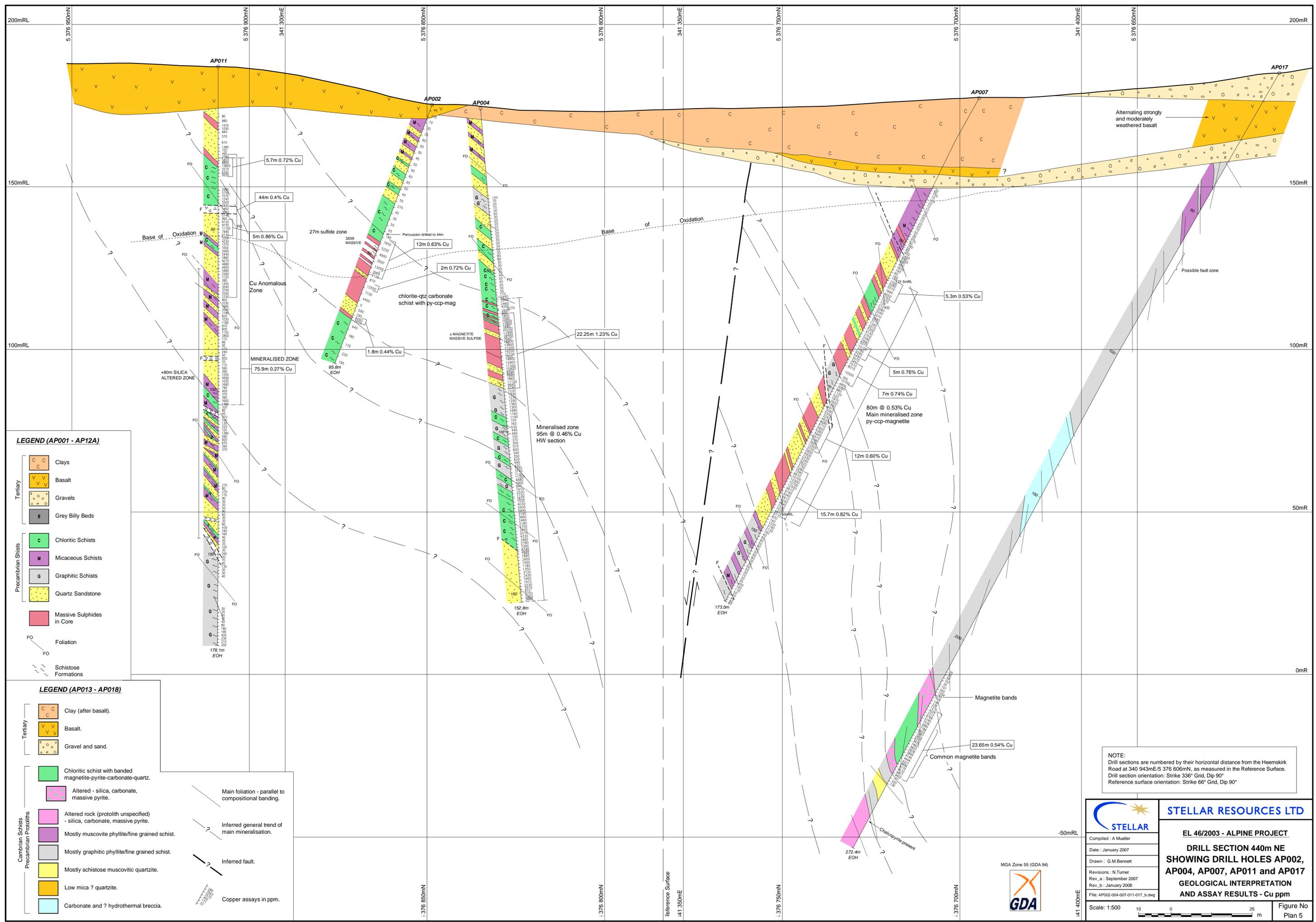
- Tertiary**
 - Clays
 - Basalt
 - Gravels
 - Grey Billy Beds
- Precambrian Schists**
 - Chloritic Schists
 - Micaceous Schists
 - Graphitic Schists
 - Quartz Sandstone
 - Massive Sulphides in Core
- Foliation (FO)

LEGEND (AP013 - AP018)

- Tertiary**
 - Clay (after basalt).
 - Basalt.
 - Gravel and sand.
- Cambrian Schists**
 - Chloritic schist with banded magnetite-pyrite-carbonate-quartz.
 - Altered - silica, carbonate, massive pyrite.
 - Altered rock (protolith unspecified) - silica, carbonate, massive pyrite.
 - Mostly muscovite phyllite/fine grained schist.
 - Mostly graphitic phyllite/fine grained schist.
 - Mostly schistose muscovitic quartzite.
 - Low mica ? quartzite.
 - Carbonate and ? hydrothermal breccia.
- Structural Features**
 - Main foliation - parallel to compositional banding.
 - Inferred general trend of main mineralisation.
 - Inferred fault.
 - Copper assays in ppm.

NOTE:
 Drill sections are numbered by their horizontal distance from the Heemskirk Road at 340 943mE/5 376 606mN, as measured in the Reference Surface.
 Drill section orientation: Strike 336° Grid, Dip 90°
 Reference surface orientation: Strike 66° Grid, Dip 90°

	STELLAR RESOURCES LTD	
	EL 46/2003 - ALPINE PROJECT	
Compiled : A Mueller Date : January 2007	DRILL SECTION 322m NE SHOWING DRILL HOLES AP008A and AP016	
Drawn : G.M.Bennett	GEOLOGICAL INTERPRETATION AND ASSAY RESULTS - Cu ppm	
Revisions : N.Turner Rev. a : September 2007 Rev. b : January 2008	Scale: 1:500	
File: AP08A - AP016_a.dwg		
MGA Zone 55 (GDA 94)	Figure No Plan 4	



LEGEND (AP001 - AP12A)

- Tertiary
 - Clays
 - Basalt
 - Gravels
 - Grey Billy Beds
- Precambrian Schists
 - Chloritic Schists
 - Micaceous Schists
 - Graphitic Schists
 - Quartz Sandstone
 - Massive Sulphides in Core
- FO Foliation
- Schistose Formations

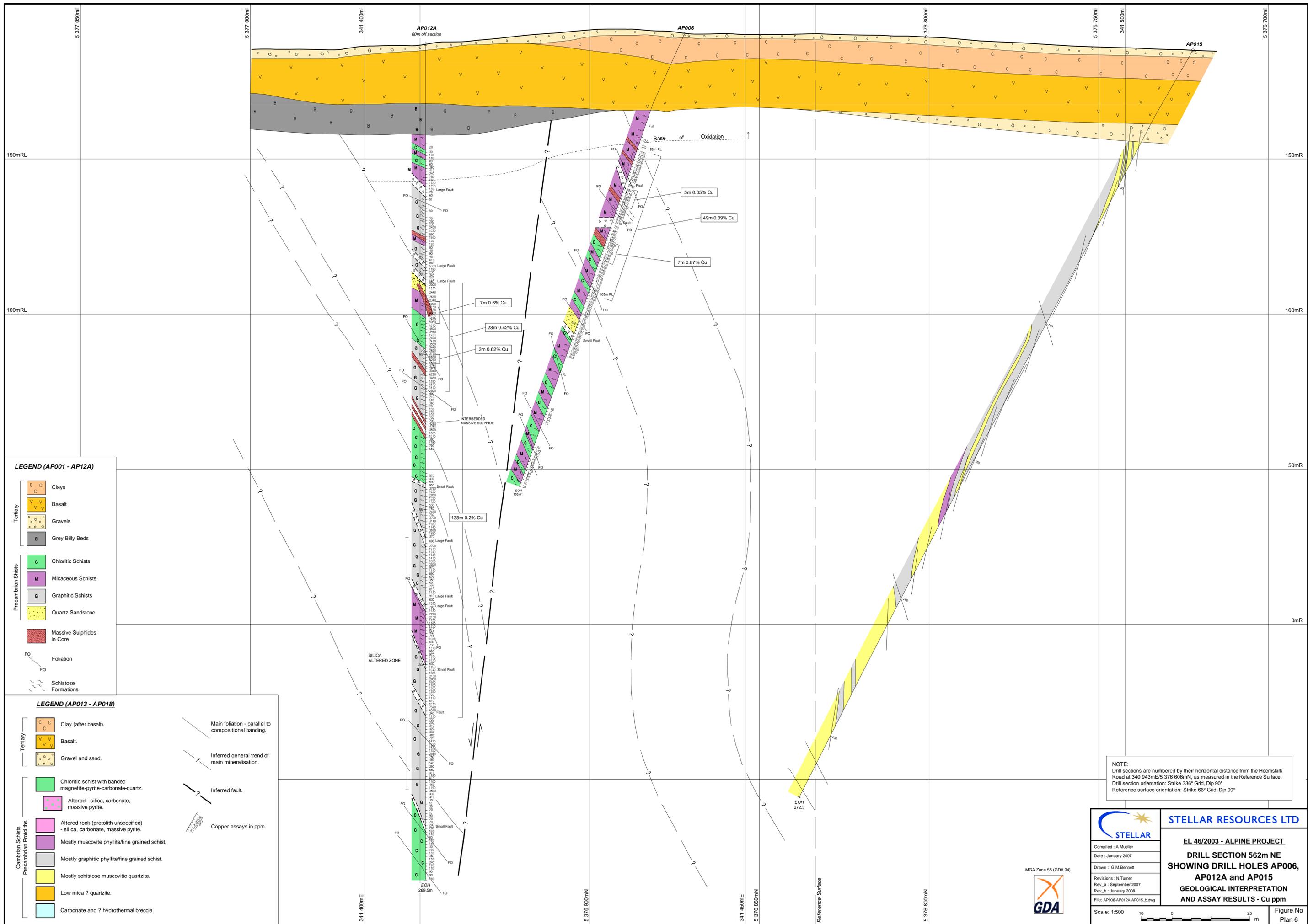
LEGEND (AP013 - AP018)

- Tertiary
 - Clay (after basalt).
 - Basalt.
 - Gravel and sand.
- Cambrian Schists
 - Chloritic schist with banded magnetite-pyrite-carbonate-quartz.
 - Altered - silica, carbonate, massive pyrite.
 - Altered rock (protolith unspecified) - silica, carbonate, massive pyrite.
 - Mostly muscovite phyllite/fine grained schist.
 - Mostly graphitic phyllite/fine grained schist.
 - Mostly schistose muscovitic quartzite.
 - Low mica ? quartzite.
 - Carbonate and ? hydrothermal breccia.
- Main foliation - parallel to compositional banding.
- Inferred general trend of main mineralisation.
- Inferred fault.
- Copper assays in ppm.

NOTE:
 Drill sections are numbered by their horizontal distance from the Heemskirk Road at 340 943mE/5 376 606mN, as measured in the Reference Surface.
 Drill section orientation: Strike 336° Grid, Dip 90°
 Reference surface orientation: Strike 66° Grid, Dip 90°

STELLAR RESOURCES LTD	
EL 46/2003 - ALPINE PROJECT	
DRILL SECTION 440m NE	
SHOWING DRILL HOLES AP002,	
AP004, AP007, AP011 and AP017	
GEOLOGICAL INTERPRETATION	
AND ASSAY RESULTS - Cu ppm	
Compiled : A Mueller Date : January 2007 Drawn : G.M.Bennett Revisions : N.Turner Rev.a : September 2007 Rev.b : January 2008 File: AP002-004-007-011-017_b.dwg	Scale: 1:500
Figure No Plan 5	





LEGEND (AP001 - AP12A)

Tertiary		Clays
		Basalt
		Gravels
Precambrian Schists		Grey Billy Beds
		Chloritic Schists
		Micaceous Schists
		Graphitic Schists
	Quartz Sandstone	
	Massive Sulphides in Core	
	Foliation	
	Schistose Formations	

LEGEND (AP013 - AP018)

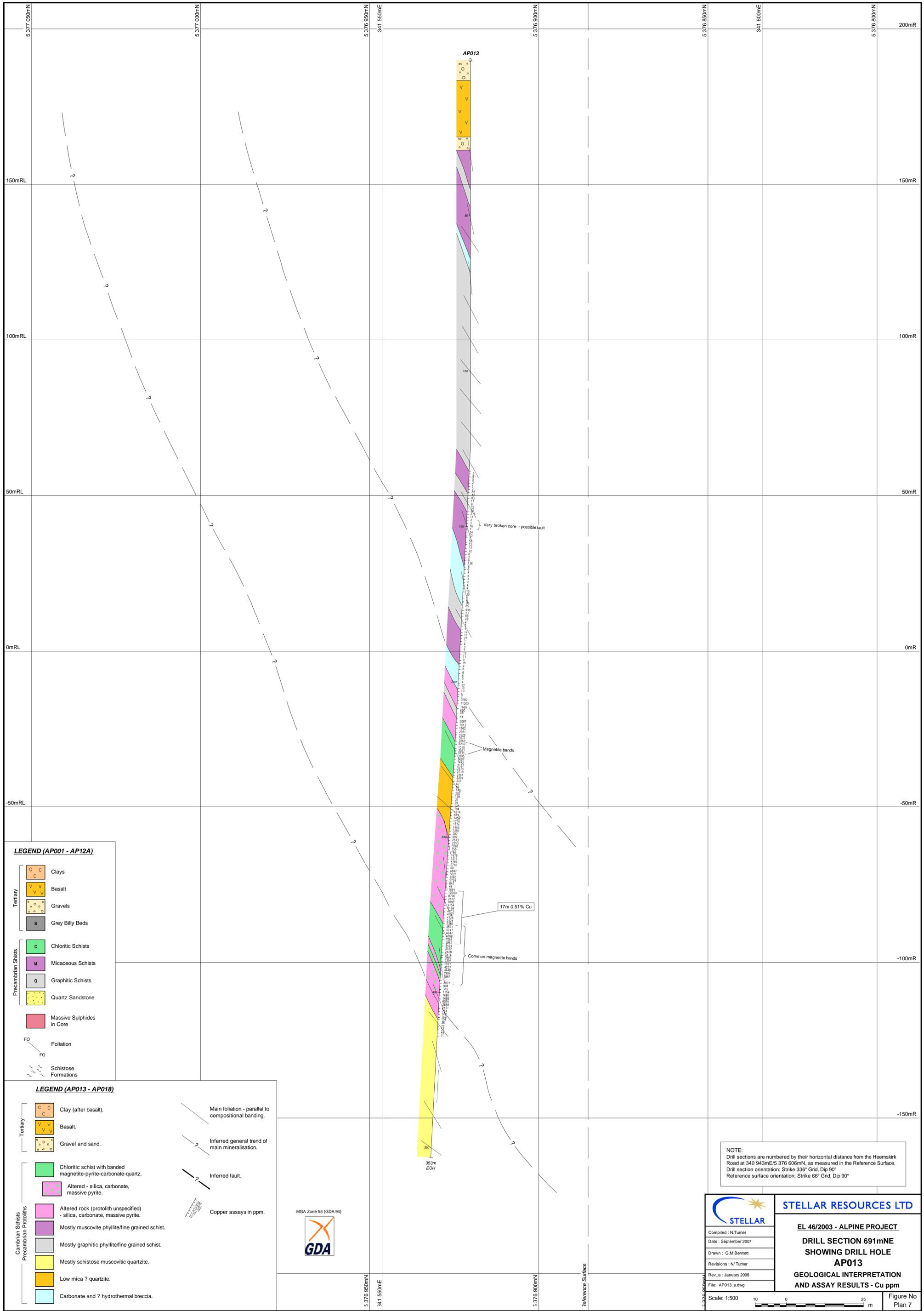
Tertiary		Clay (after basalt).
		Basalt.
		Gravel and sand.
Cambrian Schists		Chloritic schist with banded magnetite-pyrite-carbonate-quartz.
		Altered - silica, carbonate, massive pyrite.
		Altered rock (protolith unspecified) - silica, carbonate, massive pyrite.
		Mostly muscovite phyllite/fine grained schist.
		Mostly graphitic phyllite/fine grained schist.
Precambrian Protoliths		Mostly schistose muscovitic quartzite.
		Low mica ? quartzite.
		Carbonate and ? hydrothermal breccia.

Main foliation - parallel to compositional banding.
 Inferred general trend of main mineralisation.
 Inferred fault.
 Copper assays in ppm.

NOTE:
 Drill sections are numbered by their horizontal distance from the Heemskirk Road at 340 943mE/5 376 606mN, as measured in the Reference Surface.
 Drill section orientation: Strike 336° Grid, Dip 90°
 Reference surface orientation: Strike 66° Grid, Dip 90°

 STELLAR <small>Compiled : A Mueller Date : January 2007</small>	STELLAR RESOURCES LTD EL 46/2003 - ALPINE PROJECT DRILL SECTION 562m NE SHOWING DRILL HOLES AP006, AP012A and AP015 GEOLOGICAL INTERPRETATION AND ASSAY RESULTS - Cu ppm
	<small>Drawn : G.M.Bennett Revisions : N.Turner Rev. a : September 2007 Rev. b : January 2008 File: AP006-AP012A-AP015_b.dwg</small>
<small>Scale: 1:500</small> 	<small>Figure No Plan 6</small>





LEGEND (AP001 - AP12A)

- | | | |
|---------------------|--|---------------------------|
| Tertiary | | Clays |
| | | Basalt |
| | | Gravels |
| | | Grey Billy Beds |
| Precambrian Schists | | Chloritic Schists |
| | | Micaceous Schists |
| | | Graphitic Schists |
| | | Quartz Sandstone |
| | | Massive Sulphides in Core |
| | | Foliation |
| | | Schistose Formations |

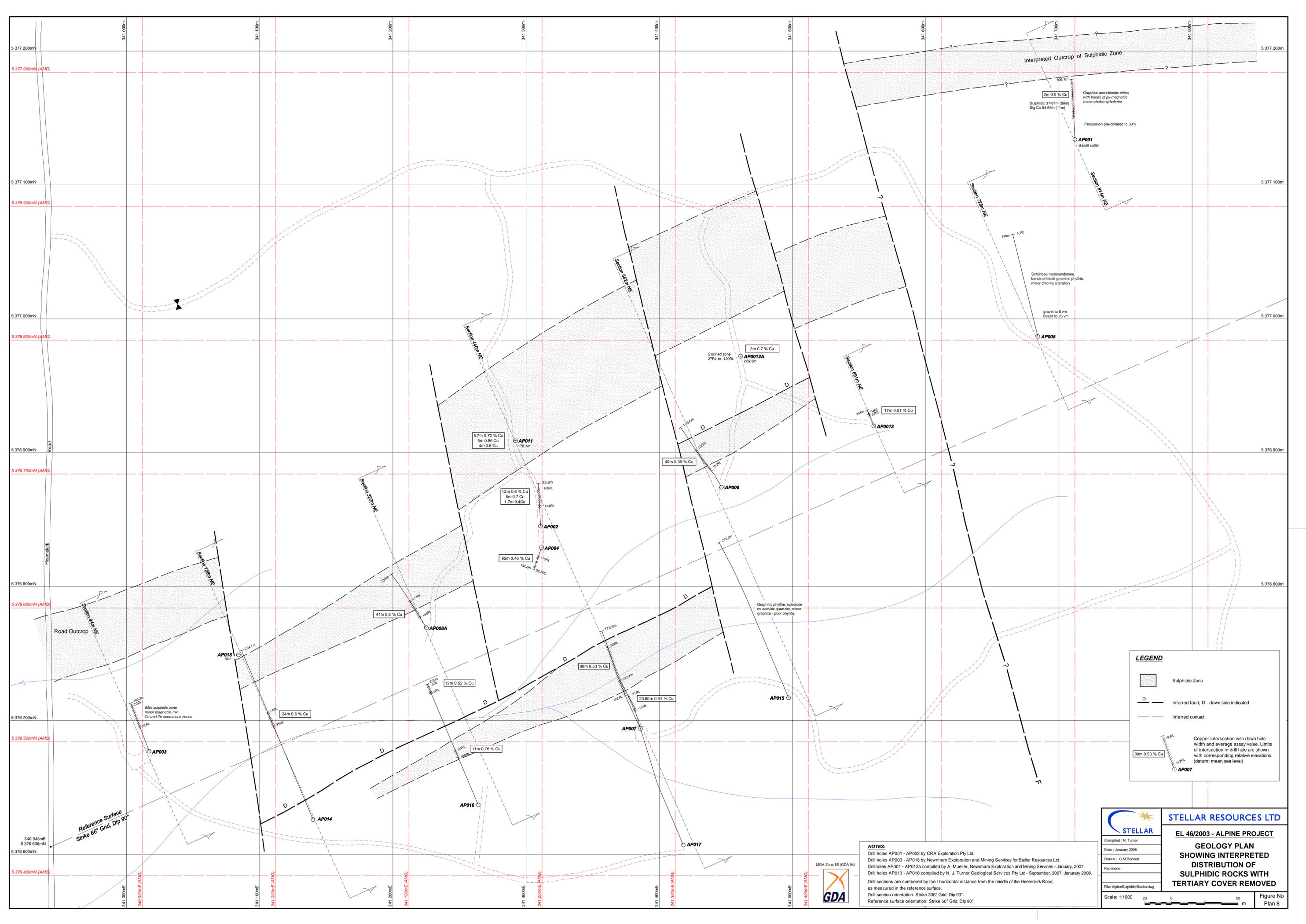
LEGEND (AP013 - AP018)

- | | | | | | |
|--|--|---|--|---|--|
| Tertiary | | Clay (after basalt). | | Main foliation - parallel to compositional banding. | |
| | | Basalt. | | | Inferred general trend of main mineralisation. |
| | | Gravel and sand. | | | |
| Cambrian Schists
Precambrian Proteroliths | | Chloritic schist with banded magnetite-pyrite-carbonate-quartzite. | | Inferred fault. | |
| | | Altered - silica, carbonate, massive pyrite. | | | |
| | | Altered rock (protolith unspecified) - silica, carbonate, massive pyrite. | | Copper assays in ppm. | |
| | | Mostly muscovite phyllite/fine grained schist. | | | |
| | | Mostly graphitic phyllite/fine grained schist. | | | |
| | | Mostly schistose muscovitic quartzite. | | | |
| | | Low mica ? quartzite. | | | |
| | | Carbonate and ? hydrothermal breccia. | | | |



NOTE:
 Drill sections are numbered by their horizontal distance from the Heemskirk Road at 340 943mE/5 376 606mN, as measured in the Reference Surface.
 Drill section orientation: Strike 336° Grid, Dip 90°
 Reference surface orientation: Strike 66° Grid, Dip 90°

 Compiled : N.Turner Date : September 2007 Drawn : G.M.Bennett Revisions : N/ Turner Rev_a : January 2008 File : AP013_a.dwg	STELLAR RESOURCES LTD EL 46/2003 - ALPINE PROJECT DRILL SECTION 691mNE SHOWING DRILL HOLE AP013 GEOLOGICAL INTERPRETATION AND ASSAY RESULTS - Cu ppm	
	Scale: 1:500 	Figure No Plan 7



LEGEND

- Sulphidic Zone
- Inferred fault, D - down side indicated
- Inferred contact
- Copper intersection with down hole width and average assay value. Limits of intersection in drill hole are shown with corresponding relative elevations. (datum: mean sea level)

NOTES:
 Drill holes AP001 - AP002 by CRA Exploration Pty Ltd.
 Drill holes AP003 - AP018 by Newnham Exploration and Mining Services for Stellar Resources Ltd.
 Drill holes AP001 - AP012a compiled by A. Mueller, Newnham Exploration and Mining Services - January, 2007.
 Drill holes AP013 - AP018 compiled by N. J. Turner Geological Services Pty Ltd - September, 2007, January 2008.
 Drill sections are numbered by their horizontal distance from the middle of the Heemskirk Road, as measured in the reference surface.
 Drill section orientation: Strike 336° Grd; Dip 90°.
 Reference surface orientation: Strike 66° Grd; Dip 90°.

STELLAR RESOURCES LTD
EL 46/2003 - ALPINE PROJECT
GEOLOGY PLAN
SHOWING INTERPRETED
DISTRIBUTION OF
SULPHIDIC ROCKS WITH
TERTIARY COVER REMOVED

Compiled: N. Turner
 Date: January 2008
 Drawn: G.M. Bennett
 Revisions:

File: AlpineSulphidicRocks.dwg

Scale: 1:1000

Figure No
Plan 8



MGA Zone 55 (GDA 94)

STELLAR RESOURCES LTD

8th January, 2008

EL46/2003 HEEMSKIRK
Report on drill holes AP013-AP018

Appendix 1: Logs of diamond drill holes AP013 to AP018 including core recovery, lithologies, structure, assays, down hole surveys.
Analyst: Burnie Research Laboratory



DRILL LOG AP013

Stellar Resources Ltd
 EL46/2003, Alpine Prospect
 Diamond drill hole **AP013**



Collar coordinates: GPS MGA Zone 55 (GDA94) 341 561mE 5 376 920mN
 RL: (msl+2000) 2190 m
 Length: 353 m
 Azimuth: n. a.
 Dip: -90°
 Drilled: 2007, Boart Longyear
 Drill: Triple tube HQ/NQ
 Logged: Nic Turner, March, 2007

Drillers' Blocks				Recovery				Geology		Petrology		Structure		Core Assays		Cu	Pb	Zn	Ni	Ag	As	Co	Mo	S	Au	Pt	
From (m)	To (m)	(m)	%	From (m)	To (m)	Description	Depth (m)	Depth (m)	Alpha ⁰	From (m)	To (m)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm		
												AAS		AAS		AAS		AAS		AAS		AAS		50 gm FA		50 gm FA	
0	4	0.80	20	0.00	6.57	Dark brown, clayey, sandy gravel with well rounded pebbles of vein quartz and quartzite.						10	10	10	10	1	50					0.01%	0.01 ppm	0.01 ppm			
4	7	1.00	33																								
7	10	1.5	50	6.57	24.7	Tertiary basalt. Mostly weakly weathered, but with strongly weathered intervals. Textures include amygdular, porphyritic and massive. Possible pillowed basalt near base.		63.88	65.00	18	49	38	428	1	496	804	2	9.40	<0.01	<0.01							
10	12.9	1.65	57					65.00	66.24	5	54	41	36	1	<25	29	9	0.95	<0.01	<0.01							
12.9	15	1.1	52																								
15	16	2	67	24.7	28.94	Buff, clayey, granuly, coarse grained sand																					
16	16.9	0.78	87	28.94	64.24	Muscovite-quartz phyllite and schistose muscovitic quartzite. Phyllite is black (graphitic) at 41.63-47.45 m, but is mostly pale olive at 28.94-41.63 m and 47.45-64.24 m. Common pyrite at 63.88-64.24 m. Colour contacts may be transitional and transgressive or sharp and parallel to the main foliation. The main foliation is defined by thin (1-6 mm) muscovite and quartz laminae due to metamorphic differentiation. Early quartz veins parallel to foliation are boudinaged and may display isoclinal fold closures. In places the main foliation is overprinted by a widely spaced, differentiated foliation that is associated with chevron folds. A few, thin, planar, cross-cutting, quartz-carbonate veinlets are present near 56 m.		31	MF 8	132.20	133.00	2	33	29	24	<1	<25	43	<1	0.49	<0.01	<0.01					
16.9	17.5	0.6	100					31	LF 0	133.00	134.00	81	48	42	52	1	<25	37	4	1.20	<0.01	<0.01					
17.5	18.3	0.68	85							134.00	135.00	5	46	57	41	1	35	41	6	1.27	<0.01	<0.01					
18.3	19	0.75	107							135.00	136.00	2	38	47	32	1	27	28	3	0.84	<0.01	<0.01					
19	21.6	2.6	100							136.00	137.00	1	35	34	25	<1	<25	27	4	0.44	<0.01	<0.01					
21.6	23.2	1.55	97					51	MF 12	137.00	138.00	2	30	19	26	<1	<25	23	2	0.86	<0.01	<0.01					
23.2	23.5	0.25	83							138.00	139.00	32	45	33	71	1	<25	37	2	3.58	<0.01	<0.01					
23.5	25	0.96	64					57.6	MF 35	139.00	140.00	32	50	32	82	1	33	41	8	2.90	<0.01	<0.01					
25	26.5	0	0					57.6	LF 18	140.00	141.00	83	58	40	72	1	29	30	9	1.82	<0.01	<0.01					
26.5	28	0	0							141.00	142.00	11	65	39	18	<1	<25	10	<1	0.12	<0.01	<0.01					
28	29.5	1.15	77	64.24	66.24	Breccia of mainly 1-2 mm fragments, but with a subordinate proportion of fragments up to 20 mm across. The fragments are angular and may be elongate and aligned. They are very fine grained and may be green, cream or olive in colour. The matrix is fine grained and contains carbonate and substantial pyrite. The texture of the breccia is relatively massive.				142.00	143.00	8	46	21	28	<1	<25	19	<1	0.33	<0.01	<0.01					
29.5	31	1.4	93							143.00	144.00	12	87	47	21	<1	<25	13	<1	0.24	<0.01	<0.01					
31	32.5	0.93	62							144.00	145.00	20	106	62	24	<1	<25	11	7	0.09	<0.01	<0.01					
32.5	34	1.2	80							145.00	146.00	216	1154	903	42	1	62	18	8	0.22	<0.01	<0.01					
34	35.5	1.43	95							146.00	147.00	11	40	34	21	<1	<25	14	1	0.15	<0.01	<0.01					
35.5	37	1.48	99	66.24	68.18	Pale olive mica-quartz phyllite.				147.00	148.00	3	33	12	23	<1	<25	8	<1	0.15	<0.01	<0.01					
37	38.5	1.44	96	68.18	132.2	Black muscovite-quartz phyllite with a few, narrow intervals of pale olive phyllite.	1, 119.5	70	MF 5	148.00	149.00	3	35	27	17	<1	<25	13	<1	0.08	<0.01	<0.01					
38.5	40	1.56	104					80	MF 28	149.00	150.00	16	36	24	26	<1	<25	25	<1	0.45	<0.01	<0.01					
40	41.5	1.3	87	132.2	139.44	Dark olive, mica-rich rock lacking strong foliation. About 10% of the interval is brecciated. Pyrite is finely disseminated in the rock. It also occurs as patches in the breccia and forms a few veinlets. Altered interval?	2, 133.5	90	MF 30	150.00	151.00	7	33	44	23	<1	<25	21	6	0.30	<0.01	<0.01					
41.5	43	1.53	102					100	MF 40	151.00	152.00	34	38	25	59	1	73	24	2	0.88	<0.01	<0.01					
43	44.5	1.5	100					110	MF 40	152.00	153.00	10	33	28	27	<1	<25	13	5	0.24	<0.01	<0.01					
44.5	46	1.4	93	139.44	141	Pyritic, black muscovite-quartz phyllite. Very broken core.		120	MF 40	153.00	153.60	2	33	22	17	<1	<25	12	<1	0.05	<0.01	<0.01					
46	47.5	1.3	87	141	142.95	Pale olive mica-quartz phyllite.	3, 142.5	130	MF 30	153.60	155.00	55	95	37	129	1	49	68	6	4.73	<0.01	<0.01					
47.5	49	1.52	101	142.95	145.4	Black muscovite-quartz phyllite. Contact at 145 m is parallel to foliation.		143	MF 30	155.00	155.74	12	61	30	35	1	<25	32	9	0.97	<0.01	<0.01					
49	50.5	1.45	97	145.4	153.6	Mostly pale olive mica-quartz phyllite. Very broken core 145.8-147.6 m and 149.4-150.95 m that shows moderate weathering with some clay.		149	MF 20	155.74	157.00	13	37	25	20	<1	<25	9	3	0.12	<0.01	<0.01					
50.5	52	1.5	100							157.00	158.00	22	40	35	38	<1	<25	14	3	0.38	<0.01	<0.01					
52	53.5	0.62	62	153.6	155.74	Common carbonate-quartz-pyrite veins in phyllite.				158.00	159.00	6	33	13	31	<1	87	26	1	0.27	<0.01	<0.01					
53.5	55	1.5	100	155.74	163.63	Mostly pale olive mica-quartz phyllite.				159.00	160.00	2	29	11	16	<1	36	14	2	0.15	<0.01	<0.01					
55	56.5	1.46	97	163.63	163.75	Crushed rock with a little clay.				160.00	161.00	6	41	9	74	<1	<25	72	1	1.59	<0.01	<0.01					
56.5	58	1.5	100	163.75	175.9	Pale grey and cream dolomite. Partly massive and medium grained (?re-crystallised) and partly very fine grained and banded. Latter material contains typical early, boudinaged quartz veins and a little pale olive muscovite. Intervals of breccia similar to 64.24-66.24 m are present at 164.35-165.85 m, 168.4-169.3 m and 174.55-175.9 m. They contain 3-5% pyrite and a very fine stockwork of carbonate in the matrix.		169	BA 15	161.00	162.00	136	42	10	108	<1	<25	301	4	4.03	<0.01	<0.01					
58	59.5	1.45	97							162.00	163.00	8	49	18	73	1	119	69	9	3.78	<0.01	<0.01					
59.5	61	1.48	97							163.00	163.75	6	51	24	43	1	<25	34	9	1.78	<0.01	<0.01					
61	62.4	1.4	100							163.75	165.00	4	50	25	39	1	81	34	6	1.97	<0.01	<0.01					
62.4	64	1.6	100							165.00	166.00	4	39	18	40	1	67	26	12	1.99	<0.01	<0.01					
End of HQ, start of NQ										166.00	167.00	3	46	27	38	1	41	24	4	0.45	<0.01	<0.01					
64	65.4	1.25	80	175.9	183.46	Pyritic, black muscovite-quartz phyllite.		180	MF 35	167.00	168.00	4	49	25	32	<1	<25	22	4	0.33	<0.01	<0.01					
65.4	66.5	0.95	86	183.46	185.08	Pale olive mica-quartz phyllite with minor pyrite.				168.00	169.00	4	56	29	28	1	<25	25	6	0.85	<0.01	<0.01					
66.5	69.6	3	97	186.04	194.5	Possibly an alteration product - pale grey and pale olive, massive, very fine grained rock. Easily scratched, but no acid reaction. Possibly sericite. Contains 5-10% pyrite and ?chalcopyrite as disseminations and in bands. There are intervals of grey, sulphide-poor carbonate at 192.7-194.5 m.				169.00	170.00	4	60	25	32	1	<25	25	8	1.10	<0.01	<0.01					
69.6	72.7	2.85	92							170.00	171.00	15	120	45	44	1	<25	36	12	4.62	<0.01	<0.01					
72.7	75.4	2.4	89							171.00	172.00	35	223	78	53	2	<25	44	16	9.47	<0.01	<0.01					
75.4	77.4	2.1	105							172.00	173.00	4	61	26	25	<1	<25	17	7	0.43	<0.01	<0.01					
77.4	80.4	2.81	94	194.5	202.7	Mostly breccia similar 64.24-66.24, but with intervals of dark grey, massive carbonate and pale grey, silicified carbonate. At its margins the breccia can be seen to occupy fractures in the adjacent rocks.				173.00	174.00	8	58	27	31	1	20	17	8	0.70	<0.01	<0.01					
80.4	82	1.44	90							174.00	174.55	28	58	42	55	1	99	32	6	1.90	<0.01	<0.01					
82	84.3	2.2	97							174.55	175.90	65	56	25	93	1	64	43	9	2.64	<0.01	<0.01					

Drillers	Blocks	Recovery	Recovery	Geology		Petrology	Structure	Core Assays	Cu	Pb	Zn	Ni	Ag	As	Co	Mo	S	Au	Pt				
84.3	85.7	1.6	114	202.7	204.6	Black muscovite-quartz phyllite with trace pyrite and sparse, cross-cutting carbonate-quartz veins.	204	MF 15	175.90	177.00	996	97	44	123	1	61	57	7	8.75	0.02	<0.01		
85.7	88.9	3.06	96	204.6	208.5	Most of the interval comprises very fine grained, pale coloured, massive, quartz-rich rock with subordinate carbonate and about 30% pyrite overall. The pyrite occurs as bands and as patches in brecciated intervals. First positive identification of chalcopyrite as scattered blebs in cross-cutting fractures and carbonate-quartz veinlets.	6, 205.7		177.00	178.00	23	94	34	94	1	44	45	9	5.14	<0.01	<0.01		
88.9	89.9	0.95	95						178.00	179.00	86	107	32	81	<1	<25	43	10	4.59	<0.01	<0.01		
89.9	90.8	0.89	99						179.00	180.00	47	88	205	23	1	<25	21	2	1.23	<0.01	<0.01		
90.8	91.9	0.79	72						180.00	181.00	4	83	46	26	1	<25	17	11	0.71	<0.01	<0.01		
91.9	95	3	97						181.00	182.00	3	84	31	23	<1	48	18	1	0.52	<0.01	<0.01		
95	98.1	2.88	93	208.5	211.6	Black muscovite-quartz phyllite. Includes an 0.55 m interval of dark grey, fine grained, massive dolomite with numerous cross-cutting veinlets. Trace pyrite. Very broken core. Puggy and brecciated near 211.6 m.		210	MF 25	183.00	184.00	12	140	130	41	1	65	23	11	3.81	<0.01	<0.01	
98.1	101.1	1.4	47						184.00	185.00	11	70	38	32	<1	<25	29	1	1.59	<0.01	<0.01		
101.1	104.2	2.94	95						185.00	186.00	21	70	22	38	<1	30	24	4	2.20	<0.01	<0.01		
104.2	105.5	1.1	85						186.00	187.00	3	54	20	30	<1	<25	22	5	2.19	<0.01	<0.01		
105.5	107.4	1.67	88						187.00	188.00	4	55	41	45	<1	<25	26	8	3.79	<0.01	<0.01		
107.4	110.4	2.96	99	211.6	216.3	Similar to parts of 204.6-208.5 m. Partly crudely banded and partly brecciated, pale grey and cream, very fine grained, siliceous material with black phyllite and massive pyrite that have been brecciated and mobilised to form a matrix for the siliceous fragments. Sparse blebs of chalcopyrite throughout.			188.00	189.00	3	39	21	50	<1	<25	27	4	3.39	<0.01	<0.01		
110.4	113.4	2.9	97						189.00	190.00	7	48	20	48	1	63	25	8	4.59	<0.01	<0.01		
113.4	116.4	2.94	98						190.00	191.00	12	65	39	51	1	56	28	9	4.88	<0.01	<0.01		
116.4	119.4	2.9	97						191.00	192.00	11	59	35	41	1	<25	24	15	3.76	<0.01	<0.01		
119.4	120.4	0.97	32						192.00	193.00	9	88	234	56	<1	46	26	13	3.86	<0.01	<0.01		
120.4	122.4	2	100	219.22	219.22	Relatively massive, pale grey and cream, very fine grained, banded, silica rock with thin pyrite banding. Fractured, not brecciated. Chevron folds in banding. Minor chalcopyrite occurs in cross cutting fractures.		219.5	CB 90	194.00	195.00	9	59	28	35	1	<25	28	8	1.63	<0.01	<0.01	
122.4	125.4	2.93	98						MF 30	195.00	196.00	8	53	20	27	<1	44	24	7	0.99	<0.01	<0.01	
125.4	128.4	2.9	97						196.00	197.25	8	97	44	31	1	<25	19	10	1.07	<0.01	<0.01		
128.4	131.4	2.95	98						197.25	198.00	6	55	20	27	<1	33	20	5	1.06	<0.01	<0.01		
131.4	134.4	2.96	99						198.00	199.00	5	58	20	29	1	64	27	8	1.08	<0.01	<0.01		
134.4	136.3	1.56	82	221.4	230.8	Banded chlorite-pyrite-carbonate-?feldspar-quartz schist. Magnetite banding 221.4-221.93 m. Scattered blebs of chalcopyrite are associated with carbonate patches or in fractures.	8, 223	230.7	MF 40	199.00	200.48	4	48	14	32	<1	<25	24	7	1.38	<0.01	<0.01	
136.3	137.4	1.05	95						200.48	201.00	17	119	54	29	1	134	24	6	0.92	<0.01	<0.01		
137.4	138.6	1.05	88						201.00	202.00	13	52	26	7	<1	93	10	3	0.31	<0.01	<0.01		
138.6	140.3	1.45	85						202.00	203.00	10	44	24	33	<1	27	31	6	2.13	<0.01	<0.01		
140.3	143.3	2.5	83						203.00	204.00	6	28	16	4	<1	54	9	7	0.14	<0.01	<0.01		
143.3	146.2	2.79	96	250	277.8	Similar pale grey, very fine grained, silica rock with pervasive banding, but no parting. Higher proportion of pyrite than 230.8-250 m. Chalcopyrite occurs throughout in cross cutting fractures and quartz-carbonate veinlets. Carbonate in the interval 253.2-255 m displays an unusual red colour (?hematite, ?manganese). Bands of magnetite/pyrite are present 258.2-258.5 m and 260.66-261.4 m. A little massive pyrite occurs 262.2-272 m, but pyrite is mostly 5-15 % and in bands. Chalcopyrite is common in this interval in cross cutting carbonate-quartz veinlets and as blebs and trains of fine grains in some bands. A transitional interval of banded quartz-graphitic chlorite-pyrite-carbonate is present at 272.2-273.1 m. In places in the interval 250-277.8 m the silica rock is brecciated and carbonate forms the matrix of the breccia.	9, 236.6	240	MF 50	202.00	203.00	10	44	24	33	<1	27	31	6	2.13	<0.01	<0.01	
146.2	149.4	2.93	92						MF 15	203.00	204.00	6	28	16	4	<1	54	9	7	0.14	<0.01	<0.01	
149.4	150.8	0.95	68						204.00	204.60	7	17	12	13	<1	<25	14	6	0.38	<0.01	<0.01		
150.8	152.4	1.3	82						206.00	206.00	3182	93	25	28	1	273	322	15	11.4	<0.01	<0.01		
152.4	155.4	2.72	91						206.00	207.00	11500	98	35	33	2	367	303	9	12.1	0.03	<0.01		
155.4	158.4	2.83	94	14, 261.3	261.3	Mostly medium to pale grey, very fine grained silica rock with cream carbonate in a very fine stockwork of fractures. Abundant pyrite. Several intervals of banded magnetite-pyrite-hematite-silicate with transgressive, transitional boundaries against the silica rock. Chalcopyrite scattered throughout.		261	CB 10	207.00	208.50	1669	144	33	64	2	421	513	18	21.6	0.04	<0.01	
158.4	161.4	3	100						208.50	209.00	660	88	45	56	1	37	37	14	3.57	<0.01	<0.01		
161.4	164.4	2.53	84						209.00	210.00	58	104	45	37	<1	99	25	8	1.40	<0.01	<0.01		
164.4	167.4	2.97	99						210.00	211.60	44	36	25	56	<1	68	34	16	2.65	<0.01	<0.01		
167.4	170.4	2.94	98						211.60	213.00	2087	160	114	43	2	162	146	6	15.5	0.06	<0.01		
170.4	174.4	3	75	11, 268.3	268.3	Mostly medium to pale grey, very fine grained silica rock with cream carbonate in a very fine stockwork of fractures. Abundant pyrite. Several intervals of banded magnetite-pyrite-hematite-silicate with transgressive, transitional boundaries against the silica rock. Chalcopyrite scattered throughout.		261	CB 10	213.00	214.00	1013	107	68	42	1	96	113	10	5.14	<0.01	<0.01	
174.4	175.7	1.14	88						214.00	215.00	1862	121	76	52	1	123	207	1	9.41	0.04	<0.01		
175.7	176.4	1.53	219						215.00	216.30	2931	122	76	41	1	400	323	7	11.2	0.04	<0.01		
176.4	178.7	2.22	96						216.30	217.00	1528	63	26	28	<1	221	162	<1	2.33	0.02	<0.01		
178.7	179.2	0.26	52						217.00	218.00	1072	54	25	25	<1	280	83	<1	2.24	<0.01	<0.01		
179.2	179.8	0.34	57	277.8	292.8	At 277.8 m there is a transgressive, but sharp, change to thinly banded, granular quartz-chlorite-?feldspar-pyrite-carbonate-magnetite-hematite. Magnetite occurs as disseminated grains up to 3 mm across, but is most abundant as fine grained bands with pyrite, particularly in the interval 284.1-288.7 m. Chalcopyrite is widespread occurring in sparse, cross cutting, quartz-carbonate veinlets and as trains of fine grains in some bands.	12, 281.6	280	CB 30	218.00	219.00	3963	81	33	35	<1	231	245	7	5.51	<0.01	<0.01	
179.8	182.4	2.57	99						290.5	CB 10	219.00	220.00	5232	139	46	33	2	267	348	4	11.0	<0.01	<0.01
182.4	184	1.4	88						220.00	221.40	1010	62	29	21	<1	196	74	4	1.83	<0.01	<0.01		
184	185.1	1.08	98						221.40	222.00	3357	143	63	48	2	307	214	9	6.76	<0.01	<0.01		
185.1	186.5	1.34	96						222.00	223.00	1833	97	59	24	<1	275	177	5	4.33	<0.01	<0.01		
186.5	189.6	3.1	100	292.8	294.42	Medium grey, very fine grained silica rock and coarse grained quartz-carbonate veins with patches of chlorite, ?feldspar, pyrite and chalcopyrite.		280	CB 30	223.00	224.00	3295	93	53	25	<1	148	237	17	7.22	<0.01	<0.01	
189.6	192.7	3.05	98						224.00	225.00	2687	104	56	33	1	214	229	10	9.70	<0.01	<0.01		
192.7	194	1.06	82						225.00	226.00	1442	98	68	28	0	144	178	4	5.15	<0.01	<0.01		
194	194.8	0.7	88						226.00	227.00	2127	98	76	36	1	176	263	1	5.41	<0.01	<0.01		
194.8	196.5	2.87	169						227.00	228.00	2575	89	55	22	<1	147	147	5	3.35	<0.01	<0.01		
196.5	199.6	1.83	59	296.7	303.6	Mostly medium to pale grey, very fine grained silica rock with cream carbonate in a very fine stockwork of fractures. Abundant pyrite. Several intervals of banded magnetite-pyrite-hematite-silicate with transgressive, transitional boundaries against the silica rock. Chalcopyrite scattered throughout.		302	CB 25	228.00	229.00	2719	100	53	31	<1	272	159	2	3.71	<0.01	<0.01	
199.6	202.7	3.03	98						229.00	230.00	2341	91	58	27	<1	136	125	2	3.16	0.02	<0.01		
202.7	205.8	2.88	93						230.00	230.85	3394	116	68	35	1	322	258	4	8.17	0.05	<0.01		
205.8	208.3	2.55	102						230.85	232.00	337	41	45	36	<1	128	48	<1	2.01	<0.01	<0.01		
208.3	209.3	0.75	75						232.00	233.00	67	51	33	37	<1	158	75	3	2.77	<0.01	<0.01		
209.3	210.4	0.92	82	308.7	308.7	Very fine grained silica rock with carbonate and pyrite, but no magnetite, hematite or chalcopyrite. The carbonate appears to be late, occupying fractures in the silica rock.		310	MF 40	233.00	234.00	69	44	38	24	<1	140	55	3	2.14	<0.01	<0.01	
210.4	211.4	0.67	67						234.00	235.00	743	65	64	8	<1	201	73	2	2.61	<0.01	<0.01		
211.4	212.2	0.6	75						235.00	236.00	282	37	38	15	<1	116	66	<1	2.01	<0.01	<0.01		
212.2	213.7	1.49	99						236.00	237.00	158	46	30	2	1	34	66	<1	2.30	<0.01	<0.01		
213.7	215.4	1.58	93						237.00	238.00	31	39	35	12	1	<25	23	<1					

Drillers	Blocks	Recovery	Recovery	Geology		Petrology	Structure	Core	Assays	Cu	Pb	Zn	Ni	Ag	As	Co	Mo	S	Au	Pt
224.4	227.4	3.38	113					241.00	242.00	1714	48	31	6	1	222	65	<1	2.38	0.02	<0.01
227.4	230.4	3.02	101					242.00	243.00	813	54	33	27	1	188	68	<1	1.29	<0.01	<0.01
230.4	233.4	2.92	97	353				243.00	244.00	1458	45	38	17	1	131	65	<1	2.04	0.02	<0.01
233.4	236.4	2.9	97					244.00	245.00	1210	50	112	12	1	256	61	<1	1.96	<0.01	<0.01
236.4	239.4	2.97	99					245.00	246.00	1174	43	36	10	1	<25	36	<1	1.04	<0.01	<0.01
239.4	242.4	3.07	102					246.00	247.00	1493	39	25	15	1	189	50	<1	1.28	0.02	<0.01
242.4	245.4	3.06	102					247.00	248.00	1355	40	30	16	1	108	53	<1	2.31	0.02	<0.01
245.4	248.4	3.01	100					248.00	249.00	387	32	27	19	<1	<25	48	2	1.42	0.02	<0.01
248.4	251.4	3	100					249.00	250.00	992	39	48	29	1	133	57	<1	1.22	<0.01	<0.01
251.4	254.4	3.2	107					250.00	251.00	2613	57	54	69	1	456	405	<1	7.89	0.02	<0.01
254.4	257.4	2.68	89					251.00	252.00	2253	50	41	63	1	90	96	<1	2.25	0.02	<0.01
257.4	259.6	2.15	98					252.00	253.00	3561	65	46	55	1	204	173	<1	5.07	0.03	<0.01
259.6	261.4	1.74	97					253.00	254.00	355	60	45	46	1	128	124	<1	3.56	0.05	<0.01
261.4	262.2	1.03	129					254.00	255.00	196	78	53	55	1	90	193	<1	4.13	0.02	<0.01
262.2	263.4	0.89	74					255.00	256.00	1675	73	42	48	1	53	109	<1	4.59	0.02	<0.01
263.4	266	2.5	96					256.00	257.00	1317	83	42	34	2	180	179	<1	7.14	0.03	<0.01
266	269.1	3.1	100					257.00	258.00	4787	91	39	47	3	95	153	<1	8.79	0.03	<0.01
269.1	272.2	3.03	98					258.00	259.00	2716	95	56	41	2	92	211	<1	7.63	0.02	<0.01
272.2	275.2	2.52	84					259.00	260.00	59	60	43	25	1	<25	65	<1	1.93	<0.01	<0.01
275.2	278.2	3.1	103					260.00	261.00	4697	71	46	34	2	125	162	<1	6.13	0.02	<0.01
278.2	281.2	3.1	103					261.00	262.00	3021	92	32	39	2	149	245	<1	5.30	<0.01	<0.01
281.2	284.3	3.09	100					262.00	263.00	2060	42	25	33	1	126	97	<1	2.69	0.02	<0.01
284.3	287.4	3.11	100					263.00	264.00	5724	54	26	76	2	693	298	<1	11.4	0.07	<0.01
287.4	290.4	3.05	102					264.00	265.00	843	30	23	39	<1	37	67	<1	1.72	<0.01	<0.01
290.4	293.4	2.96	99					265.00	266.00	48	33	29	38	<1	<25	93	<1	2.82	<0.01	<0.01
293.4	296.4	2.96	99					266.00	267.00	1691	51	36	44	1	<25	77	<1	2.88	0.02	<0.01
296.4	299.4	3.05	102					267.00	268.00	10700	50	59	37	1	<25	50	<1	2.90	0.04	<0.01
299.4	302.4	2.97	99					268.00	269.00	8726	63	23	64	1	342	207	7	7.93	0.06	<0.01
302.4	305.4	3	100					269.00	270.00	2672	33	22	34	<1	37	55	7	2.02	0.02	<0.01
305.4	308.4	2.97	99					270.00	271.00	1880	46	36	41	1	160	56	7	2.80	0.02	<0.01
308.4	311.4	2.8	93					271.00	272.00	9154	70	42	52	1	131	82	10	4.12	0.06	<0.01
311.4	314.3	2.77	92					272.00	273.00	6169	77	48	32	2	288	161	8	6.63	0.04	<0.01
314.3	317.4	3	97					273.00	274.00	4703	69	36	34	2	241	179	9	6.35	0.02	<0.01
317.4	320.4	3.06	102					274.00	275.00	4787	30	20	32	1	<25	161	6	3.60	0.02	<0.01
320.4	323.4	3.01	100					275.00	276.00	4125	48	29	38	1	140	218	10	4.30	0.02	<0.01
323.4	326.4	3	100					276.00	277.00	2424	53	35	33	1	92	141	11	3.28	<0.01	<0.01
326.4	329.4	2.89	96					277.00	277.83	5386	64	41	26	1	<25	132	11	4.29	<0.01	<0.01
329.4	332.4	3	100					277.83	279.00	3871	85	60	26	1	151	196	10	6.68	<0.01	<0.01
332.4	335.4	2.94	98					279.00	280.00	5247	140	59	48	3	<25	405	11	14.0	<0.01	<0.01
335.4	337.6	2.16	98					280.00	281.00	4847	78	59	27	2	82	179	5	5.44	<0.01	<0.01
337.6	339.3	1.62	95					281.00	282.00	4806	92	66	30	2	148	443	6	7.78	<0.01	<0.01
339.3	341.4	2.18	104					282.00	283.00	1788	86	61	37	2	250	255	4	5.05	<0.01	<0.01
341.4	344.4	2.91	97					283.00	284.10	5947	87	72	34	2	90	284	6	6.98	<0.01	<0.01
344.4	347.1	2.42	90					284.10	285.00	3464	150	48	51	3	90	334	11	7.84	0.03	<0.01
347.1	348.8	1.59	94					285.00	286.00	3152	164	45	51	3	82	326	12	8.34	<0.01	<0.01
348.8	351.9	3.04	98					286.00	287.00	2428	132	38	41	2	67	205	10	4.69	<0.01	<0.01
351.9	353	1.03	94					287.00	288.00	3414	134	34	37	3	195	282	13	5.60	<0.01	<0.01
353	EOH							288.00	288.70	3897	163	38	39	4	185	276	6	7.67	<0.01	<0.01
								288.70	290.00	5395	148	49	40	3	230	446	7	13.1	<0.01	<0.01
								290.00	291.00	5017	140	58	44	3	245	476	10	12.8	<0.01	<0.01
								291.00	292.00	4237	141	52	41	3	279	321	10	8.32	0.02	<0.01
								292.00	292.80	4448	113	54	55	3	368	392	36	11.4	0.05	<0.01
								292.80	294.00	2904	88	47	54	2	136	343	14	7.26	<0.01	<0.01
								294.00	295.00	1987	88	63	25	1	400	324	14	7.15	<0.01	<0.01
								295.00	296.00									9.54	<0.01	<0.01
								296.00	297.00	3027	139	37	37	3	569	269	5	10.1	0.04	<0.01
								297.00	298.00	904	95	32	23	2	252	168	6	5.45	0.02	<0.01
								298.00	299.00	318	84	38	33	1	671	354	6	13.8	0.05	<0.01
								299.00	300.00	1154	90	35	29	2	419	167	2	8.82	0.03	<0.01
								300.00	301.00	1695	71	41	29	2	161	176	4	4.80	<0.01	<0.01
								301.00	302.00	6688	116	36	33	3	180	226	8	6.18	0.04	<0.01
								302.00	303.00	6034	149	36	43	3	146	296	10	9.13	0.03	<0.01
								303.00	304.00	2688	99	33	41	2	590	243	10	11.4	0.10	<0.01
								304.00	305.00	2451	83	31	32	2	760	367	<1	14.5	0.06	<0.01

Structural symbols: MF main foliation, LF late foliation
BA clast alignment in breccia, CB compositional banding

Drillers'	Blocks	Recovery	Recovery	Geology	Petrology	Structure	Core	Assays	Cu	Pb	Zn	Ni	Ag	As	Co	Mo	S	Au	Pt
							305.00	306.00	214	39	23	17	1	123	119	2	4.67	<0.01	<0.01
							306.00	307.00	582	62	30	26	1	396	126	<1	6.03	<0.01	<0.01
							307.00	308.00	142	61	28	44	1	668	315	4	9.37	0.05	<0.01
							308.00	308.60	104	82	35	44	2	656	405	3	10.3	0.05	<0.01
							308.60	310.00	38	30	34	16	<1	<25	44	<1	0.89	<0.01	<0.01
							310.00	311.00	22	12	36	11	<1	<25	19	<1	0.05	<0.01	<0.01
							311.00	312.00	51	35	41	18	<1	<25	23	<1	0.04	<0.01	<0.01
							312.00	313.00	49	25	34	7	<1	<25	14	<1	0.04	<0.01	<0.01
							313.00	314.00	11	27	35	9	<1	<25	19	<1	0.03	<0.01	<0.01

Duplicates

		Cu	Pb	Zn	Ni	Ag	As	Co	Mo	S	Au	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		AAS	AAS	AAS	AAS	AAS	AAS			Leco	50 gm FA	50 gm FA
		10	10	10	10	1	50			0.01%	0.01 ppm	0.01 ppm
152.00	153.60	9	32	28	24	<1	<25	12	2		<0.01	<0.01
174.55	175.90	63	59	40	90	1	<25	41	7		<0.01	<0.01
199.00	200.48	4	44	25	29	1	<25	24	7		<0.01	<0.01
200.48	201.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.01	<0.01
219.00	220.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.01	<0.01
224.00	225.00	2640	106	61	28	1	188	201	<1	n/a	n/a	n/a
240.00	241.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.02	<0.01
248.00	249.00	373	31	29	18	<1	<25	50	<1	n/a	n/a	n/a
250.00	251.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.03	<0.01
270.00	271.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.03	<0.01
271.00	272.00	9383	66	45	48	2	84	77	8	n/a	n/a	n/a
292.00	292.80	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.05	<0.01
294.00	295.00	2014	93	71	30	1	347	313	16	n/a	n/a	n/a
313.00	314.00	9	22	39	15	<1	<25	16	<1	n/a	n/a	n/a

Diamond drill hole AP013**Magnetic Susceptibility (SI X 10⁻⁵)**

From (m)	To (m)	mag sus
64	65	140
65	66	170
66	67	140
67	68	120
68	69	70
69	70	130
70	71	120
71	72	160
72	73	160
73	74	180
74	75	180
75	76	180
76	77	170
77	78	180
78	79	170
79	80	180
80	81	190
81	82	150
82	83	210
83	84	200
84	85	170
85	86	140
86	87	190
87	88	200
88	89	170
89	90	180
90	91	200
91	92	210
92	93	170
93	94	100
94	95	230
95	96	230
96	97	240
97	98	250
98	99	230
99	100	160
100	101	190
101	102	200
102	103	180
103	104	100
104	105	200
105	106	190
106	107	190
107	108	190
108	109	180
109	110	160
110	111	180
111	112	170
112	113	180
113	114	170
114	115	160
115	116	170
116	117	170
117	118	180
118	119	150

Magnetic Susceptibility (SI X 10-5)

From (m)	To (m)	mag sus
119	120	160
120	121	170
121	122	120
122	123	180
123	124	190
124	125	150
125	126	150
126	127	160
127	128	140
128	129	130
129	130	180
130	131	140
131	132	200
132	133	200
133	134	180
134	135	170
135	136	180
136	137	130
137	138	140
138	139	120
139	140	120
140	141	130
141	142	100
142	143	180
143	144	130
144	145	70
145	146	190
146	147	170
147	148	180
148	149	170
149	150	130
150	151	130
151	152	190
152	153	150
153	154	170
154	155	160
155	156	200
156	157	180
157	158	160
158	159	180
159	160	190
160	161	190
161	162	170
162	163	180
163	164	150
164	165	200
165	166	190
166	167	200
167	168	200
168	169	190
169	170	180
170	171	180
171	172	190
172	173	210
173	174	180
174	175	160
175	176	230
176	177	190
177	178	200

Magnetic Susceptibility (SI X 10-5)

From (m)	To (m)	mag sus
178	179	210
179	180	130
180	181	210
181	182	190
182	183	200
183	184	170
184	185	140
185	186	120
186	187	190
187	188	210
188	189	210
189	190	200
190	191	210
191	192	200
192	193	210
193	194	210
194	195	230
195	196	160
196	197	80
197	198	200
198	199	190
199	200	180
200	201	200
201	202	160
202	203	200
203	204	190
204	205	170
205	206	210
206	207	230
207	208	200
208	209	250
209	210	180
210	211	150
211	212	200
212	213	230
213	214	190
214	215	200
215	216	200
216	217	150
217	218	210
218	219	230
219	220	10410
220	221	210
221	222	3680
222	223	140
223	224	50
224	225	260
225	226	200
226	227	280
227	228	200
228	229	330
229	230	260
230	231	370
231	232	220
232	233	220
233	234	180
234	235	220
235	236	240
236	237	200

Magnetic Susceptibility (SI X 10-5)

From (m)	To (m)	mag sus
237	238	190
238	239	180
239	240	220
240	241	200
241	242	200
242	243	190
243	244	240
244	245	220
245	246	200
246	247	190
247	248	180
248	249	190
249	250	200
250	251	200
251	252	200
252	253	410
253	254	220
254	255	170
255	256	230
256	257	220
257	258	70
258	259	2560
259	260	160
260	261	190
261	262	55900
262	263	180
263	264	230
264	265	250
265	266	250
266	267	270
267	268	190
268	269	250
269	270	180
270	271	210
271	272	230
272	273	300
273	274	200
274	275	230
275	276	190
276	277	400
277	278	240
278	279	260
279	280	23300
280	281	3500
281	282	2820
282	283	8500
283	284	1830
284	285	7160
285	286	69500
286	287	67000
287	288	83000
288	289	63600
289	290	26000
290	291	27800
291	292	86500
292	293	270
293	294	1150
294	295	1800
295	296	35500

Magnetic Susceptibility (SI X 10-5)

From (m)	To (m)	mag sus
296	297	109900
297	298	250
298	299	200
299	300	240
300	301	230
301	302	40000
302	303	84600
303	304	6830
304	305	250
305	306	210
306	307	270
307	308	210
308	309	200
309	310	220
310	311	250
311	312	220
312	313	200
313	314	230
314	315	240
315	316	250
316	317	260
317	318	260
318	319	240
319	320	220
320	321	250
321	322	290
322	323	250
323	324	260
324	325	180
325	326	180
326	327	200
327	328	190
328	329	170
329	330	190
330	331	190
331	332	210
332	333	190
333	334	180
334	335	160
335	336	230
336	337	180
337	338	170
338	339	210
339	340	160
340	341	160
341	342	170
342	343	150
343	344	150
344	345	120
345	346	120
346	347	150
347	348	150
348	349	130
349	350	150
350	351	110
351	352	120
352	353	140
353	EOH	

Stellar Resources Ltd
Alpine Prospect
Diamond drill hole AP013
Surveys



Depth (m)	Azimuth Magnetic	Dip
50	101	-90
100	184	-90
150	136	-87
200	141	-87
250	161	-86
300	165	-87
350	192	-87



DRILL LOG AP014

Stellar Resources Ltd
 EL46/2003, Alpine Prospect
 Diamond drill hole **AP014**



Collar coordinates: GPS MGA Zone 55 (GDA94) 341 140mE 5 376 626mN
 RL: (msl+2000) 2173 m
 Length: 284.1 m
 Azimuth: 337° Grid
 Dip: -60°
 Drilled: 2007, Boart Longyear
 Drill: Triple tube HQ/NQ
 Logged: Nic Turner, March, 2007

Drillers				Recovery		Recovery		Geology		Structure		Core Assays		Cu	Pb	Zn	Ni	Ag	As	Co	Mo	S	Au	Pt	Element
From (m)	To (m)	(m)	%	From (m)	To (m)	Description		Depth (m)	Alpha ⁰	From (m)	To (m)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	Units
																							Method		
																							Sensitivity		
0	3.1	0.29	9	0.00	30.80	Very strongly weathered phyllite with remnants of moderately weathered, pale olive mica-quartz phyllite increasing down hole. Brown organics at 0-3 m; minor pale orange limonite at 3-12.9 m; cream and white clay common after 12.9.						AAS	AAS	AAS	AAS	AAS	AAS	AAS				Leco	50 gm FA	50 gm FA	
3.1	6.4	0.76	23					18.0	0			10	10	10	10	10	10	10	10	10	10	0.01%	0.01 ppm	0.01 ppm	
6.4	6.9	0	0							96.00	97.00	251	86	1074	46	1	204	43	2	6.28	<0.01	<0.01	<0.01		
6.9	8.4	0.85	57	30.8	32.4	Core lost.				97.00	98.00	101	55	152	25	1	61	25	<1	0.85	<0.01	<0.01	<0.01		
8.4	?	0.9	?	32.4	36.6	Possible fault - dark grey to black pug with fragments (up to 15 mm) of milky quartz and black, graphitic, muscovite phyllite. Locally pyritic.				98.00	99.00	211	159	557	39	2	296	66	4	8.01	<0.01	<0.01	<0.01		
?	11.4	1.4	?							99.00	100.00	427	667	6558	32	3	435	74	1	24.7	0.04	<0.01	<0.01		
11.4	12.9	1.51	101	36.6	39.9	Very weathered, clayey. Mostly after pale olive, mica phyllite. 300 mm of breccia after 36.6 m; 350 mm of intruded contamination after 38.4 m		37.4	MF 30	100.00	101.00	652	1615	17300	35	7	507	104	2	30.0	0.06	<0.01	<0.01		
12.9	14.4	1.09	73							101.00	102.00	258	206	1057	29	2	156	49	1	8.53	<0.01	<0.01	<0.01		
14.4	15.9	1.4	93	39.9	44.4	Strong weathering persists to 41.8 m, then diminishes to weak weathering at 45.9 m. The lithologies comprise interbanded black, muscovite-quartz phyllite and pale grey, schistose, muscovitic quartzite. Thin (1-5 mm), mica-rich and quartz -rich laminae due to metamorphic differentiation define the main foliation. Thicker compositional banding of up to several tens of centimetres represents bedding. Chevron folds are locally developed in the main foliation.				102.00	103.00	49	96	427	45	2	<25	24	<1	0.87	<0.01	<0.01	<0.01		
15.9	17.4	1.42	95							103.00	104.00	69	224	429	35	1	46	23	<1	0.73	<0.01	<0.01	<0.01		
17.4	18.9	1.35	90							104.00	105.00	392	481	6908	35	3	196	69	2	11.5	0.03	<0.01	<0.01		
18.9	20.4	1.25	83							105.00	106.00	80	170	515	27	<1	<25	21	9	0.37	<0.01	<0.01	<0.01		
20.4	21.9	1.3	87							106.00	107.00	778	2836	21900	39	4	216	64	2	12.7	0.02	<0.01	<0.01		
21.9	23.4	1.25	83							107.00	108.00	375	1687	9465	39	3	216	60	<1	12.2	0.03	<0.01	<0.01		
23.4	24.9	1.3	87	44.4	48.4	Mainly black, muscovite-quartz phyllite. Substantial fine grained carbonate in the phyllite, also in minor interbanded schistose quartzite. Scattered, thin, cross cutting veinlets of cream and white carbonate, and quartz.				108.00	109.00	209	156	377	38	1	119	30	1	1.63	<0.01	<0.01	<0.01		
24.9	26.4	1.33	89							109.00	110.00	392	523	3836	32	2	32	81	<1	8.45	<0.01	<0.01	<0.01		
26.4	27.9	1.08	72																						
27.9	29.4	0.49	33	48.4	96	Interbanded dark grey to black, graphitic, muscovite-quartz phyllite and medium to pale grey, schistose micaceous quartzite. At about 60 m the mica begins to show pale green tints suggesting the presence of intergrown metamorphic chlorite. Minor carbonate throughout, mostly in more quartzose lithologies. Sparse cross cutting quartz-carbonate veinlets. Minor pyrite throughout. A little dark green chlorite in veins at 88.8-90.1 m.				134.00	135.00	708	1568	19800	47	4	1110	102	<1	21.8	0.05	<0.01	<0.01		
29.4	30.8	0.4	29					50	MF 60	135.00	136.00	309	180	1684	66	1	311	22	<1	6.13	<0.01	<0.01	<0.01		
30.8	32.4	0	0					60	MF 70	136.00	137.00	209	193	1329	33	1	129	16	<1	5.23	<0.01	<0.01	<0.01		
32.4	33.9	0.4	27					70	MF 65	137.00	138.00	169	137	1554	26	1	112	13	<1	2.88	<0.01	<0.01	<0.01		
33.9	35.4	0	0					80	MF 60	138.00	139.00	647	201	1063	40	2	296	61	<1	8.45	0.03	<0.01	<0.01		
35.4	36.1	0.8	114					89	MF 35	139.00	140.00	854	445	5597	46	1	258	38	<1	6.92	0.71	<0.01	<0.01		
36.1	36.3	0.2	100	96	110.2	Similar rocks, but with scattered ragged bands of massive pyrite sub-parallel to the main foliation. Pyrite bands are present at 96-96.5 m, 98.75-101.3 m (multiple, clearly cross cut the main foliation), 104-104.5 (multiple), 106.8-107.2 (cross cutting), 107.25-107.35 and 109.8-110. A few quartz-chlorite-white carbonate veins are present, parallel to the main foliation.				140.00	141.00	136	168	921	30	<1	<25	25	<1	2.36	<0.01	<0.01	<0.01		
36.3	36.8	0.2	40					100	MF 45	141.00	142.00	504	95	1021	37	1	118	24	<1	5.46	<0.01	<0.01	<0.01		
36.8	38	0.92	77					110	MF 40	142.00	143.00	579	143	108	76	1	577	47	<1	11.6	2.26	<0.01	<0.01		
38	38.4	0.4	100							143.00	144.00	278	93	283	48	1	234	29	5	3.16	<0.01	<0.01	<0.01		
38.4	39.9	0.55	48							144.00	145.00	659	118	767	56	1	269	40	7	4.28	<0.01	<0.01	<0.01		
39.9	41.4	0.47	31	110.2	143.3	Similar interbanded muscovite-quartz phyllite and schistose micaceous quartzite. The mica is mainly medium to pale grey muscovite with minor tints of green (?intergrown chlorite). Carbonate is disseminated throughout and also occurs in cross cutting quartz-carbonate-chlorite-pyrite veins. Veins are more common after 110 m. There are massive pyrite bands at 134.2-134.6 m (single, cross cutting band), 135.7-136.1 m (multiple, stringy), 137.45-137.65 m (stringy) 138.3-138.7 m (multiple, cross cutting), 139.3-140 m (multiple, thin), 141.67-143.3 m (multiple).				145.00	146.00	86	70	59	78	<1	261	0	1	0.27	<0.01	<0.01	<0.01		
41.4	42.9	1.4	93					120	MF 50	146.00	147.00	141	64	51	26	<1	205	20	7	0.48	<0.01	<0.01	<0.01		
42.9	44.4	1.3	87							147.00	148.00	74	78	53	4	<1	168	6	4	0.13	<0.01	<0.01	<0.01		
44.4	45.9	1.31	87					130	MF 55	148.00	149.00	69	95	93	28	1	139	16	4	0.21	<0.01	<0.01	<0.01		
45.9	47.4	1.32	88							149.00	150.00	568	84	47	35	1	411	84	2	5.64	0.03	<0.01	<0.01		
47.4	48.9	1.49	99					140	MF 70	150.00	151.00	94	102	106	19	1	86	22	<1	0.09	<0.01	<0.01	<0.01		
48.9	50.4	1.38	92							151.00	152.00	973	112	116	23	1	93	55	5	1.33	<0.01	<0.01	<0.01		
50.4	51.9	1.48	99							152.00	153.00	1346	81	101	26	1	154	103	<1	2.79	0.02	<0.01	<0.01		
51.9	52.4	1.33	87	143.3	149.7	Very fine grained, quartz-rich intervals interbanded with intervals of fine grained, dark greenish grey chlorite-feldspar schist with minor carbonate and quartz. The bands range 5-250 mm in thickness and are parallel to the main foliation. Thin, cross cutting quartz and carbonate veinlets occur throughout, but comprise less than 1% by volume of the rock. First positive identification of chalcocopyrite at 149.73 m, in a cross cutting carbonate veinlet.				153.00	153.60	1362	94	125	17	1	243	52	<1	1.24	<0.01	<0.01	<0.01		
52.4	54.9	1.5	100							153.60	155.00	82	89	110	28	1	213	5	2	0.53	<0.01	<0.01	<0.01		
54.9	56.4	1.52	101							155.00	156.00	137	77	75	18	<1	199	44	<1	0.83	0.02	<0.01	<0.01		
56.4	57.9	1.47	98							156.00	157.30	1676	123	115	15	2	262	91	<1	2.43	0.02	<0.01	<0.01		
57.9	59.4	1.49	99							157.30	158.00	5906	199	79	24	3	62	337	3	10.8	<0.01	<0.01	<0.01		
59.4	60.9	1.41	94							158.00	159.00	7671	187	113	251	3	457	482	6	12.2	0.02	<0.01	<0.01		
60.9	62.4	1.44	96	149.7	153.9	Dark green chlorite-feldspar-quartz schist with weak differentiation of chlorite and felsic minerals in places. Feldspar porphyroblastic in places. Minor pyrite throughout and a few blebs of chalcocopyrite in cross cutting quartz-carbonate veinlets.		150	MF 65	159.00	159.85	6765	208	87	24	3	123	441	2	16.0	0.03	<0.01	<0.01		
62.4	63.9	1.43	95							159.85	161.25	1198	128	244	21	2	297	109	<1	1.93	0.02	<0.01	<0.01		
63.9	65.4	1.5	100							161.25	162.00	4953	209	93	73	4	260	401	<1	9.17	0.02	<0.01	<0.01		
65.4	66.9	1.53	102							162.00	163.00	6455	219	81	26	4	219	349	2	8.87	<0.01	<0.01	<0.01		
66.9	68.4	1.45	97	153.9	156.5	Similar 143.3-149.87 m. A few bands contain black, graphitic stringers. About 3% of cross cutting veinlets.				163.00	163.75	9869	214	79	31	4	217	288	<1	8.18	<0.01	<0.01	<0.01		
68.4	69.9	2.34	156							163.75	165.00	8908	223	75	26	4	277	394	<1	10.8	<0.01	<0.01	<0.01		
69.9	71.4	1.52	101	156.5	157.3	Altered interval with massive, medium green silicification and very pale brown carbonate. Early, boudinaged quartz-carbonate veins present as well as late,				165.00	166.00	8432	211	79	31	4	218	269	<1	6.57	<0.01	<0.01	<0.01		
71.4	72.9	1.55	103							166.00	167.00	4516	208	73	19	4	263	411	<1	10.7	<0.01	<0.01	<0.01		

Drillers	Blocks	Recovery	Recovery	Geology	Structure	Core Assays	Cu	Pb	Zn	Ni	Ag	As	Co	Mo	S	Au	Pt	Element
182.4	185.4	2.71	90			Duplicates												
185.4	188.4	1.95	65															
188.4	191.4	0.98	33															
191.4	194.4	1.15	38															
194.4	196.3	1.02	54															
196.3	197.3	0.64	64															
197.3	198.9	0.9	44															
198.9	200	0.8	73															
200	201.2	0.25	21															
201.2	201.9	0.5	71															
201.9	202.9	0.5	50															
202.9	203.8	0.58	96															
203.8	203.9	0.05	50															
203.9	205	0.65	59															
205	205.6	0.6	100															
205.6	206.1	0.1	20															
206.1	207.3	0.86	72															
207.3	208.1	0.55	69															
208.1	208.2	0.03	30															
208.2	209.4	0.81	68															
209.4	210.3	0.75	83															
210.3	212.4	1.7	81															
212.4	215.4	1.98	66															
215.4	216.7	1	77															
216.7	218.4	1.41	83															
218.4	220.2	1.48	82															
220.2	221.4	0.99	83															
221.4	224.4	2.91	97															
224.4	227.1	2.37	88															
227.1	228.7	1.43	89															
228.7	229.5	0.4	50															
229.5	232.6	2.87	93															
232.6	235.8	2.9	91															
235.8	238.9	1.85	60															
238.9	242.1	3.52	110															
242.1	244.3	2	91															
244.3	245.4	1.02	85															
245.4	248.4	2.2	73															
248.4	250.5	1.93	92															
250.5	253.4	2.43	84															
253.4	255.6	1.9	86															
255.6	257.1	1	67															
257.1	258.5	1.2	86															
258.5	261.5	1.75	58															
261.5	262.3	0.4	50															
262.3	263.4	0.73	50															
263.4	264.5	0.25	23															
264.5	265.4	0.54	60															
265.4	265.9	0.45	90															
265.9	266.9	1	100															
266.9	269.1	1.15	52															
269.1	271.2	0.75	36															
271.2	272.4	1.2	100															
272.4	275.4	2.73	91															
275.4	277.4	1.35	68															
277.4	279.8	1.3	52															
279.8	281.4	1.5	94															
281.4	284.1	2.5	93															
284.1		EOH																

Core Assays	Cu	Pb	Zn	Ni	Ag	As	Co	Mo	S	Au	Pt	Element
From (m)	To (m)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	Units
		AAS	AAS	AAS	AAS	AAS	AAS		Leco	50 gm FA	50 gm FA	Method
		10	10	10	10	1	50		0.01%	0.01 ppm	0.01 ppm	Sensitivity
96.00	97.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.01	<0.01	
109.00	110.00	89	531	3838	36	2	86	86	<1	n/a	n/a	
134.00	135.00									0.04	<0.01	
152.00	153.00									0.02	<0.01	
156.00	157.30	1685	131	111	10	2	140	100	<1			
174.00	174.55									0.02	<0.01	
179.00	180.00	6901	200	73	22	4	200	375	5			
196.00	197.00									0.02	<0.01	
202.00	203.00	317	123	128	44	25	36	60	3			
218.00	219.00									<0.01	<0.01	
226.00	227.00	233	69	52	26	2	<25	26	<1			

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EL46/2003, Alpine Prospect

Diamond drill hole A0P14



Magnetic Susceptibility (SI X 10⁻⁵)

From (m)	To (m)	Mag.Sus. SI X 10 ⁻⁵
41	42	260
42	43	220
43	44	210
44	45	200
45	46	230
46	47	190
47	48	270
48	49	220
49	50	240
50	51	270
51	52	270
52	53	230
53	54	280
54	55	190
55	56	180
56	57	280
57	58	250
58	59	280
59	60	280
60	61	270
61	62	270
62	63	270
63	64	230
64	65	300
65	66	240
66	67	220
67	68	250
68	69	280
69	70	220
70	71	250
71	72	270
72	73	310
73	74	300
74	75	190
75	76	260
76	77	280
77	78	230
78	79	220
79	80	250
80	81	200
81	82	220
82	83	270
83	84	270
84	85	250
85	86	210
86	87	170
87	88	210
88	89	250

Magnetic Susceptibility (SI X 10⁻⁵)

From (m)	To (m)	Mag.Sus. SI X 10 ⁻⁵
89	90	240
90	91	230
91	92	240
92	93	200
93	94	260
94	95	270
95	96	170
96	97	180
97	98	160
98	99	160
99	100	200
100	101	250
101	102	230
102	103	180
103	104	180
104	105	140
105	106	220
106	107	260
107	108	200
108	109	250
109	110	150
110	111	190
111	112	190
112	113	230
113	114	260
114	115	270
115	116	270
116	117	250
117	118	220
118	119	250
119	120	200
120	121	200
121	122	170
122	123	170
123	124	140
124	125	150
125	126	190
126	127	170
127	128	170
128	129	330
129	130	250
130	131	340
131	132	290
132	133	250
133	134	180
134	135	210
135	136	150
136	137	190
137	138	210
138	139	140
139	140	240
140	141	240

Magnetic Susceptibility (SI X 10⁻⁵)

From (m)	To (m)	Mag.Sus. SI X 10 ⁻⁵
141	142	90
142	143	150
143	144	190
144	145	220
145	146	230
146	147	180
147	148	140
148	149	170
149	150	190
150	151	230
151	152	270
152	153	210
153	154	230
154	155	190
155	156	220
156	157	240
157	158	24000
158	159	21500
159	160	33800
160	161	250
161	162	42700
162	163	71000
163	164	108000
164	165	121000
165	166	78400
166	167	58400
167	168	85300
168	169	123000
169	170	130000
170	171	56500
171	172	660
172	173	72600
173	174	260
174	175	250
175	176	220
176	177	3720
177	178	25400
178	179	61000
179	180	400
180	181	29000
181	182	220
182	183	180
183	184	240
184	185	240
185	186	190
186	187	230
187	188	130
188	189	140
189	190	180
190	191	150
191	192	150
192	193	140

Magnetic Susceptibility (SI X 10-5)

From (m)	To (m)	Mag.Sus. SI X 10 ⁻⁵
193	194	120
194	195	170
195	196	140
196	197	140
197	198	140
198	199	170
199	200	170
200	201	180
201	202	110
202	203	120
203	204	110
204	205	90
205	206	190
206	207	190
207	208	130
208	209	130
209	210	170
210	211	140
211	212	140
212	213	150
213	214	140
214	215	180
215	216	200
216	217	110
217	218	120
218	219	140
219	220	130
220	221	110
221	222	120
222	223	160
223	224	170
224	225	170
225	226	170
226	227	150
227	228	110
228	229	190
229	230	120
230	231	200
231	232	180
232	233	200
233	234	160
234	235	230
235	236	160
236	237	200
237	238	220
238	239	180
239	240	190
240	241	190
241	242	200
242	243	210
243	244	170
244	245	160

Magnetic Susceptibility (SI X 10-5)

From (m)	To (m)	Mag.Sus. SI X 10 ⁻⁵
245	246	170
246	247	180
247	248	180
248	249	140
249	250	140
250	251	320
251	252	210
252	253	210
253	254	210
254	255	180
255	256	170
256	257	150
257	258	110
258	259	80
259	260	150
260	261	110
262	263	70
263	264	70
264	265	110
265	266	120
266	267	110
267	268	110
268	269	60
269	270	80
270	271	80
271	272	60
272	273	130
273	274	100
274	275	60
275	276	40
276	277	90
277	278	100
278	279	60
279	280	100
280	281	80
281	282	70
282	283	30
283	284	50
284		EOH

Stellar Resources Ltd
Alpine Prospect
Diamond drill hole AP014
Surveys



Depth (m)	Azimuth Magnetic	Dip
50	177	-62
100	202	-61
150	6	-61
200	331	-60
250	330	-60



DRILL LOG AP015

Stellar Resources Ltd
EL46/2003, Alpine Prospect
Diamond drill hole AP015



Collar coordinates: GPS MGA Zone 55 (GDA94) 341 497mE/5 376 717mN

RL: (msl+2000) 2185 m

Length: 272.3 m

Azimuth: 337° Grid

Dip: -60°

Drilled: 2007, Boart Longyear

Drill: Triple tube HQ/NQ

Logged: Nic Turner, April, 2007

Drillers				Recovery				Geology				Structure	
From (m)	To (m)	(m)	%	From (m)	To (m)	Description		Depth (m)	Alpha ⁰				
0	0.8	0	0	0.00	0.80	No recovery.							
0.8	2.3	0.27	18	0.8	2.3	Very well rounded pebbles and cobbles of milky quartz and minor quartzite.							
2.3	3.8	0.35	23	2.3	10.95	Greenish brown clay with relict granular texture after Tertiary basalt.							
3.8	6.8	1.27	42	10.95	27.02	Alternating weakly and moderately weathered Tertiary basalt with strong weathering at 11.3-12.1 m. Basalt textures include massive and even grained (dominant), amygdular, brecciated and, near the base, devitrified.							
6.8	8.3	0.82	55										
8.3	9.8	1.31	87										
9.8	11.3	1.48	99	27.02	33.95	Greenish brown to brown, coarse grained quartz sand that contains minor clay and organics. Also contains extremely well rounded and polished quartz granules.							
11.3	12.8	1.5	100										
12.8	14.3	0.93	62	33.95	68	Pale grey, schistose, muscovitic quartzite that displays strong metamorphic differentiation of quartz and muscovite into 0.5-5 mm laminae. These laminae are parallel to the main foliation and to bedding, which is defined by scattered layers of dark grey, graphitic, muscovite-quartz phyllite. Muscovite is of pale olive colour in the intervals 44.4-44.8 m, 50.7-51.3 m, 53.5-53.9 m, probably reflecting alteration. Minor carbonate is disseminated in the quartzite and there are widespread, sparse, thin, cross cutting, carbonate-quartz veinlets. Earlier, boudinaged and isoclinally folded quartz veins occur parallel to the main foliation.		40	MF 20				
14.3	16.8	1.37	55					48.8	MF 20				
16.8	18.3	0.92	61					48.8	B 20				
18.3	21.3	2.53	84					60	MF 10				
21.3	22.2	1.18	131										
22.2	22.8	0.58	97										
22.8	24.3	0.88	59										
24.3	25.8	1.54	103										
25.8	27.3	1.57	105	68	70.8	Very broken core of vein quartz and black phyllite. Minor clay present.		70.5	MF 5				
27.3	28.8	0	0	70.8	153.6	Dark grey, graphitic, muscovite-quartz phyllite with minor interbeds of black phyllite and pale grey, schistose quartzite. Disseminated pyrite is widespread and includes coarse (up to 6 mm), pre-foliation crystals at 146.1-153.6 m. Bedding is generally parallel to the main foliation, to metamorphic differentiation laminae, and to boudinaged and isoclinally folded quartz veins. A late, relatively weak foliation is associated with chevron folds in the main foliation at 101.7 m. Carbonate and pyrite occur in sparse, cross cutting veinlets. Intervals of late, brittle breccia occur at 88.75-89.3 m, 89.9-90.3 m, 93.3-93.45 m, 121.6-121.9 m and 135-138.5 m.		80	MF 15				
28.8	30.3	1.5	100					80	LF 15				
30.3	31.8	1.34	89					89.3	MF 0				
31.8	33.3	1.5	100					100	MF 45				
33.3	34.4	1.1	100					100	B 45				
34.4	35.7	1.2	92					110	LF 10				
35.7	37.8	0.9	43					120	MF 0				
37.8	40.4	1.57	60					130	MF 5				
40.4	41.5	0.2	18	153.6	163.1	Pale and medium grey, schistose, muscovitic quartzite with scattered, thin interbeds dark grey, graphitic, muscovite-quartz phyllite. Less than 1% of fine grained disseminated pyrite.		140	MF 10				
Rod count 40.5 m. Change PQ to HQ.								150	MF 5				
41.5	42.4	0.18	20					160	MF 12				
42.4	43.6	1.09	91	163.1	164.5	Very broken, puggy core of dark grey phyllite. Includes 0.1 m of massive pyrite.							
43.6	45.1	1.6	107	164.5	174.6	Phyllite with minor schistose quartzite. The phyllite is dark grey to 167.5 m, alternating black and pale olive at 167.5-168.5 m, then pale olive to 174.6 m. There are scattered cross cutting quartz and quartz-carbonate veinlets throughout.		170	MF 15				
45.1	46.1	1.2	120										
46.1	48.8	0.24	9										
48.8	50.3	0	0	174.6	192.76	Mainly schistose quartzite with pale olive muscovite and a few short intervals of dark grey, graphitic muscovite, then pervasive grey muscovite at 187.25-192.76 m. Minor cross cutting veinlets.		182	MF 15				
50.3	51.5	1.52	127					190	MF 20				
51.5	53.3	1.59	88										
53.3	54.5	0.98	82	192.76	197.7	Mainly dark grey phyllite with a little schistose quartzite.							
54.5	56.1	1.47	92	197.7	203.5	Black phyllite with disseminated, coarse grained (up to 7 mm), euhedral pyrite grains that predate the main foliation. Minor cross cutting veinlets.		200	MF 45				
56.1	57.2	1.2	109										
57.2	58.7	1.51	101	203.5	232.2	Pale and medium grey, schistose, muscovitic quartzite with scattered, thin beds of dark grey, graphitic, muscovite-quartz phyllite. Minor carbonate in the quartzite and in cross cutting, quartz-carbonate veinlets. Minor pyrite throughout and as common, stringy, massive veins at 207-208.4 m.		210	MF 25				
58.7	60.4	1.55	91										
60.4	61.9	1.6	107										
61.9	63.4	1.55	103										
63.4	65	1.55	97	232.2	235	Medium to dark grey phyllite. Minor pyrite. Coherent breccia at 234.3-235.3 m.							
65	66.5	1.55	103	235	241	Schistose muscovitic quartzite with a few blebs and thin bands of pyrite. Coherent breccia 238.2-238.6 m. Intense quartz-carbonate veining with minor pyrite at 238.2-241 m.		241	MF 25				
66.5	68	1.25	83										
68	69	0.53	53										
69	69.8	0.29	36	241	246.6	Grey phyllite.							
69.8	70.8	0.32	32	246.6	272.3	Schistose muscovitic quartzite with scattered, very thin beds of dark grey phyllite. Minor disseminated pyrite throughout. Minor disseminated carbonate in the quartzite with a strongly leached interval of very broken core at 247.7-248.4 m. The							
70.8	72.4	1.5	94					250	MF 20				
72.4	73.4	0.91	91					260	MF 55				

Drillers	Blocks	Recovery	Recovery	Geology		Structure	
73.4	74	0.87	145				
74	76.6	1.47	57				
76.6	78.2	1.41	88	272.3	mica displays greenish tints after 261 m, probably due to intergrown metamorphic chlorite.	270	MF 60
78.2	79.8	1.5	94				
79.8	81.2	1.3	93				
81.2	82.8	1.5	94				
82.8	83.7	1.04	116				
83.7	86.3	2.46	95				
86.3	87.8	1.5	100				
87.8	89.1	1.1	85				
89.1	89.7	0.53	88				
89.7	90.5	0.7	88				
90.5	92.1	1.6	100				
92.1	93.7	1.5	94				
93.7	95.3	0.9	56				
95.3	96.7	1.3	93				
96.7	98.2	1.57	105				
98.2	99.7	1.6	107				
99.7	101.3	1.66	104				
101.3	102.8	1.43	95				
102.8	104.3	1.54	103				
104.3	105.8	1.4	93				
105.8	107.3	1.6	107				
107.3	108.8	1.4	93				
108.8	110.3	1.57	105				
110.3	111.8	1.43	95				
111.8	114.8	3.08	103				
114.8	116.3	1.55	103				
116.3	119.3	3.04	101				
119.3	120.8	1.33	89				
120.8	122.3	1.5	100				
122.3	123.8	1.5	100				
123.8	125.3	2.53	169				
125.3	126.8	1.6	107				
126.8	128.3	1.5	100				
128.3	129.8	1.4	93				
129.8	131.3	1.43	95				
131.3	132.8	1.56	104				
132.8	134.3	1.5	100				
134.3	135.8	1.5	100				
135.8	137.3	1.5	100				
137.3	138.5	1.2	100				
138.5	140.2	1.45	49				
140.2	141.7	1.5	100				
141.7	143	1.15	88				
143	144.6	1.48	93				
144.6	146.1	1.46	97				
146.1	147.5	1.5	107				
147.5	149.1	1.5	103				
149.1	150.5	1.44	103				
150.5	152.1	1.5	94				
152.1	153.6	1.5	100				
153.6	155.2	1.5	94				
155.2	156.8	1.55	97				
156.8	158.2	1.61	101				
158.2	159.8	1.55	97				
159.8	161.3	1.55	103				
161.3	162.8	1.54	103				
162.8	163.8	0.84	84				
163.8	?	0.12	?				
Change HQ to NQ							
?	164.5	0.04	?				
164.5	165.7	1.1	92				
165.7	166.8	0.95	86				

Structural symbols: MF main foliation, LF late foliation, B bedding

Drillers	Blocks	Recovery	Recovery	Geology	Structure
166.8	168.5	1.5	88		
168.5	171.5	3	100		
171.5	174.6	3.02	97		
174.6	176.3	4.83	284		
176.3	182.3	3.04	51		
182.3	185.3	2.9	97		
185.3	188.3	2.95	98		
188.3	191.3	3.03	101		
191.3	194.3	3.04	101		
194.3	197.3	3.08	103		
197.3	199	0.8	47		
199	199.8	0.53	66		
199.8	201.4	0.9	56		
201.4	203.3	0.66	35		
203.3	204.5	1.07	89		
204.5	210.7	9	145		
210.7	216.8	3	49		
216.8	219.8	3	100		
219.8	222.9	3	97		
222.9	226	2.85	92		
226	229.1	3.08	99		
229.1	232.2	3.01	100		
232.2	235.3	3.02	100		
235.3	238.4	3.06	99		
238.4	241.5	3.1	100		
241.5	244.6	3.1	100		
244.6	245.6	0.9	90		
245.6	247.7	1.92	91		
247.7	249.6	1.65	87		
249.6	249.9	0.15	50		
249.9	?249.9?	1.51	?		
?249.9?	250.6	0.38	?		
250.6	254.6	1.7	57		
Rod count	248.3 m.				
248.3	251.3	2.87	96		
251.3	254.3	2.99	100		
254.3	257.3	3.08	103		
257.3	260.3	3.03	101		
260.3	263.3	3	100		
263.3	266.3	2.87	96		
266.3	269.3	3.1	103		
269.3	272.3	2.98	99		
272.3		EOH			

**Diamond drill hole AP015****Magnetic Susceptibility**

From (m)	To (m)	Mag.Sus. SI X 10 ⁻⁵
34	35	272
35	36	205
36	37	179
37	38	270
38	39	270
39	40	160
40	41	240
41	42	220
42	43	260
43	44	270
44	45	280
45	46	260
46	47	core loss
47	48	core loss
48	49	core loss
49	50	core loss
50	51	250
51	52	260
52	53	240
53	54	260
54	55	250
55	56	240
56	57	170
57	58	270
58	59	250
59	60	270
60	61	240
61	62	240
62	63	230
63	64	190
64	65	220
65	66	200
66	67	230
67	68	230
68	69	220
69	70	190
70	71	220
71	72	200
72	73	180
73	74	230
74	75	210
75	76	150
76	77	230
77	78	230

Magnetic Susceptibility

78	79	260
79	80	240
80	81	240
81	82	190
82	83	230
83	84	210
84	85	230
85	86	240
86	87	190
87	88	230
88	89	290
89	90	290
90	91	250
91	92	250
92	93	260
93	94	270
94	95	90
95	96	230
96	97	230
97	98	130
98	99	220
99	100	270
100	101	200
101	102	230
102	103	210
103	104	190
104	105	180
105	106	170
106	107	200
107	108	190
108	109	200
109	110	170
110	111	210
111	112	200
112	113	170
113	114	230
114	115	230
115	116	250
116	117	240
117	118	230
118	119	300
119	120	270
120	121	260
121	122	180
122	123	170
123	124	200
124	125	240
125	126	240
126	127	260
127	128	200
128	129	170

Magnetic Susceptibility

129	130	220
130	131	200
131	132	220
132	133	130
133	134	150
134	135	240
135	136	180
136	137	190
137	138	140
138	139	230
139	140	230
140	141	320
141	142	290
142	143	210
143	144	310
144	145	290
145	146	180
146	147	140
147	148	330
148	149	190
149	150	180
150	151	260
151	152	250
152	153	280
153	154	260
154	155	180
155	156	200
156	157	120
157	158	230
158	159	220
159	160	250
160	161	250
161	162	220
162	163	220
163	164	250
164	165	110
165	166	230
166	167	330
167	168	310
168	169	310
169	170	180
170	171	210
171	172	110
172	173	180
173	174	250
174	175	250
175	176	190
176	177	200
177	178	170
178	179	200
179	180	210

Magnetic Susceptibility

180	181	200
181	182	200
182	183	210
183	184	210
184	185	180
185	186	190
186	187	200
187	188	170
188	189	160
189	190	220
190	191	220
191	192	210
192	193	180
193	194	230
194	195	230
195	196	140
196	197	270
197	198	290
198	199	310
199	200	240
200	201	300
201	202	340
202	203	230
203	204	230
204	205	190
205	206	180
206	207	240
207	208	210
208	209	280
209	210	210
210	211	160
211	212	210
212	213	200
213	214	170
214	215	170
215	216	180
216	217	180
217	218	190
218	219	180
219	220	140
220	221	130
221	222	150
222	223	140
223	224	270
224	225	200
225	226	120
226	227	180
227	228	180
228	229	190
229	230	210
230	231	200

Magnetic Susceptibility

231	232	190
232	233	180
233	234	190
234	235	190
235	236	180
236	237	140
237	238	200
238	239	200
239	240	220
240	241	230
241	242	230
242	243	230
243	244	220
244	245	220
245	246	220
246	247	220
247	248	250
248	249	250
249	250	270
250	251	250
251	252	280
252	253	broken
253	254	broken
254	255	broken
Rod count 248.3 m.		
248	249	260
249	250	270
250	251	180
251	252	170
252	253	150
253	254	140
254	255	170
255	256	180
256	257	180
257	258	180
258	259	190
259	260	190
260	261	210
261	262	210
262	263	200
263	264	210
264	265	220
265	266	200
266	267	230
267	268	230
268	269	250
269	270	140
270	271	220
271	272	300
272.3		EOH

Stellar Resources Ltd

Alpine Prospect

**Diamond drill hole AP015
Surveys**



Depth (m)	Azimuth Magnetic	Dip
50	173	-62
100	162	-62
150	151	-62
200	323	-62
250	320	-63



DRILL LOG AP016

Stellar Resources Ltd
 EL46/2003, Alpine Prospect
 Diamond drill hole **AP016**



Collar coordinates: GPS MGA Zone 55 (GDA94) 341 264mE 5 376 637mN
 RL: (msl+2000) 2172 m
 Length: 205 m
 Azimuth: 337° Grid
 Dip: -60°
 Drilled: 2007, Boart Longyear
 Drill: Triple tube HQ/NQ
 Logged: Nic Turner, April/May, 2007

Drillers				Recovery				Geology		Structure		Core Assays		Cu	Pb	Zn	Ni	Ag	As	Co	Mo	S	Au	Pt	Element
From (m)	To (m)	(m)	%	From (m)	To (m)	Description		Depth (m)	Alpha ^o	From (m)	To (m)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	Units	
																							50 gm FA	50 gm FA	Method
0	1	0	0	0.00	2.50	Core lost						AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	Leco	50 gm FA	50 gm FA		
1	2.5	0	0	2.5	4	Pale grey clay with relict granular texture. After Tertiary basalt.						10	10	10	10	10	1	50	5	10	0.01%	0.01 ppm	0.01 ppm		
2.5	4	0.54	36	4	8.4	Coarse grained sand with very well rounded, polished, quartz granules. Orange with limonite/goethite seams to 7.7 m, then medium grey.				48	49	331	1447	13300	32	5	218	35	6	12.2	0.02	<0.01			
4	5.5	0.6	40							49	50	801	1153	2603	38	9	315	41	6	23.5	0.02	<0.01			
5.5	7	0.24	16	8.4	24.5	Muscovite-quartz phyllite and minor schistose, muscovitic quartzite. Very strongly weathered 8.4-19 m, moderately weathered 19-24.5 m. Intervals with pale olive muscovite at 14.5-16.13 m, 18.85-19 m, 22-24.5 m.				50	51	782	962	1928	35	8	266	38	3	16.5	0.03	<0.01			
7	8.5	1.2	80							51	52	1011	483	2211	47	6	590	94	3	32.1	0.07	<0.01			
8.5	10	1	67							52	53	360	138	3173	28	2	164	38	3	7.57	0.01	<0.01			
10	11.5	0	0	24.5	25.67	Brecciated vein material comprising milky quartz, white carbonate and tarnished sulphide. All contained in a matrix of black, graphitic, muscovite-quartz pelite.		21	MF 0																
11.5	13	0.16	11							64	65	106	72	539	34	<1	86	17	2	1.41	<0.01	<0.01			
13	14.5	0.47	31	25.67	30.3	Weakly weathered, dark grey, graphitic muscovite-quartz phyllite with a few thin, pale grey, schistose, muscovitic quartzite bands. Minor carbonate and pyrite throughout. Friable in places due to leaching of carbonate.				65	66	743	488	27300	50	4	283	77	3	20.5	0.02	<0.01			
14.5	16	0.6	40							30	MF 45	66	67	266	65	364	34	1	228	32	2	3.84	<0.01	<0.01	
16	17.5	1.2	80							67	68	56	55	214	29	<1	141	24	2	1.04	<0.01	<0.01			
17.5	19	0.76	51	30.3	37.8	Pale grey to pale olive, schistose muscovitic quartzite. Abundant calcite-quartz veinlets at 34.8-37.8 m. Massive pyrite bands up to 40 mm thick at 36.5-36.8 m.				68	69	38	52	132	52	<1	90	19	1	0.37	<0.01	<0.01			
19	20.5	0.35	23							69	70	170	53	178	33	<1	134	35	5	0.98	<0.01	<0.01			
20.5	22	0.62	41	37.8	44.25	Similar to 25.67-30.3 m. Calcite-quartz veinlets common with minor dark green chlorite in the veinlets at 43.5-44.25 m. Minor pyrite throughout.				40	MF 25	70	71	204	212	763	26	1	90	26	2	1.10	<0.01	<0.01	
22	23.5	1.44	96							71	72	976	238	337	38	2	165	73	3	5.69	<0.01	<0.01			
23.5	24.5	0.38	38	44.25	61.4	Pale grey, thinly bedded, schistose, muscovitic quartzite with scattered bands of dark grey phyllite up to 120 mm thick. The compositional layering is generally parallel to the main foliation and to the 1-5 mm metamorphic banding of quartz and muscovite that is associated with the main foliation. Several massive pyrite bands occur at 48-52.1 m. Around 54.5 m the main foliation cuts the compositional banding at a high angle.				72	73	2492	135	63	33	2	178	234	8	13.1	0.01	<0.01			
24.5	25	0.53	106							50	MF 35	73	74	3227	85	53	18	1	92	246	1	11.6	<0.01	<0.01	
25	26.5	1.26	84							74	75	3614	101	42	20	2	98	304	1	14.3	<0.01	<0.01			
26.5	28	1.53	102							60	MF 20	75	76	3776	97	46	19	2	81	334	2	15.3	<0.01	<0.01	
28	29.5	1.48	99							76	77	10300	79	75	28	1	90	279	3	11.6	<0.01	<0.01			
29.5	30.8	1.2	92	61.4	72.1	Mainly relatively massive, interbanded, dark grey, fine grained rocks and pale grey quartz-rich rocks. The massive rocks are probably altered, and after metasedimentary protoliths. Grey phyllite is present near 61.4 m. There are massive pyrite bands at 65.3-65.7 m, but pyrite is minor elsewhere. Shearing and ?talcose alteration occur at 69.4-70.7 m, followed by graphitic cataclasite at 70.7-71.4 m. The first recognised occurrence of chalcopyrite is at 72.05 m in a thin (2 mm) carbonate-quartz veinlet. Veinlets with pale brown carbonate, white carbonate and quartz are common throughout the interval 61.4-72.1 m.				77	78	3315	77	104	18	1	122	247	4	12.6	<0.01	<0.01			
30.8	32.4	1.47	92							78	79	10500	92	90	27	2	95	379	5	16.7	<0.01	<0.01			
32.4	33.7	1.17	90							79	80	8850	80	40	17	1	73	224	10	11.7	<0.01	<0.01			
33.7	35.2	1.35	90							80	81	4352	109	115	26	2	112	211	6	11.3	<0.01	<0.01			
35.2	36.8	1.5	94							70	MF 10	81	82	4019	101	132	25	2	121	200	8	11.0	0.01	<0.01	
36.8	38.3	1.45	97							82	83	10800	97	44	16	1	128	217	12	11.0	<0.01	<0.01			
38.3	39.3	0.9	90							83	84	5395	84	53	19	1	90	200	5	9.85	<0.01	<0.01			
39.3	40	0.75	107							84	85	8815	95	85	20	2	70	302	4	13.4	<0.01	<0.01			
40	41.5	1.3	87	72.1	80.3	There is a sharp contact at 72.1 m against massive pyrite-carbonate-quartz, followed by a transition through banded quartz-carbonate-pyrite-magnetite with magnetite increasing to another sharp contact at 72.7 m. The magnetite is brecciated and forms a crude, stringy, planar alignment with massive pyrite forming the matrix. After 72.7 m the magnetite content is greater and the brecciated character persists with blocks of magnetite and banded magnetite-carbonate-quartz-red hematite contained in a matrix of massive pyrite. A little chalcopyrite occurs as strings of fine grains parallel to the banding, but is more prominent in thin (up to 3 mm), cross cutting veinlets. Dark green chlorite is prominent in the interval 75.9-78.43 m, which includes a block at 76.85 m that comprises remnant, coarse grained amphibole in a finer grained matrix of chlorite (?mafic metaigneous). Chalcopyrite appears to be more common in the chloritic interval.				73	MF 35	85	86	9314	76	69	16	1	89	229	3	12.0	<0.01	<0.01	
41.5	42.7	1	83							86	87	8144	79	116	20	1	90	282	3	14.4	<0.01	<0.01			
42.7	43.8	1	91							87	88	2940	82	142	20	1	204	155	2	7.13	<0.01	<0.01			
43.8	45.1	1	77							88	89	989	61	72	34	1	274	92	3	4.10	<0.01	<0.01			
45.1	46	0.86	96							89	90	100	62	121	27	<1	98	28	3	1.01	<0.01	<0.01			
46	47.3	1.15	88							90	91	122	72	583	42	1	66	31	3	3.21	<0.01	<0.01			
47.3	48	0.63	90									156	157	51	56	94	36	1	148	22	4	1.52	<0.01	<0.01	
48	49	0.87	87									157	158	186	76	207	31	1	114	24	3	5.57	<0.01	<0.01	
49	50.5	1.48	99									158	159	95	60	65	30	1	130	24	4	2.07	<0.01	<0.01	
50.5	52	1.39	93									159	160	804	135	41	40	1	93	51	5	11.5	<0.01	<0.01	
52	53.1	0.9	82									160	161	341	59	149	32	1	96	36	3	3.18	<0.01	<0.01	
53.1	54.2	0.68	62									161	162	214	55	32	31	1	92	43	5	2.74	<0.01	<0.01	
54.2	55.7	0.9	60	80.3	81.8	Cross cutting breccia of mainly angular pyrite fragments in an abundant matrix of white carbonate.						162	163	557	54	58	28	<1	82	78	5	3.93	<0.01	<0.01	
55.7	57.2	1	67									163	164	1082	69	64	33	1	49	69	6	2.64	<0.01	<0.01	
57.2	58.1	0.75	83	81.8	87.4	Banded magnetite-pyrite-carbonate-quartz rocks, but with massive pyrite becoming dominant downhole. Chalcopyrite occurs in fractures.				84	MF 40	164	165	3582	75	37	28	1	94	77	4	3.18	<0.01	<0.01	
58.1	59.5	1.08	77									165	166	4826	79	49	33	2	172	125	4	7.98	<0.01	<0.01	
59.5	61	1.3	87	87.4	87.65	Very broken core exhibiting strong weathering to clay. Possibly a fault.						166	167	3712	108	122	34	3	173	236	6	16.9	0.05	<0.01	
61	62.5	0.81	54	87.65	89	Well bedded quartzite with low muscovite content and weak metamorphic banding parallel to bedding.						167	168	5141	68	35	39	1	237	144	6	11.8	0.07	<0.01	
62.5	63.9	0.9	64									168	169	732	43	24	34	<1	77	43	7	1.82	0.01	<0.01	
63.9	65.5	1.36	85	89	94.4	Mainly dark grey and medium grey, graphitic, muscovite-quartz phyllite.				91	MF 45	169	170	263	59	20	44	<1	58	35	5	1.65	<0.01	<0.01	
65.5	67	1.15	77	94.4	128	Medium to pale grey, schistose muscovitic quartzite with a few thin intervals of				100	MF 50	169	170	263	59	20	44	<1	58	35	5	1.65	<0.01	<0.01	

Drillers	Blocks	Recovery	Recovery	Geology		Structure	Core Assays		Cu	Pb	Zn	Ni	Ag	As	Co	Mo	S	Au	Pt	Element
67	67.8	0.74	93			110	MF 60	170	171	411	69	39	35	<1	140	33	4	1.39	0.01	<0.01
67.8	68.4	0.56	93	128	135.5	120	MF 60	171	172	114	55	19	34	<1	130	32	5	3.13	<0.01	<0.01
68.4	69.4	0.8	80			130	MF 65	172	173	963	46	22	49	<1	153	47	5	2.61	0.03	<0.01
69.4	70.7	1.05	59					173	174	2316	117	26	34	2	688	273	7	27.8	0.01	<0.01
70.7	72.7	1.2	60					174	175	5483	54	12	23	1	264	110	4	7.36	0.02	<0.01
72.7	73	0.93	310	135.5	136.1			175	176	2794	73	40	33	1	240	103	4	5.28	0.03	<0.01
73	74.5	1.39	93	136.1	155.9	140	MF 70	176	177	3047	66	30	27	1	199	79	3	4.16	0.02	<0.01
74.5	76	1.51	101			150	MF 45	177	178	1976	61	69	29	1	212	50	4	3.23	0.02	<0.01
76	77.5	1.36	91					178	179	3280	58	101	27	1	210	55	4	3.19	0.02	<0.01
77.5	79	1.61	107					179	180	2936	74	147	26	1	223	72	4	4.47	0.03	<0.01
79	80.5	1.44	96	155.9	162.9			180	181	1455	87	137	40	1	401	154	5	9.67	0.04	<0.01
80.5	82	1.47	98					181	182	3026	77	304	32	1	225	86	3	4.10	0.04	<0.01
82	83.5	1.3	87			160	MF 25	182	183	2770	76	272	29	1	250	48	4	2.47	0.03	<0.01
83.5	85	1.42	95					183	184	1292	60	199	30	1	296	38	6	1.96	0.02	<0.01
85	85.8	0.47	59	162.9	181.2			184	185	2969	64	168	38	1	429	65	4	4.40	0.05	<0.01
85.8	85.9	0.08	80			171	MF 40	185	186	204	72	244	41	1	229	34	4	2.42	0.02	<0.01
85.9	86	0.09	90					186	187	4176	112	494	73	2	959	210	6	13.6	0.01	<0.01
86	87.6	1.08	68					187	188	2468	158	345	37	2	224	89	5	6.55	0.07	<0.01
87.6	89.2	1	63					188	189	2145	132	159	24	2	134	144	5	8.80	0.01	<0.01
89.2	90.4	0.96	80			180	MF 30	189	190	4615	119	93	28	2	149	205	7	11.0	0.01	<0.01
90.4	91	0.75	125					190	191	3670	116	78	25	2	134	247	6	13.0	0.01	<0.01
91	92.8	0.77	43	181.2	184.7			191	192	6554	110	81	23	2	114	228	6	11.6	0.02	<0.01
92.8	93.3	1.09	218	184.7	188.4	187.4	F 15	192	193	3417	112	97	24	3	248	233	5	11.1	0.04	<0.01
93.3	94	0.78	111	188.4	201.5			193	194	3638	133	116	29	3	204	216	5	10.5	0.02	<0.01
94	95.6	1.52	95			190	MF 40	194	195	5182	128	66	29	3	230	311	4	14.7	0.03	<0.01
95.6	?	0.62	?					195	196	4215	96	59	24	2	90	134	4	6.43	0.02	<0.01
Change HO to NO - no block			58			200	MF 55	196	197	4429	86	47	21	1	88	142	5	6.35	0.01	<0.01
?	98.4	1	?					197	198	13500	128	64	34	3	116	424	6	19.5	<0.01	<0.01
98.4	100.1	0.48	28					198	199	4563	92	58	24	2	92	259	7	8.33	<0.01	<0.01
100.1	101.4	1.04	80	201.5	205	204	MF 60	199	200	4343	104	58	30	2	102	256	7	12.3	<0.01	<0.01
101.4	103.4	1.17	59					200	201	4729	107	37	36	2	101	317	14	14.2	<0.01	<0.01
103.4	104.3	0.57	63					201	202	2274	216	37	34	3	244	185	11	16.5	<0.01	<0.01
104.3	107.4	0.25	63	205				202	203	2583	133	59	26	2	189	180	34	7.53	<0.01	<0.01
107.4	108.4	0.6	60					203	204	2095	94	58	25	2	136	101	15	6.52	<0.01	<0.01
108.4	109.7	0.48	37					204	205	2334	93	52	32	2	190	148	13	4.70	<0.01	<0.01
109.7	110.2	0.35	70																	
110.2	111.6	1.06	76																	
111.6	112.2	0.51	85																	
112.2	113.2	0.5	50																	
113.2	114.6	0.6	59																	
114.6	116.4	0.14	7																	
116.4	118.4	0.09	5																	
118.4	119.3	0.2	22																	
119.3	120.6	0.1	8																	
120.6	122.4	1.26	70																	
122.4	124.9	0.68	27																	
124.9	127.2	0.38	17																	
127.2	127.7	0.37	74																	
127.7	128.4	0.64	91																	
128.4	130.9	2.05	82																	
130.9	131.9	0.85	85																	
131.9	133	0.77	70																	
133	134	0.3	30																	
134	134.2	0	0																	
134.2	135.1	0.57	63																	
135.1	136.1	0.47	47																	
136.1	137.2	1.07	97																	
137.2	137.9	0.4	57																	
137.9	138.6	0.16	23																	
138.6	139.7	1.07	97																	
139.7	140.4	0.46	66																	
140.4	142.9	0.6	24																	
142.9	143.2	0.4	133																	
143.2	143.9	0.45	64																	

Structural symbols: MF main foliation, F fault

Duplicates

Core Assays		Cu	Pb	Zn	Ni	Ag	As	Co	Mo	S	Au	Pt	Element
From (m)	To (m)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	Units
		AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	Leco	50 gm FA	50 gm FA	Method
		Sensitivity											
		10	10	10	10	1	50	5	10	0.01%	0.01 ppm	0.01 ppm	
49	50	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
81	82	4132	101	132	26	2	91	198	8	n/a	<0.01	<0.01	
166	167	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.05	<0.01	
169	170	257	54	17	43	<1	47	36	6	n/a	n/a	n/a	
187	188	2414	154	350	37	2	285	92	5	n/a	0.07	<0.01	
204	205	2315	93	54	33	2	193	145	13	n/a	n/a	n/a	

Drillers	Blocks	Recovery	Recovery	Geology	Structure	Core Assays	Cu	Pb	Zn	Ni	Ag	As	Co	Mo	S	Au	Pt	Element
143.9	144.4	0.23	46															
144.4	145.3	0.76	84															
145.3	146.5	1.06	88															
146.5	147	0.53	106															
147	147.7	0.4	57															
147.7	148.5	0.7	88															
148.5	149.2	0.47	67															
149.2	149.8	0.6	100															
149.8	151.2	1.1	79															
151.2	152	0.66	83															
152	152.5	0.47	94															
152.5	153.1	0.45	75															
153.1	155.4	1.87	81															
155.4	155.9	0.08	16															
155.9	156.9	0.62	62															
156.9	157.8	0.68	76															
157.8	158.4	0.54	90															
158.4	159.2	0.4	50															
159.2	160.8	1.46	91															
160.8	161.4	0.6	100															
161.4	162.7	0.97	75															
162.7	163.4	0.67	96															
163.4	164.4	0.23	23															
164.4	165.5	0.3	27															
165.5	166	0.4	80															
166	166.7	0.3	43															
166.7	167.3	0.06	10															
167.3	167.9	0.4	67															
167.9	168.6	0.5	71															
168.6	169.3	0.2	29															
169.3	170.4	0.35	39															
170.4	170.9	0.13	26															
170.9	171.8	0.73	81															
171.8	172.1	0.15	50															
172.1	173	0.2	22															
173	173.8	0.68	85															
173.8	175	0.35	29															
175	176.4	0.5	36															
176.4	177.5	0.74	67															
177.5	178.9	1.07	76															
178.9	180	0.77	70															
180	180.2	0.15	75															
180.2	180.6	0.37	93															
180.6	181.2	0.25	42															
181.2	182.4	0.4	33															
182.4	182.9	0.12	24															
182.9	183.7	0.78	98															
183.7	184.3	0.43	72															
184.3	184.7	0.27	68															
184.7	187	1.99	87															
187	188.4	1.3	93															
188.4	189.8	1.04	74															
189.8	190.7	0.44	49															
190.7	191.3	0.48	80															
191.3	192.1	0.73	91															
192.1	193.8	1.6	94															
193.8	194.4	0.27	45															
194.4	196.6	2.1	95															
196.6	198.2	1.2	75															
198.2	200.4	2.33	106															
200.4	202.1	1.12	66															
202.1	203.1	1.36	136															
203.1	205	1	53															
205		EOH																

Diamond drill hole A0P16

Magnetic Susceptibility (SI X 10⁻⁵)



From (m)	To (m)	Mag.Sus. SI X 10 ⁻⁵
30	31	190
31	32	210
32	33	160
33	34	140
34	35	150
35	36	250
36	37	160
37	38	230
38	39	250
39	40	260
40	41	280
41	42	260
42	43	190
43	44	260
44	45	240
45	46	216
46	47	200
47	48	250
48	49	200
49	50	380
50	51	350
50	52	400
52	53	370
53	54	330
54	55	350
55	56	320
56	57	340
57	58	300
58	59	330
59	60	270
60	61	140
61	62	180
62	63	230
63	64	200
64	65	210
65	66	270
66	67	190
67	68	240
68	69	350
69	70	320
70	71	340
71	72	350
72	73	10500
73	74	97400
74	75	48800
75	76	67700
76	77	9450
77	78	25500
78	79	46100
79	80	2370
80	81	640

Magnetic Susceptibility (SI X 10-5)

From	To	Mag.Sus.
81	82	560
82	83	2470
83	84	71300
84	85	15800
85	86	550
86	87	502
87	88	840
88	89	160
89	90	350
90	91	320
91	92	210
92	93	300
93	94	260
94	95	270
95	96	260
96	97	290
97	98	280
98	99	280
99	100	270
100	101	290
101	102	310
102	103	280
103	104	290
104	105	290
105	106	core lost
106	107	core lost
107	108	310
108	109	300
109	110	310
110	111	180
111	112	160
112	113	210
113	114	140
114	115	120
115	116	core lost
116	117	core lost
117	118	core lost
118	119	110
119	120	core lost
120	121	170
121	122	170
122	123	190
123	124	150
124	125	core lost
125	126	core lost
126	127	core lost
127	128	200
128	129	300
129	130	310
130	131	260
131	132	230
132	133	140
133	134	170
134	135	150
135	136	148
136	137	190
137	138	170

Magnetic Susceptibility (SI X 10-5)

From	To	Mag.Sus.
138	139	170
139	140	180
140	141	130
141	142	190
142	143	190
143	144	190
144	145	220
145	146	190
146	147	170
147	148	220
148	149	190
149	150	190
150	151	170
151	152	340
152	153	330
153	154	300
154	155	220
155	156	220
156	157	230
157	158	210
158	159	270
159	160	260
160	161	260
161	162	180
162	163	220
163	164	200
164	165	180
165	166	190
166	167	200
167	168	150
168	169	170
169	170	170
170	171	180
171	172	180
172	173	180
173	174	210
174	175	190
175	176	250
176	177	260
177	178	240
178	179	260
179	180	250
180	181	220
181	182	280
182	183	320
183	184	330
184	185	too soft
185	186	too soft
186	187	too soft
187	188	too soft
188	189	190
189	190	20
190	191	310
191	192	340
192	193	1920
193	194	410
194	195	350

Magnetic Susceptibility (SI X 10-5)

From	To	Mag.Sus.
195	196	520
196	197	340
197	198	320
198	199	870
199	200	300
200	201	530
201	202	330
202	203	270
203	204	170
204	205	220
205		EOH

Stellar Resources Ltd
Alpine Prospect
Diamond drill hole AP016
Surveys



Depth (m)	Azimuth Magnetic	Dip
50	324	-61
100	324	-62
150	331	-62
200	330	-63



DRILL LOG AP017

Stellar Resources Ltd
 EL46/2003, Alpine Prospect
 Diamond drill hole AP017



Collar coordinates: GPS MGA Zone 55 (GDA94) 341 418mE 5 376 607mN
 RL: (msl+2000) 2185 m
 Length: 272.4 m
 Azimuth: 337° Grid
 Dip: -60°
 Drilled: 2007, Boart Longyear
 Drill: Triple tube HQ/NQ
 Logged: Nic Turner, May, 2007

Drillers	Blocks	Recovery (m)	Recovery %	Geology		Structure		Core Assays		Cu	Pb	Zn	Ni	Ag	As	Co	Mo	S	Au	Pt	Element	
				From (m)	To (m)	Depth (m)	Alpha ^o	From (m)	To (m)													ppm
	0	0.9	0	0	0	10																
	0.9	2.4	0.3	20																		
	2.4	3.9	0	0	10	23.65																
	3.9	5.4	0	0																		
	5.4	6.9	0	0	23.65	31.4																
	6.9	8.4	0.5	33	31.4	41.1																
	8.4	9.9	0	0																		
	9.9	11.4	1.3	87																		
	11.4	12.9	1.57	105	41.1	48.7																
	12.9	13.2	0.4	133																		
	13.2	14.9	1.4	82	48.7	51.6																
	14.9	15.9	1.07	107	51.6	62.35																
	15.9	17.4	1.3	87																		
	17.4	18.9	1.5	100																		
	18.9	20.4	1.23	82																		
	20.4	21.9	1.3	87	63.25	128.3																
	21.9	23.4	1.42	95																		
	23.4	24.9	1.43	95																		
	24.9	27.9	1.97	66																		
	27.9	29.4	1.46	97																		
	29.4	30.9	1.45	97																		
	30.9	32.4	1.15	77																		
	32.4	33.9	0.8	53	128.3	138.55																
	33.9	35.4	1.04	69																		
	35.4	36.9	0.76	51																		
	36.9	38.4	0.75	50																		
	38.4	39.9	0.55	37																		
	39.9	41.1	0.63	55																		
	41.1	42.7	0.59	37																		
	42.7	43.7	0.34	34																		
	43.7	45.3	0.48	30																		
	45.3	46.9	0.84	53																		
	46.9	48.5	0.55	34																		
	48.5	50.1	1	63																		
	50.1	51.7	0.6	100	138.55	163.5																
	51.7	53.3	1.02	64																		
	53.3	54.9	0.75	47																		
	Failed change HQ to NQ				163.5	170																
	54.9	59.5	0.75	16																		
	59.5	61	1.22	81	170	204																
	61	62.5	1.24	83																		
	62.5	64	0.2	13	204	215.4																
	64	65.5	0.39	26	215.4	218.45																
	65.5	65.8	0.23	77																		
	65.8	67	0.5	42	Note																	
	67	68.5	0.28	19																		
	68.5	69.3	0.4	50																		
	69.3	70	0.3	43	218.45	218.9																
	70	70.7	0.43	61																		
	70.7	71.6	0.72	80	218.9	223.83																

Drillers	Blocks	Recovery	Recovery	Geology		Structure	Core Assays		Cu	Pb	Zn	Ni	Ag	As	Co	Mo	S	Au	Pt	Element	
71.6	72.2	0.5	83																		
72.2	72.8	0.5	83																		
72.8	74.4	1.63	102																		
74.4	75.6	1.1	92	223.83	230.12	with a planar-banded fabric defined by ragged stringers of pyrite, magnetite-hematite and ?graphite. Locally brecciated at 220.5-223.83 m. A patch of bright red jasper at 221.53 m.															
75.6	77.2	1.57	98																		
77.2	78.4	1.06	88																		
78.4	79.5	1.05	95																		
79.5	80.2	0.45	64	230.12	241.8	Similar to 218.9-223.83 m, but with semi-massive pyrite. Also, there are cross cutting seams of massive breccia consisting of fragments of the mylonite. Magnetite bands at 228.25 m and at 229.92-230.12 m. Chalcopyrite is common in places as blebs and in thin veinlets. It is also present in the banded material.															
80.2	81.1	0.7	78																		
81.1	82	0.84	93																		
82	83.5	1.3	87	241.8	243.4	Mafic schist consisting of chlorite and feldspar, and with intervals of banded magnetite-pyrite-silicate-?carbonate at 230.7-231 m, 234.45-234.65 m, 235.3-235.7 m, 239.9-240.7 m and 241-241.8 m. Chalcopyrite is common as blebs and in thin veinlets.															
83.5	84.2	0.66	94																		
84.2	84.4	0.06	30	243.4	246.65	Massive, fine grained meta-basalt with common chalcopyrite veinlets. Core very broken.															
84.4	85.2	0.55	69																		
85.2	85.8	0.4	67																		
85.8	86.4	0.37	62	246.65	249.9	Pale grey, cream and dark grey mylonite and semi-massive pyrite. The planar fabric in the mylonite is due to stringers of pyrite and fine grained dark mineral. At 243.4-244.5 m there is a disseminated, euhedral, red, magnetic mineral that appears to be magnetite coated by hematite. Chalcopyrite occurs through the interval in fractures.															
86.4	88.8	0.55	23																		
88.8	90.2	0.25	63																		
90.2	91.6	0.6	43																		
91.6	93.6	1.32	66																		
93.6	95.1	0.7	63	249.9	256.1	Medium grey, graphitic, muscovite-quartz phyllite with typical ,strong metamorphic differentiation of quartz and muscovite parallel to the main foliation. The main foliation is also parallel to bedding as defined by a few, thin, schistose quartzite layers. Minor pyrite is present throughout and there are sparse, cross cutting quartz-carbonate veinlets.															
95.1	96.5	0.8	57																		
96.5	97.1	0.45	75																		
97.1	98.1	1.17	117	256.1	261.42	Mainly pale grey, schistose, muscovitic quartzite that exhibits strong metamorphic differentiation. Minor disseminated pyrite is present and there are sparse cross cutting quartz-carbonate veinlets.	250	MF 70													
98.1	100.4	1.2	52																		
100.4	101.9	1.43	95																		
101.9	102.7	0.75	94	261.42	272.4	Dark grey to black, graphitic, muscovite phyllite. Pyritic and with trace chalcopyrite in veinlets. Grades down into dark coloured rock that appears to be poor in mica, but which has graphitic stringers.															
102.7	104.7	1.65	83																		
104.7	106.9	2.34	106																		
106.9	110	2.62	85																		
110	111.9	1.5	79																		
111.9	113.3	1.35	96																		
113.3	114.2	0.5	56																		
114.2	115.1	0.75	83																		
115.1	116.3	1.07	89																		
116.3	117.9	1.55	97																		
117.9	119.4	1.3	87																		
119.4	120	0.31	52																		
120	121.6	1.1	69																		
121.6	122.3	0.62	89																		
122.3	123.1	0.5	63																		
123.1	124.2	0.75	66																		
124.2	125.4	1.05	88																		
125.4	126.7	1.05	81																		
126.7	127.5	0.54	68																		
127.5	128.5	0.85	85																		
128.5	131.4	2.28	79																		
131.4	132.2	0.56	70																		
132.2	134.2	1.3	65																		
134.2	135	0.62	78																		
135	135.5	0.3	60																		
135.5	136.1	0.26	43																		
136.1	137	0.4	44																		
137	137.7	0.54	77																		
137.7	139.2	1.49	99																		
139.2	140.4	1.2	100																		
140.4	142.1	1.5	88																		
142.1	142.8	0.47	28																		
142.8	143.5	0.73	104																		
143.5	144.8	1.23	95																		
144.8	146.4	1.36	85																		
146.4	147.8	1.14	81																		
147.8	148.6	0.9	113																		

Structural symbols: MF main foliation, LF late foliation, BA fragment alignment in breccia.

Drillers	Blocks	Recovery	Recovery	Geology	Structure	Core Assays	Cu	Pb	Zn	Ni	Ag	As	Co	Mo	S	Au	Pt	Element
148.6	149.4	0.8	100															
149.4	152.4	2.95	98															
152.4	155.4	2.86	95															
155.4	158.4	2.95	98															
158.4	160.6	2	91															
160.6	163.6	1.93	64															
163.6	164.2	0.4	67															
164.2	166	1.65	92															
166	167	0.8	80															
167	170	3	100															
170	172.1	1.9	90															
172.1	173	0.48	53															
173	173.8	0.28	35															
173.8	174.4	0.25	42															
174.4	174.8	0.32	80															
174.8	175.4	0.47	78															
175.4	175.8	0.34	85															
175.8	177.8	1.5	75															
177.8	178.5	0.37	53															
178.5	179.4	0.64	71															
179.4	180.2	0.65	81															
180.2	180.9	0.25	36															
180.9	182.2	0.7	54															
182.2	183.7	0.71	47															
183.7	185.4	0.34	20															
185.4	188.4	0.44	15															
188.4	189.4	0.32	32															
189.4	191.4	0.5	25															
191.4	194.1	0.2	7															
194.1	195.9	1	56															
195.9	196.6	0.24	34															
196.6	197.7	0.38	35															
197.7	199	0.3	23															
199	199.8	0.72	90															
199.8	200.2	0.26	65															
200.2	201.5	0.28	22															
201.5	202.3	0.5	63															
202.3	202.7	0.34	85															
202.7	203.4	0.29	41															
203.4	204	0.51	85															
204	204.1	0.12	120															
204.1	205	0.8	89															
205	206.1	0.82	75															
206.1	206.9	0.74	44															
206.9	207.6	0.31	44															
207.6	208.6	0.85	85															
208.6	209.4	0.8	100															
209.4	212.4	2.19	73															
212.4	215.4	1.06	35															
215.4	218.4	0.45	15															
218.4	220.2	1.37	76															
220.2	221.4	0.2	17															
221.4	222.7	1.12	86															
222.7	224	0.9	69															
224	224.8	0.36	45															
224.8	225.6	0.66	83															
225.6	227.4	1.63	91															
227.4	227.8	0.12	30															
227.8	228.4	0.32	53															
228.4	229.6	1.12	93															
229.6	230.2	0.45	75															
230.2	231.5	1.13	87															
231.5	233	1.47	98															
233	233.7	0.5	72															

Drillers	Blocks	Recovery	Recovery	Geology	Structure	Core Assays	Cu	Pb	Zn	Ni	Ag	As	Co	Mo	S	Au	Pt	Element
233.7	235.3	1.6	100															
235.3	236.1	0.82	103															
236.1	237.5	0.81	58															
237.5	239	0.95	63															
239	239.7	0.36	51															
239.7	240.7	0.9	90															
240.7	241.1	0.35	88															
241.1	241.9	0.64	80															
241.9	242.5	0.3	50															
242.5	242.8	0.16	53															
242.8	243.3	0.36	72															
243.3	244.6	1.15	88															
244.6	245.6	0.85	85															
245.6	246.7	0.47	43															
246.7	247.8	0.62	56															
247.8	248.8	0.85	85															
248.8	249.4	0.4	67															
249.4	250.2	0.73	91															
250.2	251.4	1.05	88															
251.4	253.3	1.48	78															
253.3	254.3	0.85	85															
254.3	255.3	0.83	83															
255.3	256.4	1.06	96															
256.4	256.9	0.35	70															
256.9	257.8	0.74	82															
257.8	259.8	0.95	48															
259.8	260.2	0.13	33															
260.2	261	0.7	88															
261	262.3	1.28	98															
262.3	262.8	0.15	30															
262.8	263.6	0.65	81															
263.6	264.1	0.39	78															
264.1	265	0.7	78															
265	265.7	0.27	39															
265.7	266.5	0.53	66															
266.5	266.8	0.15	50															
266.8	267	0.22	110															
267	267.8	0.55	69															
267.8	268.3	0.42	84															
268.3	269.4	1.05	95															
269.4	270.5	0.05	5															
270.5	271.2	0.36	51															
271.2	272.4	0.84	70															
272.4	?272.4?	1.02	?															
?272.4?		EOH																

Element
Units
Method
Sensitivity

Stellar Resources Ltd
 EL46/2003, Alpine Prospect
Diamond drill hole AP017
Magnetic Susceptibility



From (m)	To (m)	Mag.Sus. SI X 10 ⁻⁵
0	72	Core very broken and weathered
72	73	160
73	74	290
74	75	130
75	76	320
76	77	280
77	78	290
78	79	300
79	80	330
80	81	too soft
81	82	300
82	83	240
83	84	260
84	85	220
85	86	broken
86	87	220
87	88	200
88	89	240
89	90	too soft
90	91	260
91	92	260
92	93	150
93	94	210
94	95	260
95	96	broken
96	97	190
97	98	170
98	99	210
99	100	170
100	101	190
101	102	190
102	103	160
103	104	180
104	105	210
105	106	290
106	107	190
107	108	350
108	109	330
109	110	340
110	111	330
111	112	370
112	113	300
113	114	310
114	115	320
115	116	320
116	117	330
117	118	340
118	119	340
119	120	330
120	121	350
121	122	390
122	123	410

Magnetic Susceptibility

From	To	Mag.Sus.
123	124	430
124	125	200
125	126	230
126	127	310
127	128	350
128	129	340
129	130	350
130	131	?
131	132	310
132	133	330
133	134	400
134	135	230
135	136	330
136	137	broken
137	138	310
138	139	220
139	140	350
140	141	260
141	142	250
142	143	240
143	144	210
144	145	160
145	146	290
146	147	270
147	148	300
148	149	340
149	150	350
150	151	330
151	152	330
152	153	340
153	154	350
154	155	300
155	156	310
156	157	350
157	158	360
158	159	340
159	160	320
160	161	320
161	162	360
162	163	390
163	164	350
164	165	280
165	166	330
166	167	310
167	168	310
168	169	292
169	170	300
170	171	290
171	172	290
172	173	260
173	174	370
174	175	390
175	176	220
176	177	190
177	178	190
178	179	210
179	180	210

Magnetic Susceptibility

From	To	Mag.Sus.
180	181	160
181	182	130
182	183	400
183	184	370
184	185	broken
185	186	broken
186	187	broken
187	188	broken
188	189	broken
189	190	390
190	191	broken
191	192	broken
192	193	broken
193	194	broken
194	195	370
195	196	400
196	197	broken
197	198	broken
198	199	broken
199	200	220
200	201	broken
201	202	broken
202	203	broken
203	204	broken
204	205	210
205	206	290
206	207	250
207	208	broken
208	209	350
209	210	410
210	211	360
211	212	410
212	213	broken
213	214	broken
214	215	broken
215	216	broken
216	217	broken
217	218	broken
218	219	370
219	220	270
220	221	broken
221	222	320
222	223	350
223	224	300
224	225	330
225	226	680
226	227	550
227	228	broken
228	229	290
229	230	2110
230	231	290
231	232	500
232	233	490
233	234	420
234	235	1090
235	236	620
236	237	350

Magnetic Susceptibility

From	To	Mag.Sus.
237	238	360
238	239	710
239	240	400
240	241	5500
241	242	9900
242	243	280
243	244	5450
244	245	100
245	246	230
246	247	240
247	248	broken
248	249	110
249	250	170
250	251	360
251	252	400
252	253	400
253	254	270
254	255	280
255	256	300
256	257	330
257	258	280
258	259	250
259	260	200
260	261	230
261	262	200
262	263	210
263	264	250
264	265	240
265	266	broken
266	267	240
267	268	190
268	269	180
269	270	190
270	271	310
271	272	300
272	273	300
272.4		EOH

Stellar Resources Ltd
Alpine Prospect
Diamond drill hole AP017
Surveys



Depth (m)	Azimuth Magnetic	Dip
100	329	-59
150	332	-60
200	331	-62
250	320	-61



DRILL LOG AP018

Stellar Resources Ltd
EL46/2003, Alpine Prospect
Diamond drill hole AP018



Collar coordinates: GPS MGA Zone 55 (GDA94) 341 084mE 5 376 749mN
 RL: (msl+2000) 2163 m
 Length: 82 m
 Azimuth: n. a.
 Dip: -90⁰
 Drilled: 2007, Boart Longyear
 Drill: Triple tube HQ/NQ
 Logged: Nic Turner, May, 2007

Recovery				Geology		
Drillers' From (m)	Blocks To (m)	Recovery (m)	Recovery %	From (m)	To (m)	Description
0	2.5	1.27	50.8	0	4	Sand and orange clay. The clay has relict granular texture after Tertiary basalt.
2.5	4	0.27	21.6	4	43.5	Graphitic, muscovite-quartz phyllite with minor interbanded schistose, muscovitic quartzite. The entire interval is very strongly weathered, very soft and very broken. Muscovite has olive colour at 4-4.8 m, 13.5-18.1 m, 21.6-24.7 m.
4	4.9	0.9	100			
4.9	6.4	0.23	15.3			
6.4	8.4	0.11	5.5	43.5	45.3	Clayey pug after graphitic phyllite.
8.4	10	0.8	50.0	45.3	48.3	Graphitic, muscovite-quartz phyllite with abundant quartz veins. Partly brecciated. All very soft.
10	10.8	0.3	37.5			
10.8	13	0.7	31.8	48.3	49.3	Clayey pug after graphitic phyllite.
13	14.1	1.1	100.0	49.3	51.8	Phyllite similar to 45.3-48.3 m.
14.1	15.6	0.65	0.0	51.8	55	Mostly clayey pug with a little schistose, muscovitic quartzite.
15.6	17	0.6	42.9	55	61	Very soft, graphitic, quartz-muscovite phyllite.
17	17.8	0.55	68.8	61	80.9	Clayey pug after phyllite and schistose quartzite
17.8	19	1.1	91.7	80.9	82	Very broken core of black, graphitic, pyritic, muscovite phyllite.
19	20	0.9	90.0	82		
20	21.5	1	66.7			EOH
21.5	22.4	0.6	66.7			
22.4	23.5	0.74	67.3			
23.5	24.4	0.7	77.8			
24.4	27.5	1	33.3			
29	30.2	1.2	100.0			
30.2	31.6	0.75	53.6			
31.6	33	0.65	46.4			
33	34.5	0.6	40.0			
34.5	36.2	0.8	47.1			
36.2	37.1	1.05	116.7			
37.1	38.3	0.8	66.7			
38.3	39.1	0.65	81.3			
39.1	40.9	0.5	27.8			
40.9	43.5	1.4	87.5			
43.5	43.7	0	0.0			
43.7	45.3	0.6	37.5			
45.3	46.2	0.9	100.0			
46.2	48.3	0.9	42.9			
48.3	49	0.05	7.1			
49	49.3	0.15	50.0			
49.3	50.8	0.6	40.0			
50.8	51.8	0.6	60.0			
51.8	55	0.4	12.5			
55	58	1.2	40.0			
58	61	0.9	30.0			
61	62.2	0.65	54.2			
62.2	64.6	0.8	33.3			
64.6	74.1	0.9	9.5			
74.1	81	1.2	17.4			
81	82	0.2	20.0			
82		EOH				

Note: The hole was abandoned because of the very bad ground conditions.

Note: Core too soft and broken, and recovery too poor to obtain either useful structural data or magnetic susceptibility measurements.

Note: No camera surveys were carried out.

STELLAR RESOURCES LTD

8th January, 2008

EL46/2003 HEEMSKIRK
Report on drill holes AP013-AP018

Appendix 2: Report on the petrology of 14 samples from diamond drill hole AP013, Alpine Project.

Author: Sinclair, Knight, Mertz

Date: June, 2007

Title: Report on 14 samples from western Tasmania for Stellar Resources Ltd