

EL25/2004 ALBERTON

TASMANIA

ANNUAL TECHNICAL REPORT

OCTOBER 8TH 2010 – OCTOBER 7TH 2011

AUTHOR: P. J. de Vries., - MSc, BAppSc, MAusIMM
Geological, Educational & Mining Services Pty Ltd

REPORT No: EL252004_ATR_OCT_11

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LICENSEE: **Low Impact Diamond Drilling Specialists Pty Ltd**

ABN: 26 079 634 692

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VERIFICATION LISTING

Exploration Work	File_name	Type	Format	Description
Office Studies				
Report	EL252004_201011_01_report	pdf		Report Body
Drilling				
Drilling_All	EL252004_201011_02_dhlocation	txt		Drill hole collar locations
Drilling_All	EL252004_201011_03_dhassay	txt		Drill hole assay data
Drilling_All	EL252004_201011_04_dhsurvey	txt		Down hole survey
Drilling_All	EL252004_201011_05_lithology	txt		Drill hole lithology
Drilling_All	EL252004_201011_06_lithcode	txt		Lithology Codes
Drilling_All	EL252004_201011_07_standards	txt		Assay standards data
Report	EL252004_201011_02_appendix1	pdf		Drill hole collar locations
Report	EL252004_201011_03_appendix2	pdf		Drill hole assay data
Report	EL252004_201011_04_appendix3	pdf		Down hole survey
Report	EL252004_201011_05_appendix4	pdf		Drill hole lithology
Report	EL252004_201011_06_appendix5	pdf		Lithology Codes
Report	EL252004_201011_07_appendix6	pdf		Assay standards data

TENEMENT DETAILS

LICENSEE: **Low Impact Diamond Drilling Specialists Pty Ltd**
Grant date 1: 08/10/2004

ABN: 26 079 634 692

ABSTRACT

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 2010 – 2011, little work was able to be undertaken due to the extremely wet summer and winter conditions. Approved access track and pads to enable drilling to occur in the Hannah line were unable to be constructed due to the ongoing wet weather.

It is anticipated that access will be established once the area has dried out sufficiently to allow earthmoving equipment to access the area safely without causing undue damage to the environment.

KEY WORDS

Location Name:	Alberton, Ringarooma
Earth Science Related Terms:	Sinstral fault, dextral fault, pre-mineralisation shear, post mineralisation shear, brittle offset.
Environment of Mineralisation:	shear hosted mineralisation, brittle host, quartz vein stockwork.
Commodities:	gold, silver
Exploration Methods:	Historical research, 3D geological modelling, drill testing based on model, rock chip sampling/field mapping, underground mapping.
Mine / prospect name:	Ringarooma United, Gumsucker, Thomas, Hannah, Rosalyn, Strachan Reef, Roaring Meg Reef, Mercury Mine, Victoria Reef, Long Struggle Reef, Short Struggle Reef, Caxton Reef, Scotchman Reef, Montana Reef.
Stratigraphic Name:	Mathinna Supergroup.
Geological province name:	Lachlan Fold Belt.
Geological age:	Devonian

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.

A one year extension to the Exploration Licence of was applied for in October 2009 with approval granted on 24th November 2009.

Site visit occurred between the Licence holders (LIDDS) and Mineral Resources Tasmania (MRT) to reconfirm proposed access track and pads. Unfortunately on each occasion when earthmoving contractors were to be mobilised to site the area experienced significant wet weather.

The area explored to-date has focussed primarily on the Ringarooma United Mine, the major producer on the Alberton Goldfield.

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.

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

However as a result of revised structural modelling additional exploration targets both near the Ringarooma United (Hannah and Thomas lodes) have been identified. Additional mineralised areas within the Alberton Goldfields have still to be prioritised in regards to future exploration.

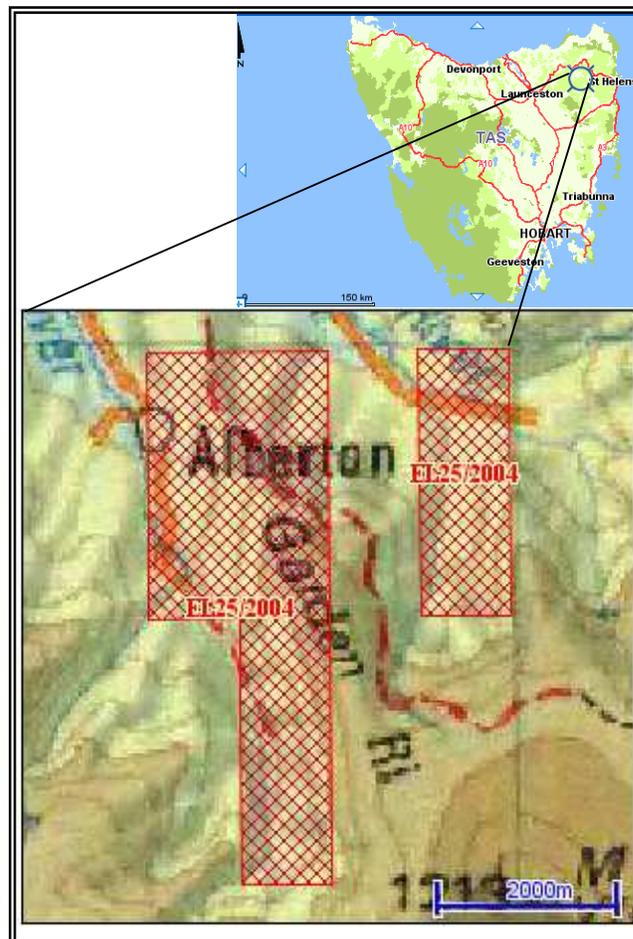
3.0 Location and Access.

Exploration Licence EL25/2004 is located near the rural township of Ringarooma, and covers the ghost-town of Albarton, 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-scherophyll 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 north westerly 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 from 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.

During 2007 – 2008 (de Vries, 2008) a completed literature and data review was undertaken.

This review proposed a new structural model for the Ringarooma United with the main mine structure has a steep easterly dip component of around 75 – 85°. The mineralised structure is 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.

In order to test the new model three diamond drill holes (RUL08 – 10) were drilled with RUL09 terminated at 20 metres when an unacceptable azimuth was determined by down-hole survey. The two remaining holes both intersected anomalous auriferous structures extremely close to where modelling predicted. These results give credence that the new structural model is in fact valid.

The remodelling with the new structural controls indicated that most of the previous work by explorers on the field was fundamentally flawed. The failure to allow for the 'fault windows' developed between the off-sets of the lode resulted in several drill holes passing through these windows and subsequently missing intersecting any mineralisation. Most of the other deeper drill holes had in hindsight not been drilled deep enough to intersect the easterly dipping structure.

Total drilling for the period 2007 – 2008 was 384.0 metres.

During 2008 – 2009 (de Vries, 2009) surface examinations and tape and compass surveys were undertaken and data reviews was undertaken.

Sampling of the drilling undertaken in 2007 -2008 was also performed. Assay data from holes (RUL06 & RUL07) drilled during May and June 2007 were submitted and received (Table 1). The results indicated broad zones of low grade gold mineralisation one of which is associated with a small parallel structure

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
RUL06	182.6	194.75	4.15	0.63	1.0	12,501	Lode
RUL07	42.9	44.75	3.60	0.51	0.51	1,178	Fault Zone

6.0 Exploration Completed During the Reporting Period

6.1 Work Completed

As a result of conditions applied to the Work Plan an on-site meetings with MRT representatives (Mr D Gatehouse) and representatives of LIDDS (Mr M Dunham), occurred during the period in order to again confirm the location of the proposed track and pads.

ongoing inclement winter conditions has prevented the mobilisation of contractors to site to establish the approved drill pads and access sites, as a consequence no drilling occurred during the period.

7.0 Discussion and Conclusions.

Work proposed for 2011 – 2012 period is still proposed to follow the Work Plan designed for 2010/11 period, consisting of the establishment of the access and drill pads and drilling into either, the Hannah, Ringarooma or Thomas lode positions.

8.0 Expenditure 2010 – 2011

Geoscientific Costs

- Geology \$3,000
- Geochemistry -
- Geophysics -
- Remote Sensing -

Drilling & Gridding Costs

- Gridding -
- Drilling -

Land Access Costs -

Rehabilitation Costs -

Feasibility Study Costs -

Other Items \$8,388

Administration Costs \$3,220

Total Costs \$14,608

9.0 References

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- 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.*

APPENDICIES

APPENDIX 1

Surface Location (SL1)

H0001 Exploration Licence Data header file
H0002 Version 1
H0003 Generated 4/10/2011
H0004 Reporting period end_date 7/10/2011
H0005 State Tasmania
H0100 Tenement_name EL25_2004
H0101 Tenement_holder Low Impact Diamond Drilling Specialists Pty Ltd
H0102 Project_name Alberton
H0103 Map_sheet_number_250K NORTH EAST
H0113 Map_sheet_number_100K 5643; RINGAROOMA
H0123 Map_sheet_number_25K 5642; ALBERTON
H0200 Start_of_data_acquisiton 8/10/2010
H0201 End_of_data_acquisiton 7/10/2011
H0202 Data_format SG1
H0203 Number_of_data_records 15
H0204 Date_of_metadata_update 4/10/2011
H0300 FileNames
H0301 downhole_survey_data_file EL252004_201011_04_dhsurvey.txt
H0302 location_data_file EL252004_201011_02_dhlocation.txt
H0303 assay_data_file EL252004_201011_03_dhassay.txt
H0304 rock_description_file EL252004_201011_05_lithology.txt
H0305 lithology_code_file EL252004_201011_06_lithcode.txt
H0400 Drilling_code Contractor
H0401 DD Diamond Bit - Coring Low Impact Diamond Drilling Specialists Pty Ltd
H0500 Surveyed_feature drill hole collars
H0501 Geodetic_datum GDA94
H0502 Vertical_datum AHD
H0503 Projection Universal Transverse Mercator (UTM)
H0504 Coordinate_system Grid (MGA)
H0505 Projection_zone 55
H0506 Surveying_instrument GPS - Magellan (Accuracy 10 m)
H0507 Surveying_company Low Impact Diamond Drilling Specialists Pty Ltd
H0900 Remarks Total Station GDA94 AMG Zone 55 Survey
H1000 Project Prospect Hole_idGDA_E GDA_N AHD_RL_
LENGTH Drilltype Line Start_Date End_Date Hole_Size
Coll_Surv Drill_Company Lab
H1001 metres metres metres metres
H1004
D Project Prospect Hole-ID LocationX_GDA_94
LocationY_GDA_94 LocationZ_GDA_94 Length DrillType Line
Start_Date End_Date Hole_Size Coll_Surv Drill_Company Lab
D ALBERTON Ringarooma United RU1 " 5,428,121.7 " " 566,850.7 "
362.80 46.50 UG_DDH RING_UNTD ? ? LTK40 (?) N
Low Impact Diamond Drilling Specialists Pty Ltd ?
D ALBERTON Ringarooma United RU2 " 5,428,121.7 " " 566,850.7 "
362.80 52.50 UG_DDH RING_UNTD ? ? LTK40 (?) N
Low Impact Diamond Drilling Specialists Pty Ltd ?
D ALBERTON Ringarooma United RU3 " 5,428,118.0 " " 566,856.0 "
362.80 50.50 UG_DDH RING_UNTD ? ? LTK40 (?) N
Low Impact Diamond Drilling Specialists Pty Ltd ?

APPENDIX 2

Downhole Geochemistry (DG1)

FILE: EL252004_ATR_OCT_11
LIDDS Pty Ltd: 44 Mace Street, Burnie, Tasmania 7320

Downhole Geochemistry (DG1)

H0001 Exploration Licence Data header file
H0002 Version 1
H0003 Generated 4/10/2010
H0004 Reporting period end_date 7/10/2011
H0005 State Tasmania
H0100 Tenement_name EL25_2004
H0101 Tenement_holder Low Impact Diamond Drilling Specialists Pty Lt
H0102 Project_name Alberton
H0103 Map_sheet_number 100K NORTH EAST
H0113 Map_sheet_number 50K 5643; RINGAROOMA
H0123 Map_sheet_number 25K 5642; ALBERTON
H0200 Start_date_of_data_acquisition 8/10/2010
H0201 End_date_of_data_acquisition 7/10/2011
H0202 Data_format SG1
H0203 Number_of_data_records 180
H0204 Date_of_metadata_update 4/10/2011
H0300 FileNames
H0301 assay_data_file EL252004_201011_03_dhassay.txt
H0600 Sample_Code Sample_Type Sample_Description
H0601 R Diamond Drill core "Core, Sample interval"
H0700 Sample_Processing_Code Sample_Processing_Details
H0701 FA25_AAS 12hr Dry @ 80C - Jaw Cruch to 80% <3mm - Total Pulv (LM5) to 90% <75um - 200g Split for assay
H0702 ScreenFire 12hr Dry @ 80C - Jaw Cruch to 80% <3mm - Total Pulv (LM5) to 90% <75um - 500g Split for assay
H0800 Assay_code Assay_Description Assay_company
H0801 FA25_AAS FA/AAS Fire Assay (25g)/flame Atomic Absorption Spectrometry
Bernie Research Laboratory Pty Ltd
H0802 ScreenFire Screen Fire Assay Bernie Research Laboratory Pty Ltd
H0804 AT/OES 4 Acid Digest in Teflon Tube / Inductively Coupled Plasma Optical
(Atomic) Emission Spectrometry Bernie Research Laboratory Pty Ltd
H0900 Remarks Down Hole Geochemistry
H1000 Project Prospect Hole-ID From To Sample Au_ppm
Au_ppm Au_Avg Ag_ppm As_ppm
H1001 Au_Rp1 (F650) FA25_AAS
AT/OES AT/OES
H1002 metre metre ppm ppm ppm ppm
ppm
H1003 0.10 0.10 -0.99 0.01 0.01 1 50
D Project Prospect Hole-ID From To Sample Au_ppm
Au_ppm Au_ppm Ag_ppm As_ppm
D ALBERTON Ringarooma United RU4 56.4 57 73000 0.88
0.79
D ALBERTON Ringarooma United RU4 59.7 60.5 73006
1.1
D ALBERTON Ringarooma United RU4 60.5 61 73007 2.8
1.65
D ALBERTON Ringarooma United RU5 33 33.1 73014
0.075
D ALBERTON Ringarooma United RU5 37.4 37.7 73022
0.36
D ALBERTON Ringarooma United RU5 41.1 41.2 73028
0.28

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D	ALBERTON 1.16	Ringarooma United	RUL01	153.1	154	100720		
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D	ALBERTON 1.07	Ringarooma United	RUL01	161.6	162.6	100725		
D	ALBERTON 1.67	Ringarooma United	RUL01	162.6	163.7	100726		
D	ALBERTON 85.94 85.94	Ringarooma United	RUL01	185.8	186.4	100733		

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D	ALBERTON 0.021 NE	Ringarooma United	RUL02 68.7	68.8	49173
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D	ALBERTON 0.063 NE	Ringarooma United	RUL02 0	0.1	49177
D	ALBERTON 0.069 NE	Ringarooma United	RUL02 0	0.1	49178
D	ALBERTON 0.028 NE	Ringarooma United	RUL02 0	0.1	49179
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D	ALBERTON 0.21	Ringarooma United	RUL03 40	41.3	100727
D	ALBERTON 0.81	Ringarooma United	RUL03 41.3	42.3	100728
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D	ALBERTON 15.1	Ringarooma United	RUL03 51.4	51.8	100734 15.6
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D	ALBERTON 0.12	Ringarooma United	RUL03 121.4	121.9	100736
D	ALBERTON 0.03	Ringarooma United	RUL04 16.5	17.2	RUL4-1
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D	ALBERTON -0.01	Ringarooma United	RUL04 151.8	152.4	RUL4-3
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D	ALBERTON 0.02	Ringarooma United	RUL05 110	110.3	RUL5-4
D	ALBERTON 0.27	Ringarooma United	RUL05 188	188.3	RUL5-5
D	ALBERTON 0.15	Ringarooma United	RUL05 191.3	191.6	RUL5-6
D	ALBERTON 0.02	Ringarooma United	RUL05 194.4	194.8	RUL5-7
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D	ALBERTON 0.03 <1	Ringarooma United 313	RUL06 17.6	18.4	303004
D	ALBERTON 0.1 1	Ringarooma United 1248	RUL06 18.4	19.2	303005
D	ALBERTON 0.05 1	Ringarooma United 650	RUL06 19.2	19.8	303006
D	ALBERTON -0.01 <1	Ringarooma United 14	RUL06 37.3	38.1	303007
D	ALBERTON -0.01 <1	Ringarooma United 40	RUL06 38.1	39	303008
D	ALBERTON 0.05 <1	Ringarooma United 67	RUL06 61.6	62.5	303009
D	ALBERTON -0.01 <1	Ringarooma United	RUL06 65.9	66.6	303010
D	ALBERTON 0.03 <1	Ringarooma United 53	RUL06 66.6	67.25	303011
D	ALBERTON 0.35 <1	Ringarooma United 412	RUL06 69.8	70.7	303012
D	ALBERTON -0.01 1	Ringarooma United 15	RUL06 87.2	88.15	303014
D	ALBERTON -0.01 1	Ringarooma United 58	RUL06 88.15	89.1	303015
D	ALBERTON -0.01 1	Ringarooma United 32	RUL06 89.1	90	303016
D	ALBERTON 0.26 1	Ringarooma United 195	RUL06 90	90.9	303017
D	ALBERTON 0.02 1	Ringarooma United 157	RUL06 90.9	92.1	303018
D	ALBERTON 0.02 1	Ringarooma United 16	RUL06 92.1	93	303019
D	ALBERTON 0.03 1	Ringarooma United 65	RUL06 93	93.9	303020
D	ALBERTON 0.02 <1	Ringarooma United 51	RUL06 93.9	94.8	303021

D	ALBERTON	Ringarooma United	RUL06 94.8	95.7	303022
	0.07	1	88		
D	ALBERTON	Ringarooma United	RUL06 105.1	106	303023
	-0.01	<1	83		
D	ALBERTON	Ringarooma United	RUL06 106	106.9	303024
	-0.01	1			
D	ALBERTON	Ringarooma United	RUL06 106.9	107.8	303025
	-0.01	<1	21		
D	ALBERTON	Ringarooma United	RUL06 121.25	122.25	303026
	-0.01	<1	101		
D	ALBERTON	Ringarooma United	RUL06 123.75	124.6	303027
	-0.01	1	80		
D	ALBERTON	Ringarooma United	RUL06 124.6	125.45	303028
	-0.01	1	146		
D	ALBERTON	Ringarooma United	RUL06 127.5	128.2	303029
	0.02	1	306		
D	ALBERTON	Ringarooma United	RUL06 130.65	131.2	303030
	0.11	1	3221		
D	ALBERTON	Ringarooma United	RUL06 139	139.4	303031
	-0.01	<1	188		
D	ALBERTON	Ringarooma United	RUL06 139.4	139.75	303032
	0.09	<1	2256		
D	ALBERTON	Ringarooma United	RUL06 139.75	140.5	303033
	-0.01	<1	208		
D	ALBERTON	Ringarooma United	RUL06 140.5	141.4	303034
	0.04	<1	193		
D	ALBERTON	Ringarooma United	RUL06 141.4	142.3	303035
	0.1	1	226		
D	ALBERTON	Ringarooma United	RUL06 142.3	143.2	303036
	0.04	1	91		
D	ALBERTON	Ringarooma United	RUL06 143.2	144.1	303037
	-0.01	<1	59		
D	ALBERTON	Ringarooma United	RUL06 144.1	145	303038
	0.11	1	158		
D	ALBERTON	Ringarooma United	RUL06 145	145.9	303039
	0.02	1	199		
D	ALBERTON	Ringarooma United	RUL06 145.9	146.8	303040
	-0.01	1	39		
D	ALBERTON	Ringarooma United	RUL06 146.8	147.3	303041
	-0.01	<1	138		
D	ALBERTON	Ringarooma United	RUL06 147.3	148.2	303042
	0.06	1	264		
D	ALBERTON	Ringarooma United	RUL06 148.2	149	303043
	0.17	<1	160		
D	ALBERTON	Ringarooma United	RUL06 149	149.9	303044
	0.09	1	243		
D	ALBERTON	Ringarooma United	RUL06 149.9	150.8	303045
	0.03	<1	256		
D	ALBERTON	Ringarooma United	RUL06 150.8	151.7	303046
	0.05	<1	270		
D	ALBERTON	Ringarooma United	RUL06 151.7	152.5	303047
	0.15	<1	504		
D	ALBERTON	Ringarooma United	RUL06 152.5	153.4	303048
	0.04	<1	483		

D	ALBERTON	Ringarooma United	RUL06 153.4	154	303049
	0.09 1	691			
D	ALBERTON	Ringarooma United	RUL06 154	154.7	303050
	0.14 <1	466			
D	ALBERTON	Ringarooma United	RUL06 154.7	155.4	303051
	0.05 1	264			
D	ALBERTON	Ringarooma United	RUL06 155.4	156.3	303052
	0.05 1	102			
D	ALBERTON	Ringarooma United	RUL06 166	166.8	303054
	-0.01 <1				
D	ALBERTON	Ringarooma United	RUL06 166.8	167.5	303055
	-0.01 <1	10			
D	ALBERTON	Ringarooma United	RUL06 175.5	176.1	303056
	-0.01 1	370			
D	ALBERTON	Ringarooma United	RUL06 176.1	177	303057
	-0.01 <1	60			
D	ALBERTON	Ringarooma United	RUL06 177	177.8	303058
	-0.01 <1	92			
D	ALBERTON	Ringarooma United	RUL06 182.6	183.3	303060
	0.17 1	800			
D	ALBERTON	Ringarooma United	RUL06 186.2	186.9	303061
	0.62 1	4975			
D	ALBERTON	Ringarooma United	RUL06 186.9	187.8	303062
	0.97 1	2106			
D	ALBERTON	Ringarooma United	RUL06 187.8	188.7	303063
	0.72 1	1987			
D	ALBERTON	Ringarooma United	RUL06 193.8	194.75	303064
	0.56 1	2794			
D	ALBERTON	Ringarooma United	RUL06 194.75	195.7	303065
	0.24 1	1306			
D	ALBERTON	Ringarooma United	RUL06 195.7	196.3	303066
	0.1 <1	34			
D	ALBERTON	Ringarooma United	RUL06 196.3	197	303067
	0.41 <1	2042			
D	ALBERTON	Ringarooma United	RUL07 87.2	88.1	301901
	0.07 <1	157			
D	ALBERTON	Ringarooma United	RUL07 88.1	89	301902
	0.04 <1	150			
D	ALBERTON	Ringarooma United	RUL07 89	89.5	301903
	0.08 1	2053			
D	ALBERTON	Ringarooma United	RUL07 89.5	90	301904
	-0.01 <1				
D	ALBERTON	Ringarooma United	RUL07 90	90.9	301905
	-0.01 <1	30			
D	ALBERTON	Ringarooma United	RUL07 90.9	91.8	301906
	0.03 1	74			
D	ALBERTON	Ringarooma United	RUL07 91.8	92.7	301907
	0.07 <1	79			
D	ALBERTON	Ringarooma United	RUL07 92.7	93.6	301908
	0.02 <1				
D	ALBERTON	Ringarooma United	RUL07 93.6	94.5	301909
	0.02 <1				
D	ALBERTON	Ringarooma United	RUL07 96.4	97.3	301911
	0.03 <1	222			

D	ALBERTON	Ringarooma United	RUL07 97.3	98.2	301912
	-0.01 1	82			
D	ALBERTON	Ringarooma United	RUL07 117.3	118.2	301913
	-0.01 1	155			
D	ALBERTON	Ringarooma United	RUL07 118.2	119	301914
	0.03 <1	202			
D	ALBERTON	Ringarooma United	RUL07 119	119.6	301915
	0.14 <1	281			
D	ALBERTON	Ringarooma United	RUL07 121	121.5	301916
	0.12 <1	357			
D	ALBERTON	Ringarooma United	RUL07 121.5	122.4	301917
	0.02 <1	150			
D	ALBERTON	Ringarooma United	RUL07 122.4	124.7	301918
	0.04 <1				
D	ALBERTON	Ringarooma United	RUL07 0	1	303084
	0.33 <1	138			
D	ALBERTON	Ringarooma United	RUL07 1	2	303085
	0.07 <1	58			
D	ALBERTON	Ringarooma United	RUL07 2	3	303086
	0.07 <1	139			
D	ALBERTON	Ringarooma United	RUL07 34.75	35.15	303087
	0.14 1	1029			
D	ALBERTON	Ringarooma United	RUL07 35.15	36.1	303088
	0.03 <1	49			
D	ALBERTON	Ringarooma United	RUL07 42.9	43.25	303089
	0.59 <1	75			
D	ALBERTON	Ringarooma United	RUL07 43.25	44	303090
	1.45 1	2790			
D	ALBERTON	Ringarooma United	RUL07 44	44.75	303091
	0.7 1	2831			
D	ALBERTON	Ringarooma United	RUL07 44.75	45.5	303092
	0.03 <1	188			
D	ALBERTON	Ringarooma United	RUL07 48.9	49.9	303094
	0.02 1	89			
D	ALBERTON	Ringarooma United	RUL07 54.8	55.7	303095
	0.04 <1	64			
D	ALBERTON	Ringarooma United	RUL07 55.7	56.5	303096
	0.03 <1	79			
D	ALBERTON	Ringarooma United	RUL07 77.7	78.7	303097
	0.03 <1	82			
D	ALBERTON	Ringarooma United	RUL07 78.7	79.5	303098
	0.34 <1	106			
D	ALBERTON	Ringarooma United	RUL07 86	86.6	303099
	0.13 <1				
D	ALBERTON	Ringarooma United	RUL07 86.6	87.2	303100
	-0.01 <1	123			
D	ALBERTON	Ringarooma United	RUL08 91.3	91.8	303076
	0.09 1	350			
D	ALBERTON	Ringarooma United	RUL08 91.8	92.6	303077
	3.88 1	12000			
D	ALBERTON	Ringarooma United	RUL08 92.6	93.3	303078
	97.2 3	3250			
D	ALBERTON	Ringarooma United	RUL08 93.3	94.1	303079
	0.08 1	100			

D	ALBERTON	Ringarooma United	RUL08	146.2	146.7	303080
	0.06	1				
		550				
D	ALBERTON	Ringarooma United	RUL08	146.7	147.2	303081
	0.1	1				
		100				
D	ALBERTON	Ringarooma United	RUL08	147.2	147.5	303082
	0.01	1				
		100				
D	ALBERTON	Ringarooma United	RUL08	147.5	148	303083
	0.01	1				
		150				
D	ALBERTON	Ringarooma United	RUL09	0	20	
	0.01					
D	ALBERTON	Ringarooma United	RUL10	178.5	179	303071
	0.02	1				
		300				
D	ALBERTON	Ringarooma United	RUL10	179	179.5	303072
	2.97	4				
		9800				
D	ALBERTON	Ringarooma United	RUL10	179.5	179.9	303073
	3.65	1				
		11900				
D	ALBERTON	Ringarooma United	RUL10	179.9	180.5	303074
	5.11	1				
		12800				
D	ALBERTON	Ringarooma United	RUL10	180.5	181	303075
	0.02	1				
		200				
D	ALBERTON	Ringarooma United	RUL10	106.1	106.6	303068
	0.32	1				
		900				
D	ALBERTON	Ringarooma United	RUL10	106.6	107.5	303069
	5.28	57				
		2650				
D	ALBERTON	Ringarooma United	RUL10	107.5	108	303070
	0.61	1				
		1750				

EOF

APPENDIX 3

Drilling Results (DS1)

H0001 Exploration Licence Data header file
H0002 Version 1
H0003 Generated 4/10/2011
H0004 Reporting period end_date 7/10/2011
H0005 State Tasmania
H0100 Tenement_name EL25_2004
H0101 Tenement_holder Low Impact Diamond Drilling Specialists Pty Ltd
H0102 Project_name Alberton
H0113 Map_sheet_number 100K NORTH EAST
H0123 Map_sheet_number 25K 5643; RINGAROOMA
H0123 Map_sheet_number 25K 5642; ALBERTON
H0200 Start_date_of_data_acquisition 8/10/2010
H0201 End_date_of_data_acquisition 7/10/2011
H0202 Data_format SG1
H0203 Number_of_data_records 46
H0204 Date_of_metadata_update 4/10/2011
H0300 FileNames
H0301 downhole_survey_data_file EL252004_201011_04_dhsurvey.txt
H0502 Vertical_datum AHD
H0506 Surveying_instrument Single Shot Eastman Survey Camera
H0507 Surveying_company Low Impact Diamond Drilling Specialists Pty Ltd
H0900 Remarks Down Hole Distance
H1000 Project Prospect HOLE_ID Depth Azimuth_AMG Azimuth_Magnetic
Dip Instrument
H1001 metres degrees_decimal degrees_decimal
degrees_decimal
H1004 0.1 0.5 0.5 0.5
D Project Prospect Hole-ID Distance Azimuth
Azimuth_Mag Dip Instrument
D ALBERTON Ringarooma United RU1 46.5 117.5 132 -10
Eastman Single Shot
D ALBERTON Ringarooma United RU2 52.5 117.5 132 -15
Eastman Single Shot
D ALBERTON Ringarooma United RU3 50.5 107.5 122 -55
Eastman Single Shot
D ALBERTON Ringarooma United RU4 62.5 106 120.5 -40
Eastman Single Shot
D ALBERTON Ringarooma United RU5 43 77.5 92 -43
Eastman Single Shot
D ALBERTON Ringarooma United RUL01 60 100 114.5 -58
Eastman Single Shot
D ALBERTON Ringarooma United RUL01 120 93 107.5 -58
Eastman Single Shot
D ALBERTON Ringarooma United RUL01 210 102.5 117 -57
Eastman Single Shot
D ALBERTON Ringarooma United RUL02 20 110 124.5 -63
Eastman Single Shot
D ALBERTON Ringarooma United RUL02 50 110 124.5 -63
Eastman Single Shot
D ALBERTON Ringarooma United RUL02 80 109 123.5 -63
Eastman Single Shot
D ALBERTON Ringarooma United RUL02 110 108 122.5 -63
Eastman Single Shot

D	ALBERTON	Ringarooma United	RUL02 140	108	122.5	-63
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL02 170	107.5	118	-63
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL02 222	109	123.5	-63
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL03 53	126	140.5	-54
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL03 100	121	135.5	-54
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL03 223	118	132.5	-53
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL04 51.5	98.5	113	-50.5
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL04 121	100	114.5	-46.5
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL04 190	100	114.5	-44.5
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL05 70	90	104.5	-48.75
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL05 128.2	90	104.5	-46
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL05 198.2	89	103.5	-41.5
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL06 33	111	125.5	-44
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL06 73	110	124.5	-46
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL06 103	108.5	123	-46.5
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL06 133	108.5	123	-47.7
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL06 163	108	122.5	-49
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL06 199	108.5	123	-50
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL07 40	120	134.5	-55
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL07 90	119.5	134	-55
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL07 119.5	120	134.5	-55
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL08 164	102	116.5	-45.5
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL08 140	103	117.5	-47
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL08 35	106	120.5	-47
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL08 50	106	120.5	-47
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL08 80	105	119.5	-47
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL08 110	104	118.5	-47
		Eastman Single Shot				

D	ALBERTON	Ringarooma United	RUL09 20	94	108.5	-52
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL10 128	100	114.5	-49.5
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL10 20	103	117.5	-51
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL10 59	101	115.5	-51
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL10 89	103	117.5	-51
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL10 158	100	114.5	-49
		Eastman Single Shot				
D	ALBERTON	Ringarooma United	RUL10 188	100	114.5	-48
		Eastman Single Shot				

EOF

APPENDIX 4

Lithological Logging (DL1)

H0001 Exploration Licence Data header file
H0002 Version 1
H0003 Generated 4/10/2010
H0004 Reporting period end_date 7/10/2011
H0005 State Tasmania
H0100 Tenement_name EL25_2004
H0101 Tenement_holder Low Impact Diamond Drilling Specialists Pty Ltd
H0102 Project_name Alberton
H0113 Map_sheet_number_250K NORTH EAST
H0123 Map_sheet_number_100K 5643; RINGAROOMA
H0123 Map_sheet_number_25K 5642; ALBERTON
H0200 Start_of_data_acquisiton 8/10/2010
H0201 End_of_data_acquisiton 7/10/2011
H0202 Data_format SG1
H0203 Number_of_data_records 235
H0204 Date_of_metadata_update 4/10/2011
H0300 FileNames
H0301 rock_description_file EL252004_201011_05_lithology.txt
H0302 lithology_code_file EL252004_201011_06_lithcode.txt
H0502 Vertical_datum AHD
H0506 Surveying_instrument Down Hole Distance (From)
H0507 Surveying_company
H0600 Sample_Code Sample_Type Sample_Description
H0601 R DC Drill core Drill Hole Lithology
H0900 Remarks From - To interval record
H1000 Project Prospect Hole_idFrom To Lith_1 MINERAL Weathering
QTZ ALT_TYPE
H1001 metres metres species % style
H1004 0.1 0.1
D Project Prospect Hole-ID From To Lithology Sulphide
Weathering % Qtz ALT_TYPE
D ALBERTON Ringarooma United RUL01 0 18.5 SST - ox
0 -
D ALBERTON Ringarooma United RUL01 18.5 33.3 SH - ox
1 -
D ALBERTON Ringarooma United RUL01 33.3 36.9 DYKE py fr
1 -
D ALBERTON Ringarooma United RUL01 36.9 43.3 SLTST - fr
1 -
D ALBERTON Ringarooma United RUL01 43.3 55.1 SLTST - fr
1 -
D ALBERTON Ringarooma United RUL01 55.1 88.7 SST py fr
1 -
D ALBERTON Ringarooma United RUL01 88.7 102.3 SST/SH py
fr 1 -
D ALBERTON Ringarooma United RUL01 102.3 125.5 SST py fr
1 -
D ALBERTON Ringarooma United RUL01 125.5 148.9 DYKE py fr
1 -
D ALBERTON Ringarooma United RUL01 148.9 150.3 FAULTpy fr
1 ser

D	ALBERTON 1 ser	Ringarooma United	RUL01	150.3	162.3	DYKE	py	fr
D	ALBERTON 1 -	Ringarooma United	RUL01	162.3	177	SST	py	fr
D	ALBERTON 1 -	Ringarooma United	RUL01	177	189.3	SST	-	fr
D	ALBERTON 1 -	Ringarooma United	RUL01	189.3	210.3	SST	py	fr
D	ALBERTON 0 -	Ringarooma United	RUL02	71.4	73.4	FAULT-		fr
D	ALBERTON 1 -	Ringarooma United	RUL02	73.4	80.7	SLTST	-	fr
D	ALBERTON 1 -	Ringarooma United	RUL02	80.7	127	SST	-	fr
D	ALBERTON 0 -	Ringarooma United	RUL02	0	15.3	SST	-	ox
D	ALBERTON ox 0	Ringarooma United	RUL02	15.3	24.2	SST/SH		-
D	ALBERTON fr 1	Ringarooma United	RUL02	24.2	37.8	SST/SH		-
D	ALBERTON fr 5	Ringarooma United	RUL02	37.8	42.5	SST/FAULT		py
D	ALBERTON 1 sil	Ringarooma United	RUL02	42.5	59.4	SLTST	py	fr
D	ALBERTON fr 1	Ringarooma United sil	RUL02	59.4	73.4	SST/SLTST		py
D	ALBERTON 0 -	Ringarooma United	RUL03	0	22.5	SST	-	ox
D	ALBERTON 0 -	Ringarooma United	RUL03	22.5	27.6	SLTST	-	fr
D	ALBERTON 1 -	Ringarooma United	RUL03	27.6	31.5	SLTST	-	fr
D	ALBERTON 1 -	Ringarooma United	RUL03	31.5	42.5	FAULT-		fr
D	ALBERTON 1 ser	Ringarooma United	RUL03	42.5	45.3	FAULT	py	fr
D	ALBERTON fr 1	Ringarooma United "sil, ser"	RUL03	45.3	56.4	FAULT/SH		py
D	ALBERTON 1 chl	Ringarooma United	RUL03	56.4	92.9	SST	py	fr
D	ALBERTON 0 sil	Ringarooma United	RUL03	92.9	104.2	FAULT-		fr
D	ALBERTON 0 -	Ringarooma United	RUL03	104.2	106.2	DYKE	-	fr
D	ALBERTON 1 sil	Ringarooma United	RUL03	106.2	184.3	SST	-	fr
D	ALBERTON 0 -	Ringarooma United	RUL03	184.3	188	FAULT-		fr
D	ALBERTON 0 -	Ringarooma United	RUL03	188	203	SST	-	fr
D	ALBERTON 0 -	Ringarooma United	RUL03	203	207.4	DYKE	py	fr
D	ALBERTON 1 sil	Ringarooma United	RUL03	207.4	223.3	SST	-	fr

D	ALBERTON	Ringarooma United	RUL04 0	13.3	SST	-	ox
D	ALBERTON	Ringarooma United	RUL04 13.3	19.2	DYKE	-	ox
D	ALBERTON	Ringarooma United	RUL04 19.2	28	SST/SH	-	-
D	ALBERTON	Ringarooma United	RUL04 28	33.5	SLTST	-	fr
D	ALBERTON	Ringarooma United	RUL04 33.5	58	SST	-	fr
D	ALBERTON	Ringarooma United	RUL04 58	72.9	SST/SLTST	-	py
D	ALBERTON	Ringarooma United	RUL04 83.5	93.8	SST	-	fr
D	ALBERTON	Ringarooma United	RUL04 93.8	119.8	SST	-	fr
D	ALBERTON	Ringarooma United	RUL04 119.8	151.8	SST	-	fr
D	ALBERTON	Ringarooma United	RUL04 72.9	73.7	SST/QV	-	py
D	ALBERTON	Ringarooma United	RUL04 73.7	83.5	SST/SLTST	-	-
D	ALBERTON	Ringarooma United	RUL04 151.8	152.4	SST/QV	-	py
D	ALBERTON	Ringarooma United	RUL04 152.4	155.4	SST	-	fr
D	ALBERTON	Ringarooma United	RUL04 155.4	156.1	SST/QV	-	py
D	ALBERTON	Ringarooma United	RUL04 156.1	178.5	SST	-	fr
D	ALBERTON	Ringarooma United	RUL04 178.5	178.8	SST/QV	-	py
D	ALBERTON	Ringarooma United	RUL04 178.8	185.8	SST	-	fr
D	ALBERTON	Ringarooma United	RUL04 185.8	190	SST/SHEAR	-	py
D	ALBERTON	Ringarooma United	RUL05 0	13.4	SST/SLTST	-	-
D	ALBERTON	Ringarooma United	RUL05 13.4	19.7	DYKE	-	ox
D	ALBERTON	Ringarooma United	RUL05 19.7	21.2	SST/SLTST	-	-
D	ALBERTON	Ringarooma United	RUL05 21.2	26	SST/QV	-	py
D	ALBERTON	Ringarooma United	RUL05 26	27	SHEAR	-	-
D	ALBERTON	Ringarooma United	RUL05 27	31.7	SST/QV	-	py
D	ALBERTON	Ringarooma United	RUL05 31.7	38.6	SST	-	fr
D	ALBERTON	Ringarooma United	RUL05 38.6	43.5	FAULT/QV	-	-
D	ALBERTON	Ringarooma United	RUL05 43.5	57	SST	-	fr

D	ALBERTON	Ringarooma United	RUL05 57	57.3	SST/QV	py
	fr 1	sil				
D	ALBERTON	Ringarooma United	RUL05 57.3	72.5	SST -	fr
	0 -					
D	ALBERTON	Ringarooma United	RUL05 72.5	97	SLTST/SST	-
	fr 0	-				
D	ALBERTON	Ringarooma United	RUL05 97	110	SST -	fr
	0 -					
D	ALBERTON	Ringarooma United	RUL05 110	110.3	SST/SHEAR	py
	fr 1	sil				
D	ALBERTON	Ringarooma United	RUL05 110.3	120.6	SST -	fr
	0 -					
D	ALBERTON	Ringarooma United	RUL05 120.6	121	SST/CB	-
	fr 1	carb				
D	ALBERTON	Ringarooma United	RUL05 121	125.8	SST -	fr
	0 -					
D	ALBERTON	Ringarooma United	RUL05 125.8	126.2	SST/CB	-
	fr 5	carb sil				
D	ALBERTON	Ringarooma United	RUL05 126.2	185.5	SST -	fr
	0 -					
D	ALBERTON	Ringarooma United	RUL05 185.5	188	SLTST/SST	py
	fr 1	-				
D	ALBERTON	Ringarooma United	RUL05 188	188.3	SLTST/QV	-
	fr 20	carb sil				
D	ALBERTON	Ringarooma United	RUL05 188.3	191.3	SLTST/SST	-
	fr 0	-				
D	ALBERTON	Ringarooma United	RUL05 191.3	191.6	SLTST/QV	-
	fr 20	carb sil				
D	ALBERTON	Ringarooma United	RUL05 191.6	194.4	SLTST/SST	-
	fr 0	-				
D	ALBERTON	Ringarooma United	RUL05 194.4	194.8	SLTST/QV	-
	fr 30	sil carb				
D	ALBERTON	Ringarooma United	RUL05 194.8	198.2	SLTST/SST	-
	fr 0	-				
D	ALBERTON	Ringarooma United	RUL06 0	3.7	SST/SLTST	-
	ox 1	-				
D	ALBERTON	Ringarooma United	RUL06 3.7	6.5	DYKE -	ox
	0 -					
D	ALBERTON	Ringarooma United	RUL06 6.5	14	SST/SLTST	-
	ox 1	-				
D	ALBERTON	Ringarooma United	RUL06 14	20	DYKE -	ox
	0 sil					
D	ALBERTON	Ringarooma United	RUL06 20	21	FAULT-	ox
	1 -					
D	ALBERTON	Ringarooma United	RUL06 21	27.7	SST/SH/SLTST-	
	ox 1	-				
D	ALBERTON	Ringarooma United	RUL06 27.7	28.5	FAULT-	ox
	0 -					
D	ALBERTON	Ringarooma United	RUL06 28.5	32.7	SST/SH/SLTST	py
	fr 1	-				
D	ALBERTON	Ringarooma United	RUL06 32.7	33.5	FAULT	py fr
	0 -					
D	ALBERTON	Ringarooma United	RUL06 33.5	43	SST/SH/SLTST	py
	fr 0	-				

D	ALBERTON fr 1	Ringarooma United -	RUL06 43	46	SST/SH/SLTST	py	
D	ALBERTON fr 5	Ringarooma United -	RUL06 46	48	SST/SH/SLTST	py	
D	ALBERTON fr 0	Ringarooma United -	RUL06 48	50.3	SST/SH/SLTST	py	
D	ALBERTON fr 5	Ringarooma United -	RUL06 50.3	53	SST/SH/SLTST	py	
D	ALBERTON fr 0	Ringarooma United -	RUL06 53	56.5	SST/SH/SLTST	py	
D	ALBERTON fr 5	Ringarooma United -	RUL06 56.5	62.5	SST/SH/SLTST	py	
D	ALBERTON 0	Ringarooma United -	RUL06 62.5	65.8	SST	py	fr
D	ALBERTON 30	Ringarooma United -	RUL06 65.8	67.25	QTZ	py	fr
D	ALBERTON 0	Ringarooma United -	RUL06 67.25	69.7	SST	py	fr
D	ALBERTON 10	Ringarooma United -	RUL06 69.7	71.7	SST	py	fr
D	ALBERTON 0	Ringarooma United -	RUL06 71.7	87.2	SST	-	fr
D	ALBERTON 15 chl carb	Ringarooma United	RUL06 87.2	96	SST	py asp	fr
D	ALBERTON 1 chl	Ringarooma United	RUL06 96	105.1	SST	-	fr
D	ALBERTON 10 chl carb	Ringarooma United	RUL06 105.1	110.5	SST	py	fr
D	ALBERTON 0	Ringarooma United -	RUL06 110.5	113	SST	-	fr
D	ALBERTON 10 sil	Ringarooma United	RUL06 113	117.6	SST	py	fr
D	ALBERTON 0	Ringarooma United -	RUL06 117.6	120	SST	-	fr
D	ALBERTON 10 sil/cb	Ringarooma United	RUL06 120	130	SST	py	fr
D	ALBERTON 0	Ringarooma United -	RUL06 130	139	SST	-	fr
D asp	ALBERTON fr 50	Ringarooma United chl sil	RUL06 139	147.35	SST/QV		py
D	ALBERTON 1	Ringarooma United -	RUL06 147.35	148.2	DYKE	py	fr
D	ALBERTON 10 sil	Ringarooma United	RUL06 148.2	154.7	SST	py	fr
D	ALBERTON 1 sil	Ringarooma United	RUL06 154.7	155.4	DYKE	py asp	fr
D	ALBERTON 5 chl	Ringarooma United	RUL06 155.4	166.05	SST	py	fr
D	ALBERTON 100 sil	Ringarooma United	RUL06 166.05	167.3	QTZ	py gal	fr
D	ALBERTON fr 0	Ringarooma United -	RUL06 167.3	176.15	SST/SH		py
D	ALBERTON 1	Ringarooma United -	RUL06 176.15	177.8	FAULT	py	fr

D	ALBERTON fr 5	Ringarooma United chl	RUL06 177.8	186.2	SST/SH	py	
D	ALBERTON fr 20	Ringarooma United chl	RUL06 186.2	186.85	SHEAR/QTZ	asp	
D	ALBERTON 1 chl	Ringarooma United	RUL06 186.85	191.7	DYKE	asp fr	
D	ALBERTON fr 1	Ringarooma United -	RUL06 191.7	193.8	SST/SH	py	
D	ALBERTON 1 -	Ringarooma United	RUL06 193.8	195.7	DYKE	py fr	
D	ALBERTON 10 -	Ringarooma United	RUL06 195.7	198	SST	py fr	
D	ALBERTON 0 -	Ringarooma United	RUL06 12.7	19.6	SH	- ox	
D	ALBERTON 5 -	Ringarooma United	RUL07 0	13	SST	- ox	
D	ALBERTON ox 5	Ringarooma United chl	RUL07 13	25.4	SLTST/SH	-	
D	ALBERTON 0 -	Ringarooma United	RUL07 25.4	28.25	SST	- fr	
D	ALBERTON fr 10	Ringarooma United -	RUL07 28.25	29	SST/QV	py	
D	ALBERTON 0 -	Ringarooma United	RUL07 29	34.7	SST	- fr	
D	ALBERTON fr 10	Ringarooma United -	RUL07 34.7	36.1	SST/QV	py	
asp	D	ALBERTON 0 -	Ringarooma United	RUL07 36.1	38	SST	- fr
D	ALBERTON fr 0	Ringarooma United chl	RUL07 38	43.25	SLTST/SH	-	
D	ALBERTON 1 -	Ringarooma United	RUL07 43.25	44.75	DYKE	asp py fr	
D	ALBERTON 0 -	Ringarooma United	RUL07 44.75	51	SST	py fr	
D	ALBERTON fr 20	Ringarooma United -	RUL07 51	52	SST/QV	-	
D	ALBERTON 0 -	Ringarooma United	RUL07 52	53	SST	- fr	
D	ALBERTON fr 15	Ringarooma United -	RUL07 53	56.5	SST/QV	py	
D	ALBERTON 0 -	Ringarooma United	RUL07 56.5	58.5	SST	py fr	
D	ALBERTON fr 15	Ringarooma United sil	RUL07 58.5	60.5	SST/QV	py	
D	ALBERTON 0 -	Ringarooma United	RUL07 60.5	63.9	SST	py fr	
D	ALBERTON fr 10	Ringarooma United -	RUL07 63.9	79.6	SST/QV	-	
D	ALBERTON 0 -	Ringarooma United	RUL07 79.6	86	SST	- fr	
D	ALBERTON fr 0	Ringarooma United -	RUL07 86	88	SST/SLTST	-	
D	ALBERTON py fr	Ringarooma United 30 sil	RUL07 88	90	SST/SLTST/QV		

D	ALBERTON fr 0	Ringarooma United -	RUL07 90	96.4	SST/SLTST	-
D	ALBERTON py fr	Ringarooma United 15 sil	RUL07 96.4	98.2	SST/SLTST/QV	
D	ALBERTON py fr	Ringarooma United 10 sil chl	RUL07 98.2	99	SST/SLTST/QV	
D	ALBERTON fr 1	Ringarooma United -	RUL07 99	106	SLTST/SH	py
D	ALBERTON fr 10	Ringarooma United -	RUL07 106	107.5	SLTST/SH/QV	-
D	ALBERTON fr 0	Ringarooma United -	RUL07 107.5	110	SLTST/SH	-
D	ALBERTON fr 10	Ringarooma United -	RUL07 110	111.5	SLTST/SH/QV	-
D	ALBERTON fr 0	Ringarooma United -	RUL07 111.5	116.9	SST/SLTST/SH-	
D	ALBERTON fr 15	Ringarooma United chl	RUL07 116.9	117.3	SLTST/SH/QV	-
D	ALBERTON fr 0	Ringarooma United -	RUL07 117.3	119.5	SST/SLTST/SH-	
D	ALBERTON 0 -	Ringarooma United	RUL07 119.5	121	SST -	fr
D	ALBERTON fr 50	Ringarooma United -	RUL07 121	124.85	SST/QV	-
D	ALBERTON 0 -	Ringarooma United	RUL07 124.85	126	SST -	fr
D	ALBERTON 0 -	Ringarooma United	RUL07 126	127.5	SST -	fr
D	ALBERTON ox 0	Ringarooma United -	RUL08 0	12.7	SLTST/SH	-
D	ALBERTON 0 sil	Ringarooma United	RUL08 19.6	26.5	SH py	ox
D	ALBERTON 0 sil	Ringarooma United	RUL08 26.5	35.6	SH/QV py	fr
D	ALBERTON fr 0	Ringarooma United sil	RUL08 35.6	45.2	SST/SH	-
D	ALBERTON 20 -	Ringarooma United	RUL08 45.2	54.2	SH/QV -	fr
D	ALBERTON fr 0	Ringarooma United sil	RUL08 54.2	58.4	SST/SH	-
D	ALBERTON fr 0	Ringarooma United -	RUL08 58.4	62.8	SLTST/SH	-
D	ALBERTON fr 0	Ringarooma United -	RUL08 62.8	69.3	SST/SLTST	-
D	ALBERTON 100 -	Ringarooma United	RUL08 69.3	69.5	QV -	fr
D	ALBERTON fr 0	Ringarooma United -	RUL08 69.5	76.7	SST/SLTST	-
D	ALBERTON 100 -	Ringarooma United	RUL08 76.7	77	QV -	fr
D	ALBERTON fr 0	Ringarooma United -	RUL08 77	79	SST/SLTST	-
D	ALBERTON fr 0	Ringarooma United -	RUL08 79	81.3	SLTST/SH	-

D	ALBERTON 0 -	Ringarooma United	RUL08 81.3	87.4	SST	-	fr
D	ALBERTON 100 -	Ringarooma United	RUL08 87.4	87.8	QV	-	fr
D	ALBERTON fr 0	Ringarooma United -	RUL08 87.8	91.8	SST/QV		-
D	ALBERTON fr 10	Ringarooma United sil carb	RUL08 91.8	93.3	SST/QV		asp
D	ALBERTON fr 80	Ringarooma United -	RUL08 93.3	104.5	SST/QV		-
D	ALBERTON fr 5	Ringarooma United -	RUL08 104.5	111.5	SST/QV		-
D	ALBERTON 10 -	Ringarooma United	RUL08 111.5	112	QV	-	fr
D	ALBERTON 0 -	Ringarooma United	RUL08 112	113	SST	-	fr
D	ALBERTON 20 -	Ringarooma United	RUL08 113	118.1	SST	-	fr
D	ALBERTON 0 -	Ringarooma United	RUL08 118.1	124.8	SST	-	fr
D	ALBERTON 5 -	Ringarooma United	RUL08 124.8	125.6	QV	py	fr
D	ALBERTON fr 0	Ringarooma United -	RUL08 125.6	132.1	SST/SH		-
D	ALBERTON fr 0	Ringarooma United -	RUL08 132.1	134.1	SH/SST/QV		-
D	ALBERTON 0 -	Ringarooma United	RUL08 134.1	146.6	SST	-	fr
D	ALBERTON fr 20	Ringarooma United sil	RUL08 146.6	147.6	SST/QV		py
D	ALBERTON 0 -	Ringarooma United	RUL08 147.6	153.2	SST	-	fr
D	ALBERTON fr 10	Ringarooma United -	RUL08 153.2	155.9	SLTST/SH		-
D	ALBERTON 0 -	Ringarooma United	RUL08 155.9	156.2	SST	-	fr
D	ALBERTON 0 -	Ringarooma United	RUL08 156.2	159.1	SST	-	fr
D	ALBERTON fr 5	Ringarooma United -	RUL08 159.1	160.2	SST/QV		-
D	ALBERTON 0 -	Ringarooma United	RUL08 160.2	161.8	SST	-	fr
D	ALBERTON fr 5	Ringarooma United -	RUL08 161.8	164.4	SST/SLTST		-
D	ALBERTON 0 -	Ringarooma United	RUL10 0	3.8	SH	-	ox
D	ALBERTON 5 -	Ringarooma United	RUL10 3.8	18.2	SST	-	ox
D	ALBERTON 0 -	Ringarooma United	RUL10 18.2	21.3	SH	-	ox
D	ALBERTON 0 -	Ringarooma United	RUL10 21.3	28.6	SH	-	fr
D	ALBERTON 1 -	Ringarooma United	RUL10 28.6	31.7	SH/QV	-	fr

D	ALBERTON	Ringarooma United	RUL10	31.7	46.1	SH/QV -	fr
	10 -						
D	ALBERTON	Ringarooma United	RUL10	46.1	50.5	SLTST -	fr
	15 -						
D	ALBERTON	Ringarooma United	RUL10	50.5	68.1	SH/QV -	fr
	10 -						
D	ALBERTON	Ringarooma United	RUL10	68.1	73	SST/QV	-
	fr 1 -						
D	ALBERTON	Ringarooma United	RUL10	73	74	SLTST -	fr
	10 -						
D	ALBERTON	Ringarooma United	RUL10	74	84	SLTST/QV	-
	fr 5 -						
D	ALBERTON	Ringarooma United	RUL10	84	90.6	QV/SH -	fr
	70 -						
D	ALBERTON	Ringarooma United	RUL10	90.6	92	SST -	fr
	1 -						
D	ALBERTON	Ringarooma United	RUL10	92	96.3	SH -	fr
	10 -						
D	ALBERTON	Ringarooma United	RUL10	96.3	101.2	SST -	fr
	10 -						
D	ALBERTON	Ringarooma United	RUL10	101.2	106.6	SST -	fr
	10 -						
D	ALBERTON	Ringarooma United	RUL10	106.6	107.5	QV py cpy sph	
ga	fr 90 -						
D	ALBERTON	Ringarooma United	RUL10	107.5	109	SST/QV	-
	fr 5 -						
D	ALBERTON	Ringarooma United	RUL10	109	111.6	SST -	fr
	0 -						
D	ALBERTON	Ringarooma United	RUL10	111.6	112.1	QV -	fr
	90 -						
D	ALBERTON	Ringarooma United	RUL10	112.1	113.6	SST -	fr
	0 -						
D	ALBERTON	Ringarooma United	RUL10	113.6	114.1	SLTST -	fr
	0 -						
D	ALBERTON	Ringarooma United	RUL10	114.1	120.1	SST -	fr
	5 -						
D	ALBERTON	Ringarooma United	RUL10	120.1	128.4	SST/QV	-
	fr 1 -						
D	ALBERTON	Ringarooma United	RUL10	128.4	136.9	SST/SH	-
	fr 0 -						
D	ALBERTON	Ringarooma United	RUL10	136.9	144.1	SST -	fr
	0 -						
D	ALBERTON	Ringarooma United	RUL10	144.1	148.6	SST -	fr
	1 -						
D	ALBERTON	Ringarooma United	RUL10	148.6	150.6	SH -	fr
	0 -						
D	ALBERTON	Ringarooma United	RUL10	150.6	152.6	SH/QV -	fr
	5 -						
D	ALBERTON	Ringarooma United	RUL10	152.6	155.8	SST -	fr
	0 -						
D	ALBERTON	Ringarooma United	RUL10	155.8	158.9	QV/SH -	fr
	80 -						
D	ALBERTON	Ringarooma United	RUL10	158.9	161.5	SST/QV	-
	fr 5 -						

D	ALBERTON	Ringarooma United	RUL10	161.5	162	SH/SLTST/QV	-	
	fr 0	-						
D	ALBERTON	Ringarooma United	RUL10	162	163.9	SST	py	fr
	1 -							
D	ALBERTON	Ringarooma United	RUL10	163.9	164.6	SH/QV	-	fr
	5 -							
D	ALBERTON	Ringarooma United	RUL10	164.6	166.2	SH	-	fr
	0 -							
D	ALBERTON	Ringarooma United	RUL10	166.2	170.2	SST	-	fr
	0 -							
D	ALBERTON	Ringarooma United	RUL10	170.2	170.6	SH	-	fr
	1 -							
D	ALBERTON	Ringarooma United	RUL10	170.6	179	SST	-	fr
	1 -							
D	ALBERTON	Ringarooma United	RUL10	179	180.4	SH/QV	asp py	fr
	50 sil carb							
D	ALBERTON	Ringarooma United	RUL10	180.4	188.4	SST	-	fr
	0 -							

EOF

APPENDIX 5

Lithological Logging (DL1)

H0001 Exploration Licence Data header file
H0002 Version 1
H0003 Generated 4/10/2011
H0004 Reporting period end_date 7/10/2011
H0005 State Tasmania
H0100 Tenement_name EL25_2004
H0101 Tenement_holder Low Impact Diamond Drilling Specialists Pty Ltd
H0102 Project_name Alberton
H0113 Map_sheet_number 100K NORTH EAST
H0123 Map_sheet_number 50K 5643; RINGAROOMA
H0123 Map_sheet_number 25K 5642; ALBERTON
H0200 Start_date_of_data_acquisition 8/10/2010
H0201 End_date_of_data_acquisition 7/10/2011
H0202 Data_format SG1
H0203 Number_of_data_records 32
H0204 Date_of_metadata_update 4/10/2011
H0300 FileNames
H0301 lithology_code_file EL252004_201011_06_lithcode.txt
H0502 Vertical_datum AHD
H0506 Surveying_instrument
H0507 Surveying_company
H0900 Remarks Logging Codes
H1000 Code Lithology
H1001
H1004
D LITHOLOGY
D CODE LITHOLOGY
D QV Quartz vein
D SLTST Siltstone
D CL Clay
D SST Sandstone
D FLT Fault
D SHR Shear zone
D GRAN Granite
D GRIES Griesen
D
D WEATHERING
D CODE WEATHERING
D F FRESH
D EW EXTREME WEATHERED
D VW VERY WEATHERED
D MW MODERATLY WEATHERED
D LW LIGHTLY WEATHERED
D NULL NO MATERIAL(Core loss - void)
D
D MINERAL
D CODE MINERAL
D gal Galena
D bar Barite
D NULL No Sulphides present
D py Pyrite
D sph Sphalerite
D cass Cassiterite

D mal Malachite
D stan Stanite
D sul Undefined Sulphide
D flour Florite
D cpy Chalcopyrite
D
D ALTERATION
D CODE ALTERATION
D 0 No visible alteration mineralis
D 1 "Minor bleaching, silica, carbonate and pyrite"
D 2 "Moderate sericite, silica and carbonate with minor base metals"
D 3 "Strong to pervasive sericite, silica and carbonate with abundant base metals
including pyrite"
D 4 "Intense sericite, silica and carbonate bleaching with base metals and pyrite
(Massive Sulphide)"
D
D ALTERATION_STYLE
D CODE ALTERATION_STYLE
D sil silicification
D feox iron oxide staining (after sulphide)
EOF