

EL33/2008 – UNA PLAINS

TASMANIA

ANNUAL TECHNICAL REPORT

5TH NOVEMBER 2011 – 4TH NOVEMBER 2012

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REPORT No: EL332008_ATR_OCT_12

REPORT DATE: 05/10/2012

LICENSEE: **Geological, Educational & Mining Services Pty Ltd**

ABN: 31 066 519 551

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VERIFICATION LISTING

Exploration Work	File_name	Type	Format	Description
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Office Studies

Report	EL332008_201011_01_report	pdf		Report Body
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Drilling

Drilling_All	EL332008_201112_02_dhlocation	txt		Drill hole collar locations
Drilling_All	EL332008_201112_03_dhassay	txt		Drill hole assay data
Drilling_All	EL332008_201112_04_dhsurvey	txt		Down hole survey
Drilling_All	EL332008_201112_05_lithology	txt		Drill hole lithology
Drilling_All	EL332008_201112_06_lithcode	txt		Lithology Codes
Report	EL332008_201112_02_appendix1	pdf		Drill hole collar locations
Report	EL332008_201112_03_appendix2	pdf		Drill hole assay data
Report	EL332008_201112_04_appendix3	pdf		Down hole survey
Report	EL332008_201112_05_appendix4	pdf		Drill hole lithology
Report	EL332008_201112_06_appendix5	pdf		Lithology Codes

TENEMENT DETAILS

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

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ABSTRACT

Exploration Licence 33/2008 comprises 48 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).

During the period 2011 – 2012 work has been undertaken on the licence including drilling of two diamond drill at the Hinemoa Prospect, literature review of the Examiner newspaper and several field visits.

After severe weather hampered access to the site during the previous reporting period and the start of the current, access was finally achieved during the year and two (2) diamond drill holes for a total of 113 metres were drilled beneath the Hinemoa workings to test the continuity of mineralisation encountered within the existing adit.

Assays results were not available at the end of the reporting period. Track rehabilitation work on the access to the Hinemoa drill site at the start of the year also allowed the portal of the Raynor's adit to be re-discovered.

Field exploration was concentrated around the Hinemoa mine workings located at the southern end of the licence area. Two field excursions were undertaken during the period in an attempt gain a geochemical cross section across the strike of the mineralisation in the area of the Raynor's Adit. Unfortunately due to extremely heavy regrowth of the undergrowth as a result of the previous clear-felling access through the scrub was impossible and the program was terminated.

A field transit were also attempted to examine the country between the Una and Hinemoa mines to search for the presence of outcropping gossanous / sulphidic lode supposedly exposed in the cliff along the path of the creek.

Time was spent in examination of the "Launceston Examiner" newspaper specifically between the periods 1900 through to 1930's determine if additional information could be discovered about any of the mines existing within the licence. Several additional

articles directly related to the development of Una, Hineoma and Raynor's workings were located.

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
Stratigraphic Name:	Mathinna Supergroup.
Geological province name:	Lachlan Fold Belt.
Geological age:	Devonian

1.0 Introduction.

Exploration Licence 33/2008 comprises 48 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.

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.

Una

A review of the "Launceston Examiner between the period 1900 through to the late 1930's revealed that the Una area was examined during the 1930's by several parties. Although only limited additional information was found.

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. The southern Adits (Raynor's) was re-discovered during track rehabilitation work. Two holes initially targeted beneath the Hinemoa workings is designed to test the continuity, strength and orientation of mineralisation previously

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 is prospective for both hard-rock and potentially alluvial gold deposits.

The focus has not yet been directed to the northern potential of the Licence however literature review work will commence in the near future to aid in developing exploration targets.

3.0 Location and Access.

Una Plains Licence EL332008 is located in North East Tasmania, the licence covers 48km² 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.

To gain access to the Hinemoa Prospect it is necessary to cross Dan's Rivulet in two locations, unfortunately due to the heavy rainfall experienced during 2010 -11 it had been extremely difficult to gain safe access to the site due to severe damage to creek crossings and to the access track itself.

Rehabilitation work was again required on both the second creek crossing and the section of track leading to the Hinemoa prospect itself.

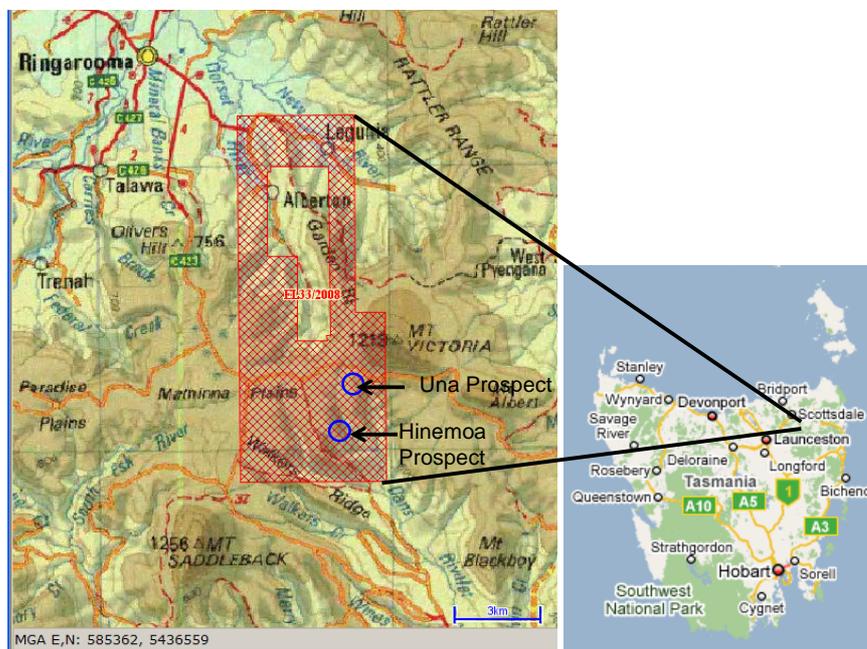


Figure 1: Location of EL33/2008 – Una Plains.

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 significantly 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.

6.0 Exploration Completed During the Reporting Period

6.1 Drilling

During the December 2011, a further attempt was made to commence drilling at the Hinemoa prospect. A drilling company (LIDDS Pty Ltd) were engaged to undertake the drilling, however when the rig was mobilised to the area it was again found that the wet weather had severely damaged the access track across the second crossing of Dan's Rivulet as well as causing deep rutting of sections of the track. The rig was finally mobilised and set up on site in January and placed on standby until weather improved sufficiently to commence drilling.

After the rig had been mobilised to site it was again unable to commence drilling, (incurring standby charges of 14 days) due to further remedial work being required on the access track; whilst a contractor was again brought in to undertake rehabilitation of the track and crossing. During the track rehabilitation works the portal of the Raynor's adit which had been previously buried by a landslip (caused during the clear-felling operations by Forestry Tasmania) was re-discovered and made accessible. This adit had previously been investigated by Mitchell (1980) who had taken several samples of the lode all proving to be mineralised (Figure 2).

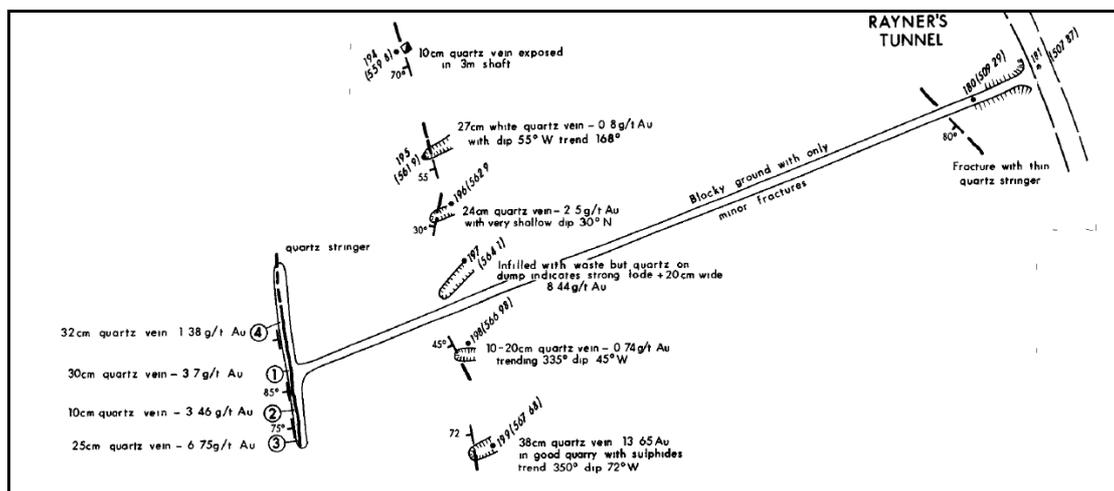


Figure 2. Surface and Underground Sample Locations Raynor's Adit (after Mitchell 1980).

Two holes were drilled, for a total of 113.8 metres targeting an area mid-point of the Hinemoa Adit. (Figure 3) HGD-01 was designed to test 10 - 15 metres below the adit level and was successful in intersecting a zone of strong quartz veining with minor associated sulphides (arsenopyrite and pyrite) between 23.60 and 30.10 metres down hole. HGD-02 was designed to test 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 a significant amount of ancillary sulphides tentatively recorded as sphalerite (ZnS) with only minor pyrite being observed.

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.

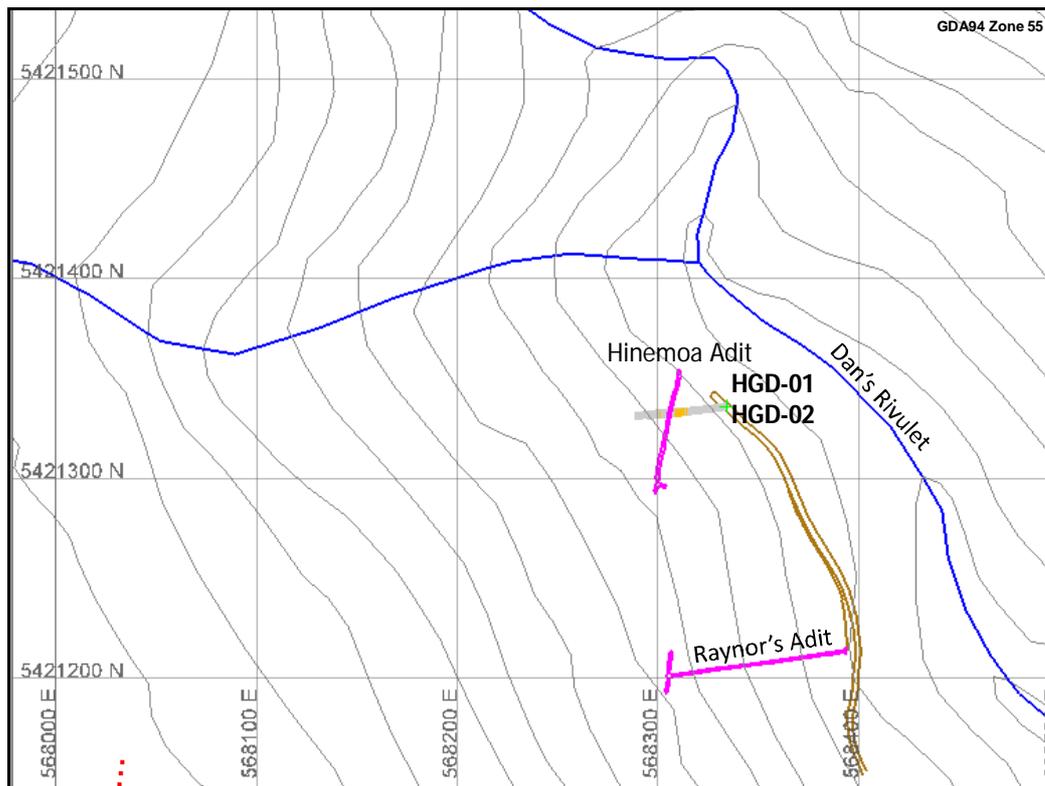


Figure 3. Plan Showing Drill Hole Locations 2012 Drilling Program – Hinemoa Prospect.

6.2 Field Work

Field exploration was concentrated around the Hinemoa mine workings located at the southern end of the licence area.

The first occurred in March and consisted of 3 days undertaken to log and mark-up the core for assaying. Inspection of the rehabilitation work undertaken on the track and the re-opened Raynor's adit.

The second field visit in April was undertaken over 5 days. Amongst work undertaken was the marking up of the drill core for sampling. Site inspections of the drill hole collars was undertaken and the collars coordinates recorded using a hand-held **Megallan Explorist XL** GPS. Due to the vegetation and steep valley slopes an accuracy of only +/-10 metres was able to be achieved.

A tape and compass survey from the Hinemoa adit portal to the drill collars and terminating at Raynor's Adit was completed in order to establish a more accurate survey of the prospect.

An attempt was made to establish a geochemical traverse across the surface strike of the mineralisation in the area of the Raynor's Adit. Unfortunately due to extremely heavy regrowth of the undergrowth as a result of the previous clear-felling, access through the scrub was impossible and none of the previous pits and surface workings was able to be found. The program was terminated.

A field transit was also attempted to examine the country between the Una and Hinemoa mines to search for the presence of outcropping gossanous / sulphidic lode supposedly exposed in the cliff along the path of the creek (pers. comm. L Stebbing). Access was attempted from the Hinemoa (lower) area but the precipitous nature of the country made access impossible after traversing several hundred metres up stream.

6.3 Literature Review

Several days were spent searching through back issues of the "Launceston Examiner" in an attempt to track down any additional information pertaining to either the Hinemoa or Una areas. Two clusters of information were identified the first in 1903 -1904 including a report by Government Geologist of Mr. W. H. Twelvetrees specifically on the Mt Victoria South Field, and the second cluster of activity reported occurring between 1933 – 1934.

Relevant information is reprinted as follows;

Examiner (Launceston)

Wednesday 29 April 1903

NORTH MOUNT VICTORIA GOLD FIELDS.

The presence of a surveyor on the field marking off gold leases is decidedly a healthy sign; and although there have not been many taken up there is a probability of an increase shortly. Mr. Surveyor Smith is now engaged on the Hinemoa property, where Mr. O'Brien (writes our Alberton correspondent) is starting active work, he having been successful in getting capital for the purpose. He richly deserves the success with which his efforts promise to be crowned. This property is south of the Una, and the latest advices state that the reef is a wide one and showing gold. The time given to a party having an option over the Una expires during the coming month, and there are rumours of work being started shortly.

We had a good downpour of rain on Saturday and Sunday.

Examiner (Launceston)

Wednesday 13 May 1903

SOUTH MOUNT VICTORIA - GENERAL REVIVAL OF THE GOLD FIELDS.

(From a Correspondent.)

A general revival in mining has taken place in this long-neglected district. Work has been started on the Hinemoa Company's property, which comprises three 10-acre

sections, recently surveyed. A tunnel is being driven on the course of the lode discovered by Mr. Ben Soley with encouraging results.

The Una sections are under offer to an English syndicate, and it is hoped that when the final business is settled the syndicate will start work without unnecessary delay, as they will have an exceptionally good property to commence operations on, the reef discovered by Mr. B. Fiddes some three months ago, being pronounced by those who have seen it as one of the best surface shows in Tasmania.

Mr. Peter Counsel has secured a section of five acres between the north and south Una sections, and on which excellent prospects have been obtained. Those who are in the know say that Mr. Counsel's five acres are the gem of the district, and from prospects seen the writer is inclined to fall in with the popular belief.

The Laranda is being again worked with encouraging results, and overtures have been recently made to the proprietors for this very valuable property.

As there has been revenue paid into the State Treasury from this district, amounting to somewhat over £300, since Christmas, I think that it would not be out of place if the Hon. the Minister of Lands would see his way clear to have the road leading to South Mount Victoria put in passable order.

Examiner (Launceston)

Thursday 26 November 1903

MANAGERS' REPORTS

Hinemoa, South Mount Victoria, Nov. 21 - Since last report have laid tramway along level, and built another quartz paddock. Drive extended to 167ft.; 5ft. of stone in face.

Examiner (Launceston)

Monday 21 December 1903

MANAGERS' REPORTS

Hinemoa, South Mount Victoria, Dec. 14 - Extended drive on the course of the lode to 177ft.; reef 6ft. wide.

Examiner (Launceston)

Tuesday 5 January 1904

NORTH MOUNT VICTORIA GOLD FIELDS.

Our Alberton correspondent writes:

A bulk sample of stone from the face of the drive at the Hinemona gold mine is being taken out, and will be sent to one of the schools of mines on the mainland for assay. The width of the stone is 6ft., and the drive is now in 180ft.

Examiner (Launceston)

Monday 18 January 1904

MANAGERS' REPORTS

Hinemoa, South Mount Victoria, Jan. 11- Drive extended to 185ft. on course of reef, which has pinched to 2ft. 6in, of highly - mineralised stone. Footwall well defined, hanging wall slightly broken. Am of the opinion that the reef we are now driving on is not the one sunk upon higher up the hill, and that the vein of stone met with at 120ft. in the hanging wall is the exposed reef. The reef we are at present driving on seems to be going straight through the hill, as there is an outcrop on the top of the hill in the same line with reef and tunnel month.

Examiner (Launceston)

Wednesday 20 January 1904

MOUNT VICTORIA GOLD FIELDS.

Hinemoa - Driving on stone; prospects satisfactory; rumours of amalgamation with Una property.

Examiner (Launceston)

Tuesday 3 March 1904

MOUNT VICTORIA GOLD FIELDS.

Our Alberton correspondent reports: -

At the Hinemoa work is being pushed on, and reports to hand are satisfactory.

Examiner (Launceston), Tas – Tuesday 3 May 1904

NORTH MOUNT VICTORIA GOLD FIELDS.

Our Alberton correspondent, writes:

The amalgamation of the Una and Hinemoa properties, which has lately taken place, enhances the value of both. The Hinemoa has a large lode, the mineral of which assays well, besides having other reefs on the property, on which not a great deal has been done, but sufficient to prove them gold - bearing. In the Una a considerable length of good gold-bearing stone has been proved on one reef, and another contains a large quantity of high-grade pyrites. Mr. J. B. Armitage, manager of the Hinemoa, leaves for New Zealand at the end of the month for a trip, and in all probability will be accompanied by Messrs. H. Fiddes and W. Blackmore.

Examiner (Launceston)

Thursday 26 May 1904

NORTH MOUNT VICTORIA GOLD FIELDS

Our Alberton correspondent writes:

Sections in the vicinity of the Hinemoa and Una mines have lately been pegged, and prospecting is going on in vicinity of the old Mount property with encouraging results, Mr. R. O'Brien being on the look-out for another Una. The prospect of the early

flotation of the Ringarooma G.M. Company's freehold is very welcome news lately received.

Examiner (Launceston)

Thursday 2 June 1904

SOUTH MOUNT VICTORIA GOLDFIELD, GOVERNMENT GEOLOGIST'S REPORT

The report of Mr. W. H. Twelvetrees, the Government Geologist, on the South Mount Victoria goldfield, has been issued.

Sections 290, 293, 307-9, 10 acres each, are held by the Hinemoa Gold Mining Company, on the south side of the Alberton divide, about 12 miles from Mathinna. The property is on a north and south spur, which extends southwards to the north side of the Strickland Creek. The Alberton track at the turn-off to the mine is about 1000ft. above the Dan Bridge, and a steep track to the camp leads westward down the side of the Hinemoa ravine, falling 600ft. at an angle of 40deg. Fair results have been obtained, and the richer stone obtained will probably sweeten the poorer which exists. Mr. Twelvetrees recommends that the present tunnel should be extended some distance further, and a crosscut driven west; after picking up the lode again, a shaft should be sunk in the hill side, and the reef followed down. The work which has been done on the lode so far is not sufficient for a safe estimate of its value to be made. Besides work on the known reefs, an exploratory crosscut could very well be continued, past the new reef into the hill. Reefs in this belt of country are known often not to rise to the surface, and can only be disclosed by underground work. It cannot be too well borne in mind that parallel reefs in this zone are the rule, and not the exception, and that a reef generally has its companion not very far off. Capital provided for any of these properties should include a sufficient amount for exploratory work to a reasonable extent.

The Una group of mines comprises the most northerly sections on the field. They are situate from half to three-quarters of a mile northwest of the Hinemoa, and include sections 134g, 10 acres, B. O'Brien; 298g, 5 acres, P. Counsel; 133g, 10 acres, B. Soley; and 337g, 10 acres, to the south of the above, has been taken up by W. J.

Conder. The old Una workings are on Soley's and O'Brien's sections, the low tunnel and battery site being on Soley's, and the top tunnel, where the main workings were, on O'Brien's. P. Counsel's small section is between these two. The main work has been done at the upper tunnel, three quarter of a mile north-west from the Hinemoa. The first crushings from the level stopes are reported to have been good, the later ones less so, and the proprietors went off to the western silver fields. There is a small underhand stope at the tunnel entrance, and the last crushing was taken out from this and carted to Alberton via Ringarooma. Mr. G. P. Sinclair, of Zeehan, who examined the workings last year, reports that the reef is 2ft. wide in the back of the drive, and has widened to 5ft. in the sole, and that his sample assayed 15dwt. gold per ton. Mr. Hickson dollied at one time 21oz. from 3 tons of stone from this reef. The geologist, in winding up his remarks on this property, says - Other lodes are said to exist on the properties, but since work ceased the growth of fern, etc., has been considerable, and is an obstacle to examination. For a satisfactory inspection, a little work is needed in the way of clearing the ground, exposing the out crops, deepening the trenches, putting the tunnel in order, etc. From what I could see, however, it was quite apparent that a resumption of work is warranted. All the work done hitherto has been very shallow, and it was suspended when the first difficulty was encountered. The low tunnel has not been driven far enough to intersect the main reef, and a good part of the upper tunnel would appear to have been driven off the reef. This reef, being a long one, is likely to carry different shoots in different parts of its course, and when the position of a shoot has been defined, it should be followed both horizontally and vertically. Good backs for driving are obtainable northwards, but not much can be got along the course of the reef southwards, and sinking eventually will become a necessity. The mine is 500ft. to 600ft, higher than the Hinemoa, and the creek runs from one mine to the other.

Examiner (Launceston)

Saturday 19 August 1933

MINING

NORTH MOUNT VICTORIA

MINING ACTIVITIES

At the Una group, about three quarters of a mile north-west of the Hinemoa, Mr. W. Beck has carried out a lot of prospecting and mining work. He has also erected a water wheel and a small battery for treating the quartz as it is being mined. The country rock is slate, dipping south-west. The main lode consists of new-looking grey mottled stone, carrying pyrite and a little copper pyrites, with some graphitic slate.

A Hobart syndicate is carrying on mining work on promising lodes prospected by Mr. H. A. Raynor south of the Una mine. It has a length of 700 ft. and an average width of 2ft. to 3ft., carrying gold throughout its length. Of ten samples taken across the full width of the lode, five varied from 7dwt. to 23dwt of gold to the ton, these being from the northern portion, while those to the south were a little lower. An adit is now being driven by two shifts to test the lode at a depth.

Examiner (Launceston)

Friday 9 March 1934

NORTH MT VICTORIA

At the Una group, about three - quarters of a mile north-west of the Hinemoa, and also south of the Una mine, some good results are being obtained.

Examiner (Launceston)

Monday 2 April 1934

NORTH MT VICTORIA

GOLD-MINING ACTIVITIES

The sections prospected by Mr. H. A. Raynor, south of the Una mine, are reported to be still opening up well. The lode was tested at a depth, and payable stone met with.

Examiner (Launceston)

Thursday 3 May 1934

MOUNT VICTORIA FIELD

At the Una group, about three-quarters of a mile north-west of the Hinemoa, some fair returns of gold are being made, and promising developments are occurring on lodes south of the Una mine.

Examiner (Launceston)

Friday 4 May 1934

MOUNT VICTORIA

ALBERTON FIELD

At the Una group, north-west of the Hinemoa, Mr. W. Beck is continuing on a good make of stone, and south of the Una mine Mr. H. A. Raynor's sections are also opening up well.

7.0 Discussion and Conclusions.

After considerable delays due to weather two diamond drill holes have been successfully completed on the Hinemoa Prospect. Both holes intersected quartz veining and sulphide mineralisation down dip from the projected position of the Hinemoa line-of-lode. Assay results have yet to be received for the holes and so the strength of the mineralisation remains; at this point in time, unknown.

Attempts to establish a geochemical traverse across the strike of the Hinemoa mineralisation was unsuccessful due to thick undergrowth, however should access be available the presence of pathfinder elements across the known trend of the structure could generate a useful targeting method.

Rehabilitation and track work has led to the re-discovery of the Raynor's Adit. The workings were found to be in excellent condition.

Historic newspaper articles indicate a fair amount of interest in the Hinemoa and Raynor's area. The assay results obtained by Mitchell (1980) appear to confirm the mineralisation mentioned in 1903/04 and 1933/34.

Based upon the results of the samples from the two holes drilled a decision will be made to decide whether to continue a further follow-up program of drilling below the Hinemoa adit. Drilling is planned to target an area to the south of the Raynor's adit 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 it may represent the northern edge of a higher grade shoot of mineralisation.

8.0 Expenditure.

Geoscientific Costs

- Geology \$ 16,942
- Geochemistry
- Geophysics
- Remote Sensing

Drilling & Gridding Costs

- Gridding
- Drilling \$ 55,632

Land Access Costs

Rehabilitation Costs

Feasibility Study Costs

Other Items \$ 5,827

Administration Costs \$ 3,000

Total Costs \$ 81,401

9.0 References

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APPENDICIES

APPENDIX 1

Surface Location (SL1)

H0001 Exploration Licence Data header file
H0002 Version 1
H0003 Generated 5/10/2012
H0004 Reporting period end_date 5/11/2012
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: VICTORIA
H0201 End_of_data_acquisiton 5/10/2012
H0202 Data_format SG1
H0203 Number_of_data_records 13
H0204 Date_of_metadata_update 5/10/2012
H0300 FileNames
H0301 downhole_survey_data_file EL332008_201112_04_dhsurvey.txt
H0302 location_data_file EL332008_201112_02_dhlocation.txt
H0303 assay_data_file EL332008_201112_03_dhassay.txt
H0304 rock_description_file EL332008_201112_05_lithology.txt
H0305 lithology_code_file EL332008_201112_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
H1000 Project Prospect Hole_id GDA_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	Hole_Size
	Drill_Company	Line	Start_Date	End_Date	Coll_Surv	Lab		
D	UNA_PLAINS UNA	U_GRAB01	5421219	" 568,379.00 "	728			
	GRAB	HINEMOA	30/07/2009	30/07/2009	N			
	Bernie Reseach Laboratory							
D	UNA_PLAINS UNA	UDH001	5422172.97	" 568,104.33 "	726.83947.6			
	SURF_DDH	NTW	Low Impact Diamond Drilling Specialists Pty Ltd					
	UNA_STH	24/07/2009	25/07/2009	N	Bernie Reseach Laboratory			
D	UNA_PLAINS UNA	UDH002	5422108.95	" 568,133.75 "	714.33135.8			
	SURF_DDH	NTW	Low Impact Diamond Drilling Specialists Pty Ltd					
	UNA_STH	26/07/2009	27/07/2009	N	Bernie Reseach Laboratory			

D	UNA_PLAINS	UNA	UN001	5422362.63	" 568,052.91 "	732.51	18.2
	SURF_DDH	BQTK	ATD	UNA	N	Bernie Reseach	Laboratory
D	UNA_PLAINS	UNA	UN002	5422381.01	" 568,042.97 "	738.66	21.2
	SURF_DDH	BQTK	ATD	UNA	N	Bernie Reseach	Laboratory
D	UNA_PLAINS	UNA	UN003	5422380.93	" 568,042.80 "	738.6	25.7
	SURF_DDH	BQTK	ATD	UNA	N	Bernie Reseach	Laboratory
D	UNA_PLAINS	UNA	UN004	5422391.93	" 568,039.57 "	740.09	24.3
	SURF_DDH	BQTK	ATD	UNA	N	Bernie Reseach	Laboratory
D	UNA_PLAINS	UNA	UN005	5422398.35	" 568,031.27 "	737.56	25.7
	SURF_DDH	BQTK	ATD	UNA	N	Bernie Reseach	Laboratory
D	UNA_PLAINS	UNA	UN006	5422371.21	" 568,043.54 "	734.88	24.2
	SURF_DDH	BQTK	ATD	UNA	N	Bernie Reseach	Laboratory
D	UNA_PLAINS	UNA	UN007	5422358.73	" 568,045.37 "	730.57	27.2
	SURF_DDH	BQTK	ATD	UNA	N	Bernie Reseach	Laboratory
D	UNA_PLAINS	UNA	UN008	5422398.29	" 568,018.62 "	733.11	40.7
	SURF_DDH	BQTK	ATD	UNA	N	Bernie Reseach	Laboratory
D	UNA_PLAINS	HINEMOA	HGD-01	5421336.00	" 568,334.00 "		
	567.00	47.3	SURF_DDH	NTW	Low Impact Diamond Drilling Specialists		
							Pty Ltd HINEMOA
D	UNA_PLAINS	HINEMOA	HGD-02	5421336.00	" 568,334.00 "		
	567.00	71.1	SURF_DDH	NTW	Low Impact Diamond Drilling Specialists		
							Pty Ltd HINEMOA

EOF

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APPENDIX 2

Downhole Geochemistry (DG1)

H0001 Exploration Licence Data header file
H0002 Version 1
H0003 Generated 5/10/2012
H0004 Reporting period end_date 5/11/2012
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 30/09/2011
H0201 End_of_data_acquisiton 5/10/2012
H0202 Data_format SG1
H0203 Number_of_data_records 12
H0204 Date_of_metadata_update 5/10/2012
H0300 FileNames
H0301 assay_data_file EL332008_201112_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 AT/OES AT/OES Au_Rp1 (F650) FA25_AAS
H1002 metre metre 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 UNA_PLAINS HINEMOA U_GRAB01 0907001 1.53
1.53 <1 15300
D UNA_PLAINS UNA UDH001 5.00 5.30 95260 0.03 0.03
<1 250
D UNA_PLAINS UNA UDH001 5.30 6.40 95261 0.05 0.05
<1 100
D UNA_PLAINS UNA UDH001 6.40 7.00 95262 0.02 0.02
<1 200
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						

EOF

APPENDIX 3

Drilling Results (DS1)

H0001 Exploration Licence Data header file
H0002 Version 1
H0003 Generated 5/10/2011
H0004 Reporting period end_date 5/11/2012
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 30/09/2011
H0201 End_of_data_acquisiton 5/10/2012
H0202 Data_format SG1
H0203 Number_of_data_records 17
H0204 Date_of_metadata_update 5/10/2012
H0300 FileNames
H0301 downhole_survey_data_file EL332008_201112_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		
H1001	Dip Instrument	metres	degrees_decimal	degrees_decimal			
H1004	Dip Instrument	degrees_decimal					
D	Project Prospect	Hole-ID	Distance	Azimuth			
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 5/10/2012
H0004 Reporting period end_date 5/11/2012
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 30/09/2011
H0201 End_of_data_acquisiton 5/10/2012
H0202 Data_format SG1
H0203 Number_of_data_records 217
H0204 Date_of_metadata_update 5/10/2012
H0300 FileNames
H0301 rock_description_file EL332008_201112_05_lithology.txt
H0302 lithology_code_file EL332008_201112_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
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
D	UNA_PLAINS	HINEMOA	HGD-02	51.25	52.00	SST	-	F
D	UNA_PLAINS	HINEMOA	HGD-02	52.00	52.70	DYKE	-	F
D	UNA_PLAINS	HINEMOA	HGD-02	52.70	53.80	SST	-	F
D	UNA_PLAINS	HINEMOA	HGD-02	53.80	54.10	DYKE/FLT		-
D	UNA_PLAINS	HINEMOA	HGD-02	54.10	56.00	SST/SLT		-
D	UNA_PLAINS	HINEMOA	HGD-02	56.00	56.50	SLT	-	F
D	UNA_PLAINS	HINEMOA	HGD-02	56.50	57.45	SST	-	F
D	UNA_PLAINS	HINEMOA	HGD-02	57.45	58.90	SLT	-	F
D	UNA_PLAINS	HINEMOA	HGD-02	58.90	61.20	SST	-	F
D	UNA_PLAINS	HINEMOA	HGD-02	61.20	62.20	SST/QV		py
D	F 10	qvns						
D	UNA_PLAINS	HINEMOA	HGD-02	62.20	68.30	SST/SLT		-
D	UNA_PLAINS	HINEMOA	HGD-02	68.30	68.60	SLT	-	F
D	UNA_PLAINS	HINEMOA	HGD-02	68.60	71.70	SST	-	F
D	UNA_PLAINS	UNA	UDH001	-	4.10	SLTSH	-	LW 0
D	UNA_PLAINS	UNA	UDH001	4.10	4.30	SLTSH	-	MW 0
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
D	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
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
D	UNA_PLAINS	UNA	UDH001	21.00	21.70	SST	-	F 0

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

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	
D	sil	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	
D	UNA_PLAINS	UNA	UN008	25.00	29.60	SST/SLTST	-	-	40	
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,
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 5/10/2012
H0004 Reporting period end_date 5/11/2012
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 30/09/2011
H0201 End_of_data_acquisiton 5/10/2012
H0202 Data_format SG1
H0203 Number_of_data_records 44
H0204 Date_of_metadata_update 5/10/2012
H0300 FileNames
H0301 lithology_code_file EL332008_201112_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 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 asp Arsenopyrite
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 qvns quartz stringers and veinlets
D feox iron oxide staining (after sulphide)
EOF