

**EL25/2004 Alberton**

**Annual Report**

**2007 – 2008**

**Prepared by**

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**For LIDDS Pty Ltd**

**October 2008**

## Summary.

Exploration Licence 25/2004 comprises 12 square kilometres at Alberton was granted on 8th October 2004 to Low Impact Diamond Drilling Specialists Pty Ltd (LIDDS).

During 2007 – 2008 a full review of all previous exploration was undertaken with a new structurally controlled model being developed based on all the previously obtained information for the main Ringarooma United Mine. As a result of this new interpretation three drill holes (RUL08 - RUL10) were drilled for a total of 384 metres. Two holes succeeded in intersecting interpreted lodes structures at the projected depths indicating the veracity of the new interpretations.

Previously drilled holes (RUL006 – RUL007) were logged for lithology and structure and specific areas of interest dispatched for analysis. As of the end of the reporting period assay results for these holes had not yet been received. Drill hole lithology for RUL004 and RUL005 drilled during the reporting period 2006 – 2007 but unavailable at the time of reporting are also been included in this report.

Additional modelling was undertaken with reference to the structural relationship between the Ringarooma United Mine and the Hannah workings located parallel to but directly south.

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## 1.0 Introduction.

Exploration Licence EL 25/2004 comprising 12 square kilometres at Alberton was granted on 8th October 2004 to Low Impact Diamond Drilling Specialists (LIDDS) Pty Ltd.

The area explored to date has focussed on the Ringarooma United Mine, the major producer on the Alberton Goldfield, three (3) diamond drill holes were drilled based on a new structural model to test for down dip mineralisation. One hole RUL09 was terminated at 20 metres depth when it was determined that the azimuth would not allow for the new model to be adequately tested. A total of 384 metres were drilled. The two remaining drill holes intersected mineralisation at the projected depth with the best results being from RUL10 with intersected 1.5m @ 4.01 g/t Au.

During the reporting period October 9, 2006 to October 8, 2007 a full review of all previous exploration was undertaken and a new structural model was developed based on all the previously obtained information for the main Ringarooma United Mine. As a result of this new interpretation two drill holes (RUL08 - RUL10) were successfully drilled for a total of 384 metres. Both holes intersected interpreted lodes structures at the projected depths indicating the veracity of the new interpretations.

Previously drilled holes (RUL06 – RUL07) were logged for lithology and structure and specific areas of interest dispatched for analysis. As of the end of the reporting period assay results for these holes had not yet been received. Drill hole lithology for RUL004 and RUL005 drilled during the reporting period 2006 – 2007 but unavailable at the time of reporting are also been included in this report.

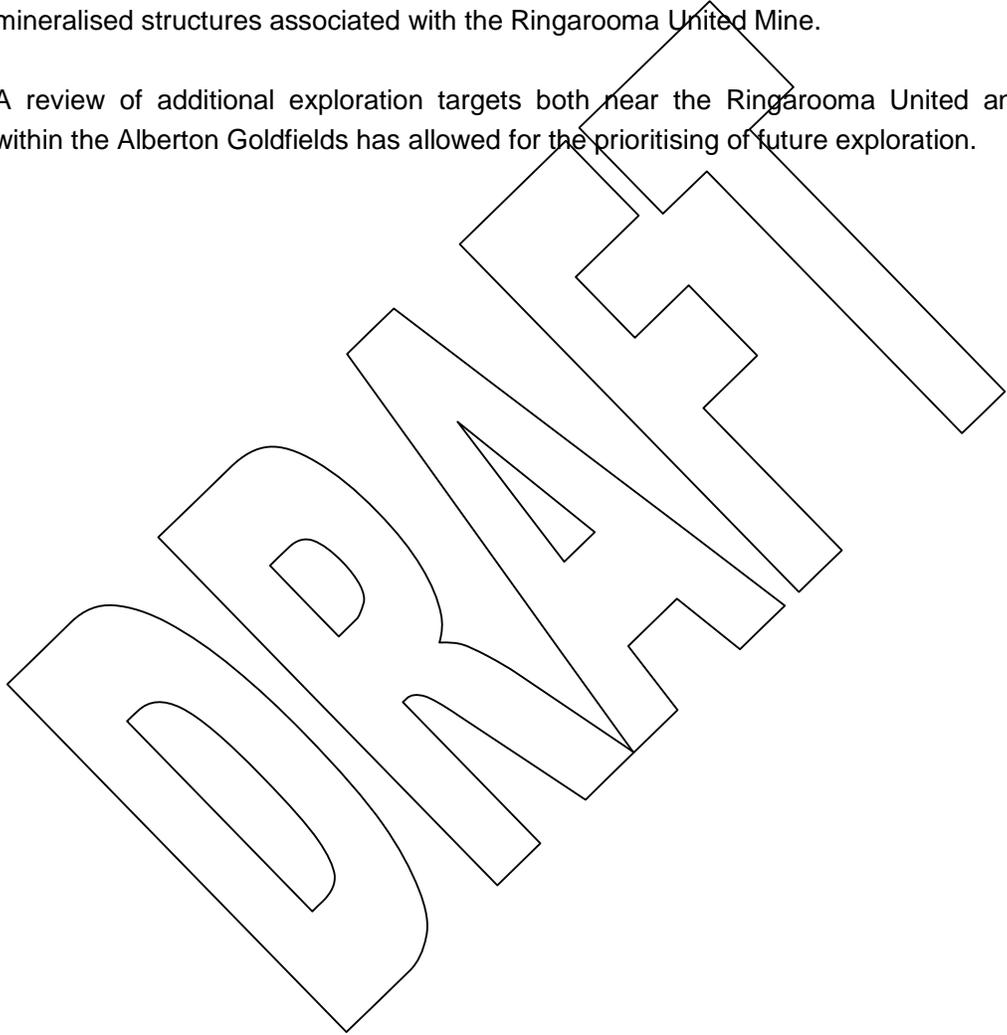
Additional modelling was undertaken with reference to the structural relationship between the Ringarooma United Mine and the Hannah workings located parallel to but directly south.

## 2.0 Exploration Objectives.

The philosophy and objectives of the Exploration undertaken by LIDDS is directed to the definition of a significant hard rock gold resource that would be amenable to economic extraction.

Primary exploration has focussed on testing the down dip extensions of known mineralised structures associated with the Ringarooma United Mine.

A review of additional exploration targets both near the Ringarooma United and within the Alberton Goldfields has allowed for the prioritising of future exploration.



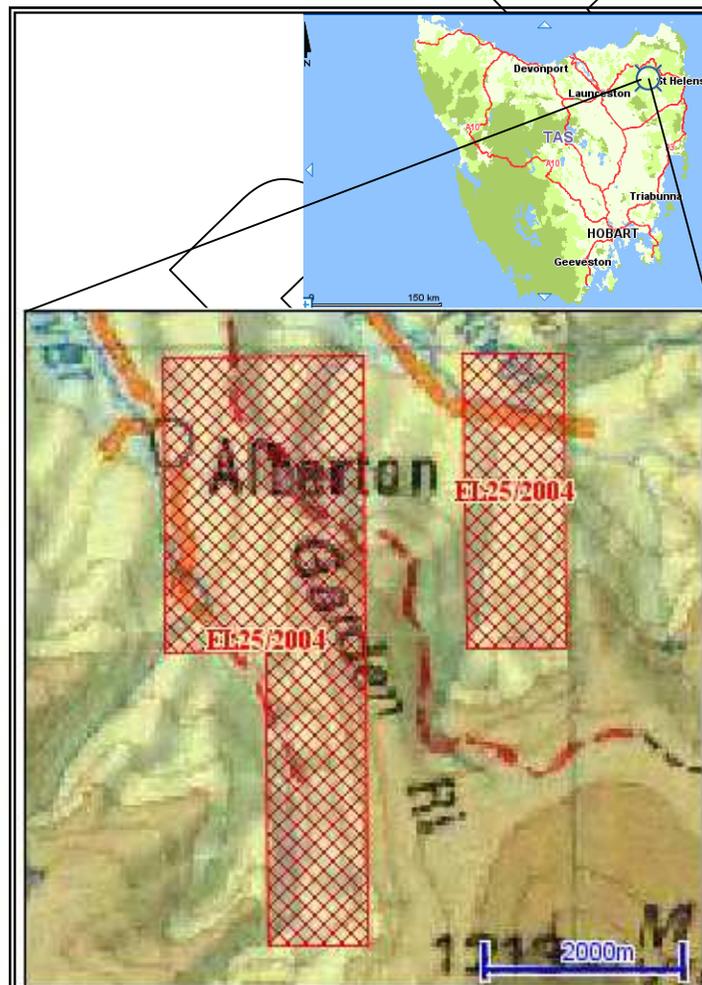
### 3.0 Location and Access.

Exploration Licence EL25/2004 is located near the rural township of Alberton, situated in the north-eastern region of Tasmania.

The licence is situated within both rural and state forest areas and is serviced by a network of sealed and all weather roads and fire trails.

Topographic relief varies from gently undulating pasture areas to steep hills and ridges with deeply incised valleys developed in the central area of the licence. Vegetation in non-farming areas is dominated by wet-sclerophyll forest.

**Figure 1. Exploration Licence 25/2004**



## 4.0 Regional Geology.

The regional geology of EL 25/2004 has been previously described by MRT geologists and summarised on the 1:50,000 Alberton geological map. Recent publications specific to the economic geology of the area are provided by Taheri (1992 and 1993), Keele et.al (1994) and Reed, (2004) as part of the Netgold project. The following is gleaned from this work.

The exploration Licence is located within the 70 kilometres long, 2 kilometre wide northwesterly trending Mangana to Lyndhurst gold lineament. Gold mineralisation contained within the lineament is hosted by the Silurian to Devonian Mathinna Beds. The Mathinna Beds comprise an alternating sequence of bedded quartzites, sandstones, siltstones and slates. The quartzites have a lithic component and display graded structures locally. The Mathinna Beds are unconformably overlain by probable Carboniferous and Permo-Triassic sedimentary sequences of the Parmeener Supergroup.

Granites and granodiorite of Devonian age have intruded the Mathinna Beds. Sporadic tin and tungsten mineralisation is associated with granitic intrusion.

Regionally the Mathinna Beds are folded about northwest trending axes to form small scale and kilometre scale wavelength tight to moderate folds. Axial plane cleavage development takes the form of a slaty cleavage in the pelitic units. A subsequent deformation has produced regional mega kinking about steep, northeast trending kink planes, and numerous steep dipping bands with both sinistral and dextral geometry.

The age of the gold mineralisation is uncertain; however it is probable that gold mineralisation was concurrent with folding and cleavage development prior to emplacement of the Devonian granites.

## 5.0 Previous Work.

Auriferous quartz vein hosted mineralisation was discovered in the Alberton goldfield prior to 1883. Over one hundred gold bearing lodes were subsequently discovered and mined between 1883 and 1939.

Recent exploration of the Ringarooma United Mine was first undertaken by Newcrest Mining Limited under EL23/92. An Exploration program in 1992-1993, part of work on a larger tenement, included 1:25,000 scale geological mapping, image processing and interpretation of aeromagnetic data, drainage sampling and detailed geochemical sampling.

The tenement was explored by Mancala Pty Ltd under a joint venture arrangement in 1993-1994. Mancala Pty Ltd re-established access to the Long Tunnel and completed 255 metres of drilling from underground sites with poor results.

During 2000 – 2001 (Denwar, 2001) two diamond drill holes (RUL01 and RUL03) totalling 433.6 metres were completed by Low Impact Diamond Drilling Specialists (LIDDS) in a joint venture agreement with Hercules Resources Pty Ltd (Mancala Pty Ltd had changed its name to Hercules Resources in 1998). A 0.8 metre interval in hole RUL01 assayed 85.9 grams per tonne gold with coarse visible gold. A 0.4 metre interval in hole RUL03 resulted in an assay of 14.8 g/t gold from a different structure.

During 2004 – 2005 (Carswell, 2005) a further hole was completed (RUL02) for 223.7 metres without any significant mineralisation being encountered.

During 2005 – 2007 (de Vries, 2008) several additional diamond holes (RUL03 – RUL07) were drilled with little or no geological input. Drilling occurred in two campaigns with two holes (RUL04 & RUL05) drilled between 10th October and 11th November 2006 for a combined total of 388.20 metres and two holes (RUL06 and RUL07) completed between 9th June and 25th July 2007 for a combined total of 318.5 metres.

Total drilling for the period 2006 – 2007 was 706.70 metres.

## **6.0 Exploration Completed During the Reporting Period**

### **6.1 Work Completed**

During this period the Licence was subject to significant review of all available data by both LIDDS and various geological consultants.

New structural models were developed for the Ringarooma United Mine and were subsequently successfully tested.

Three drill holes were drilled for a total of 384 metres.

Data was consolidated into a single Microsoft Access Database and all outstanding lithology logging completed. Assays are still pending for RUL06 and RUL07.

### **6.2 Data Compilation and Results.**

Previously reported data collected utilising Differential GPS (Annual Report 2004-05) has only been partially compiled. Survey traverses were undertaken as part of the drill Work Plan in 2006 and this data will need to be uploaded into a computer based modelling program.

A full review of all previously available information pertaining to the Ringarooma United Mine was undertaken during the period. Data consisting of historical mine plans, topography and all available recent exploration (Mancala Pty Ltd, 1994) has either been digitised or entered into an electronic database.

Analysis of mine plan from Ringarooma United Gold Mine indicates that the main mine structure has a steep easterly dip component of around 75 – 85°. The mineralised structure is also off set by oblique (NNW – SSE) sinistral, steeply south-west dipping fault zones. The presence of these fault zones; which range up to 5 metres in width has produced the perception that the mine has steeply plunging southerly ore shoots, where in fact that shoots represent the in-between fault sections of the main mine lode or reef.

The modelling of the mineralisation dipping to the east is not that different to that originally proposed by previous authors (Reed, et al, 2004) except that there was a perception that the Premier Reef, having a westerly dip may become the predominant structure at depth and cut off the Rosalind and Gumsucker Reefs

The ramification of an easterly dip for the mine is that all of the previously drilled surface diamond holes (RUL01 – 07), drilled to test for mineralisation on a westerly dipping structure were never drilled deep enough to obtain a penetration of the mine's mineralised structure.

The implication that the mine is broken into fault off-set panels is that several drill holes have passes through now identified fault windows and thus failed to intersect the mine structure. Drilling undertaken by Mancala during the period 1992 -1994 exemplifies this issue with three of their underground drill holes (RU03 - RU05) being drilled into and through the fault window and missing completely the mine's mineralised structure.

Analysis of historic reports also highlighted previously production below the lowest level of the Long Tunnel Adit in 1925 (McIntosh Reid, 1925). This mining resulted in a stoping block extending from the level of the Long Tunnel and extending approximately 30 metres below the level through the old internal shaft. The presence of this historic stoping explains why in 1994 Mancala Pty Ltd intersected what they termed 'unknown' workings below the Long Tunnel (RU01 – RU02).

In order to test the new westerly dipping hypothesis two holes were planned to be drilled from existing drill pads to test for mineralisation and structure below the now identified No.1 Level from the internal shaft of the Long Tunnel Adit

RUL08 passed through a zone of faulting containing low-sulphide quartz and coarse visible gold at 91.8 metres down hole (1.5m @ 47.43g/t Au) and intersected a sulphide rich, silicified structure at the projected depth at 146.7 metres (0.5m @ 0.10 g/t). Whilst gold tenor for the zone was low, elevated arsenic levels (550ppm) are above the background levels (100ppm) and indicate a reasonable correlation. The intersection was approximately 28 metres below the bottom of the No.1 Level.

RUL09 was designed to further test the model however after deviating significantly from the designed azimuth at 20 metres depth it was abandoned.

RUL10 was drilled as a replacement hole and successfully intersected both the projected fault zone at 106.6 metres (0.9m @ 5.28g/t Au) and the mine structure at 179.0 metres (1.5m @ 4.01 g/t Au). The intersection being 30 metres below RUL08.

**Table 1. Significant Assay Results – Diamond Drilling 2007 - 2008**

HOLE ID	FROM (m)	TO (m)	INTERVAL (m)	AU (g/t)	Ag (g/t)	As (ppm)	COMMENT
RUL08	91.8	92.6	0.8	3.88	1.0	12000	Fault Zone
RUL08	92.6	93.9	0.7	97.2	3.0	3250	Fault Zone
RUL08	146.7	147.2	0.5	0.01	1.0	550	Lode
RUL10	106.6	107.5	0.9	5.28	57.0	2650	Fault Zone
RUL10	107.5	108.0	0.5	0.61	1.0	1750	Fault Zone
RUL10	179.0	179.5	0.5	2.97	4.0	9800	Lode
RUL10	179.5	179.9	0.4	3.65	1.0	11900	Lode
RUL10	179.9	180.5	0.6	5.11	1.0	12800	Lode

The review of historic documentation has also indicated that development was undertaken during 1923 (Anon. 1923) to extend the Rosalind Adit some 178 metres to the west to test for the down dip extension of the Hannah Lode. This development is in place some 45 vertical metres below the Hannah Adit and some 57 metres above the Long Tunnel Adit.

The Hannah Lode is interpreted as being intersected by a number of oblique, narrow faults resulting in ore shoots of around 10 metres strike. The faulting is projected to intersect the main Ringarooma United at the mines extreme northern limit of development and production.

A site inspection of the Rosalind Adit undertaken in June 2008 has shown that this development is inaccessible.

## 7.0 Discussion and Conclusions.

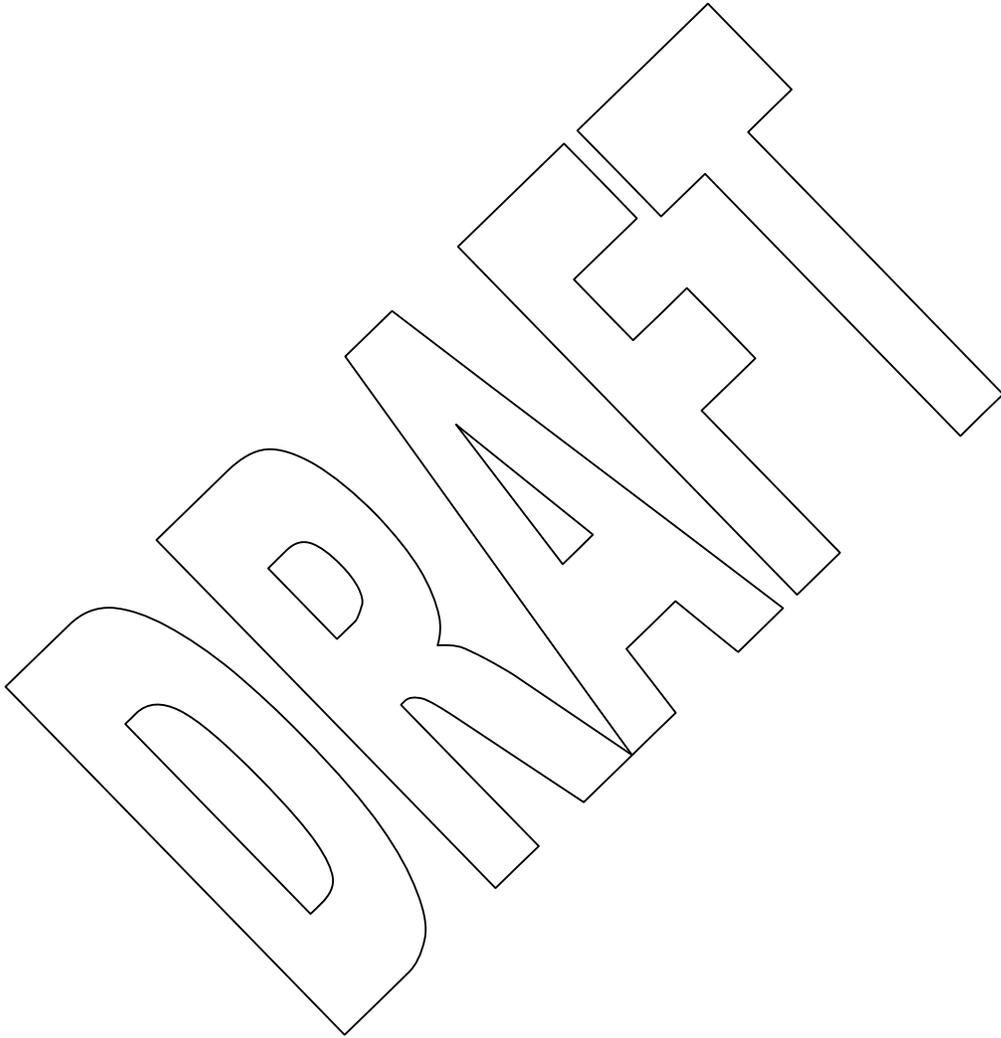
Detailed and systematic review and modelling of available data during the period has led to significant advances in the structural understanding of the geometry of mineralisation at the Ringarooma United Mine.

An understanding of the significance of role played by the oblique faults in developing fault “windows” also allows significant exploration advantages due to the fact that all lateral development at the Ringarooma United Mine was terminated against these faults.

In summary the key findings and results for the period are as follows:

- A steep easterly dip is modelled for the Ringarooma United Mine's main structure (Gumsucker Reef).
- Mineralisation appears to reduce in intensity between the bottom of the No. 1 level and RUL08 and begin to increase again at depth (1.5m @ 4.01 g/t Au).
- The presence of NNW – SSE oblique fault zones cuts up the mine structure into well defined panels of mineralisation.
- Mineralisation is present within section of the oblique faults (RUL08 1.5m @ 47.43 g/t Au).
- Previous drilling by Mancala Pty Ltd intersected stoping from No.1 Level below the Long Tunnel and passed through the now identified faults windows missing any potential mineralisation.
- The majority of surface drill holes drilled to date have not been drilled deep enough to successfully test for mineralisation, or have been drilled through fault windows.
- Potential exists for mineralisation to exist above the level of the Long Tunnel along the Hannah Lode.
- Drilling undertaken by Mancala Pty Ltd has not closed off mineralisation to the north.
- Drilling by LIDDS has shown that the main mine lode dips steeply to the east and is open and increasing in grade at depth.

- Structural analysis indicates that the main mine structure is not closed off to the south.



## 8.0 Expenditure 2007 – 2008

### Geoscientific Costs

- Geology \$27,000
- Geochemistry -
- Geophysics -
- Remote Sensing -

### Drilling & Gridding Costs

- Gridding -
- Drilling \$85,802 (384 metres)

### Land Access Costs

-

### Rehabilitation Costs

-

### Feasibility Study Costs

-

### Other Items

-

### Administration Costs

\$4,200

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### Total Costs

\$117,002

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Note: Assay costs were not received at close of Reporting Period

## 9.0 References

**Anon, 1923.** Reports of Inspectors of Mines *Mineral Resources Tasmania*

**Carswell, J.T., 2005.** EL25/2004 Alberton. Annual Report 2005 - 2005 *Unpublished report for Low Impact Diamond Drilling Specialists*

**Denwer, K.P., 2001.** Annual Report for EL 23/92- Alberton for the period 2000 - 2001. *Unpublished report for Low Impact Diamond Drilling Specialists (LIDDS) TCR 02-4634.*

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**Reed, A.R., 2004.** Gold mineralisation and the regional Palaeozoic structure of the Mathinna Supergroup, eastern Tasmania. *Record 2004/01, Mineral Resources Tasmania*

**Taheri, J., 1992.** Northeast Goldfields: A summary of the Tower Hill, Mathinna and Dans Rivulet Goldfields. *Report 1992/10, Mineral Resources Tasmania*

**Taheri, J., 1993.** Northeast Goldfields: A summary of the Alberton Goldfield. *Report 1993/34, Mineral Resources Tasmania.*

## Appendix 1

### Drill Hole RUL04 Low Impact Diamond Drilling Specialists.

#### Drill Hole Summary.

HOLE-ID	FROM	TO	LITH	SULPHIDE	WEATH	QTZ(%)	ALT
RUL04	-	13.30	SST	-	ox	-	-
RUL04	13.30	19.20	DYKE	-	ox	-	-
RUL04	19.20	28.00	SST/SH	-	fr	tr	-
RUL04	28.00	33.50	SLTST	-	fr	5	-
RUL04	33.50	58.00	SST	-	fr	10	-
RUL04	58.00	72.90	SST/SLTST	tr	fr	tr	-
RUL04	83.50	93.80	SST	-	fr	tr	-
RUL04	93.80	119.80	SST	-	fr	5	-
RUL04	119.80	151.80	SST	-	fr	-	-
RUL04	72.90	73.70	SST/QV	tr	fr	tr	sil
RUL04	73.70	83.50	SST/SLTST	-	fr	-	-
RUL04	151.80	152.40	SST/QV	tr	fr	tr	sil
RUL04	152.40	155.40	SST	-	fr	-	-
RUL04	155.40	156.10	SST/QV	tr	fr	tr	sil
RUL04	156.10	178.50	SST	-	fr	-	-
RUL04	178.50	178.80	SST/QV	tr	fr	tr	sil
RUL04	178.80	185.80	SST	-	fr	-	-
RUL04	185.80	190.00	SST/SHEAR	tr	fr	tr	-

#### **Collar Survey (GDA94)**

5,428,141.4 mN

566,761.7 mE

385.5 mAHD

#### **Down Hole Survey.**

Date Started 10/10/06

Date Completed 22/10/06

Final Depth 190.0 m

Survey Depth (down hole)	Inclination	Magnetic Bearing	GDA94 Converted Bearing (+14.5°)
51.5	-50.5	098.5	113.0
121.0	-46.5	100.0	114.5
190.0	-44.5	100.0	114.5

**Assays**

<b>HOLE ID</b>	<b>FROM (m)</b>	<b>To (m)</b>	<b>INTERVAL (m)</b>	<b>AU (g/t)</b>	<b>Ag (g/t)</b>	<b>As (ppm)</b>	<b>SAMPLE ID</b>
<b>RUL04</b>	16.5	17.2	1.7	0.03	N/A	N/A	RUL4-1
<b>RUL04</b>	72.9	73.7	0.8	0.16	N/A	N/A	RUL4-2
<b>RUL04</b>	151.8	152.4	0.6	>0.01	N/A	N/A	RUL4-3
<b>RUL04</b>	155.4	156.1	0.7	0.02	N/A	N/A	RUL4-4
<b>RUL04</b>	178.5	178.8	0.3	>0.01	N/A	N/A	RUL4-5

## Appendix 2

### Drill Hole RUL05 Low Impact Diamond Drilling Specialists.

#### Drill Hole Summary.

HOLE-ID	FROM	TO	LITH	SULPHIDE	WEATH	QTZ(%)	ALT
RUL05	-	13.40	SST/SLTST	-	ox	-	-
RUL05	13.40	19.70	DYKE	-	ox	-	-
RUL05	19.70	21.20	SST/SLTST	-	ox	-	-
RUL05	21.20	26.00	SST/QV	tr	fr	10	sil
RUL05	26.00	27.00	SHEAR	-	fr	-	-
RUL05	27.00	31.70	SST/QV	tr	fr	5	sil
RUL05	31.70	38.60	SST	-	fr	tr	-
RUL05	38.60	43.50	FAULT/QV	-	fr	60	-
RUL05	43.50	57.00	SST	-	fr	-	-
RUL05	57.00	57.30	SST/QV	tr	fr	tr	sil
RUL05	57.30	72.50	SST	-	fr	-	-
RUL05	72.50	97.00	SLTST/SST	-	fr	-	-
RUL05	97.00	110.00	SST	-	fr	-	-
RUL05	110.00	110.30	SST/SHEAR	tr	fr	tr	sil
RUL05	110.30	120.60	SST	-	fr	-	-
RUL05	120.60	121.00	SST/CB	-	fr	tr	carb
RUL05	121.00	125.80	SST	-	fr	-	-
RUL05	125.80	126.20	SST/CB	-	fr	5	carb sil
RUL05	126.20	185.50	SST	-	fr	-	-
RUL05	185.50	188.00	SLTST/SST	tr	fr	tr	-
RUL05	188.00	188.30	SLTST/QV	-	fr	20	carb sil
RUL05	188.30	191.30	SLTST/SST	-	fr	-	-
RUL05	191.30	191.60	SLTST/QV	-	fr	20	carb sil
RUL05	191.60	194.40	SLTST/SST	-	fr	-	-
RUL05	194.40	194.80	SLTST/QV	-	fr	30	sil carb
RUL05	194.80	198.20	SLTST/SST	-	-	-	-

#### Collar Survey (GDA94).

5,428,141.6 mN

566,761.7 mN

395.5 mAHD

#### Down Hole Survey.

Date Started 23/10/06

Date Completed 11/11/06

Final Depth. 198.2 m

Survey Depth (down hole)	Inclination	Magnetic Bearing	GDA94 Converted Bearing (+14.5°)
70.0	-48.75	090	104.5
128.2	-46.0	090	104.5
198.2	-41.5	089	103.5

### Assays

HOLE ID	FROM (m)	To (m)	INTERVAL (m)	Au (g/t)	Ag (g/t)	As (ppm)	SAMPLE ID
RUL05	27.6	28.35	0.75	<0.01	N/A	N/A	RUL5-1
RUL05	30.1	30.3	0.2	0.03	N/A	N/A	RUL5-2
RUL05	57.0	57.3	0.3	0.03	N/A	N/A	RUL5-3
RUL05	110.0	110.3	0.3	0.02	N/A	N/A	RUL5-4
RUL05	188.0	188.3	0.3	0.27	N/A	N/A	RUL5-5
RUL05	191.3	191.6	0.3	0.15	N/A	N/A	RUL5-6
RUL05	194.4	194.8	0.4	0.02	N/A	N/A	RUL5-7

### Appendix 3

#### Drill Hole RUL06 Low Impact Diamond Drilling Specialists.

##### Drill Hole Summary.

HOLE-ID	FROM	TO	LITH	SULPHIDE	WEATH	QTZ(%)	ALT
RUL06	-	3.70	SST/SLTST	-	ox	tr	-
RUL06	3.70	6.50	DYKE	-	ox	-	-
RUL06	6.50	14.00	SST/SLTST	-	ox	tr	-
RUL06	14.00	20.00	DYKE	-	ox	-	sil
RUL06	20.00	21.00	FAULT	-	ox	tr	-
RUL06	21.00	27.70	SST/SH/SLTST	-	ox	tr	-
RUL06	27.70	28.50	FAULT	-	ox	-	-
RUL06	28.50	32.70	SST/SH/SLTST	tr	fr	tr	-
RUL06	32.70	33.50	FAULT	tr	fr	-	-
RUL06	33.50	43.00	SST/SH/SLTST	tr	fr	-	-
RUL06	43.00	46.00	SST/SH/SLTST	tr	fr	tr	-
RUL06	46.00	48.00	SST/SH/SLTST	tr	fr	5	-
RUL06	48.00	50.30	SST/SH/SLTST	tr	fr	-	-
RUL06	50.30	53.00	SST/SH/SLTST	tr	fr	5	-
RUL06	53.00	56.50	SST/SH/SLTST	tr	fr	-	-
RUL06	56.50	62.50	SST/SH/SLTST	tr	fr	5	-
RUL06	62.50	65.80	SST/SH/SLTST	tr	fr	-	-
RUL06	65.80	67.25	QTZ	tr	fr	30	-
RUL06	67.25	69.70	SST	tr	fr	-	-
RUL06	69.70	71.70	SST	tr	fr	10	-
RUL06	71.70	87.20	SST	-	fr	-	-
RUL06	87.20	96.00	SST	tr asp	fr	15	chl carb
RUL06	96.00	105.10	SST	-	fr	tr	chl
RUL06	105.10	110.50	SST	tr	fr	10	chl carb
RUL06	110.50	113.00	SST	-	fr	-	-
RUL06	113.00	117.60	SST	tr	fr	10	sil
RUL06	117.60	120.00	SST	-	fr	-	-
RUL06	120.00	130.00	SST	tr	fr	10	sil/cb
RUL06	130.00	139.00	SST	-	fr	-	-
RUL06	139.00	147.35	SST/QV	2 asp	fr	50	chl sil
RUL06	147.35	148.20	DYKE	tr	fr	tr	-
RUL06	148.20	154.70	SST	tr	fr	10	sil
RUL06	154.70	155.40	DYKE	tr asp	fr	tr	sil
RUL06	155.40	166.05	SST	tr	fr	5	chl
RUL06	166.05	167.30	QTZ	tr gal	fr	100	sil
RUL06	167.30	176.15	SST/SH	tr	fr	-	-
RUL06	176.15	177.80	FAULT	tr	fr	tr	-
RUL06	177.80	186.20	SST/SH	tr	fr	5	chl
RUL06	186.20	186.85	SHEAR/QTZ	3 asp	fr	20	chl
RUL06	186.85	191.70	DYKE	2 asp	fr	tr	chl
RUL06	191.70	193.80	SST/SH	tr	fr	tr	-
RUL06	193.80	195.70	DYKE	tr	fr	tr	-
RUL06	195.70	198.00	SST	tr	fr	10	-
RUL06	12.70	19.60	SH	-	ox	0	-

### Collar Survey (GDA94).

5,428,142.0 mN  
566,761.8 mE  
395.4 mAHD

### Down Hole Survey.

Date Started 09/05/07  
Date Completed 06/06/07  
Final Depth 199.0 m

Survey Depth (down hole)	Inclination	Magnetic Bearing	GDA94 Converted Bearing (+14.5°)
33.0	-44.0	111.0	125.5
73.0	-46.0	110.0	124.5
103.0	-46.5	108.5	123.0
133.0	-48.0	108.5	123.0
163.0	-49.0	108.0	122.5
199.0	-50.0	108.5	123.0

### Assays

Assay intervals yet to be received.

## Appendix 4

### Drill Hole RUL07 Low Impact Diamond Drilling Specialists.

#### Drill Hole Summary.

HOLE-ID	FROM	TO	LITH	SULPHIDE	WEATH	QTZ(%)	ALT
RUL07	-	13.00	SST	-	ox	5	-
RUL07	13.00	25.40	SLTST/SH	-	ox	5	chl
RUL07	25.40	28.25	SST	-	fr	0	-
RUL07	28.25	29.00	SST/QV	py	fr	10	-
RUL07	29.00	34.70	SST	-	fr	0	-
RUL07	34.70	36.10	SST/QV	py asp	fr	10	-
RUL07	36.10	38.00	SST	-	fr	0	-
RUL07	38.00	43.25	SLTST/SH	-	fr	0	chl
RUL07	43.25	44.75	DYKE	asp py	fr	1	-
RUL07	44.75	51.00	SST	py	fr	0	-
RUL07	51.00	52.00	SST/QV	-	fr	20	-
RUL07	52.00	53.00	SST	-	fr	0	-
RUL07	53.00	56.50	SST/QV	py	fr	15	-
RUL07	56.50	58.50	SST	py	fr	0	-
RUL07	58.50	60.50	SST/QV	py	fr	15	sil
RUL07	60.50	63.90	SST	py	fr	0	-
RUL07	63.90	79.60	SST/QV	-	fr	10	-
RUL07	79.60	86.00	SST	-	fr	0	-
RUL07	86.00	88.00	SST/SLTST	-	fr	0	-
RUL07	88.00	90.00	SST/SLTST/QV	py	fr	30	sil
RUL07	90.00	96.40	SST/SLTST	-	fr	0	-
RUL07	96.40	98.20	SST/SLTST/QV	py	fr	15	sil
RUL07	98.20	99.00	SST/SLTST/QV	py	fr	10	sil chl
RUL07	99.00	106.00	SLTST/SH	py	fr	1	-
RUL07	106.00	107.50	SLTST/SH/QV	-	fr	10	-
RUL07	107.50	110.00	SLTST/SH	-	fr	0	-
RUL07	110.00	111.50	SLTST/SH/QV	-	fr	10	-
RUL07	111.50	116.90	SST/SLTST/SH	-	fr	0	-
RUL07	116.90	117.30	SLTST/SH/QV	-	fr	15	chl
RUL07	117.30	119.50	SST/SLTST/SH	-	fr	0	-
RUL07	119.50	121.00	SST	-	fr	0	-
RUL07	121.00	124.85	SST/QV	-	fr	50	-
RUL07	124.85	126.00	SST	-	fr	0	-
RUL07	126.00	127.50	SST	-	fr	0	-

#### Collar Survey (GDA94).

5,428,122.0 mN  
566,808.5 mE  
409.4 mAHD

#### Down Hole Surveys.

Date Started 07/06/07  
Date Completed 25/06/07  
Final Depth 127.5

Survey Depth (down hole)	Inclination	Magnetic Bearing	GDA94 Converted Bearing (+14.5°)
40.0	-55.0	120.0	134.5
90.0	-55.0	119.5	134.0
119.5	-55.0	120.0	134.5

### **Assays**

Assay intervals yet to be received.

## Appendix 5

### Drill Hole RUL08 Low Impact Diamond Drilling Specialists.

#### Drill Hole Summary.

HOLE-ID	FROM	TO	LITH	SULPHIDE	WEATH	QTZ(%)	ALT
RUL08	-	12.70	SLTST/SH	-	ox	0	-
RUL08	19.60	26.50	SH	py	ox	0	sil
RUL08	26.50	35.60	SH/QV	py	fr	0	sil
RUL08	35.60	45.20	SST/SH	-	fr	0	sil
RUL08	45.20	54.20	SH/QV	-	fr	20	-
RUL08	54.20	58.40	SST/SH	-	fr	0	sil
RUL08	58.40	62.80	SLTST/SH	-	fr	0	-
RUL08	62.80	69.30	SST/SLTST	-	fr	0	-
RUL08	69.30	69.50	QV	-	fr	100	-
RUL08	69.50	76.70	SST/SLTST	-	fr	0	-
RUL08	76.70	77.00	QV	-	fr	100	-
RUL08	77.00	79.00	SST/SLTST	-	fr	0	-
RUL08	79.00	81.30	SLTST/SH	-	fr	0	-
RUL08	81.30	87.40	SST	-	fr	0	-
RUL08	87.40	87.80	QV	-	fr	100	-
RUL08	87.80	91.80	SST/QV	-	fr	-	-
RUL08	91.80	93.30	SST/QV	asp py vg	fr	10	sil carb
RUL08	93.30	104.50	SST/QV	-	fr	80	-
RUL08	104.50	111.50	SST/QV	-	fr	5	-
RUL08	111.50	112.00	QV	-	fr	10	-
RUL08	112.00	113.00	SST	-	fr	0	-
RUL08	113.00	118.10	SST	-	fr	20	-
RUL08	118.10	124.80	SST	-	fr	0	-
RUL08	124.80	125.60	QV	py	fr	5	-
RUL08	125.60	132.10	SST/SH	-	fr	0	-
RUL08	132.10	134.10	SH/SST/QV	-	fr	0	-
RUL08	134.10	146.60	SST	-	fr	0	-
RUL08	146.60	147.60	SST/QV	py asp	fr	20	sil
RUL08	147.60	153.20	SST	-	fr	0	-
RUL08	153.20	155.90	SLTST/SH	-	fr	10	-
RUL08	155.90	156.20	SST	-	fr	0	-
RUL08	156.20	159.10	SST	-	fr	0	-
RUL08	159.10	160.20	SST/QV	-	fr	5	-
RUL08	160.20	161.80	SST	-	fr	0	-
RUL08	161.80	164.40	SST/SLTST	-	fr	5	-

#### Collar Survey (GDA94).

5,428,107.0 mN  
 566,802.4mE  
 414.99mAHD

#### Down Hole Surveys.

Date Started 26/03/08  
 Date Completed 25/04/08  
 Final Depth 164.4

Survey Depth (down hole)	Inclination	Magnetic Bearing	GDA94 Converted Bearing (+14.5°)
35.0	-47.0	106.0	120.5
50.0	-47.0	106.0	120.5
80.0	-47.0	105.0	119.5
110.0	-47.0	104.0	118.5
140.0	-47.0	103.0	117.5
164.0	-45.5	102.0	116.5

### Assays

HOLE ID	FROM (m)	To (m)	INTERVAL (m)	AU (g/t)	Ag (g/t)	As (ppm)	SAMPLE ID
RUL08	91.3	91.8	0.5	0.09	1	350	303076
RUL08	91.8	92.6	0.8	3.88	1	12000	303077
RUL08	92.6	93.3	0.7	97.2	3	3250	303078
RUL08	93.3	94.1	0.8	0.08	1	100	303079
RUL08	146.2	146.7	0.5	0.06	1	550	303080
RUL08	146.7	147.2	0.5	0.10	1	100	303081
RUL08	147.2	147.5	0.3	0.01	1	100	303082
RUL08	147.5	148.0	0.5	0.01	1	150	303083

## Appendix 6

### Drill Hole RUL09 Low Impact Diamond Drilling Specialists.

#### Drill Hole Summary.

Drill hole not logged

#### **Collar Survey (GDA94).**

5,428,107.0 mN

566,802.4mE

414.99mAHD

#### **Down Hole Surveys.**

Date Started 26/04/08

Date Completed 27/04/08

Final Depth 20.

Survey Depth (down hole)	Inclination	Magnetic Bearing	GDA94 Converted Bearing (+14.5°)
20.0	-52.0	094.0	108.5

#### Assays

No samples taken

## Appendix 7

### Drill Hole RUL10 Low Impact Diamond Drilling Specialists.

#### Drill Hole Summary.

HOLE-ID	FROM	TO	LITH	SULPHIDE	WEATH	QTZ(%)	ALT
RUL10	-	3.80	SH	-	ox	0	-
RUL10	3.80	18.20	SST	-	ox	5	-
RUL10	18.20	21.30	SH	-	ox	0	-
RUL10	21.30	28.60	SH	-	fr	0	-
RUL10	28.60	31.70	SH/QV	-	fr	1	-
RUL10	31.70	46.10	SH/QV	-	fr	10	-
RUL10	46.10	50.50	SLTST	-	fr	15	-
RUL10	50.50	68.10	SH/QV	-	fr	10	-
RUL10	68.10	73.00	SST/QV	-	fr	1	-
RUL10	73.00	74.00	SLTST	-	fr	10	-
RUL10	74.00	84.00	SLTST/QV	-	fr	5	-
RUL10	84.00	90.60	QV/SH	-	fr	70	-
RUL10	90.60	92.00	SST	-	fr	1	-
RUL10	92.00	96.30	SH	-	fr	10	-
RUL10	96.30	101.20	SST	-	fr	10	-
RUL10	101.20	106.60	SST	-	fr	10	-
RUL10	106.60	107.50	QV	py cpy sph ga	fr	90	-
RUL10	107.50	109.00	SST/QV	-	fr	5	-
RUL10	109.00	111.60	SST	-	fr	0	-
RUL10	111.60	112.10	QV	-	fr	90	-
RUL10	112.10	113.60	SST	-	fr	0	-
RUL10	113.60	114.10	SLTST	-	fr	0	-
RUL10	114.10	120.10	SST	-	fr	5	-
RUL10	120.10	128.40	SST/QV	-	fr	1	-
RUL10	128.40	136.90	SST/SH	-	fr	0	-
RUL10	136.90	144.10	SST	-	fr	0	-
RUL10	144.10	148.60	SST	-	fr	1	-
RUL10	148.60	150.60	SH	-	fr	0	-
RUL10	150.60	152.60	SH/QV	-	fr	5	-
RUL10	152.60	155.80	SST	-	fr	0	-
RUL10	155.80	158.90	QV/SH	-	fr	80	-
RUL10	158.90	161.50	SST/QV	-	fr	5	-
RUL10	161.50	162.00	SH/SLTST/QV	-	fr	0	-
RUL10	162.00	163.90	SST	py	fr	1	-
RUL10	163.90	164.60	SH/QV	-	fr	5	-
RUL10	164.60	166.20	SH	-	fr	0	-
RUL10	166.20	170.20	SST	-	fr	0	-
RUL10	170.20	170.60	SH	-	fr	1	-
RUL10	170.60	179.00	SST	-	fr	1	-
RUL10	179.00	180.40	SH/QV	asp py	fr	50	sil carb
RUL10	180.40	188.40	SST	-	fr	0	-
RUL10	188.40	200.00	SST/SH	-	fr	1	-

#### Collar Survey (GDA94).

5,428,107.0 mN  
 566,802.4mE  
 414.99mAHD

### Down Hole Surveys.

Date Started 28/04/08  
Date Completed 30/06/08  
Final Depth 200

Survey Depth (down hole)	Inclination	Magnetic Bearing	GDA94 Converted Bearing (+14.5°)
20	-51	103	117.5
59	-51	101	115.5
89	-51	103	117.5
158	-49	100	114.5
188	-48	100	114.5

### Assays

HOLE ID	FROM (m)	To (m)	INTERVAL (m)	AU (g/t)	Ag (g/t)	As (ppm)	SAMPLE ID
RUL10	106.1	106.6	0.5	0.32	1	900	303068
RUL10	106.6	107.5	0.9	5.28	57	2650	303069
RUL10	107.5	108	0.5	0.61	1	1750	303070
RUL10	178.5	179.0	0.5	0.02	1	300	303071
RUL10	179.0	179.5	0.5	2.97	4	9800	303072
RUL10	179.5	179.9	0.4	3.65	1	11900	303073
RUL10	179.9	180.5	0.6	5.11	1	12800	303074
RUL10	180.5	181.0	0.5	0.02	1	200	303075