

EL33/2008 – UNA PLAINS

TASMANIA

ANNUAL TECHNICAL REPORT

5TH NOVEMBER 2008 – 4TH NOVEMBER 2009

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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_200911_01_report	pdf	Report Body
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Drilling

Drilling_All	EL332008_200911_02_dhlocation	txt	Drill hole collar locations
Drilling_All	EL332008_200911_03_dhassay	txt	Drill hole assay data
Drilling_All	EL332008_200911_04_dhsurvey	txt	Down hole survey
Drilling_All	EL332008_200911_05_lithology	txt	Drill hole lithology
Drilling_All	EL332008_200911_06_lithcode	txt	Lithology Codes
Report	EL332008_200911_02_appendix1	pdf	Drill hole collar locations
Report	EL332008_200911_03_appendix2	pdf	Drill hole assay data
Report	EL332008_200911_04_appendix3	pdf	Down hole survey
Report	EL332008_200911_05_appendix4	pdf	Drill hole lithology
Report	EL332008_200911_06_appendix5	pdf	Lithology Codes

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 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 2008 – 2009 work was undertaken to review all available data and literature pertaining to the Una and Dan's Rivulet mining area. Data migration to a digital format was commenced but assay results for drilling undertaken previously on the Una Mine had not been successfully transferred.

Site visits were undertaken and ground proofing performed on historic documents. A Work Plan was lodged and approved on 21st April 2009 to undertake drilling on both the Una and Hinemoa lines of mineralisation.

Additional site investigations undertaken in January 2009 subsequently determined that pre-existing track access to the Hinemoa line of mineralisation had been severely impacted and degraded by the actions of Forestry Tasmania to such an extent that exploration drilling of the Hinemoa line was deferred.

KEY WORDS

Location Name:	Una, Dans Rivelet.
Earth Science Related Terms:	Sinistral 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.
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 Pty Ltd (GEMS).

During the period 2008 – 2009 work was undertaken to review all available data and literature pertaining to the Una and Dan's Rivulet mining area. Site visits were undertaken and ground proofing performed on historic documents. A Work Plan was lodged and approved on 21st April 2009 to undertake drilling on both the Una and Hinemoa lines of mineralisation.

Additional site investigations undertaken in January 2009 subsequently determined that pre-existing track access to the Hinemoa line of mineralisation had been severely impacted and degraded by the actions of Forestry Tasmania to such a extent that exploration drilling of the Hinemoa line was deferred.

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

The presence of historic mining along several structures was investigated. Surface pitting of high grade gold veining indicates that the licence has proven potential.

The initial exploration target is to test mineralisation to the south of the Una No.1 Adit along the postulated hangingwall shear that controls overall mineralisation.

Five adits and a series of surface trenches have been excavated at the Una Mine, which are located approximately 900 metres north of the Hinemoa workings.

The workings were assessed in 1980 by Mitchell (1980) and by Akerman (1995), with drilling ultimately being undertaken on the northern most workings. All drilling to date has been focused on and under the northern most Adit (No.1). It is proposed that the mineralisation extending to the south be tested

Hinemoa:

The Hinemoa workings have been explored previously by three 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 structure had previously been tested by two adits only one of which (the most northerly) is still accessible. The southern access (Rayner,s Tunnel) has been buried by scree material resultant for the clear-felling of the coupe immediately above the Adit.

Ablerton 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.

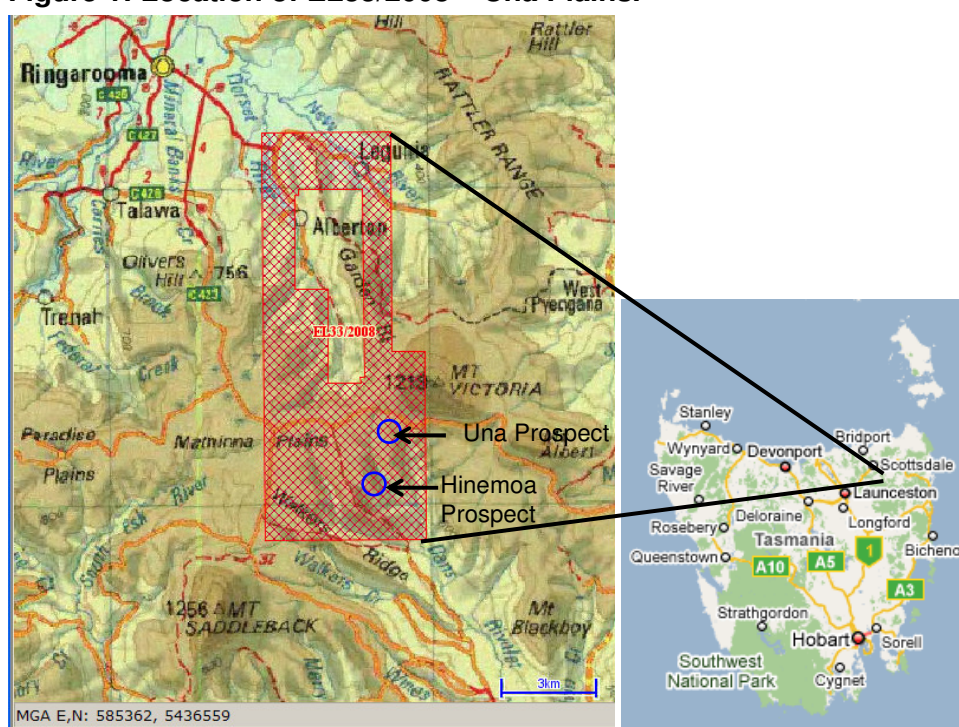
The focus in the first year has not been directed to the northern potential of the Licence.

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.

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.

6.0 Exploration Completed During the Reporting Period

During this period the Licence was subject to significant review of all available data to GEMS. Data collation involved all available information on open file as well as library and internet sources.

Migration of the data into electronic format has commenced with the survey coordinates of the previous UNA series holes being converted to AGD94 format. Migration of assay results are expected to be completed during the next year.

Several site inspections were also undertaken during the reporting period representatives of GEMS Pty Ltd.

After an initial review of available data a Work Plan was submitted to allow shallow diamond drilling to be undertaken on the Una South and Hinemoa Prospects. Track rehabilitation and drilling was undertaken ultimately only on the Una South Prospect due difficulties in rehabilitating the Hinemoa access track.

At the Una South Prospects two (2) NTW sizes diamond drill holes were drilled between 24th and 27th June 2009 from separate drill pads located approximately 40 metres apart and designed to test for mineralisation below small scale historic pitting and underground driving. A total of 83.4 metres was drilled during the reporting period.

A separate site visit to geologically log and determine sampling sections of the drilled core and inspect access options at the Hinemoa prospect was undertaken on 28th and 30th July. A traverse across the surface outcrop position of the Hinemoa reef undertaken during the visit resulted in the location of a sulphidic float material. Subsequent analysis of the sample returned grades of 1.53 g/t Au, <1 g/t Ag and 15,300ppm As. This is considered encouraging as it was been determined that the sample coincided with earlier chip samples (Mitchell 1998) of similar tenor.

Table 1. Significant Assay Results – Diamond Drilling 2008 – 2009 (amended)

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

7.0 Discussion and Conclusions.

The results from the two Diamond Drill Holes (UDH001 and UDH002) were geologically encouraging, in that it confirmed the presence of structural controls that may host economic mineralisation. 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.

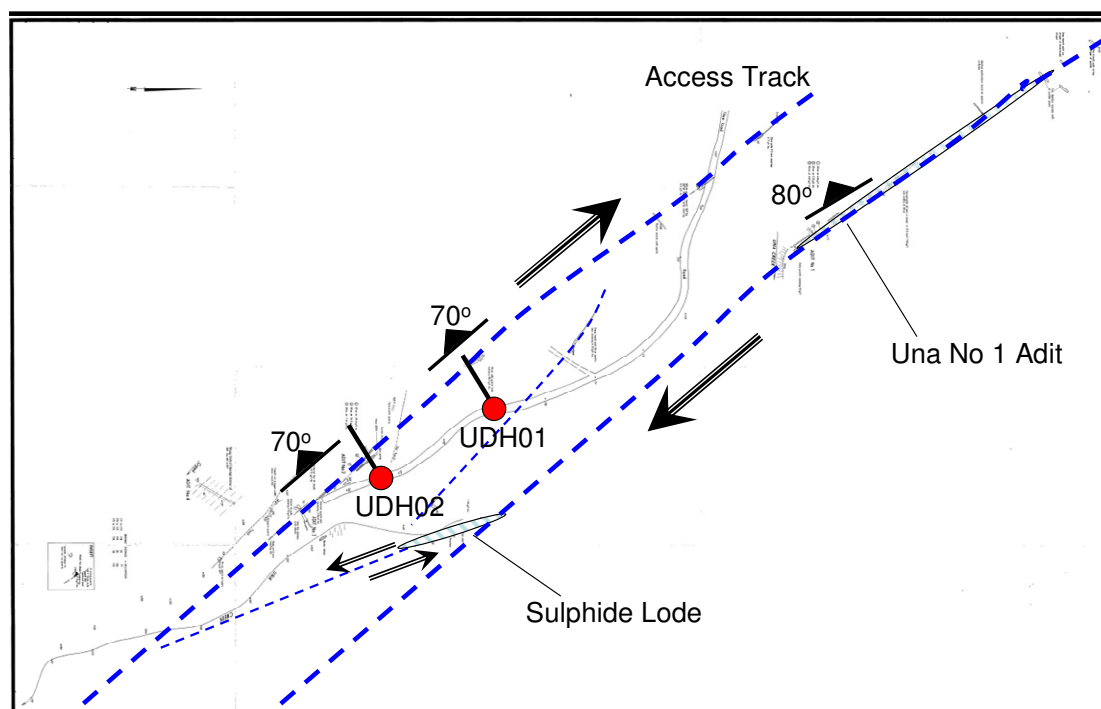
Table 1. Significant Assay Results – Diamond Drilling 2008 - 2009

HOLE ID	FROM (m)	TO (m)	INTERVAL (m)	AU (g/t)	AG (g/t)	AS (ppm)	COMMENTS
UDH001	40.6	44.8	4.8	0.20	1.0	2,267	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 (Figure 2.). The bulk of historic production has come from the Una Mine located on the footwall of the structural corridor.

The presence of a small sulphide vein investigated by Geopeko Limited in 1973 was mapped and found to be on a strike significantly different to that of the major mineralised structures. It is probable that this structure may represent a small localised dilatational infilling occurring at the intersection of the primary (hosting the Una Mine) and secondary order riedel shear arrangement.

Figure 2. Structural Analysis of Una Prospect (after Mitchell 1980).



In the approved Work Plan covering the Hinemoo Prospect planned to clean up the pre-existing access track to allow the structure to be tested by several drill holes.

Unfortunately this plan has had to be temporarily postponed due to extensive damage resulting from the clear-felling of a hardwood coupe that covers the Hinemoo Prospect by Forestry Tasmania. During the logging process the crowns of trees, escaped logs and entire trees have fallen down-slope, chocking and covering the access track entirely. Track rehabilitation will; as a result of the activities of Forestry Tasmania, be much more expensive than previously budgeted in the MRT Work Plan.

Discussions with Forestry Tasmania have determined that the original track to the Hinemoo Prospect, whilst once being an asset for access and as a fire fighting control track has now been deemed to no longer be of any value.

8.0 Expenditure.

Geoscientific Costs

- Geology \$ 16,200
- Geochemistry \$ 550
- Geophysics
- Remote Sensing

Drilling & Gridding Costs

- Gridding
- Drilling \$ 25,529

Land Access Costs

Rehabilitation Costs

Feasibility Study Costs

Other Items \$ 5,492

Administration Costs \$ 840

Total Costs	\$ 48,786
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9.0 References

- Akerman, T.E. November 1996.** Annual Report, Exploration Licence 23/92. *Unpublished internal report, Mancala Pty Ltd*
- Anon, May 1996.** Annual Report of Cuttack Mining and Exploration Pty Ltd. *MRT96-3849*
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- Keele, R.A., Taheri, J., and Bottrill, R.R., 1994.** Structural and veining in the Devonian aged Mathinna-Alberton Gold Lineament, northeastern Tasmania. *Report 1994/06, Mineral Resources Tasmania*
- Mitchell, P.R., May 1980.** Geological Appraisal of the Dans Rivulet Area (E.L.31/76), Mathinna, Tasmania Prepared for Sturts Meadows Prospecting Syndicate N.L. By A.C.A. Howe Australia Pty Ltd. *MRT 80-1464*
- Reed, A.R., 2004.** Gold mineralisation and the regional Palaeozoic structure of the Mathinna Supergroup, eastern Tasmania. *Record 2004/01, Mineral Resources Tasmania*
- Taheri, J., 1992.** Northeast Goldfields: A summary of the Tower Hill, Mathinna and Dans Rivulet Goldfields. *Report 1992/10, Mineral Resources Tasmania*
- Taheri, J., 1993.** Northeast Goldfields: A summary of the Alberton Goldfield. *Report 1993/34, Mineral Resources Tasmania.*
- Threader, V.M., 1947.** 6. Proposed Drilling at Una Mine. Pp 47 – 49. *Economic and General Geology. TR8_47-49*

Twelvetreets, W.H., 1904. Report on the Mount Victoria Goldfield. *Department of Mines, Tasmania*

APPENDICIES

APPENDIX 1

Surface Location (SL1)

H0001 Exploration Licence Data header file
 H0002 Version 1
 H0003 Generated 12/10/2009
 H0004 Reporting period end_date 7/10/2009
 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 5/11/2008
 H0201 End_of_data_acquisiton 15/10/2009
 H0202 Data_format SG1
 H0203 Number_of_data_records 12
 H0204 Date_of_metadata_update 16/10/2009
 H0300 FileNames
 H0301 downhole_survey_data_file EL332008_200911_04_dhsurvey.txt
 H0302 location_data_file EL332008_200911_02_dhlocation.txt
 H0303 assay_data_file EL332008_200911_03_dhassay.txt
 H0304 rock_description_file EL332008_200911_05_lithology.txt
 H0305 lithology_code_file EL332008_200911_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 568379 728
 GRAB HINEMOA 30/07/2009 30/07/2009 N
 Bernie Reseach Laboratory
 D UNA_PLAINS UNA UDH001 5422172.97 568104.33 726.83947.6
 SURF_DD H 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 568133.747 714.33135.8
 SURF_DD H 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	568052.91	732.51	18.2
	SURF_DDH	BQTK	ATD	UNA	N	Bernie Reseach	
Laboratory							
D	UNA_PLAINS	UNA	UN002	5422381.01	568042.97	738.66	21.2
	SURF_DDH	BQTK	ATD	UNA	N	Bernie Reseach	
Laboratory							
D	UNA_PLAINS	UNA	UN003	5422380.93	568042.8	738.6	25.7
	SURF_DDH	BQTK	ATD	UNA	N	Bernie Reseach	
Laboratory							
D	UNA_PLAINS	UNA	UN004	5422391.93	568039.57	740.09	24.3
	SURF_DDH	BQTK	ATD	UNA	N	Bernie Reseach	
Laboratory							
D	UNA_PLAINS	UNA	UN005	5422398.35	568031.27	737.56	25.7
	SURF_DDH	BQTK	ATD	UNA	N	Bernie Reseach	
Laboratory							
D	UNA_PLAINS	UNA	UN006	5422371.21	568043.54	734.88	24.2
	SURF_DDH	BQTK	ATD	UNA	N	Bernie Reseach	
Laboratory							
D	UNA_PLAINS	UNA	UN007	5422358.73	568045.37	730.57	27.2
	SURF_DDH	BQTK	ATD	UNA	N	Bernie Reseach	
Laboratory							
D	UNA_PLAINS	UNA	UN008	5422398.29	568018.62	733.11	40.7
	SURF_DDH	BQTK	ATD	UNA	N	Bernie Reseach	
Laboratory							
EOF							

APPENDIX 2

Downhole Geochemistry (DG1)

H0001 Exploration Licence Data header file
H0002 Version 1
H0003 Generated 16/10/2009
H0004 Reporting period end_date 5/11/2009
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 5643; RINGAROOMA
H0123 Map_sheet_number_25K 5642; ALBERTON
H0123 Map_sheet_number_25K 5642; VICTORIA
H0200 Start_of_data_acquisiton 5/11/2008
H0201 End_of_data_acquisiton 15/10/2009
H0202 Data_format DG1
H0203 Number_of_data_records 14
H0204 Date_of_metadata_update 16/10/2009
H0300 FileNames
H0301 assay_data_file EL332008_200911_03_dhassay.txt
H0600 Sample_Code Sample_Type Sample_Description
H0601 R Diamond Drill core "Core, Sample interval"
H0700 Sample_Processing_Code Sample_Processing_Details
H0701 FA25_AAS 12hr Dry @ 80C - Jaw Cruch to 80% <3mm - Total Pulv (LM5) to 90% <75um - 200g Split for assay
H0702 ScreenFire 12hr Dry @ 80C - Jaw Cruch to 80% <3mm - Total Pulv (LM5) to 90% <75um - 500g Split for assay
H0800 Assay_code Assay_Description Assay_company
H0801 FA25_AAS FA/AAS Fire Assay (25g)/flame Atomic Absorption Spectrometry
Bernie Research Laboratory Pty Ltd
H0802 ScreenFire Screen Fire Assay Bernie Research Laboratory Pty Ltd
H0804 AT/OES 4 Acid Digest in Teflon Tube / Inductively Coupled Plasma Optical
(Atomic) Emission Spectrometry Bernie Research Laboratory Pty Ltd
H0900 Remarks Down Hole Geochemistry
H1000 Project Prospect Hole-ID From To Sample Au_ppm
Au_ppm Au_Avg Ag_ppm As_ppm
H1001 Au_Rp1 (F650) FA25_AAS
AT/OES AT/OES
H1002 metre metre ppm ppm ppm ppm
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 5.3 95260 0.03 0.03
<1 250
D UNA_PLAINS UNA UDH001 5.3 6.4 95261 0.05 0.05
<1 100
D UNA_PLAINS UNA UDH001 6.4 7 95262 0.02 0.02
<1 200

D	UNA_PLAINS	UNA	UDH001	7	7.3	95263	0.13	0.13
	<1	300						
D	UNA_PLAINS	UNA	UDH001	34.7	40	95264	-0.01	
	<0.01	<1	1000					
D	UNA_PLAINS	UNA	UDH001	40	40.6	95265	0.04	0.04
	<1	750						
D	UNA_PLAINS	UNA	UDH001	41	41.6	95267	0.14	0.14
	<1	1550						
D	UNA_PLAINS	UNA	UDH001	44.3	44.8	95268	0.15	0.15
	<1	900						
D	UNA_PLAINS	UNA	UDH001	44.8	45.3	95269	0.05	0.05
	<1	350						
D	UNA_PLAINS	UNA	UDH001	40.6	41	95266	0.34	0.34
	<1	950						
D	UNA_PLAINS	UNA	UDH002	25	25.5	95270	0.02	0.02
	<1	250						
D	UNA_PLAINS	UNA	UDH002	25.5	26	95271	-0.01	
	<0.01	<1	250					
D	UNA_PLAINS	UNA	UDH002	26	26.6	95272	0.08	0.08
	<1	200						

EOF

APPENDIX 3

Drilling Results (DS1)

H0001 Exploration Licence Data header file
 H0002 Version 1
 H0003 Generated 16/10/2009
 H0004 Reporting period end_date 5/11/2009
 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 5643; RINGAROOMA
 H0123 Map_sheet_number_25K 5642; ALBERTON
 H0123 Map_sheet_number_25K 5642; VICTORIA
 H0200 Start_of_data_acquisiton 5/11/2008
 H0201 End_of_data_acquisiton 15/10/2009
 H0202 Data_format DS1
 H0203 Number_of_data_records 11
 H0204 Date_of_metadata_update 16/10/2009
 H0300 FileNames
 H0301 downhole_survey_data_file EL332008_200911_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 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 16/10/2009

H0004 Reporting period end_date 5/11/2009

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 5643; RINGAROOMA

H0123 Map_sheet_number_25K 5642; ALBERTON

H0123 Map_sheet_number_25K 5642; VICTORIA

H0200 Start_of_data_acquisiton 5/11/2008

H0201 End_of_data_acquisiton 15/10/2009

H0202 Data_format DL1

H0203 Number_of_data_records 136

H0204 Date_of_metadata_update 16/10/2009

H0300 FileNames

H0301 rock_description_file EL332008_200911_05_lithology.txt

H0302 lithology_code_file EL332008_200911_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_TYPE						

H1001		metres	metres		species	%	style
H1004		0.1	0.1				

D	Project	Prospect	Hole-ID	From	To	Lithology	Sulphide
	Weathering	% Qtz	ALT_TYPE				
D	UNA_PLAINS	UNA	UDH001	0	4.1	SLTSH -	sox 0
D	UNA_PLAINS	UNA	UDH001	4.1	4.3	SLTSH -	mox 0
D	UNA_PLAINS	UNA	UDH001	4.3	5.2	SLTSH -	sox 0
D	UNA_PLAINS	UNA	UDH001	5.2	7.3	SL/QV py asp	sox 40
D	UNA_PLAINS	UNA	UDH001	7.3	10.6	SH -	fr 0
D	UNA_PLAINS	UNA	UDH001	10.6	16.5	SLTSH -	fr 0
D	UNA_PLAINS	UNA	UDH001	16.5	17.3	SLTST/SST	- fr
D	UNA_PLAINS	UNA	UDH001	17.3	18.8	SLTSH -	fr 0
D	UNA_PLAINS	UNA	UDH001	18.8	20	SST -	fr 0
D	UNA_PLAINS	UNA	UDH001	20	21	SST/QV	- fr

D	UNA_PLAINS	UNA	UDH001	21	21.7	SST	-	fr	0
D	-								
D	UNA_PLAINS	UNA	UDH001	21.7	22.8	SST	-	fr	0
D	feox								
D	UNA_PLAINS	UNA	UDH001	22.8	23.1	SST/QV		py	fr
D	1 feox								
D	UNA_PLAINS	UNA	UDH001	23.1	24.9	SST/QV		-	fr
D	1 -								
D	UNA_PLAINS	UNA	UDH001	24.9	27.3	SLTST/SH/SST-			fr
D	0 -								
D	UNA_PLAINS	UNA	UDH001	27.3	32.8	SST	-	fr	0
D	-								
D	UNA_PLAINS	UNA	UDH001	32.8	34.7	SLTSH	-	fr	0
D	-								
D	UNA_PLAINS	UNA	UDH001	34.7	35.4	SST/QV		asp py	sox
D	1 feox								
D	UNA_PLAINS	UNA	UDH001	35.4	35.6	SLTSH	-	fr	0
D	-								
D	UNA_PLAINS	UNA	UDH001	35.6	39.4	SST/SL-		fr	1
D	-								
D	UNA_PLAINS	UNA	UDH001	39.4	42.7	SST/QV		py asp	fr
D	20 "sil, ser"								
D	UNA_PLAINS	UNA	UDH001	42.7	43.4	SH/SL	-	fr	0
D	-								
D	UNA_PLAINS	UNA	UDH001	43.4	44.7	SLTST/QV		asp	fr
D	15 sil								
D	UNA_PLAINS	UNA	UDH001	44.7	45.6	SLTSH	-	fr	1
D	-								
D	UNA_PLAINS	UNA	UDH001	45.8	45.9	SST/QV		-	fr
D	1 -								
D	UNA_PLAINS	UNA	UDH001	45.9	47.3	SST	-	fr	0
D	-								
D	UNA_PLAINS	UNA	UDH001	45.6	45.8	SST	-	fr	0
D	-								
D	UNA_PLAINS	UNA	UDH002	0	1.8	SH	-	mox	0
D	-								
D	UNA_PLAINS	UNA	UDH002	1.8	6.5	SST	-	mox	0
D	-								
D	UNA_PLAINS	UNA	UDH002	6.5	7.1	SST/QV		-	sox
D	1 -								
D	UNA_PLAINS	UNA	UDH002	7.1	8.3	SST/SL-		mox	0
D	-								
D	UNA_PLAINS	UNA	UDH002	8.3	9.8	SST	-	sox	1
D	-								
D	UNA_PLAINS	UNA	UDH002	9.8	10	SST/QV		-	sox
D	1 -								
D	UNA_PLAINS	UNA	UDH002	10	20	SST	-	fr	0
D	-								
D	UNA_PLAINS	UNA	UDH002	20	20.6	SLTSH	-	fr	0
D	-								
D	UNA_PLAINS	UNA	UDH002	20.6	23.5	SST/SL-		fr	1
D	-								
D	UNA_PLAINS	UNA	UDH002	23.5	24.5	SLTSH	-	fr	1
D	-								

D	UNA_PLAINS	UNA	UDH002	24.5	26.6	SST/QV	py asp	fr	
	1	"sil, epi"							
D	UNA_PLAINS	UNA	UDH002	26.6	28.1	SST -	fr		1
	-								
D	UNA_PLAINS	UNA	UDH002	28.1	28.8	SLTSH -	fr		0
	-								
D	UNA_PLAINS	UNA	UDH002	28.8	29.3	SST -	fr		0
	-								
D	UNA_PLAINS	UNA	UDH002	29.3	30.2	SLTSH -	fr		0
	-								
D	UNA_PLAINS	UNA	UDH002	30.2	35.8	SST -	fr		1
	-								
D	UNA_PLAINS	UNA	UN001 0	0.5	NULL	- sox	-		-
D	UNA_PLAINS	UNA	UN001 0.5	2.3	SST	- sox	-		-
D	UNA_PLAINS	UNA	UN001 2.3	2.5	SLTST	- sox	-		-
D	UNA_PLAINS	UNA	UN001 2.5	6.2	SLTST/SST	- sox	-		-
	-								
D	UNA_PLAINS	UNA	UN001 6.2	8.5	SST	- sox	-		-
D	UNA_PLAINS	UNA	UN001 8.5	10	SLTST asp	sox	-		-
D	UNA_PLAINS	UNA	UN001 10	10.6	SST	- fr	tr		sil
D	UNA_PLAINS	UNA	UN001 10.6	12	SLTST	- fr	-		-
D	UNA_PLAINS	UNA	UN001 12	12.5	QV	asp py vg(?)	fr		100
	sil								
D	UNA_PLAINS	UNA	UN001 12.5	14.3	SST/SLTST	asp py	fr		tr
	-								
D	UNA_PLAINS	UNA	UN001 14.3	18.2	SST	- fr	tr		-
D	UNA_PLAINS	UNA	UN002 0	0.5	NULL				
D	UNA_PLAINS	UNA	UN002 0.5	5.9	SST				
D	UNA_PLAINS	UNA	UN002 5.9	6.2	NULL				
D	UNA_PLAINS	UNA	UN002 6.2	10.7	SST				
D	UNA_PLAINS	UNA	UN002 10.7	11	SST				
D	UNA_PLAINS	UNA	UN002 11	12.2	SST				
D	UNA_PLAINS	UNA	UN002 12.2	13.1	NULL				
D	UNA_PLAINS	UNA	UN002 13.1	14.4	LODE				
D	UNA_PLAINS	UNA	UN002 14.4	16.2	SST/SLTST				
D	UNA_PLAINS	UNA	UN002 16.2	16.7	NULL				
D	UNA_PLAINS	UNA	UN002 16.7	18.1	SST/SLTST				
D	UNA_PLAINS	UNA	UN002 18.1	19.3	SLTST/SST				
D	UNA_PLAINS	UNA	UN002 19.3	21.2	SST/SLTST				
D	UNA_PLAINS	UNA	UN003 0	0.3	NULL				
D	UNA_PLAINS	UNA	UN003 0.3	4.9	SST				
D	UNA_PLAINS	UNA	UN003 4.9	9.5	SST/SLTST				
D	UNA_PLAINS	UNA	UN003 9.5	10.4	SST				
D	UNA_PLAINS	UNA	UN003 10.4	11.9	SST/SLTST				
D	UNA_PLAINS	UNA	UN003 11.9	12.4	SLTST				
D	UNA_PLAINS	UNA	UN003 12.4	16.6	SST/SLTST				
D	UNA_PLAINS	UNA	UN003 16.6	20.2	SLTST/SST				
D	UNA_PLAINS	UNA	UN003 20.2	21.6	LODE				
D	UNA_PLAINS	UNA	UN003 21.6	22.1	SST				
D	UNA_PLAINS	UNA	UN003 22.1	25.7	SLTST/SST				
D	UNA_PLAINS	UNA	UN004 0	0.2	NULL				
D	UNA_PLAINS	UNA	UN004 0.2	8.7	SST				
D	UNA_PLAINS	UNA	UN004 8.7	16.2	SST/SLTST				
D	UNA_PLAINS	UNA	UN004 16.2	18	SLTST				
D	UNA_PLAINS	UNA	UN004 18	19.2	LODE				

D	UNA_PLAINS	UNA	UN004	19.2	21.3	SLTST/SST			
D	UNA_PLAINS	UNA	UN004	21.3	24.3	SLTST/SST			
D	UNA_PLAINS	UNA	UN005	0	0.2	NULL			
D	UNA_PLAINS	UNA	UN005	0.2	3.3	SST			sil
D	UNA_PLAINS	UNA	UN005	3.3	4.9	SST			sil
qvns									
D	UNA_PLAINS	UNA	UN005	4.9	5.6	SST			sil
D	UNA_PLAINS	UNA	UN005	5.6	6.2	SST			sil
ser									
D	UNA_PLAINS	UNA	UN005	6.2	10.7	SST			sil
D	UNA_PLAINS	UNA	UN005	10.7	12.2	SST/SLTST			
D	UNA_PLAINS	UNA	UN005	12.2	12.8	SLTST			
D	UNA_PLAINS	UNA	UN005	12.8	17.1	SST/SLTST			
D	UNA_PLAINS	UNA	UN005	17.1	17.7	SLTST			
D	UNA_PLAINS	UNA	UN005	17.7	18.3	SST			
D	UNA_PLAINS	UNA	UN005	18.3	19.4	LODE			sil
qvns bx									
D	UNA_PLAINS	UNA	UN005	19.4	21.2	SST/SLTST			
D	UNA_PLAINS	UNA	UN005	21.2	22.9	SST			
D	UNA_PLAINS	UNA	UN005	22.9	25.7	SST/SLTST			
D	UNA_PLAINS	UNA	UN006	0	0.7	NULL			
D	UNA_PLAINS	UNA	UN006	0.7	4	SST			
D	UNA_PLAINS	UNA	UN006	4	5.3	SLTST/SST			
D	UNA_PLAINS	UNA	UN006	5.3	6.6	SST			
D	UNA_PLAINS	UNA	UN006	6.6	8.3	SLTST/SST			
D	UNA_PLAINS	UNA	UN006	8.3	11	SST			
D	UNA_PLAINS	UNA	UN006	11	15	SLTST/SST			
D	UNA_PLAINS	UNA	UN006	15	17.1	SST			
D	UNA_PLAINS	UNA	UN006	17.1	17.7	SST			
D	UNA_PLAINS	UNA	UN006	17.7	19	LODE asp py vg			
sil qvns bx									
D	UNA_PLAINS	UNA	UN006	19	20.3	SLTST			
D	UNA_PLAINS	UNA	UN006	20.3	21.6	SST/SLTST			
D	UNA_PLAINS	UNA	UN006	21.6	24.2	SST/SLTST			
D	UNA_PLAINS	UNA	UN007	0	1.2	NULL			
D	UNA_PLAINS	UNA	UN007	1.2	4.7	SST/SLTST			
D	UNA_PLAINS	UNA	UN007	4.7	6.3	SLTST			
D	UNA_PLAINS	UNA	UN007	6.3	6.7	SLTST/SST			
D	UNA_PLAINS	UNA	UN007	6.7	11.9	SLTST/SST			
D	UNA_PLAINS	UNA	UN007	11.9	15.8	SLTST			
D	UNA_PLAINS	UNA	UN007	15.8	16.9	SLTST			
D	UNA_PLAINS	UNA	UN007	16.9	18.1	SST			
D	UNA_PLAINS	UNA	UN007	18.1	19.2	LODE			
D	UNA_PLAINS	UNA	UN007	19.2	23.2	SLTST/SST	py asp vg		
D	UNA_PLAINS	UNA	UN007	23.2	25.2	SST			
D	UNA_PLAINS	UNA	UN007	25.2	27.2	SLTST/SST			
D	UNA_PLAINS	UNA	UN008	1.9	10	SLTST -	-	0	-
D	UNA_PLAINS	UNA	UN008	10	14.7	SST/SLTST	-	-	0
-									
D	UNA_PLAINS	UNA	UN008	14.7	20.9	SST/SLTST	-	-	0
-									
D	UNA_PLAINS	UNA	UN008	20.9	22.7	SST py asp	-	0	-
D	UNA_PLAINS	UNA	UN008	22.7	25	SST/SLTST	-	-	20
sil									

D	UNA_PLAINS	UNA	UN008	25	29.6	SST/SLTST	-	-	40
	sil								
D	UNA_PLAINS	UNA	UN008	29.6	30	SST py asp	-	5	-
D	UNA_PLAINS	UNA	UN008	30	32.7	SST/SLTST	-	-	0
	-								
D	UNA_PLAINS	UNA	UN008	32.7	33.4	LODE asp py	-	80	"sil,
ser"									
D	UNA_PLAINS	UNA	UN008	33.4	36.7	SST/SLTST asp py	-		1
	-								
D	UNA_PLAINS	UNA	UN008	36.7	40.7	SST	-	-	0
EOF									

APPENDIX 5

Lithological Logging (DL1)

H0001 Exploration Licence Data header file
H0002 Version 1
H0003 Generated 12/10/2009
H0004 Reporting period end_date 5/11/2009
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 5643; RINGAROOMA
H0133 Map_sheet_number_25K 5642; ALBERTON
H0133 Map_sheet_number_25K 5642: VICTORIA
H0200 Start_of_data_acquisiton 5/11/2008
H0201 End_of_data_acquisiton 15/10/2009
H0202 Data_format DL1
H0203 Number_of_data_records 15
H0204 Date_of_metadata_update 16/10/2009
H0300 FileNames
H0301 lithology_code_file EL332008_200911_06_lithcode.txt
H0502 Vertical_datum AHD
H0506 Surveying_instrument
H0507 Surveying_company
H0900 Remarks Logging Codes
H1000 Code Lithology
H1001
H1004
D LITHOLOGY
D CODE LITHOLOGY
D QV Quartz vein
D SLTST Siltstone
D CL Clay
D SST Sandstone
D FLT Fault
D SHR Shear zone
D GRAN Granite
D GRIES Griesen
D
D WEATHERING
D CODE WEATHERING
D F FRESH
D EW EXTREME WEATHERED
D VW VERY WEATHERED
D MW MODERATLY WEATHERED
D LW LIGHTLY WEATHERED
D NULL NO MATERIAL(Core loss - void)
D
D MINERAL
D CODE MINERAL
D gal Galena
D bar Barite
D NULL No Sulphides present
D py Pyrite
D sph Sphalerite

D	cass	Cassiterite
D	mal	Malachite
D	stan	Stanite
D	sul	Undefined Sulphide
D	flour	Florite
D	cpy	Chalcopyrite
D		
D		ALTERATION
D	CODE	ALTERATION
D	0	No visible alteration mineralis
D	1	"Minor bleaching, silica, carbonate and pyrite"
D	2	"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	feox	iron oxide staining (after sulphide)
EOF		