EL33/2008 – UNA PLAINS

TASMANIA

ANNUAL TECHNICAL REPORT

5TH NOVEMBER 2012 – 4TH NOVEMBER 2013

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REPORT DATE:	15/10/2013
LICENSEE:	**Geological, Educational & Mining Services Pty Ltd**
ABN:	31 066 519 551

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Drilling_All	EL332008_201213_03_dhassay	txt		Drill hole assay data
Drilling_All	EL332008_201213_04_dhsurvey	txt		Down hole survey
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TENEMENT DETAILS

LICENSEE: **Geological, Educational & Mining Services Pty Ltd**
Grant date 1: 05/11/2008

ABN: 31 066 519 551

ABSTRACT

Exploration Licence 33/2008 comprises 49 square kilometres located midway between Ringarooma and Mathinna in the states north-east. The licence was granted on 5th November 2008 to Geological, Educational and Mining Services Pty Ltd (GEMS).

Upon the anniversary of the fifth year of the licence a reduction of 21 square kilometres was applied for giving a remaining area of the license of 28 square kilometres

During the period 2012 – 2013 work has been undertaken included the assaying of the two drill holes completed in 2012, the approval by MRT of additional drill holes at the Hinemoa Prospect, and the identification of further prospect targets within the northern end of the Licence.

KEY WORDS

Location Name:	Una, Dans Rivulet. Hinemoa.
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:	Una Reef, Hinemoa Reef, Raynor's Adit, New River, Homestead Reef,
Stratigraphic Name:	Mathinna Supergroup.
Geological province name:	Lachlan Fold Belt.
Geological age:	Devonian

1.0 Introduction.

Exploration Licence 33/2008 comprises 49 square kilometres located midway between Ringarooma and Mathinna in the states north-east. The licence was granted on 5th November 2008 to geological, Educational and Mining Services (GEMS) Pty Ltd. As this reporting period represents the anniversary of the fifth year of the licence a reduction of 21 square kilometres has been applied for giving a remaining area of the license of 28 square kilometres.

2.0 Exploration Objectives.

The philosophy and objectives of the Exploration undertaken by GEMS 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 discrete anomalies as defined by independent re-interpretation of historic data.

- Confirm the veracity and extent of previous mapping and anomalous gold mineralisation.
- Inspect and sample any available underground openings
- Drill test below historic underground workings at depth to determine structural controls and geometry of primary source.

Hinemoa:

The Hinemoa workings have been explored previously by two adits and as series of surface trenches over a 250-metre strike length. The quartz lode is hosted within a significant north-south striking west dipping (75°) fault zone. The most northerly adit (Hinemoa) is still accessible.

Alberton Goldfield.

The Exploration Licence extends to the north of the Hinemoa and Una Prospects and surrounds the majority of the Alberton Goldfield. The northern portion of the Licence around the area known as the New river Goldfield is prospective for both hard-rock and potentially alluvial gold deposits.

3.0 Location and Access.

Una Plains Licence EL332008 is located in North East Tasmania, the licence covers 48km^2 commencing approximately 2 kilometres south-east of Ringarooma and extending south for 13 kilometres. Access to the northern portion of the lease is via numerous Crown roads and Forestry Tasmania tracks.

A Government 'C' class road (C423) bisects the Lease along the Una Plains immediately south of Mont Victoria allowing access to the central portion of the Licence. Access to the southern portion is either via Forestry Tasmania tracks off the C423 or by using additional Forestry Tasmania tracks coming up from Dan's Rivulet.

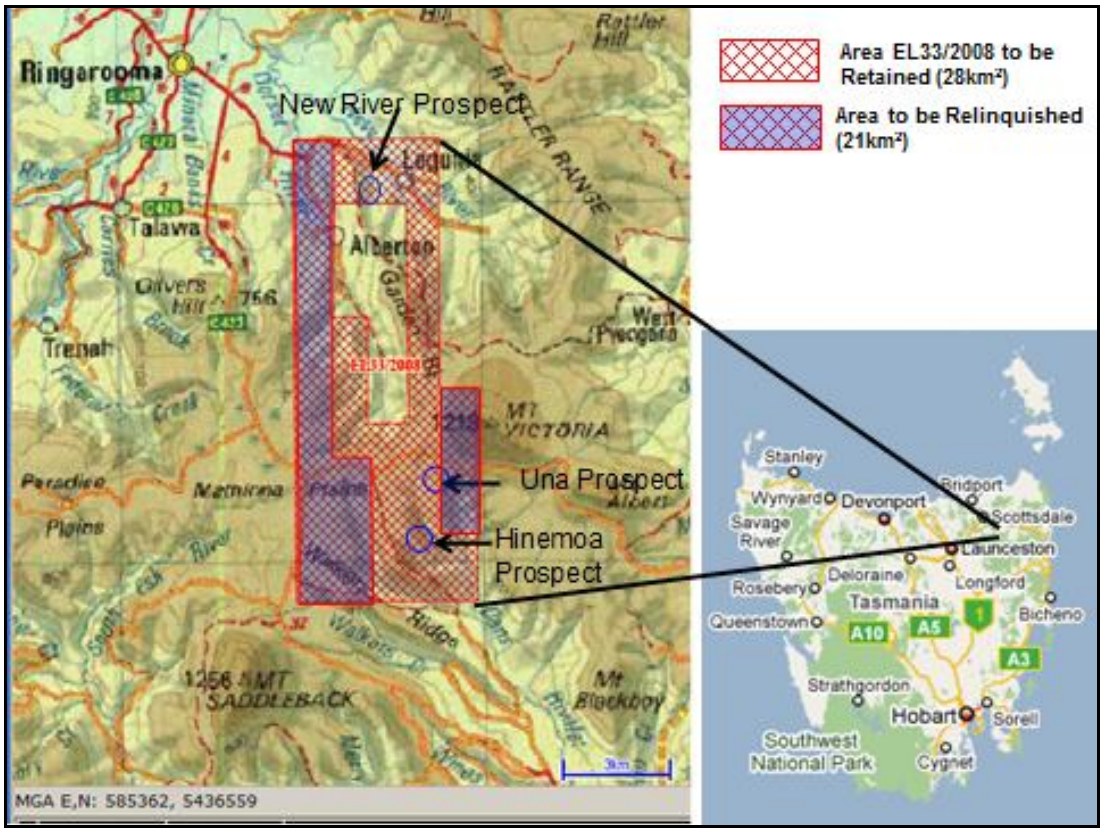

Figure 1: Location of EL33/2008 – Una Plains.

4.0 Regional Geology.

The regional geology of EL 33/2008 has been extremely well 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) and Keele et.al (1994) 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 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, 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.

Small scale mining of narrow but high grade quartz structures have been reported as early as 1890's. The quartz lodes occurs within a 75m wide shear zone, which is over 550m long extending from Hinemoa in the south of the Licence to the Una Workings in the north. Twelvetrees (1904) reports gold grades to 83.5 g/t in surface trenches.

Mapping of the major producers was undertaken in detail on behalf of Sturt Meadows Prospecting Syndicate NL on EL31/76 (Mitchell 1980) during the period 1979-80. Detailed feature mapping and sampling was undertaken over a large area including the workings located on what is now EL33/2008.

During the period 1994-5 EL1/92 covering the area of Dan's Rivulet and extending to within 50 metres of the Hinemoa workings was subject to exploration by Cuttack Mining and Exploration Pty Ltd under a Joint Venture with Goldstream Mining NL. (Anon 1996). Due to surveying errors Cuttack erroneously sampled the Hinemoa No.1 Adit and proceeded to extract a bulk sample of unknown tonnage estimated to be approximately 31 g/t.

EL23/92 covering the Una section of workings (and extending northward to the Alberton Goldfield) was originally granted to Newcrest Mining Limited in 1992. The exploration licence was part of a large tenement holding. Newcrest's target was large-scale stockwork style gold mineralisation.

During 1993 Mancala purchased the EL from Newcrest with a time limited royalty clause.

During 1994-5 EL23/92 was held by Mancala Pty Ltd (Akerman, 1995) the Una and Hinemoa mines were assessed and exploration programmes proposed.

During 1995-6 (Akerman, 1996) the Una and Hinemoa workings were mapped and sampled in detail. An eight hole (UNA001 - UNA008), 208 metre diamond drilling was completed at the Una No.1 Adit workings only.

All of the holes were drilled below the existing workings at the Una No. 1 Adit. The holes were shallow (maximum depth 40.7 metres) and all holes intersected the lode in the expected position. Three holes intersected the lode with abundant visible gold. The results from these three intersections were surprisingly low. UNA 002 intersected 1m @ 13.2 g/t Au, UNA 006 intersected 0.5m @ 19.7 g/t Au and UNA 003 intersected 0.4m @ 4.55 g/t Au. An error with the assay procedure was queried but re-assay of the other half of the core resulted in even lower assay results.

This exploration programme outlined a small resource of 1,000 tonnes at 12-15 g/t Au (non-JORC compliant) on the narrow lode that varied between 0.5 and 1.8-metre width. The assessed grade was calculated from both surface results and drill results.

During 1998 a joint venture agreement was signed between Hercules Resources and Low Impact Diamond Drilling Specialists (LIDDS). Under the terms of the agreement, LIDDS were required to complete a minimum of 800 metres of diamond drilling within EL 23/92 to earn a fifty (50%) per cent share in the exploration licence.

During 1998-9 (Griffith's, 1999) LIDDS exploration concentrated on the Una workings. Three closely spaced angled holes were drilled totalling 391.7 metres under the workings of the Una No.1 lode below the holes previously drilled by Mancala Pty Ltd. The strategy was to significant build on the resource outlined in 1995-96 by Akerman. Unfortunately these holes failed to intersect significant mineralisation.

During 2001 (Denwar, K,. 2001) a small outcropping fault related sulphide lode was tested by diamond drilling at the Una Prospect. The workings present as a small pit, exposed a narrow <5cm wide zone of pyritic sericite altered sediment containing a massive sulphide matrix. The zone reportedly swells rapidly to be of the order of 1m wide at about 1metres depth. A sample of sphalerite rich material was obtained.

A 47.3m deep diamond drill hole was completed by LIDDS using a Longyear Hydracore 28. The hole was collared at 5422550 mN, 567950 mE, and the collar was set-up at an azimuth of 055 degrees and a declination on 49 degrees. The hole failed to intersect any significant mineralisation. The hole was not logged in any detail.

During 2008 – 09 (de Vries, 2009) two Diamond Drill Holes (UDH001 and UDH002) were drilled into a proposed parallel mineralised structure. UDH001 intersected a broad zone of shearing, alteration and anomalous gold. The best interval in UDH001 was from 40.60 metre to 41.00 metres a distance of 0.40 metres grading 0.34 g/t Au (Table 1). The drilling of UDH002, while intersecting altered and veined material failed to generate any significant results.

Table 1. Significant Assay Results – Diamond Drilling 2008 - 2009

HOLE ID	FROM (m)	TO (m)	INTERVAL (m)	AU (g/t)	AG (g/t)	AS (ppm)	COMMENTS
UDH001	40.6	41.6	1.0	0.26	<1.0	1,190	Lode / Shear

The results of both holes indicate the presence of a structural control that is interpreted as being the westerly margin of the controlling structural corridor at the Una Prospect. The bulk of historic production has come from the Una Mine located on the footwall of the structural corridor.

During 20011 – 12 (de Vries 2012), two holes were drilled, for a total of 113.8 metres targeting an area mid-point of the Hinemoa Adit. (Figure 3) HGD-01 intersected a zone of strong quartz veining with minor associated sulphides (arsenopyrite and pyrite) between 23.60 and 30.10 metres down hole. HGD-02 tested the structure a further 10 metres below HGD-01 on the same strike (Figure 4). This hole also successfully intersected several quartz veins showing visible arsenopyrite but also minor pyrite being observed. Results were not available at the end of the reporting period.

6.0 Exploration Completed During the Reporting Period

6.1 Drilling

Assay results were received for both HGD-01 and HGD-02 which were drilled in 2012. Assay results were generally disappointing with only low levels of gold and arsenic recorded and analysis for silver, lead and zinc being below detection.

Table 2. Significant Assay Results – Diamond Drilling 2011 - 2012

HOLE ID	FROM (m)	TO (m)	INTERVAL (m)	AU (g/t)	AG (g/t)	AS (ppm)	COMMENTS
HGD-01	24.00	25.20	1.20	0.78	<1.0	3,700	Quartz veining
	25.75	27.00	1.25	054	<1.0	5,400	Quartz veining
	28.00	30.00	2.00	0.60	<1.0	6,000	Quartz veining
HGD-02	26.20	27.30	1.10	0.24	<1.0	1,500	Quartz veining
	31.10	32.40	1.30	0.72	<1.0	3,400	Quartz veining
	32.45	32.55	0.10	0.54	<1.0	5,400	Quartz veining
	44.00	44.20	0.20	0.65	<1.0	6,500	Quartz veining

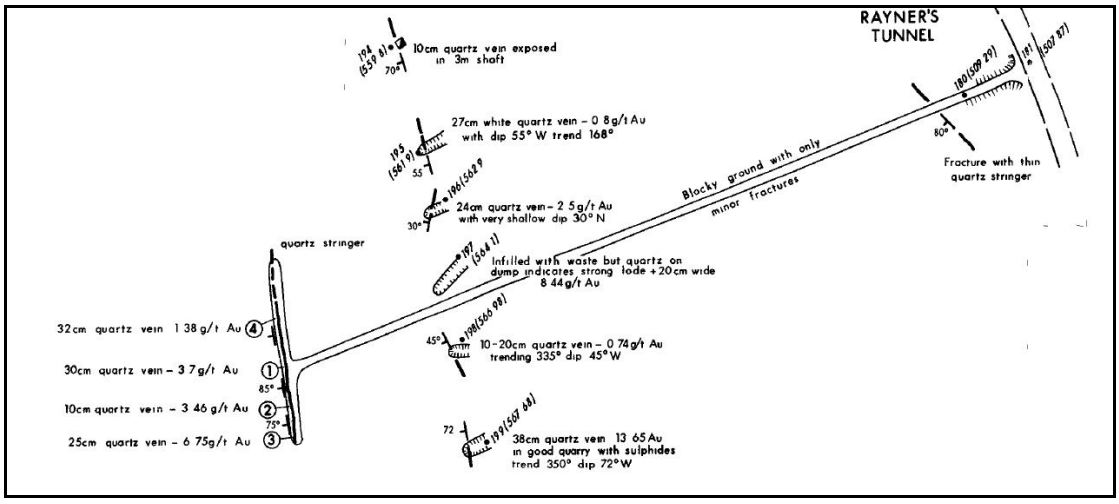

Figure 2. Surface and Underground Sample Locations Raynor's Adit (after Mitchell 1980).

The predominant lithology encountered in the hole consisted of inter-bedded sandstone and slates, with several zones of strongly graphitic slate (black & carbonaceous in appearance in the core) also present. Several late-stage altered

mafic intrusive dykes were intersected predominantly near where the quartz veining and silicification was also intersected. The dyke material was predominantly white to light-green in colour exhibiting sericite alteration along with minor sulphidation.

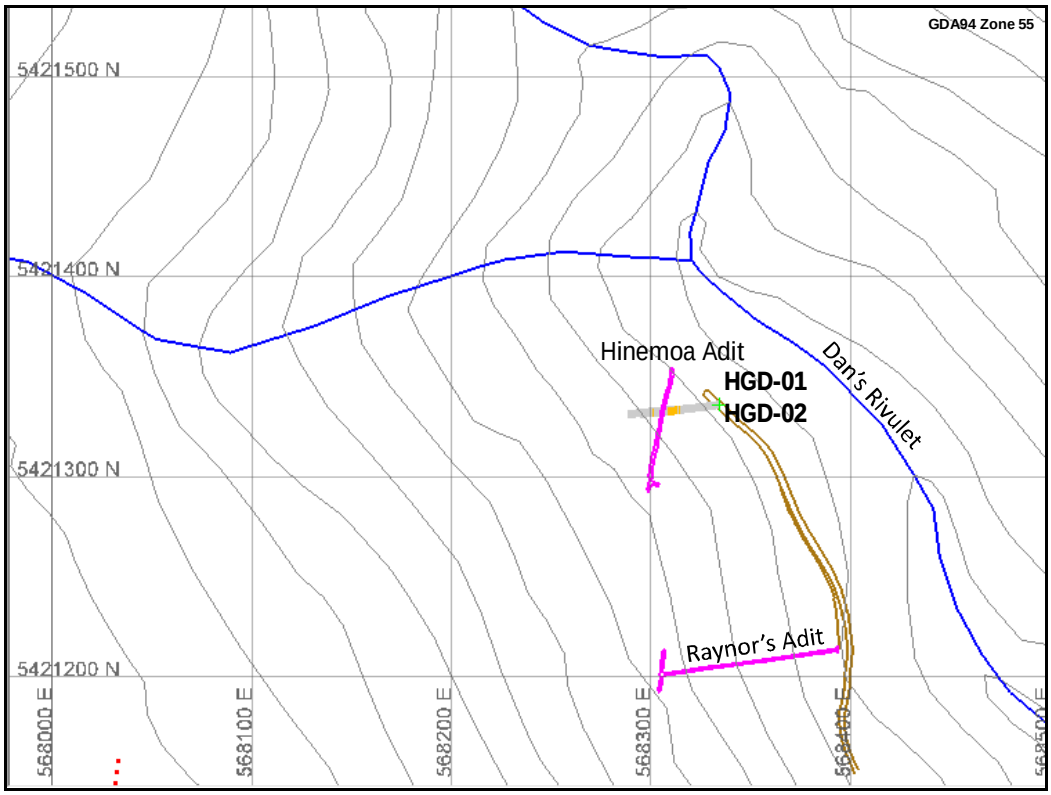

Figure 3. Plan Showing Drill Hole Locations 2012 Drilling Program – Hinemoa Prospect.

Bedding of the sediments was unable to be determined due to the lack of core orientation however the general dip of the core was noted to change significantly down hole a broad open fold was noted in the core at a depth of 42.2 metres with in HGD-01.

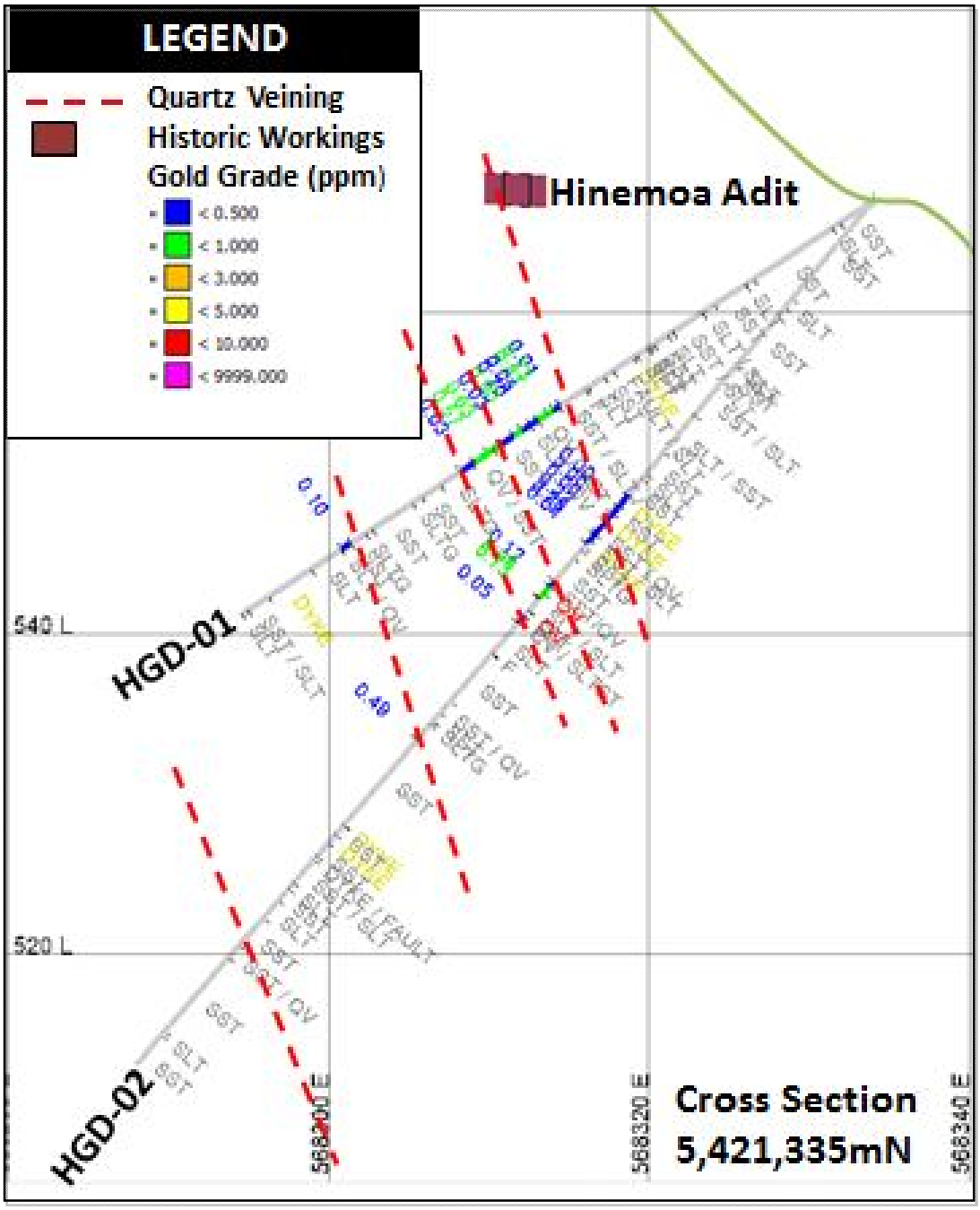

Figure 4. Cross Section showing HGD-01 & HGD-02. Hinemoa Prospect

6.2 Field Work

In March a site visit was made to the New River Goldfields and in particular an inspection was undertaken on the Heathorn Gold Mine. The mine was investigated subsequent to undertaking a further literature search for information and any additional data pertaining to the drilling undertaken in 2002 (Denwer, 2003).

A Work Plan was submitted and approved by MRT to undertake additional drilling at the Hinemoa prospect. Drilling is planned south of the Raynor's adit (Figure 5) to test surface assays results obtained by Mitchell (1980) of 13.65g/t Au. The surface position is to the south of the southern end of strike driving from Raynor's Adit.

At the southern face of the drive an assay of 6.75g/t Au was obtained and may represent the northern edge of a higher grade shoot of mineralisation.The proposed commencement date was set for early July, but unfortunately the rig to be used was unable to be relocated from its position due to the unseasonably wet July – September period. It is hoped that the drilling will be completed before the end of the current calendar year.

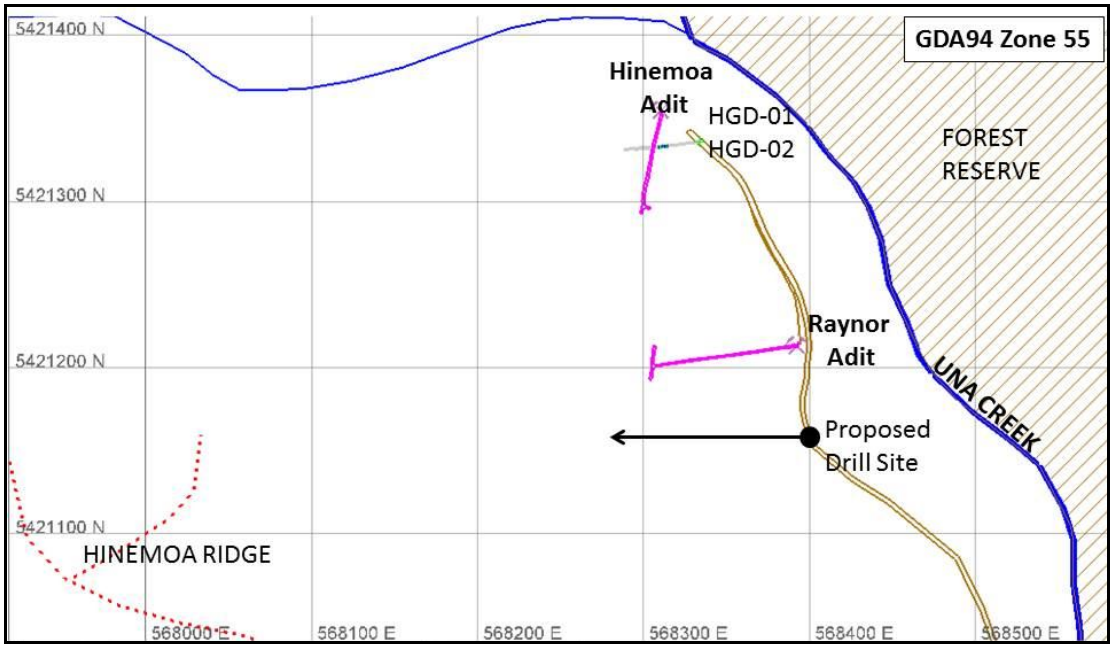

Figure 5. Site Plan of Proposed Drill Location - Hinemoa Prospect

6.3 Literature Review

A significant period of time has been spent on tracking down any more available information on the gold mines located within the EL. A new target has been identified at the New River Goldfield – at the top of the License.

Reference was made to a reef referred to as the Homestead Reef in a report by Loftus Hills (1923). In it he states “It has only been exposed for about 15 feet *(4.5m)* which shows a width of from 4 to 5 feet (*1.2 – 1.5m).* A crushing of 5 tons yielded 5 or 6 dwts. *(7.8 - 9.3ppm)* per ton”.

7.0 Discussion and Conclusions.

Assay results from the drilling of HGD-01 and HGD-02 were in general disappointing but do indicate that the major structure is auriferous.

Attempts to undertake additional drilling at the Raynor Adit had to be postponed when the drilling contractor was unable to demobilised from his current site due to accessibility issues caused by the extremely wet winter. This target will be tested one the rig is able to mobilise to site.

Field inspections are planned of the New River Goldfield in particular the reef known as the Homestead reef.

8.0 Expenditure.

Geoscientific Costs

- Geology **$ 12,600**
- Geochemistry **$1,214**
- Geophysics
- Remote Sensing

Drilling & Gridding Costs

- Gridding
- Drilling

Land Access Costs

Rehabilitation Costs

Feasibility Study Costs

Other Items	**$ 5,501**
Administration Costs	**$ 1,200**
Total Costs	**$ 20,515**

9.0 References

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APPENDICIES

APPENDIX 1

Surface Location (SL1)
H0001 Exploration Licence Data header file
H0002 Version 1
H0003 Generated 15/10/2013
H0004 Reporting period end_date 5/11/2013
H0005 State Tasmania
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H0101 Tenement_holder Geological Educational & Mining Services Pty Ltd
H0102 Project_name Una Plains
H0103 Map_sheet_number_250K K5521; NORTH EAST
H0113 Map_sheet_number_100K 8415: FORRESTER
H0123 Map_sheet_number_25K 5642: VICTORIA
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H0201 End_of_data_acquisiton 15/10/2013
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H0204 Date_of_metadata_update 15/10/2013
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H0303 assay_data_file EL332008_201213_03_dhassay.txt
H0304 rock_description_file EL332008_201213_05_lithology.txt
H0305 lithology_code_file EL332008_201213_06_lithcode.txt
H0400 Drilling_code Contractor
H0401 DD Diamond Bit - Coring Geological Educational & Mining Services 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
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H1001 metres metres metres metres
H1004

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APPENDIX 2

Downhole Geochemistry (DG1)
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H0003 Generated 15/10/2013
H0004 Reporting period end_date 5/11/2013
H0005 State Tasmania
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H0101 Tenement_holder Geological Educational & Mining Services Pty Ltd
H0102 Project_name Una Plains
H0103 Map_sheet_number_250K K5521; NORTH EAST
H0113 Map_sheet_number_100K 8415: FORRESTER
H0123 Map_sheet_number_25K 5642; ALBERTON
H0123 Map_sheet_number_25K 5642: VICTORIA
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H0204 Date_of_metadata_update 15/10/2013
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H0601 R Diamond Drill core "Core, Sample interval"
H0700 Sample_Processing_Code Sample_Processing_Details
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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 Cu Pb Zn Batch
H1001 Au_Rp1 (F650) FA25_AAS AT/OES AT/OES AA-52 AA-52 AA-52 AA-52
H1002 metre metre ppm ppm ppm ppm ppm % % % %
H1003 0.10 0.10 -0.99 0.01 0.01 1 50 0.01 0.01 0.01 0.01

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D	UNA_PLAINS	UNA	UDH001	7.00	7.30	95263	0.13	
	0.13	<1	300					
D	UNA_PLAINS	UNA	UDH001	34.70	40.00	95264	-0.01	
	<0.01	<1	1000					
D	UNA_PLAINS	UNA	UDH001	40.00	40.60	95265	0.04	
	0.04	<1	750					
D	UNA_PLAINS	UNA	UDH001	41.00	41.60	95267	0.14	
	0.14	<1	1550					
D	UNA_PLAINS	UNA	UDH001	44.30	44.80	95268	0.15	
	0.15	<1	900					
D	UNA_PLAINS	UNA	UDH001	44.80	45.30	95269	0.05	
	0.05	<1	350					
D	UNA_PLAINS	UNA	UDH001	40.60	41.00	95266	0.34	
	0.34	<1	950					
D	UNA_PLAINS	UNA	UDH002	25.00	25.50	95270	0.02	
	0.02	<1	250					
D	UNA_PLAINS	UNA	UDH002	25.50	26.00	95271	-0.01	
	<0.01	<1	250					
D	UNA_PLAINS	UNA	UDH002	26.00	26.60	95272	0.08	
	0.08	<1	200					
D	UNA_PLAINS	HINEMOA	HGD-01	23.50	24.00	HG01		
0.01	0.01	<1	0.01	0.01	0.01	0.01	BU12258998	
D	UNA_PLAINS	HINEMOA	HGD-01	24.00	24.50	HG02		
0.73	0.73	<1	0.39	<0.01	0.01	0.01	BU12258998	
D	UNA_PLAINS	HINEMOA	HGD-01	24.50	25.20	HG03		
0.81	0.81	<1	0.35	0.02	0.01	0.01	BU12258998	
D	UNA_PLAINS	HINEMOA	HGD-01	25.20	25.75	HG04		
0.05	0.05	<1	0.04	0.1	0.01	0.01	BU12258998	
D	UNA_PLAINS	HINEMOA	HGD-01	25.75	26.40	HG05		
0.20	0.20	<1	0.08	<0.01	0.01	0.01	BU12258998	
D	UNA_PLAINS	HINEMOA	HGD-01	26.40	27.00	HG06		
0.90	0.90	<1	0.66	<0.01	0.01	0.01	BU12258998	
D	UNA_PLAINS	HINEMOA	HGD-01	27.00	28.00	HG07		
0.03	0.03	<1	0.14	0.01	0.01	0.02	BU12258998	
D	UNA_PLAINS	HINEMOA	HGD-01	28.00	29.00	HG08		
0.63	0.63	<1	0.76	0.01	0.01	0.01	BU12258998	
D	UNA_PLAINS	HINEMOA	HGD-01	29.00	30.00	HG09		
0.57	0.57	<1	0.45	<0.01	0.01	0.01	BU12258998	
D	UNA_PLAINS	HINEMOA	HGD-01	30.00	31.00	HG10		
0.03	0.03	<1	<0.01	0.01	0.01	0.02	BU12258998	
D	UNA_PLAINS	HINEMOA	HGD-01	39.20	39.90	HG11		
0.10	0.10	<1	0.11	<0.01	0.01	0.01	BU12258998	
D	UNA_PLAINS	HINEMOA	HGD-02	24.00	24.90	HG12		
<0.01	<0.01	<1	<0.01	<0.01	0.01	0.01	BU12258998	
D	UNA_PLAINS	HINEMOA	HGD-02	24.90	25.50	HG13		
<0.01	<0.01	<1	<0.01	<0.01	<0.01	0.01	BU12258998	
D	UNA_PLAINS	HINEMOA	HGD-02	25.50	26.20	HG14		
<0.01	<0.01	<1	0.03	<0.01	0.01	0.01	BU12258998	
D	UNA_PLAINS	HINEMOA	HGD-02	26.20	27.00	HG15		
0.22	0.22	<1	0.18	<0.01	<0.01	0.01	BU12258998	
D	UNA_PLAINS	HINEMOA	HGD-02	27.00	27.30	HG16		
0.28	0.28	<1	0.06	<0.01	0.01	0.01	BU12258998	

D	UNA_PLAINS	HINEMOA	HGD-02			27.30	28.00	HG17		
	0.04	0.04	<1		<0.01	<0.01	0.01	0.01	BU12258998	
D	UNA_PLAINS	HINEMOA	HGD-02			31.10	31.50	HG18		
	0.12	0.12	<1		0.1	<0.01	0.01	0.01	BU12258998	
D	UNA_PLAINS	HINEMOA	HGD-02			31.50	32.40	HG19		
	0.98	0.98	<1		0.45	<0.01	0.02	0.03	BU12258998	
D	UNA_PLAINS	HINEMOA	HGD-02			32.45	32.55	HG20		
	0.73	0.73	1		0.54	<0.01	0.01	0.01	BU12258998	
D	UNA_PLAINS	HINEMOA	HGD-02			34.00	34.55	HG21		
	0.05	0.05	<1		0.1	<0.01	0.01	0.01	BU12258998	
D	UNA_PLAINS	HINEMOA	HGD-02			44.00	44.20	HG22		
	0.49	0.49	<1		0.65	<0.01	<0.01	0.01	BU12258998	

EOF

APPENDIX 3

Drilling Results (DS1)

H0001	Exploration Licence Data header file	
H0002	Version 1	
H0003	Generated	15/10/2013
H0004	Reporting period end_date	5/11/2013
H0005	State Tasmania	
H0100	Tenement_name	EL33_2008
H0101	Tenement_holder	Geological Educational & Mining Services Pty Ltd
H0102	Project_name Una Plains	
H0103	Map_sheet_number_250K	K5521; NORTH EAST
H0113	Map_sheet_number_100K	8415: FORRESTER
H0123	Map_sheet_number_25K	5642; ALBERTON
H0123	Map_sheet_number_25K	5642: VICTORIA
H0200	Start_of_data_acquisiton	6/10/2012
H0201	End_of_data_acquisiton	15/10/2013
H0202	Data_format SG1	
H0203	Number_of_data_records	17
H0204	Date_of_metadata_update	15/10/2013
H0300	FileNames	
H0301	downhole_survey_data_file	EL332008_201213_04_dhsurvey.txt
H0502	Vertical_datum AHD	
H0506	Surveying_instrument	Down Hole Distance
H0507	Surveying_company	
H0900	Remarks	Single Shot Eastman Survey Camera

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	UNA_PLAINS	HINEMOA	HGD-01	10	262.5	258	-33	Eastman Singleshot
D	UNA_PLAINS	HINEMOA	HGD-01	47	264.5	260	-33	Eastman Singleshot
D	UNA_PLAINS	HINEMOA	HGD-02	10	262.5	248	-50	Eastman Singleshot
D	UNA_PLAINS	HINEMOA	HGD-02	40	265.5	251	-49	Eastman Singleshot
D	UNA_PLAINS	HINEMOA	HGD-02	70	263.5	249	-49	Eastman Singleshot
D	UNA_PLAINS	UNA	UDH001	47	241	255.5	-45	Eastman Singleshot
D	UNA_PLAINS	UNA	UDH002	35	226	240.5	-48	Eastman Singleshot
D	UNA_PLAINS	UNA	UN001	1	64.5	79	-61	Eastman Singleshot
D	UNA_PLAINS	UNA	UN002	1	64.5	79	-58.2	Eastman Singleshot
D	UNA_PLAINS	UNA	UN003	1	64.5	79	-78	Eastman Singleshot
D	UNA_PLAINS	UNA	UN004	1	64.5	79	-74	Eastman Singleshot
D	UNA_PLAINS	UNA	UN005	1	64.5	79	-64.8	Eastman Singleshot
D	UNA_PLAINS	UNA	UN006	1	64.5	79	-55.2	Eastman Singleshot

D	UNA_PLAINS	UNA	UN007	1	64.5	79	-53	Eastman Singleshot
D	UNA_PLAINS	UNA	UN008	1	64.5	79	-60.8	Eastman Singleshot
D	UNA_PLAINS	UNA	UN008	25	64.5	79	-58.8	Eastman Singleshot

EOF

APPENDIX 4

Lithological Logging (DL1)

H0001	Exploration Licence Data header file	
H0002	Version 1	
H0003	Generated	15/10/2013
H0004	Reporting period end_date	5/11/2013
H0005	State Tasmania	
H0100	Tenement_name	EL33_2008
H0101	Tenement_holder	Geological Educational & Mining Services Pty Ltd
H0102	Project_name Una Plains	
H0103	Map_sheet_number_250K	K5521; NORTH EAST
H0113	Map_sheet_number_100K	8415: FORRESTER
H0123	Map_sheet_number_25K	5642; ALBERTON
H0123	Map_sheet_number_25K	5642: VICTORIA
H0200	Start_of_data_acquisiton	6/10/2012
H0201	End_of_data_acquisiton	15/10/2013
H0202	Data_format SG1	
H0203	Number_of_data_records	217
H0204	Date_of_metadata_update	15/10/2013
H0300	FileNames	
H0301	rock_description_file	EL332008_201213_05_lithology.txt
H0302	lithology_code_file	EL332008_201213_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_id	From	To	Lith_1	MINERAL	Weathering	QTZ ALT_TYP
H1001				metres	metres	species	%	style	
H1004				0.10	0.10				
D	Project	Prospect	Hole-ID	From	To	Lithology		Sulphide	Weathering % Qtz ALT_TYPE
D	UNA_PLAINS	HINEMOA	HGD-01	-	2.50	SST	-	LW	0 -
D	UNA_PLAINS	HINEMOA	HGD-01	2.50	3.10	SLT	-	LW	0 -
D	UNA_PLAINS	HINEMOA	HGD-01	3.10	9.00	SST	-	F	0 feox
D	UNA_PLAINS	HINEMOA	HGD-01	9.00	9.60	SLT/SST		-	F 0 -
D	UNA_PLAINS	HINEMOA	HGD-01	9.60	11.90	SST/SLTST		-	F 0 -
D	UNA_PLAINS	HINEMOA	HGD-01	11.90	12.80	SLT/SST		-	F 0 -
D	UNA_PLAINS	HINEMOA	HGD-01	12.80	15.00	SST/SLT		-	F 0 -
D	UNA_PLAINS	HINEMOA	HGD-01	15.00	15.40	SLT	-	F	0 -
D	UNA_PLAINS	HINEMOA	HGD-01	15.40	16.45	SST	-	F	0 -
D	UNA_PLAINS	HINEMOA	HGD-01	16.45	16.70	SLT	-	F	0 -

D	UNA_PLAINS	HINEMOA	HGD-01	16.70	16.90	SST	-	F	
	0 -								
D	UNA_PLAINS	HINEMOA	HGD-01	16.90	17.75	SLT	-	F	
	0 -								
D	UNA_PLAINS	HINEMOA	HGD-01	17.75	18.00	DYKE	-		
	MW 0 -								
D	UNA_PLAINS	HINEMOA	HGD-01	18.00	19.50	SLT/SST/FLT		-	
	MW 0 -								
D	UNA_PLAINS	HINEMOA	HGD-01	19.50	20.20	SST	-	LW	
	0 -								
D	UNA_PLAINS	HINEMOA	HGD-01	20.20	21.40	SLT	-	LW	
	1 -								
D	UNA_PLAINS	HINEMOA	HGD-01	21.40	21.60	FLT	-	LW	
	1 -								
D	UNA_PLAINS	HINEMOA	HGD-01	21.60	23.60	SST/SLT		-	
	F 1 -								
D	UNA_PLAINS	HINEMOA	HGD-01	23.60	25.20	QV/ST	asp py	F	
	50 qvns								
D	UNA_PLAINS	HINEMOA	HGD-01	25.20	25.75	SLT	-	F	
	1 -								
D	UNA_PLAINS	HINEMOA	HGD-01	25.75	28.50	SST/QV		-	
	F 50 qvns								
D	UNA_PLAINS	HINEMOA	HGD-01	28.50	30.10	QV/SST		asp	
	F 80 qvns								
D	UNA_PLAINS	HINEMOA	HGD-01	30.10	32.50	SLTG	-	F	
	1 -								
D	UNA_PLAINS	HINEMOA	HGD-01	32.50	33.90	SST	-	F	
	0 -								
D	UNA_PLAINS	HINEMOA	HGD-01	33.90	34.60	SLTG	-	F	
	0 -								
D	UNA_PLAINS	HINEMOA	HGD-01	34.60	37.60	SST	-	F	
	0 -								
D	UNA_PLAINS	HINEMOA	HGD-01	37.60	38.10	SLTG	-	F	
	1 -								
D	UNA_PLAINS	HINEMOA	HGD-01	38.10	39.20	SST	-	F	
	0 -								
D	UNA_PLAINS	HINEMOA	HGD-01	39.20	39.90	SLT/QV		py	
asp	F 1 -								
D	UNA_PLAINS	HINEMOA	HGD-01	39.90	42.20	SLT	-	F	
	0 -								
D	UNA_PLAINS	HINEMOA	HGD-01	42.20	45.35	DYKE	asp	F	
	1 -								
D	UNA_PLAINS	HINEMOA	HGD-01	45.35	46.90	SST/SLT		-	
	F 0 -								
D	UNA_PLAINS	HINEMOA	HGD-01	46.90	47.30	SLT	-	F	
	0 -								
D	UNA_PLAINS	HINEMOA	HGD-02	-	8.00	SST	-	LW	
	0 -								
D	UNA_PLAINS	HINEMOA	HGD-02	8.00	8.70	SLT	-	F	
	0 -								
D	UNA_PLAINS	HINEMOA	HGD-02	8.70	13.30	SST	-	F	
	0 -								
D	UNA_PLAINS	HINEMOA	HGD-02	13.30	13.55	SLT	-	F	
	0 -								

D	UNA_PLAINS	HINEMOA	HGD-02	13.55	14.70	SST	-	F	
	0	-							
D	UNA_PLAINS	HINEMOA	HGD-02	14.70	17.50	SST/SLT		-	
	F	0	-						
D	UNA_PLAINS	HINEMOA	HGD-02	17.50	20.50	SLT/SST		-	
	LW	1	qvns						
D	UNA_PLAINS	HINEMOA	HGD-02	20.50	22.20	SST	-	F	
	1	-							
D	UNA_PLAINS	HINEMOA	HGD-02	22.20	22.60	SLT	-	LW	
	0	-							
D	UNA_PLAINS	HINEMOA	HGD-02	22.60	24.00	SST	-	F	
	0	-							
D	UNA_PLAINS	HINEMOA	HGD-02	24.00	24.85	DYKE	-	F	
	0	-							
D	UNA_PLAINS	HINEMOA	HGD-02	24.85	25.50	SST	py asp	F	
	1	qvns							
D	UNA_PLAINS	HINEMOA	HGD-02	25.50	26.35	DYKE	py	F	
	1	sil ser							
D	UNA_PLAINS	HINEMOA	HGD-02	26.35	27.20	SST/QV		asp	
	F	30	sil qvns						
D	UNA_PLAINS	HINEMOA	HGD-02	27.20	27.70	SST/SLT		-	
	F	0	-						
D	UNA_PLAINS	HINEMOA	HGD-02	27.70	28.20	DYKE	asp	F	
	0	ser							
D	UNA_PLAINS	HINEMOA	HGD-02	28.20	28.50	SST	-	F	
	0	-							
D	UNA_PLAINS	HINEMOA	HGD-02	28.50	29.20	SLT/SLTG		-	
	F	0	-						
D	UNA_PLAINS	HINEMOA	HGD-02	29.20	31.10	SST	-	F	
	0	-							
D	UNA_PLAINS	HINEMOA	HGD-02	31.10	31.50	SST/QV		-	
	F	0	-						
D	UNA_PLAINS	HINEMOA	HGD-02	31.50	32.10	QV	asp sph	F	
	100	sil qvns							
D	UNA_PLAINS	HINEMOA	HGD-02	32.10	33.50	SLT	-	F	
	0	-							
D	UNA_PLAINS	HINEMOA	HGD-02	33.50	33.56	QV	sph asp	F	
	100	qvns							
D	UNA_PLAINS	HINEMOA	HGD-02	33.56	34.00	SLT	-	F	
	0	-							
D	UNA_PLAINS	HINEMOA	HGD-02	34.00	34.50	QV/SLT		sph	
asp	F	80	qvns						
D	UNA_PLAINS	HINEMOA	HGD-02	34.50	37.00	SLT	-	F	
	0	-							
D	UNA_PLAINS	HINEMOA	HGD-02	37.00	37.05	FLT	-	F	
	0	-							
D	UNA_PLAINS	HINEMOA	HGD-02	37.05	41.00	SST	-	F	
	0	-							
D	UNA_PLAINS	HINEMOA	HGD-02	41.00	42.00	SST/QV		-	
	F	20	qvns						
D	UNA_PLAINS	HINEMOA	HGD-02	42.00	42.70	SST	-	F	
	0	-							
D	UNA_PLAINS	HINEMOA	HGD-02	42.70	42.95	SLT	-	F	
	0	-							

D	UNA_PLAINS	HINEMOA	HGD-02		42.95	44.00	SST	-	F	0
-										
D	UNA_PLAINS	HINEMOA	HGD-02		44.00	44.50	SST/QV		asp	sph
F	20	sil qvns								
D	UNA_PLAINS	HINEMOA	HGD-02		44.50	51.25	DYKE	-	F	0
-										
D	UNA_PLAINS	HINEMOA	HGD-02		51.25	52.00	SST	-	F	0
-										
D	UNA_PLAINS	HINEMOA	HGD-02		52.00	52.70	DYKE	-	F	0
-										
D	UNA_PLAINS	HINEMOA	HGD-02		52.70	53.80	SST	-	F	0
-										
D	UNA_PLAINS	HINEMOA	HGD-02		53.80	54.10	DYKE/FLT		-	F
0	-									
D	UNA_PLAINS	HINEMOA	HGD-02		54.10	56.00	SST/SLT		-	F
0	-									
D	UNA_PLAINS	HINEMOA	HGD-02		56.00	56.50	SLT	-	F	0
-										
D	UNA_PLAINS	HINEMOA	HGD-02		56.50	57.45	SST	-	F	0
-										
D	UNA_PLAINS	HINEMOA	HGD-02		57.45	58.90	SLT	-	F	0
-										
D	UNA_PLAINS	HINEMOA	HGD-02		58.90	61.20	SST	-	F	0
-										
D	UNA_PLAINS	HINEMOA	HGD-02		61.20	62.20	SST/QV		py	F
10	qvns									
D	UNA_PLAINS	HINEMOA	HGD-02		62.20	68.30	SST/SLT		-	F
0	-									
D	UNA_PLAINS	HINEMOA	HGD-02		68.30	68.60	SLT	-	F	0
-										
D	UNA_PLAINS	HINEMOA	HGD-02		68.60	71.70	SST	-	F	0
-										
D	UNA_PLAINS	UNA	UDH001	-	4.10	SLTSH	-	LW	0	-
D	UNA_PLAINS	UNA	UDH001	4.10	4.30	SLTSH	-	MW	0	feox
D	UNA_PLAINS	UNA	UDH001	4.30	5.20	SLTSH	-	LW	0	-
D	UNA_PLAINS	UNA	UDH001	5.20	7.30	SLT/QV		py asp	LW	40
"sil, feox, ser"										
D	UNA_PLAINS	UNA	UDH001	7.30	10.60	SH	-	F	0	-
D	UNA_PLAINS	UNA	UDH001	10.60	16.50	SLTSH	-	F	0	-
D	UNA_PLAINS	UNA	UDH001	16.50	17.30	SLTST/SST		-	F	0
-										
D	UNA_PLAINS	UNA	UDH001	17.30	18.80	SLTSH	-	F	0	-
D	UNA_PLAINS	UNA	UDH001	18.80	20.00	SST	-	F	0	-
D	UNA_PLAINS	UNA	UDH001	20.00	21.00	SST/QV		-	F	1
-										
D	UNA_PLAINS	UNA	UDH001	21.00	21.70	SST	-	F	0	-

D	UNA_PLAINS feox	UNA	UDH001	21.70	22.80	SST	-	F	0
D	UNA_PLAINS 1 feox	UNA	UDH001	22.80	23.10	SST/QV		py	F
D	UNA_PLAINS 1 -	UNA	UDH001	23.10	24.90	SST/QV		-	F
D	UNA_PLAINS 0 -	UNA	UDH001	24.90	27.30	SLTST/SH/SST		-	F
D	UNA_PLAINS -	UNA	UDH001	27.30	32.80	SST	-	F	0
D	UNA_PLAINS -	UNA	UDH001	32.80	34.70	SLTSH	-	F	0
D	UNA_PLAINS 1 feox	UNA	UDH001	34.70	35.40	SST/QV		asp py	LW
D	UNA_PLAINS -	UNA	UDH001	35.40	35.60	SLTSH	-	F	0
D	UNA_PLAINS 1 -	UNA	UDH001	35.60	39.40	SST/SLT		-	F
D	UNA_PLAINS 20 "sil, ser"	UNA	UDH001	39.40	42.70	SST/QV		py asp	F
D	UNA_PLAINS 0 -	UNA	UDH001	42.70	43.40	SH/SLT		-	F
D	UNA_PLAINS 15 sil	UNA	UDH001	43.40	44.70	SLTST/QV		asp	F
D	UNA_PLAINS -	UNA	UDH001	44.70	45.60	SLTSH	-	F	1
D	UNA_PLAINS 1 -	UNA	UDH001	45.80	45.90	SST/QV		-	F
D	UNA_PLAINS -	UNA	UDH001	45.90	47.30	SST	-	F	0
D	UNA_PLAINS -	UNA	UDH001	45.60	45.80	SST	-	F	0
D	UNA_PLAINS -	UNA	UDH002	-	1.80	SH	-	MW	0
D	UNA_PLAINS -	UNA	UDH002	1.80	6.50	SST	-	MW	0
D	UNA_PLAINS 1 -	UNA	UDH002	6.50	7.10	SST/QV		-	LW
D	UNA_PLAINS -	UNA	UDH002	7.10	8.30	SST/SL	-	MW	0
D	UNA_PLAINS -	UNA	UDH002	8.30	9.80	SST	-	LW	1
D	UNA_PLAINS 1 -	UNA	UDH002	9.80	10.00	SST/QV		-	LW
D	UNA_PLAINS -	UNA	UDH002	10.00	20.00	SST	-	F	0
D	UNA_PLAINS -	UNA	UDH002	20.00	20.60	SLTSH	-	F	0
D	UNA_PLAINS -	UNA	UDH002	20.60	23.50	SST/SL	-	F	1
D	UNA_PLAINS -	UNA	UDH002	23.50	24.50	SLTSH	-	F	1
D	UNA_PLAINS 1 "sil, epi"	UNA	UDH002	24.50	26.60	SST/QV		py asp	F

D	UNA_PLAINS	UNA	UDH002		26.60	28.10	SST	-	F	1
D	UNA_PLAINS	UNA	UDH002		28.10	28.80	SLTSH	-	F	0
D	UNA_PLAINS	UNA	UDH002		28.80	29.30	SST	-	F	0
D	UNA_PLAINS	UNA	UDH002		29.30	30.20	SLTSH	-	F	0
D	UNA_PLAINS	UNA	UDH002		30.20	35.80	SST	-	F	1
D	UNA_PLAINS	UNA	UN001	-	0.50	NULL	-	LW	-	-
D	UNA_PLAINS	UNA	UN001	0.50	2.30	SST	-	LW	-	-
D	UNA_PLAINS	UNA	UN001	2.30	2.50	SLTST	-	LW	-	-
D	UNA_PLAINS	UNA	UN001	2.50	6.20	SLTST/SST	-	LW	-	-
D	UNA_PLAINS	UNA	UN001	6.20	8.50	SST	-	LW	-	-
D	UNA_PLAINS	UNA	UN001	8.50	10.00	SLTST	asp	LW	-	-
D	UNA_PLAINS	UNA	UN001	10.00	10.60	SST	-	F	tr	sil
D	UNA_PLAINS	UNA	UN001	10.60	12.00	SLTST	-	F	-	-
D	UNA_PLAINS	UNA	UN001	12.00	12.50	QV	asp py vg(?)		F	100 sil
D	UNA_PLAINS	UNA	UN001	12.50	14.30	SST/SLTST		asp py	F	tr
D	UNA_PLAINS	UNA	UN001	14.30	18.20	SST	-	F	tr	-
D	UNA_PLAINS	UNA	UN002	-	0.50	NULL				
D	UNA_PLAINS	UNA	UN002	0.50	5.90	SST				
D	UNA_PLAINS	UNA	UN002	5.90	6.20	NULL				
D	UNA_PLAINS	UNA	UN002	6.20	10.70	SST				
D	UNA_PLAINS	UNA	UN002	10.70	11.00	SST				
D	UNA_PLAINS	UNA	UN002	11.00	12.20	SST				
D	UNA_PLAINS	UNA	UN002	12.20	13.10	NULL				
D	UNA_PLAINS	UNA	UN002	13.10	14.40	LODE				
D	UNA_PLAINS	UNA	UN002	14.40	16.20	SST/SLTST				
D	UNA_PLAINS	UNA	UN002	16.20	16.70	NULL				
D	UNA_PLAINS	UNA	UN002	16.70	18.10	SST/SLTST				

D	UNA_PLAINS	UNA	UN002	18.10	19.30	SLTST/SST	
D	UNA_PLAINS	UNA	UN002	19.30	21.20	SST/SLTST	
D	UNA_PLAINS	UNA	UN003	-	0.30	NULL	
D	UNA_PLAINS	UNA	UN003	0.30	4.90	SST	
D	UNA_PLAINS	UNA	UN003	4.90	9.50	SST/SLTST	
D	UNA_PLAINS	UNA	UN003	9.50	10.40	SST	
D	UNA_PLAINS	UNA	UN003	10.40	11.90	SST/SLTST	
D	UNA_PLAINS	UNA	UN003	11.90	12.40	SLTST	
D	UNA_PLAINS	UNA	UN003	12.40	16.60	SST/SLTST	
D	UNA_PLAINS	UNA	UN003	16.60	20.20	SLTST/SST	
D	UNA_PLAINS	UNA	UN003	20.20	21.60	LODE	
D	UNA_PLAINS	UNA	UN003	21.60	22.10	SST	
D	UNA_PLAINS	UNA	UN003	22.10	25.70	SLTST/SST	
D	UNA_PLAINS	UNA	UN004	-	0.20	NULL	
D	UNA_PLAINS	UNA	UN004	0.20	8.70	SST	
D	UNA_PLAINS	UNA	UN004	8.70	16.20	SST/SLTST	
D	UNA_PLAINS	UNA	UN004	16.20	18.00	SLTST	
D	UNA_PLAINS	UNA	UN004	18.00	19.20	LODE	
D	UNA_PLAINS	UNA	UN004	19.20	21.30	SLTST/SST	
D	UNA_PLAINS	UNA	UN004	21.30	24.30	SLTST/SST	
D	UNA_PLAINS	UNA	UN005	-	0.20	NULL	
D	UNA_PLAINS	UNA	UN005	0.20	3.30	SST	sil
D	UNA_PLAINS	UNA	UN005	3.30	4.90	SST	sil qvns
D	UNA_PLAINS	UNA	UN005	4.90	5.60	SST	sil
D	UNA_PLAINS	UNA	UN005	5.60	6.20	SST	sil ser
D	UNA_PLAINS	UNA	UN005	6.20	10.70	SST	sil
D	UNA_PLAINS	UNA	UN005	10.70	12.20	SST/SLTST	

D	UNA_PLAINS	UNA	UN005	12.20	12.80	SLTST	
D	UNA_PLAINS	UNA	UN005	12.80	17.10	SST/SLTST	
D	UNA_PLAINS	UNA	UN005	17.10	17.70	SLTST	
D	UNA_PLAINS	UNA	UN005	17.70	18.30	SST	
D	UNA_PLAINS	UNA	UN005	18.30	19.40	LODE	sil qvns bx
D	UNA_PLAINS	UNA	UN005	19.40	21.20	SST/SLTST	
D	UNA_PLAINS	UNA	UN005	21.20	22.90	SST	
D	UNA_PLAINS	UNA	UN005	22.90	25.70	SST/SLTST	
D	UNA_PLAINS	UNA	UN006	-	0.70	NULL	
D	UNA_PLAINS	UNA	UN006	0.70	4.00	SST	
D	UNA_PLAINS	UNA	UN006	4.00	5.30	SLTST/SST	
D	UNA_PLAINS	UNA	UN006	5.30	6.60	SST	
D	UNA_PLAINS	UNA	UN006	6.60	8.30	SLTST/SST	
D	UNA_PLAINS	UNA	UN006	8.30	11.00	SST	
D	UNA_PLAINS	UNA	UN006	11.00	15.00	SLTST/SST	
D	UNA_PLAINS	UNA	UN006	15.00	17.10	SST	
D	UNA_PLAINS	UNA	UN006	17.10	17.70	SST	
D	UNA_PLAINS	UNA	UN006	17.70	19.00	LODE	asp py vg sil qvns bx
D	UNA_PLAINS	UNA	UN006	19.00	20.30	SLTST	
D	UNA_PLAINS	UNA	UN006	20.30	21.60	SST/SLTST	
D	UNA_PLAINS	UNA	UN006	21.60	24.20	SST/SLTST	
D	UNA_PLAINS	UNA	UN007	-	1.20	NULL	
D	UNA_PLAINS	UNA	UN007	1.20	4.70	SST/SLTST	
D	UNA_PLAINS	UNA	UN007	4.70	6.30	SLTST	
D	UNA_PLAINS	UNA	UN007	6.30	6.70	SLTST/SST	
D	UNA_PLAINS	UNA	UN007	6.70	11.90	SLTST/SST	
D	UNA_PLAINS	UNA	UN007	11.90	15.80	SLTST	

D	UNA_PLAINS	UNA	UN007	15.80	16.90	SLTST				
D	UNA_PLAINS	UNA	UN007	16.90	18.10	SST				
D	UNA_PLAINS	UNA	UN007	18.10	19.20	LODE				
D	UNA_PLAINS	UNA	UN007	19.20	23.20	SLTST/SST	py asp vg			
D	UNA_PLAINS	UNA	UN007	23.20	25.20	SST				
D	UNA_PLAINS	UNA	UN007	25.20	27.20	SLTST/SST				
D	UNA_PLAINS	UNA	UN008	1.90	10.00	SLTST	-	-	0	-
D	UNA_PLAINS	UNA	UN008	10.00	14.70	SST/SLTST	-	-	0	-
D	UNA_PLAINS	UNA	UN008	14.70	20.90	SST/SLTST	-	-	0	-
D	UNA_PLAINS	UNA	UN008	20.90	22.70	SST	py asp	-	0	-
D	UNA_PLAINS	UNA	UN008	22.70	25.00	SST/SLTST	-	-	20	sil
D	UNA_PLAINS	UNA	UN008	25.00	29.60	SST/SLTST	-	-	40	sil
D	UNA_PLAINS	UNA	UN008	29.60	30.00	SST	py asp	-	5	-
D	UNA_PLAINS	UNA	UN008	30.00	32.70	SST/SLTST	-	-	0	-
D	UNA_PLAINS	UNA	UN008	32.70	33.40	LODE	asp py	-	80	"sil, ser"
D	UNA_PLAINS	UNA	UN008	33.40	36.70	SST/SLTST	asp py	-	1	-
D	UNA_PLAINS	UNA	UN008	36.70	40.70	SST	-	-	0	-

EOF

APPENDIX 5

Lithological Logging (DL1)

H0001	Exploration Licence Data header file	
H0002	Version 1	
H0003	Generated	15/10/2013
H0004	Reporting period end_date	5/11/2013
H0005	State Tasmania	
H0100	Tenement_name	EL33_2008
H0101	Tenement_holder	Geological Educational & Mining Services Pty Ltd
H0102	Project_name Una Plains	
H0113	Map_sheet_number_250K	K5521; NORTH EAST
H0123	Map_sheet_number_100K	8415: FORRESTER
H0133	Map_sheet_number_25K	5642; ALBERTON
H0133	Map_sheet_number_25K	5642: VICTORIA
H0200	Start_of_data_acquisiton	6/10/2012
H0201	End_of_data_acquisiton	15/10/2013
H0202	Data_format SG1	
H0203	Number_of_data_records	44
H0204	Date_of_metadata_update	15/10/2012
H0300	FileNames	
H0301	lithology_code_file	EL332008_201213_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	SLT	Slate
D	SLTG	Slate - graphitic (black)
D	DYKE	Mafic Dyke - late stage intrusive
D		
D		WEATHERING
D	CODE	WEATHERING
D	F	FRESH
D	EW	EXTRELEMY 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 asp Arsenopyrite
D
D ALTERATION
D CODE ALTERATION
D 0 No visible alteration mineralis
D 1 "Minor bleaching, silica, carbonate and pyrite"
D 2 "Moderare 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 qvns quartz stringers and veinlets
D feox iron oxide staining (after sulphide)
EOF