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Unity Mining Limited  
Henty Gold Mine  
EL 8-2009 Red Hills  
Annual Report for Period  
16 November 2010 to 15 November 2011  
Vol. 1 of 1  
November 2011

<b>Held by:</b>	Unity Mining Limited
<b>Manager &amp; Operator</b>	Unity Mining Limited
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<b>Date:</b>	November 2011
<b>Map Sheets:</b>	Tasmania 1:25,000 Series Selina (3836)  Tasmania 1:100,000 Series Sophia (8014)
<b>Geographic Co-ord (GDA94):</b>	Min East: 381,000m Max East: 384,000m Min North: 5,363,000m Max North: 5,368,000m
<b>Commodity(s):</b>	Base metals, gold, silver

## 1.0 ABSTRACT

Unity Mining Ltd (UML) continued exploration of EL 8-2009 Red Hills during 2010-2011. Work undertaken during the 12 months report period, ending 15 November 2011, comprised:

- Earthmoving (access track and drill site preparation)
- Diamond drilling, with six holes completed, totalling 1355 metres
- Assaying of drill hole samples
- Data compilation and interpretation.

The principal aim of UML's drilling program was to resolve whether VHMS mineralisation intersected at Red Hills in historic drill hole RH5 represents an isolated pod or is part of a larger mineral resource with economic potential.

Close spaced drilling around the RH5 intersection failed to demonstrate significant continuity of the stratabound base metals sulphide mineralisation. However, drilling did intersect thin zones of gold mineralisation in the hangingwall of the main target zone, hosted within altered dacitic lavas of the Central Volcanic Complex in the Mount Read Volcanics.

Total expenditure on the tenement during the report period was \$444,682.

UML intends to continue exploration of EL 8-2009 in 2011-2012 (Year 3 of tenure), focused on gold mineralisation targets. Review of all available exploration data is currently in progress for detailed planning of future work programs.

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- Appendix II                Drill Hole Assays Holes RHD24 – RHD29

**Digital Files**

- EL8\_2009\_201111\_01\_Report.pdf  
(Report text, plus figures included in report)
  
- EL8\_2009\_201111\_02\_AppendixI.pdf  
(Appendix I, drill hole logs, holes RHD24 – RHD29)

## **2.0 INTRODUCTION**

This report details exploration completed by Unity Mining Limited (UML) on EL 8-2009 Red Hills over the past year. Work undertaken included drilling of six diamond drill holes targeting base metal sulphides+gold mineralisation hosted by the Lower Mineralised Horizon within the Central Volcanic Complex of the Mount Read Volcanics. Drilling was concentrated on a close spaced 50 m pattern around the discovery hole RH5, drilled in 1977 by Mount Lyell Mining and Railway Company.

UML intends to continue exploration on the EL in the next 12 months. A full review of results from the recent drilling program is currently in progress. Future diamond drilling in the EL area will possibly require helicopter support.

The EL area is now located entirely within the Mount Murchison Regional Reserve (World Heritage Recommended Area for Protection). Any future exploration activity in the EL area requires assessment by and approval from the Mineral Exploration Working Group (MEWG).

EL 8-2009 Red Hills is due for relinquishment on 15 November 2014.

### **2.1 Location & Access**

EL 8-2009 Red Hills is centred approximately 25 km north of Queenstown in western Tasmania. The western boundary of the EL abuts UML's Henty Gold Mine Lease 7M-1991 (Figure 1).

Access to the EL 8-2009 area from the south is via Henty Anthony Road (B28), the unsealed Howards Road to the Henty mine site, then by mine service road and formed 4WD tracks. The main 4WD track from the Henty mine crosses from the west over Moxon Saddle into the central section of the EL. Alternative access to the eastern section of the EL is possible on foot from a departure point along the Henty Anthony Road (B28) north of Lake Plimsoll.

### **2.2 Tenure**

EL 8-2009 Red Hills, covering 11.0 sq km, was granted to Bendigo Mining Ltd (BML) on 16 November 2009 for a period of five years. The company submitted a successful bid to explore the tenement in accordance with Mineral Resources Tasmania's Exploration Release Areas process. Application for the EL was lodged shortly after BML's acquisition of the Henty gold mine in July 2009. BML announced a change of company name to Unity Mining Ltd (UML) effective from 6 December 2010.

Recent amendment of the Land Tenure classification has resulted in the entire EL area being located within the Mount Murchison Regional Reserve. All exploration activity proposed on the tenement requires assessment by and approval from the Mineral Exploration Working Group (MEWG) prior to commencement. Approval of exploration programs is conditional upon UML meeting the requirements of the Mineral Exploration Code of Practice and all site specific conditions.

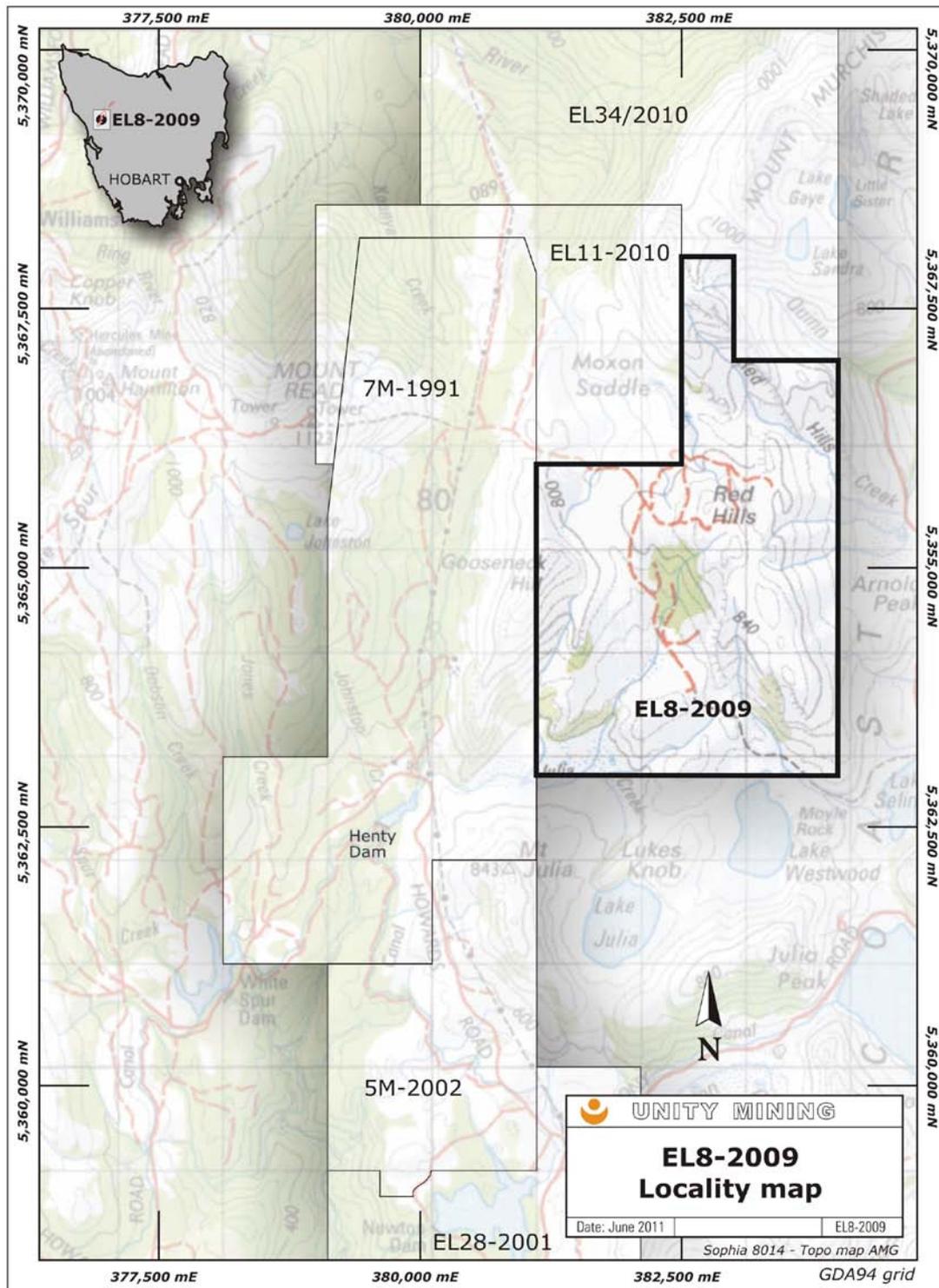


Figure 1: EL 8-2009 Red Hills location map. Other UML tenements in the Henty mine area and adjacent to EL 8-2009 are also shown. Projection is UTM Zone 55 MGA94 co-ordinate system.

### 2.3 Topography Climate and Vegetation

The EL 8-2009 Red Hills area is located at the northern end of the West Coast Range. Elevations range from 607 m AHD at Lake Westwood, immediately to the south of the EL, up to 1275 m AHD at Mount Murchison, north of the tenement area. The distinctive Red Hills in the central section of the EL are up to 850 m AHD in elevation. Snowfalls are frequent during winter months and the area receives very high rainfall. Average rainfall calculated from observations at nearby Mount Read weather station, over the period from 1996 – 2009, is 3086 mm per year.

Low-growing montane vegetation is dominant throughout the EL area. Buttongrass moorland, typical of blanket bog terrain in western Tasmania, is extensively developed on the poorly

drained soils of the area. Some scattered stands of low scrub, mainly banksia, teatree, bauera and eucalypt occur in relatively sheltered and fire resistant areas. Rainforest vegetation, including Myrtle Beech (*Nothofagus cunninghamii*), Deciduous Beech (*Nothofagus gunnii*) and King Billy Pine (*Athrotaxis selaginoides*), is preserved in sheltered gullies in the headwaters of Julia Creek.

### **3.0 GEOLOGY**

#### **3.1 Regional Geology**

A major portion of the EL 8-2009 Red Hills area is underlain by the Cambrian Mount Read Volcanics (MRV), apart from the eastern section of the tenement which covers a thin strip of Late Cambrian - Ordovician Owen Group.

The MRV comprise a package of massive, feldspar-phyric lavas and volcanics, which passes upwards into a mixed sequence of basaltic to rhyolitic lavas, intrusives and volcanics, with intercalated shale and siltstone. In general, there is a transition from feldspar-phyric to strongly quartz-phyric lithologies from the bottom to the top of the sequence. On a regional scale the MRV is divided by the north-northeast – trending Henty Fault. EL 8-2009 Red Hills is located to the east of this major structural feature (Ref. Figures 2A-2B).

The Owen Conglomerate consists of siliciclastic sediments, including large volumes of very coarse siliciclastic conglomerate, which unconformably overlie the MRV. Clasts within the conglomerate are dominantly metaquartzite, derived from the Proterozoic Tyennan basement further to the east, with little or no material from the MRV.

Rocks in the region have been subjected to at least two major polyphase deformations, one in the Cambrian and the other in the Devonian (the latter probably equivalent to the Tabberabberan Orogeny). Evidence of the Devonian deformation is apparent in a regional NNE - striking cleavage and development of west-over-east thrusting on pre-existing, NNE structures and synchronous NW – striking structures.

#### **3.2 Local Geology**

The oldest rocks in the EL 8-2009 Red Hills area are dacitic lavas of the MRV, with intercalated black siltstone and shale (correlated with the Central Volcanic Sequence). These volcanic and volcanoclastic sequences are exposed on the eastern limb of an interpreted south - plunging syncline. Massive, quartz-phyric lavas (Mt Julia Rhyolite) and quartz-phyric volcanoclastic sediments, correlated with the Tyndall Group, occur stratigraphically above the CVC rocks in the keel of the interpreted synclinal structure. These younger rocks are also exposed along the overturned western limb of the syncline, truncated by the Henty Fault in proximity to the Henty mine.

##### **3.2.1 Alteration and Mineralisation**

Two principal styles of mineralisation have been identified in the Red Hills area:

- Stratabound base metal sulphides+gold+silver VMS mineralisation hosted by CVC mass flow units (Lower Mineralised Horizon). Modern exploration has mainly focused on testing for this style of mineralisation following up the discovery intersection in hole RH5. Based on isotopic data, metal ratios and analysis of the alteration assemblages this mineralisation has strong similarities to the Rosebery VHMS system (Purvis, 2010).
- Vein and disseminated copper+gold+magnetite mineralisation associated with chlorite+feldspar alteration of the Red Hills lava. Earliest prospecting and small scale mining activity was concentrated on this type of mineralisation, as at the Northern Adits area.

Thin zones of base metals sulphides+gold mineralisation hosted within black shale and siltstone units in the CVC comprise the Upper Mineralised Horizon (UMH). Recent drilling has also intersected gold mineralisation, associated with pyrite veining in CVC dacitic volcanics, located between the LMH and UMH.

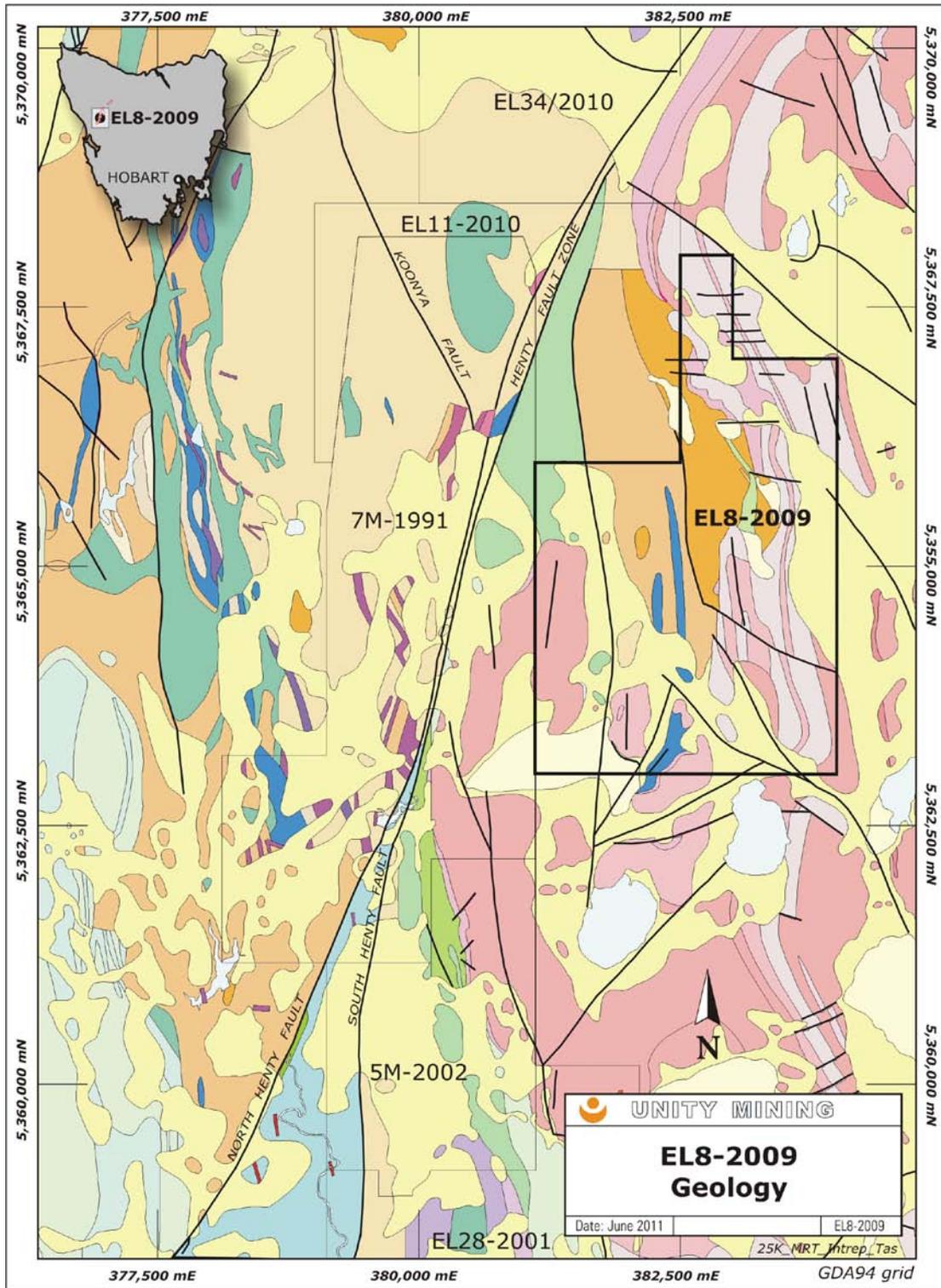


Figure 2A: EL 8-2009 Red Hills interpreted geology map (from 1:25000 MRT). Projection is UTM Zone 55 MGA94 co-ordinate system.

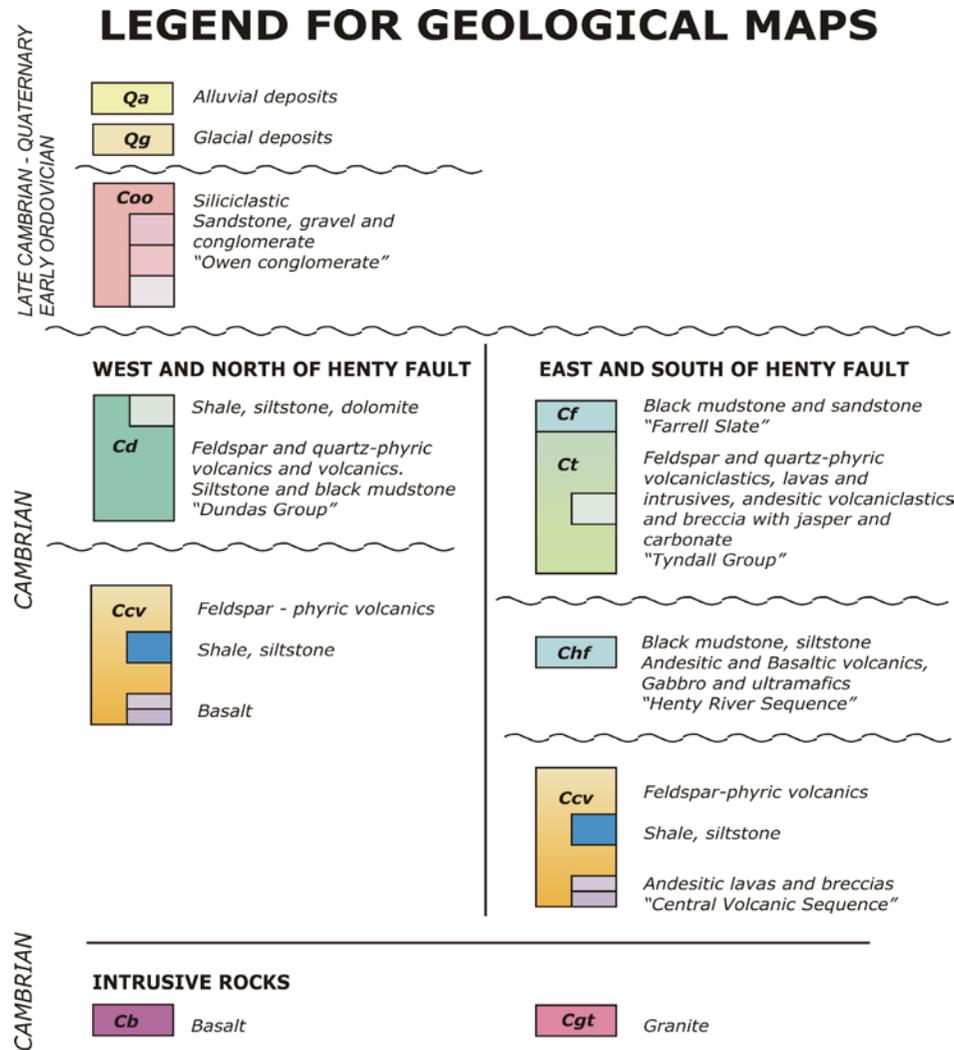


Figure 2B: Legend for geological map

Henty Mine Area Stratigraphy				
	Group	Formation	Unit	Lithologies
Late Cambrian-Ordovician	Owen Group		<i>Owen Conglomerate (OC)</i>	Siliciclastic conglomerate and sandstone
			<i>Newton Creek Sandstone (NCF)</i>	Turbiditic micaceous siltstone, quartzwacke and conglomerate
Cambrian	Tyndall Group (Suite 1)	Zig Zag Hill Formation (ZZH)		Rhyolitic volcanoclastic sediments
				Bedded sandstone-siltstone units
		Comstock Formation		Syn-eruptive quartz-feldspar crystal rich sandstone. Massive quartz-phyric rhyolitic lavas, breccias and intrusions (Mt Julia Rhyolite)
			<i>Mt Julia Member (MJM)</i>	Quartz + feldspar-phyric lava and intrusives
			<i>Upper Howards Basalt Breccia (UHBB)</i>	Fine grained basaltic andesite dykes, lavas and lithic breccias (Howards Basalt). Commonly haematitic and carbonate alteration
			<i>Lynchford Member (LYM)</i>	Syn-eruptive feldspar crystal rich volcanoclastic sandstone.
				Massive carbonate and marly sediments Dacitic volcanoclastic sediments
	Central Volcanic Complex (Suite II)	Anthony Road Volcanics	<i>Suite II Porphyry</i>	Quartz-feldspar-hornblende porphyry. Intrusive sill. Peperitic top and bottom contacts
			<i>Anthony Road Andesite (CVC)</i>	Feldspar-hornblende phyric andesite and breccia, extrusive and intrusive
			<i>Lower Howards Basalt Breccia (LHBB)</i>	
	Central Volcanic Complex (Suite I)	Newton Creek Dacite		Dacitic volcanoclastic pumice breccias
				Dacitic, feldspar-phyric to aphyric lavas, breccias and intrusions. Peperitic contacts
				Dacitic to andesitic volcanoclastic sediments\vitric tuff, minor shale, sandstone
			<i>Spillway Breccia</i>	Coarse polymict and dacitic massflows with some sulphide clasts
			<i>Spillway Basalt Breccia</i>	Massive to stratified clast-supported monomictic basalt breccia 'fire fountain'
Yolande River Sequence		<i>Footwall Pumice Breccia</i>	Rhyolitic-dacitic massflows, commonly graded	
			Bedded vitric siltstone and sandstone	

Figure 3: Henty area stratigraphy

#### **4.0 PREVIOUS EXPLORATION**

Prospecting activity in the Red Hills area commenced in the late 19<sup>th</sup> Century. Several adits and shallow shafts were mined to work near surface copper mineralisation. Mount Lyell Mining and Railway Company acquired all mineral rights over the area in 1905, however this early phase of prospecting and mining activity ceased shortly afterwards.

Modern exploration techniques were first applied in the Red Hills area in the late 1950s. Work by Rio Tinto and Electrolytic Zinc Company, in joint venture, included various geophysical surveys followed up by drilling of four diamond drill holes.

Exploration was undertaken semi-continuously from 1969 – 1985 when the area was included within EL 9/66 held by Mount Lyell Mining and Railway Company. Work was carried out in joint venture with Getty Oil Development Company from 1977. Numerous geophysical surveys were completed in this extended phase of exploration and drilling comprised 26 open hole percussion and 17 diamond drill holes. Massive base metals sulphides were intersected in drill hole RH5 completed by Mt Lyell in early 1977. A mineral resource of 1 Mt at 2 g/t gold, 37 g/t silver, 4.6% zinc and 1.3% lead was estimated based on intersections in this discovery hole and four step-out diamond drill holes. The mineralisation was considered to be open both above and below the intersection in hole RH5.

Geochemical sampling and additional geophysical surveys, including downhole EM surveying of RH5, were undertaken in 1985 – 1993 by CRA Exploration in joint venture with Aberfoyle. Limited diamond drilling follow up was completed. Four additional diamond drill holes were completed in the Red Hills area by Plutonic/Homestake, in joint venture with Goldfields Exploration (later AurionGold, then Placer Dome Asia Pacific).

Newcrest Mining acquired EL 9/2005 over Red Hills in mid 2005. Prior to relinquishing the EL area in 2008 Newcrest completed four deep diamond drill holes (NCT006, NCT007, NCT009 and NCT010). Maximum depth drilled was 792.1m in hole NCT 006. Three of these holes were designed to test at depth in areas of prospective stratigraphy for continuation of the stratabound gold-rich base metal sulphides discovered in hole RH5. One hole (NCT009) was aimed at testing a conceptual gold+copper rich footwall stringer zone within the Red Hills lava of the Central Volcanic Complex.

Descriptions of the extensive exploration activities undertaken throughout the Red Hills area, together with results, are contained in company reports maintained on open file at Mineral Resources Tasmania. A synopsis of the exploration history is included in the appraisal of the Red Hills prospect completed for BML by Purvis (2010).

#### **5.0 WORK COMPLETED (2010 TO 2011)**

During the previous reporting period, an appraisal of the Red Hills prospect was commissioned by BML and completed by J. G. Purvis, consulting geologist. Recommendations from this review (Purvis, 2010) formed the basis for the diamond drilling program undertaken in the current report period. The original scope was for completion of five diamond drill holes, for an estimated total of 1000 m of drilling. The holes were designed to test at 50 m spacing around the RH5 discovery intersection. Alternative drill hole collar locations were also proposed in the review to ensure that environmental impact of site preparation earthworks would be minimised.

##### **5.1 Site Preparation Earthworks**

Earthworks to prepare drill access tracks, pads and sump pits were undertaken by Williams Earthmoving, using a 20 tonne tracked excavator. The work was completed in early January 2011. Drill pads were sited off previously cleared and rehabilitated 4WD tracks and hole collar locations were adjusted to minimise the area of new ground disturbance. Site preparation was completed under close supervision by UML Exploration personnel to ensure that the earthworks conformed to standards of the Mineral Exploration Code of Practice. An above ground sump with silt trap screens was constructed at one of the drill sites, rather than attempting to excavate sump pits in rocky ground.

## 5.2 Diamond Drilling

Diamond drilling, comprising six holes for a total of 1355.0 m, was completed in the EL 8-2009 Red Hills area from 19 January – 21 March 2011. The drilling program was undertaken by contractor Boart Longyear Australia, using a track-mounted BLY LF90 diesel-hydraulic rig. Drill crews assigned to the program worked a five day per week double shift roster. Maximum hole depth drilled was 276.8 m. Drill holes completed in the report period were as follows:

Hole ID	Collar Location and Orientation					Depth (m)
	Easting*	Northing*	RL (m AHD)	Azimuth (deg.)*	Dip (deg.)	
RHD24	382,444.5	5,365,346.3	829.4	88.4	-65.4	208.8
RHD25	382,445.5	5,365,346.3	829.4	88.6	-49.2	189.3
RHD26	382,468.8	5,365,297.2	818.1	88.5	-49.1	181.6
RHD27	382,415.5	5,365,301.0	827.5	89.3	-69.2	244.8
RHD28	382,415.0	5,365,301.0	828.1	90.2	-74.7	276.8
RHD29	382,415.6	5,365,301.6	827.3	114.6	-57.1	253.7

\*Projection UTM Zone 55 MGA94 co-ordinate system.

All holes were drilled from surface with NQ2. Holes were reamed from the collar to solid, relatively fresh rock with HQ2 and a steel collar pipe installed and cemented in. On completion a steel cap was screwed onto the threaded top section of the collar pipe. Hole RHD26 was making water at the surface on completion of drilling. The water flow was stopped by placement of a packer and then cementing the hole column from above the packer to the collar. Regular inspection of the hole since completion of the drilling program indicates that groundwater discharge has been effectively sealed. All holes, other than RHD26, were cased with 40mm UPVC pipe on completion of drilling to allow for downhole geophysical logging as required.

Drill hole collars were surveyed by Tritech Professional Services using a total station theodolite. Drill hole trajectories were measured during drilling operations with a Reflex EZ-Shot® electronic single-shot survey instrument operated by the Boart Longyear crews, with readings of hole azimuth and dip obtained at 30 m intervals as each hole was drilled. Drill bit and barrel configurations were varied as necessary to ensure that the design parameters for each drill hole were followed as accurately as possible.

## 5.3 Drilling Hole Logging & Data Management

All core samples from the drilling program were transported by UML personnel to the Henty mine for marking up and geological logging. Detailed logging was completed in hard copy graphical format. The drill logs record stratigraphy (or major structure), lithology, alteration type and intensity, mineralisation and other attributes (texture, grain size, colour, hardness, state of core, weathering, oxidation etc). A graphical strip log, recording the composition and textural features of the volcanic and volcanoclastic sequences, was also compiled for each drill hole. The drill hole logs were scanned into PDF format on completion. Summary data for each hole were also entered into UML's Henty mine geology digital database. Digital photography of all core samples was completed prior to diamond sawing in preparation for sampling. Samples were photographed in sequence with two core trays per frame. Images are stored in JPEG format on UML's Henty mine computer network.

## 5.4 Sample Preparation & Assaying

Core handling, diamond sawing and sample collection and storage tasks in support of the diamond drilling program were carried out by UML personnel at the Henty mine core shed facility. Split core samples, all halved NQ2 core, were bagged and labelled at the Exploration core shed prior to dispatch to Burnie Research Laboratory (now ALS) at Wivenhoe, Tasmania. Remaining split and whole core samples retained in trays have since been stacked on pallets, wrapped with heavy duty UPVC sheeting secured with metal strapping, and are in storage at the disused Paste Plant on Howards Road near the Henty mine.

Sample preparation and assaying undertaken at Burnie Research Laboratory were as follows:

Preparation:	Sample pulverised in LM5 mill to 80% (nominal) passing 75 micron
FA01 fire assay method:	25 g pulverised sample fired, muffled and digested in aqua regia; AAS finish for gold
AAS01 method:	0.4 g pulverised sample, three acid (hydrochloric, nitric, perchloric) digest, made up to 100 ml volume; AAS finish for silver, copper, lead, zinc, molybdenum, bismuth and arsenic.

Each sample batch included a selection of gold standard sample pulps and feldspar blanks, inserted into the batch at a ratio of one per twenty core samples for quality control. BRL also carried out repeat assaying on selected samples (ie laboratory duplicates) in each batch. Assay data were transferred by email from the laboratory as comma-delimited text files and also in Microsoft Excel® 97-2003 Workbook format. Master pulps from the drill hole samples have been returned from BRL and are stored in cardboard box files in the Exploration core shed at the Henty mine.

## 6.0 RESULTS

The diamond drilling program completed by UML on EL 8-2009 Red Hills in early 2011 was designed to test at nominal 50 m centres around the VHMS intersection in hole RH5. Holes were designed to target intersection points as recommended by Purvis (2010). The overall aim of the drilling program was to resolve whether the VHMS mineralisation in RH5 represents an isolated pod or is part of a larger, irregularly shaped lens with potential as an economic mineral resource. An additional hole, RHD28, was drilled as a follow up to the intersection of base metals sulphides in the fourth hole of the program. Design parameters for the final hole, RHD29, were also changed during the drilling program to test further down plunge to the south of RH5.

Copies of graphical logs for the six drill holes (RHD24 – RHD29) completed by UML are presented in Appendix I. Assay data for all drill core samples are listed in Appendix II, together with assays for QAQC samples.

Results from each of the six diamond drill holes completed are discussed below.

### 6.2 Hole RHD24

The initial hole in UML's program, RHD24, was designed to test nominally 50 m to the north of the RH5 discovery intersection at a similar RL, approximately 685 m AHD. Drilling commenced in weathered and partially oxidized black shale within the CVC. A thick sequence of CVC dacitic and rhyolitic lavas and volcanic breccias, with intercalated volcanoclastic sandstone and breccia, was intersected stratigraphically beneath the black shale. The Lower Mineralised Horizon target was intersected from 184.3 – 197.9 m and comprised intensely silicified, microcrystalline altered rocks, altered (sericite+chlorite+carbonate) dacitic sandstone and moderately foliated, silicified, sericitic, dacitic volcanoclastic breccia. Patchy, minor to common pyrite and sphalerite mineralisation, with traces of galena, was logged throughout the intersection. The hole was stopped at 208.8 m depth in variably altered rhyolitic lava of the CVC.

Assays from half NQ2 core samples representing the LMH were as follows:

Drill Hole RHD24			Assay Data (Length Weighted)				
From (m)	To (m)	Interval (m)*	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)
184.3	197.9	13.6	0.08	43.1	451	315	3,100
LMH includes:							
189.0	190.0	1.0	<0.01	558	1,372	132	602
190.8	192.0	1.2	0.08	5	181	2,061	29,600

**\*Interval is apparent (down hole) thickness.**

Peak gold assay in drill hole RHD24 was 0.55 g/t gold, over an apparent thickness of 1.0 m, from 184.3 – 185.3 m depth. This anomalous assay was from a zone of micro-crystalline silica alteration within the upper section of the LMH.

## **6.2 Hole RHD25**

Hole RHD25 was drilled from the same site as RHD24 at a shallower dip. The hole was aimed at testing the LMH target approximately 50 m to the north and 50 m up dip from the RH5 intersection. As in RHD24 drilling commenced in weathered and partially oxidized black shale and then intersected a sequence of CVC dacitic lavas and hyaloclastites, intermixed with and transitional into feldspar+quartz-phyric volcanoclastic sandstone. However, RHD25 failed to intersect the LMH target. A fault zone from 162.7 – 166.5 m, infilled with intensely oxidized, puggy cataclasite, appears to have removed the LMH. Drilling was stopped at 189.3 m depth in altered rhyolitic lava of the CVC. The only significant assay from RHD25 was 1.17 g/t gold, over an interval of 1.0 m apparent thickness, from 145.0 – 146.0 m depth. The gold mineralisation is hosted by albite altered rhyolitic-dacitic lava, of the CVC, with traces of pyrite as disseminations and irregular veins.

## **6.3 Hole RHD26**

Hole RHD26 was drilled from a site in steep rocky terrain further to the south from the first two holes. The collar location and design parameters, as originally proposed by Purvis (2010), were changed to minimize the area of new ground disturbance required to access and prepare the drill site. Drilling was undertaken using above ground sumps for collection and containment of drilling fluids. A pump was installed to enable re-circulation of drilling fluids from the sumps back to the mud mixing tank on the drill rig. RHD26 was designed to test on the same northing as the RH5 intersection, targeting the LMH nominally 50 m up dip.

The hole commenced in weathered, weakly pyritic black shale, with fresh rock intersected from 7.7 m depth. A thick sequence of CVC dacitic volcanoclastic sandstone and breccia, hyaloclastites and increasing coherent dacitic lavas was intersected stratigraphically beneath the black shale unit. Drilling failed to intersect the LMH target, due either to faulting or possibly a change in the morphology of the adjacent CVC rock units. The CVC rhyolitic lavas in the footwall of the LMH were intersected higher in the hole than expected. Drilling was stopped at 181.6 m depth in strongly chlorite altered rhyolitic lava.

Patchy to massive silica alteration, infilling an interpreted fault zone, assayed 0.26 g/t gold over 2.1 m apparent thickness, from 141.35 – 143.45 m. Several thin zones with elevated zinc assays, to a maximum of 0.78% zinc over 1.0 metre apparent thickness, were also intersected within the hangingwall CVC dacitic lava sequence.

## **6.4 Hole RHD27**

Hole RHD27 was designed to test on the same northing as the RH5 intersection, targeting the LMH nominally 50 m down dip. Drilling commenced in weathered and partially oxidized, foliated, dacitic volcanoclastics or lava of the CVC, with fresh rock intersected from 21.5 m depth. A thick unit of pyritic black shale was intersected from 26.2 – 71.5 m, underlain by a sequence of CVC dacitic lava, volcanic breccia and hyaloclastites, with intercalated volcanoclastic sandstone and breccia. The LMH target, intersected from 208.25 – 226.55 m, comprised intensely silicified, pyritic, micro-crystalline altered rocks, chlorite altered volcanoclastic siltstone and a basal unit of very coarse-grained, pumiceous, dacitic volcanoclastic breccia. Patchy, minor to locally common pyrite and sphalerite, with galena and traces of chalcopyrite, were logged throughout the LMH intersection.

The hole was stopped at 244.8 m depth in locally porphyritic rhyolite lava of the CVC, with chlorite alteration in patches. Down hole survey data indicate that RHD27 deviated significantly from the planned trajectory. As a result drilling intersected the LMH target further north, at a higher RL and closer than planned to the RH5 intersection (approximately 30 m separation).

Assays from half NQ2 core samples representing the LMH were as follows:

Drill Hole RHD27			Assay Data (Length Weighted)				
From (m)	To (m)	Interval (m)*	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)
208.25	226.55	18.3	0.39	5.1	612	3,068	17,945
LMH includes:							
208.25	222.0	13.75	0.52	6.4	696	4,062	23,812
208.25	209.35	1.1	3.76	10.4	664	502	101,150
216.6	218.3	1.7	0.28	13.5	983	17,572	50,329

\*Interval is apparent (down hole) thickness.

Best gold assay in hole RHD27 was 4.59 g/t gold, over an apparent thickness of 1.0 m, from 203.0 - 204.0m in bleached, strongly hydrothermally altered, pumiceous, rhyo-dacitic lava of the CVC sequence in the stratigraphic hangingwall of the LMH.

## 6.5 Hole RHD28

Hole RHD28 was collared from the same site as RHD27 to immediately follow up the intersection of disseminated and semi-massive base metal sulphides in the LMH in RHD27. Drilling was designed to test 50 m down dip on the same northing and midway between thin mineralised intersections in historic holes RHR6 and RH8. Controlled drilling conditions were implemented to ensure that the hole tracked as accurately as possible to the design parameters.

Drilling commenced in weathered and partially oxidized, weakly foliated, dacitic volcanoclastics or possibly lava of the CVC. Base of partial oxidation was recorded at 22.6 m depth. A thick unit of pyritic black shale, with carbonate alteration spotting in possible ashy interbeds, was intersected from 31.6 – 93.35 m. Dacitic volcanoclastics, including some pumiceous sub-units, and increasing coherent dacitic lavas of the CVC were intersected stratigraphically beneath the black shale. The LMH target was intersected from 238.7 – 251.8 m and comprised strongly altered, locally siliceous, crystal-rich volcanoclastic sandstone, hosting minor to common sphalerite and traces of galena, and a basal unit of very coarse-grained, feldspar and lithic-rich, dacitic volcanoclastic breccia.

RHD28 intersected chlorite altered rhyolitic lava and volcanoclastic or lava breccias of the CVC from 251.8 m to the end of hole at 276.8 m.

Assays from half NQ2 core samples representing the LMH were as follows:

Drill Hole RHD28			Assay Data (Length Weighted)				
From (m)	To (m)	Interval (m)*	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)
238.7	251.8	13.1	0.03	4.7	430	2,593	14,532
LMH includes:							
239.0	243.0	4.0	0.03	4.7	668	867	35,875

\*Interval is apparent (down hole) thickness.

A peak gold assay of 8.19 g/t gold, over an apparent thickness of 0.9 m from 227.1 – 228.0 m, was reported. The gold mineralisation is hosted by silica altered dacitic lava, within the CVC in the stratigraphic hangingwall of the LMH, with vein form pyrite mineralisation, sparse chalcopyrite and traces of galena.

## 6.6 Hole RHD29

The final hole in the program, RHD29, was drilled from the same site as holes RHD27 and RHD28. Design parameters for RHD29 were changed from the original plan to target the LMH further down plunge to the south of the RH5 intersection. Controlled drilling conditions were implemented to ensure that the hole followed the planned trajectory as accurately as possible.

RHD29 collared in weathered and partially oxidized, weakly foliated, dacitic volcanoclastics or possible lava of the CVC. Fresh rock was logged from 22.6 m depth. A thick unit of pyritic black shale and minor siltstone was intersected from 22.5 – 87.3 m, with fresh rock drilled from 35.55 m depth. Dacitic volcanoclastics, dominantly sandstone, were intersected stratigraphically beneath the black shale, underlain in turn by coherent dacitic lavas and minor lava breccias. The LMH target was intersected from 218.9 – 233.6 m and comprised altered, silicified, volcanoclastic siltstone and a thick basal unit of very coarse-grained, pumiceous, volcanoclastic breccia to volcanomict conglomerate. Weak sulphide mineralisation, mainly sparse to minor pyrite and patchy minor sphalerite, was noted in the hangingwall section of this LMH intersection.

The hole was stopped at 253.7 m depth in variably altered rhyolitic volcanoclastic conglomerate and coherent rhyolitic lava of the CVC.

Assay results from half NQ2 core samples representing the LMH were as follows:

Drill Hole RHD29			Assay Data (Length Weighted)				
From (m)	To (m)	Interval (m)*	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)
218.9	233.6	14.7	0.16	1.8	74	244	2,647
LMH includes:							
223.0	226.7	3.7	0.16	1.8	49	157	6,351

\*Interval is apparent (down hole) thickness.

The LMH intersection in RHD29 includes an assay of 0.68 g/t gold, over 1.0m apparent thickness, from 228.0 - 229.0m. Rocks in the hangingwall sequence of the LMH in this hole are only weakly altered, particularly in comparison to the CVC sequence intersected in RHD27. Alteration and sulphide mineralisation within the LMH in RHD29 are also only weakly developed. There was no evidence of the silica alteration zones in the CVC hangingwall of the LMH which in several nearby holes host gold mineralisation.

## 7.0 CONCLUSIONS

Results from UML's diamond drilling program, completed in early 2011, confirm that the VHMS mineralisation in historical hole RH5 represents a small, irregularly shaped lens with limited potential as an economic mineral resource. Holes aimed at testing up dip from the RH5 intersection failed to intersect the target LMH host, due to faulting or localized changes in morphology of the adjacent CVC sequences. Only one hole, RHD27, intersected relatively strong base metal sulphide mineralisation in the LMH. The intersection includes an upper zone, of 13.75 m apparent thickness, with length weighted average assays of 0.52 g/t gold, 6 g/t silver, 0.41% lead and 2.38% zinc. Peak gold assay within this LMH intersection was 3.76 g/t gold (10 g/t silver and 10.11% zinc) over 1.1 m apparent thickness.

Drilling intersected several thin zones of gold mineralisation hosted in silica altered dacitic lavas located in the stratigraphic hangingwall of the LMH. Best results were as follows:

- RHD25 1.0 m apparent thickness assaying 1.17 g/t gold
- RHD27 1.0 m apparent thickness assaying 4.59 g/t gold
- RHD28 0.9 m apparent thickness assaying 8.19 g/t gold.

A complete review of all exploration data for the EL area is required to gain a better understanding of the geological setting, extent, grade continuity and resource potential of the gold mineralisation. Data compilation, validation and interpretation are currently in progress.

**8.0 EXPENDITURE FOR 2010/11**

Expenditure by UML on EL 8-2009 for the year ended 15 November 2011 was \$444,682, as follows:

<b>Expenditure Item</b>	<b>\$</b>
Roads and tracks (drill site earthworks)	24,193
Drilling	246,028
Personnel	130,792
Geochemistry (drill hole samples)	30,830
Site rehabilitation	12,839
<b>Total</b>	<b>444,682</b>

**9.0 PLANNED WORK AND EXPENDITURE FOR 2011/12**

Detailed planning of exploration activities for completion in the next 12 months period is still being finalised. However, only limited geochemical or geophysical surveying and geological mapping activities are anticipated. Work will focus on target generation and drill testing of the gold mineralisation intersected in several of UML's recent drill holes. The mineralisation is hosted in silica altered rocks located in the stratigraphic hangingwall of the LMH. Two additional diamond drill holes are envisaged, possibly requiring helicopter support.

Estimated expenditure on EL 8-2009 Red Hills in the 12 months report period, ending 15 November 2012, is \$180,000. Diamond drilling is planned for completion in April – May 2012.

## 10.0 REFERENCES

CALLAGHAN, T.; VICARY, M. 2001. 2000 – 2001 Annual Report Tasmanian Gold Project Red Hills EL29/94. Goldfields Exploration Proprietary Limited. Unpublished Company Report to Mineral Resources Tasmania.

KITTO, J. 2007. Annual Report EL9/2005 Red Hills For Period 1st July 2006 – 30th May 2007. Newcrest Mining Limited. Unpublished Company Report to Mineral Resources Tasmania.

KITTO, J. 2008. Annual Report EL9/2005 Red Hills For Period 1st July 2007 – 30th May 2008. Newcrest Mining Limited. Unpublished Company Report to Mineral Resources Tasmania.

LORRIGAN, A. 2010. EL 8/2009 Red Hills Annual Report for the Period 16th November 2009 to 15th October 2010. Bendigo Mining Limited. Unpublished Company Report to Mineral Resources Tasmania.

McPHIE, J.; DOYLE, M.; ALLEN, R. 1993. Volcanic Textures: A Guide to the Interpretation of Textures in Volcanic Rocks. University of Tasmania. Centre for Ore Deposit and Exploration Studies.

PURVIS, J. G. 2010. An Appraisal of the Red Hills Prospect Tasmania. Bendigo Mining Limited. Unpublished Company Report.

SEYMOUR, D. B.; GREEN, G. R.; CALVER, C. R. 2007. The Geology and Mineral Deposits of Tasmania: a summary. Bulletin Geological Survey Tasmania 72.

TEDDER, I. J.; FITZPATRICK, N. J.; MORRISON, K. 2006. Annual Report EL9/2005 Red Hills For Period 1st July 2005 – 30th May 2006. Newcrest Mining Limited. Unpublished Company Report to Mineral Resources Tasmania.

TEDDER, I. J.; KITTO, J.; FITZPATRICK, N. J. 2008. Final Report EL9/2005 Red Hills For Period 1st July 2005 – 30th June 2008. Newcrest Mining Limited. Unpublished Company Report to Mineral Resources Tasmania.

VICARY, M.; CALLAGHAN, T. 2002. 2001 – 2002 Annual Report Tasmanian Gold Project Red Hills EL29/1994. Aurion Gold Exploration Proprietary Limited. Unpublished Company Report to Mineral Resources Tasmania.

VICARY, M. 2003. 2003 Final Report Red Hills EL29/1994. Placer Dome Asia Pacific. Unpublished Company Report to Mineral Resources Tasmania.

**APPENDIX IA**

**DRILL HOLE LOGS**

**Hole RHD24**

**APPENDIX IB**

**DRILL HOLE LOGS**

**Hole RHD25**

**APPENDIX IC**

**DRILL HOLE LOGS**

**Hole RHD26**

**APPENDIX ID**

**DRILL HOLE LOGS**

**Hole RHD27**

**APPENDIX IE**

**DRILL HOLE LOGS**

**Hole RHD28**

**APPENDIX IF**

**DRILL HOLE LOGS**

**Hole RHD29**

**APPENDIX II**

**DRILL HOLE ASSAYS**

**Holes RHD24 – RHD29**



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Unity Mining Limited													
SUBMITTED : 11/02/2011													
REPORTED : 24/02/2011													
Drill Hole: RHD24													
Sample ID	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Bi ppm	As ppm	From (m)	To (m)	Int. (m)	Core Size	Stratigraphy/lithology/alteration
1421	0.01	2	47	492	1421	14	26	29	16.80	17.70	0.90	NQ2	CVC black shale; 10 cm qtz vein, minor sphal.
1422	-0.01	3	39	340	332	11	32	137	17.70	18.80	1.10	NQ2	CVC black shale.
1423	-0.01	7	44	228	299	35	86	699	18.80	19.20	0.40	NQ2	CVC black shale; 60-70% py., with carbonate.
1424	-0.01	1	20	86	654	9	59	79	19.20	19.80	0.60	NQ2	CVC dacitic volcanoclastic breccia.
1425	-0.01	2	28	155	641	13	46	185	19.80	21.00	1.20	NQ2	CVC dacitic volcanoclastic breccia.
1426	-0.01	1	23	115	454	4	34	58	21.00	22.00	1.00	NQ2	CVC dacitic volcanoclastic breccia.
1427	0.02	1	17	91	324	2	27	-10	22.00	23.00	1.00	NQ2	CVC dacitic volcanoclastic breccia.
1428	0.01	2	39	555	221	2	46	72	23.00	24.00	1.00	NQ2	CVC dacitic volcanoclastic breccia.
1429	-0.01	3	20	608	584	5	60	48	24.00	25.00	1.00	NQ2	CVC dacitic volcanoclastic breccia.
1430	0.01	5	51	1540	575	3	56	63	25.00	26.10	1.10	NQ2	CVC dacitic volcanoclastic breccia.
1431	-0.01	1	20	462	349	3	36	14	26.10	27.00	0.90	NQ2	CVC feldspar crystal-rich volcanoclastic sandstone.
1432	-0.01	1	20	431	80	3	34	36	27.00	28.00	1.00	NQ2	CVC feldspar crystal-rich volcanoclastic sandstone.
1433	-0.01	2	20	654	164	2	34	15	28.00	29.00	1.00	NQ2	CVC feldspar crystal-rich volcanoclastic sandstone.
1434	-0.01	-1	12	47	74	2	38	-10	29.00	30.00	1.00	NQ2	CVC feldspar crystal-rich volcanoclastic sandstone.
1435	-0.01	1	18	92	79	4	33	28	30.00	31.00	1.00	NQ2	CVC feldspar crystal-rich volcanoclastic sandstone.
1436	-0.01	-1	18	143	81	3	32	10	31.00	32.00	1.00	NQ2	CVC feldspar crystal-rich volcanoclastic sandstone.
1437	0.02	1	40	230	225	5	40	15	32.00	33.00	1.00	NQ2	CVC feldspar crystal-rich volcanoclastic sandstone.
1438	-0.01	-1	15	19	204	2	20	21	65.00	66.00	1.00	NQ2	CVC pebbly rhyolitic volcanoclastic breccia.
1439	-0.01	-1	12	53	392	4	37	-10	66.00	67.00	1.00	NQ2	CVC bleached, disrupted ?volcanoclastic.
1441	-0.01	1	13	129	310	1	26	-10	67.00	68.00	1.00	NQ2	CVC bleached, disrupted ?volcanoclastic.
1442	-0.01	1	63	163	244	2	40	42	68.00	69.00	1.00	NQ2	CVC rhyolitic volcanoclastic sandstone to conglomerate.
1443	-0.01	1	18	54	102	4	43	86	69.00	70.00	1.00	NQ2	CVC rhyolitic volcanoclastic sandstone to conglomerate.
1444	-0.01	1	7	28	168	3	36	15	76.00	76.80	0.80	NQ2	CVC rhyolitic volcanoclastic sandstone to conglomerate.
1445	-0.01	-1	11	34	173	5	29	49	76.80	77.20	0.40	NQ2	CVC strongly bleached, vughy volcanoclastic.
1446	0.02	-1	6	20	178	6	32	36	77.20	78.00	0.80	NQ2	CVC rhyolitic volcanoclastic breccia.
1447	-0.01	1	13	93	238	7	36	10	84.00	85.00	1.00	NQ2	CVC rhyolitic volcanoclastic breccia.
1448	-0.01	-1	24	78	303	4	26	34	85.00	86.00	1.00	NQ2	CVC bleached rhyolitic volcanoclastic breccia.
1449	-0.01	-1	38	43	193	2	32	46	86.00	87.00	1.00	NQ2	CVC bleached rhyolitic volcanoclastic breccia.
1450	-0.01	-1	20	36	350	-1	34	11	87.00	87.80	0.80	NQ2	CVC bleached rhyolitic volcanoclastic breccia.
12701	-0.01	-1	6	20	150	4	39	11	111.00	112.00	1.00	NQ2	CVC rhyolitic volcanoclastic sandstone.
12702	-0.01	1	13	106	223	3	36	60	112.00	113.00	1.00	NQ2	CVC rhyolitic volcanoclastic sandstone.
12703	-0.01	1	8	123	183	2	27	13	113.00	114.00	1.00	NQ2	CVC rhyolitic volcanoclastic sandstone.
12704	-0.01	-1	7	83	123	4	26	34	114.00	115.00	1.00	NQ2	CVC rhyolitic volcanoclastic sandstone.
12705	-0.01	-1	11	10	67	5	25	57	126.00	127.00	1.00	NQ2	CVC rhyolitic volcanoclastic sandstone.
12706	-0.01	-1	14	33	99	6	31	43	138.00	139.00	1.00	NQ2	CVC dacitic volcanoclastic breccia.
12707	-0.01	1	11	38	108	7	28	51	154.00	155.00	1.00	NQ2	CVC dacitic volcanoclastic breccia.
12708	-0.01	-1	9	24	151	1	38	42	155.00	156.20	1.20	NQ2	CVC dacitic volcanoclastic breccia.
12709	-0.01	1	11	33	158	1	35	48	156.20	157.00	0.80	NQ2	Fault zone; broken ground, with trace py. + galena.
12711	-0.01	1	18	515	494	2	27	27	157.00	157.80	0.80	NQ2	Fault zone; broken ground, with trace py. + galena.

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12712	0.21	1	138	93	392	-1	36	55	157.80	159.00	1.20	NQ2	CVC dacitic to andesitic lava.
12713	0.17	1	64	57	141	-1	39	73	159.00	160.00	1.00	NQ2	CVC dacitic to andesitic lava.
12714	-0.01	1	46	67	237	21	60	88	181.50	182.50	1.00	NQ2	CVC dacitic to andesitic lava.
12715	0.05	11	2388	1882	933	49	84	78	182.50	183.55	1.05	NQ2	CVC dacitic to andesitic lava.
12716	0.10	1	53	176	130	-1	33	103	183.55	184.30	0.75	NQ2	CVC bleached, silicified dacitic to andesitic lava.
12717	0.55	4	1063	424	1984	46	38	63	184.30	185.30	1.00	NQ2	CVC micro-crystalline silica rock; 5% py. + cpy., gal. + sphal.
12718	0.13	2	256	229	556	24	27	69	185.30	185.80	0.50	NQ2	CVC micro-crystalline silica rock; 5% py. + cpy., gal. + sphal.
12719	0.02	2	381	127	687	43	28	15	185.80	187.00	1.20	NQ2	CVC massive, intensely silicified rock.
12720	-0.01	1	165	337	978	34	25	-10	187.00	188.00	1.00	NQ2	CVC massive, intensely silicified rock.
12721	-0.01	2	1116	84	255	23	29	-10	188.00	189.00	1.00	NQ2	CVC massive, intensely silicified rock.
12722	-0.01	558	1372	132	602	14	33	10	189.00	190.00	1.00	NQ2	CVC massive, intensely silicified rock.
12723	0.10	3	80	374	814	22	32	46	190.00	190.80	0.80	NQ2	CVC massive, intensely silicified rock.
12724	0.08	5	181	2061	29600	16	62	90	190.80	192.00	1.20	NQ2	CVC sheared sericite-chlorite-carbonate altered rock.
12725	0.05	3	981	55	205	1	65	52	192.00	192.80	0.80	NQ2	CVC sheared sericite-chlorite-carbonate altered rock.
12726	0.07	2	221	81	215	-1	54	91	192.80	194.00	1.20	NQ2	CVC foliated dacitic volcanoclastic breccia.
12727	0.19	2	179	66	97	1	39	24	194.00	195.00	1.00	NQ2	CVC foliated dacitic volcanoclastic breccia.
12728	0.03	1	155	36	152	35	29	10	195.00	196.00	1.00	NQ2	CVC foliated dacitic volcanoclastic breccia.
12729	-0.01	1	138	14	292	7	30	14	196.00	197.00	1.00	NQ2	CVC foliated dacitic volcanoclastic breccia.
12731	0.01	1	39	16	123	4	26	24	197.00	197.90	0.90	NQ2	CVC foliated dacitic volcanoclastic breccia.
12732	-0.01	1	100	74	162	-1	26	-10	197.90	199.00	1.10	NQ2	CVC aphyric rhyolite; patchy chlorite-sulphide alteration.
12733	-0.01	1	207	54	298	-1	30	-10	199.00	200.00	1.00	NQ2	CVC aphyric rhyolite; patchy chlorite-sulphide alteration.
12734	0.06	1	94	27	124	-1	23	-10	200.00	201.00	1.00	NQ2	CVC aphyric rhyolite; patchy chlorite-sulphide alteration.
12735	-0.01	1	39	21	79	-1	34	10	201.00	202.00	1.00	NQ2	CVC aphyric rhyolite; patchy chlorite-sulphide alteration.
12736	-0.01	-1	39	129	66	-1	19	-10	202.00	203.00	1.00	NQ2	CVC aphyric rhyolite; patchy chlorite-sulphide alteration.
12737	-0.01	1	142	28	70	-1	22	16	203.00	204.00	1.00	NQ2	CVC aphyric rhyolite; patchy chlorite-sulphide alteration.
12738	-0.01	1	187	218	65	2	25	10	204.00	205.00	1.00	NQ2	CVC aphyric rhyolite; patchy chlorite-sulphide alteration.
12739	0.01	1	64	210	54	2	17	24	205.00	206.00	1.00	NQ2	CVC aphyric rhyolite; patchy chlorite-sulphide alteration.
12740	0.01	1	146	130	83	-1	17	33	206.00	207.00	1.00	NQ2	CVC aphyric rhyolite; patchy chlorite-sulphide alteration.
12741	0.01	1	277	203	82	-1	13	-10	207.00	208.00	1.00	NQ2	CVC aphyric rhyolite; patchy chlorite-sulphide alteration.
12742	-0.01	1	1057	263	61	-1	12	-10	208.00	208.80	0.80	NQ2	CVC aphyric rhyolite; patchy chlorite-sulphide alteration.
1420	-0.01	-1	4	14	6	1	13	-10	Blank	N/A		N/A	Feldspar blank
1440	5.66	1	60	67	79	2	42	52	Standard	N/A		N/A	SL51 standard (5.909 ppm Au)
12710	3.46	-1	7	39	17	-1	15	60	Standard	N/A		N/A	HiSilk2 standard (3.474 ppm Au)
12730	1.03	1	23	50	51	-1	38	-10	Standard	N/A		N/A	SG40 standard (0.976 ppm Au)
Laboratory Duplicates:													
Sample ID	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Bi ppm	As ppm					
1433	-0.01	n/a											
1442	n/a	1.00	63.00	175.00	250.00	-1.00	39.00	53.00					
12704	-0.01	n/a											
12714	n/a	1.00	44.00	70.00	233.00	20.00	55.00	81.00					
12725	0.04	n/a											
12728	n/a	1.00	157.00	43.00	155.00	29.00	29.00	-10.00					
12742	n/a	1	1042	254	63	-1	11	-10					

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Unity Mining Limited													
SUBMITTED : 17/02/2011													
REPORTED : 04/03/2011													
Drill Hole: RHD25													
Sample ID	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Bi ppm	As ppm	From (m)	To (m)	Int. (m)	Core Size	Stratigraphy/lithology/alteration
12940	-0.01	3	221	366	489	8	36	90	15.00	16.20	1.20	NQ2	CVC black shale; common py. increasing near contact.
12941	0.04	8	363	316	712	21	65	586	16.20	16.55	0.35	NQ2	CVC black shale; common py. increasing near contact.
12942	-0.01	3	126	233	1403	5	45	102	16.55	17.00	0.45	NQ2	CVC peperitic dacite; minor to common py.
12943	-0.01	1	185	262	442	9	36	32	57.00	58.00	1.00	NQ2	CVC dacitic lava.
12944	-0.01	1	40	37	97	4	21	38	58.00	59.00	1.00	NQ2	Quartz vein; broken, oxidised, vughy quartz; minor py.
12945	-0.01	-1	38	32	94	3	19	23	59.00	59.50	0.50	NQ2	Quartz vein; broken, oxidised, vughy quartz; minor py.
12946	-0.01	1	55	59	229	3	38	47	59.50	60.50	1.00	NQ2	CVC silicified, dacitic hyaloclastite or volcanoclastic.
12947	0.42	5	544	85	85	8	48	133	141.00	142.00	1.00	NQ2	CVC rhyolitic-dacitic lava; trace to sparse py.
12948	0.12	3	2716	63	131	7	50	140	142.00	143.00	1.00	NQ2	CVC rhyolitic-dacitic lava; trace to sparse py.
12949	0.08	1	259	32	75	5	32	117	143.00	144.00	1.00	NQ2	CVC rhyolitic-dacitic lava; trace to sparse py.
12950	0.06	1	178	48	37	5	33	83	144.00	145.00	1.00	NQ2	CVC rhyolitic-dacitic lava; trace to sparse py.
12951	1.17	3	634	76	50	6	50	138	145.00	146.00	1.00	NQ2	CVC rhyolitic-dacitic lava; trace to sparse py.
12952	0.04	2	374	38	55	4	39	97	146.00	147.00	1.00	NQ2	CVC rhyolitic-dacitic lava; trace to sparse py.
12953	0.12	1	954	30	132	4	32	89	147.00	148.00	1.00	NQ2	CVC rhyolitic-dacitic lava; trace to sparse py.
12954	0.05	2	323	57	249	7	45	141	148.00	149.00	1.00	NQ2	CVC rhyolitic-dacitic lava; trace to sparse py.
12955	0.04	1	212	44	236	5	53	97	149.00	149.90	0.90	NQ2	CVC rhyolitic-dacitic lava; trace to sparse py.
12956	0.04	2	155	56	312	5	47	78	149.90	151.00	1.10	NQ2	CVC sericitised, quartz+feldspar-phyric sandstone or lava.
12957	0.12	3	359	107	232	11	74	149	151.00	152.00	1.00	NQ2	CVC sericitised, quartz+feldspar-phyric sandstone or lava.
12958	-0.01	1	80	35	418	3	53	42	152.00	153.00	1.00	NQ2	CVC sericitised, quartz+feldspar-phyric sandstone or lava.
12959	-0.01	1	242	49	377	1	25	48	153.00	154.00	1.00	NQ2	CVC sericitised, quartz+feldspar-phyric sandstone or lava.
12961	-0.01	1	81	18	312	5	42	34	154.00	155.00	1.00	NQ2	CVC sericitised, quartz+feldspar-phyric sandstone or lava.
12962	-0.01	1	47	12	80	1	26	53	155.00	156.10	1.10	NQ2	CVC sericitised, quartz+feldspar-phyric sandstone or lava.
12963	0.11	4	340	174	544	8	78	250	156.10	157.30	1.20	NQ2	CVC sericitised, quartz+feldspar-phyric sandstone or lava.
12964	-0.01	2	130	249	115	11	31	96	157.30	158.30	1.00	NQ2	CVC leached, oxidised, rhyolitic-dacitic lava.
12965	-0.01	2	172	143	181	8	31	101	158.30	159.30	1.00	NQ2	CVC leached, oxidised, rhyolitic-dacitic lava.
12966	0.04	3	578	416	1564	12	34	105	159.30	160.30	1.00	NQ2	CVC leached, oxidised, rhyolitic-dacitic lava.
12967	0.04	3	327	596	474	7	32	51	160.30	161.10	0.80	NQ2	CVC leached, oxidised, rhyolitic-dacitic lava.
12968	0.03	2	569	761	1442	5	48	70	163.70	164.90	1.20	NQ2	Fault/cataclastite; trace disseminated py.
12969	-0.01	2	1915	73	79	5	22	10	164.90	165.30	0.40	NQ2	Fault/cataclastite; trace disseminated py.
12970	-0.01	1	715	225	88	3	40	21	165.30	166.50	1.20	NQ2	Fault/cataclastite; trace disseminated py.
12971	-0.01	1	389	95	75	6	39	31	166.50	167.00	0.50	NQ2	CVC rhyolite breccia; minor sulphides.
12972	-0.01	1	127	64	29	7	21	24	167.00	168.00	1.00	NQ2	CVC rhyolite breccia; minor sulphides.
12973	0.02	1	84	30	33	10	33	33	168.00	169.00	1.00	NQ2	CVC rhyolite breccia; minor sulphides.
12974	-0.01	1	33	25	37	11	33	27	169.00	170.00	1.00	NQ2	CVC rhyolite breccia; minor sulphides.

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12975	-0.01	1	291	199	30	8	41	44	170.00	171.00	1.00	NQ2	CVC rhyolite breccia; minor sulphides.
12976	-0.01	2	682	244	84	9	59	53	171.00	172.00	1.00	NQ2	CVC rhyolite breccia; minor sulphides.
12977	-0.01	1	113	136	94	7	67	61	172.00	173.00	1.00	NQ2	CVC sericitised volcanoclastic; trace py.
12978	-0.01	1	394	76	46	3	35	47	173.00	174.00	1.00	NQ2	CVC sericitised volcanoclastic; trace py.
12939	-0.01	-1	12	75	7	-1	7	38	Blank	N/A		N/A	Feldspar blank
12960	5.63	2	306	72	86	8	62	74	Standard	N/A		N/A	SL51 standard (5.909 ppm Au)
12979	-0.01	-1	13	10	2	5	9	-10	Blank	N/A		N/A	Feldspar blank
12980	1.01	1	105	42	44	10	44	11	Standard	N/A		N/A	SG40 standard (0.976 ppm Au)

Laboratory Duplicates:

Sample ID	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Bi ppm	As ppm
12947	0.46	n/a						
12951	1.17	n/a						
12959	-0.01	1	232	38	366	3	19	61
12980	n/a	1	106	47	46	8	41	-10

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Unity Mining Limited													
SUBMITTED : 11/03/2011													
REPORTED : 18/03/2011													
Drill Hole: RHD26													
Sample ID	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Bi ppm	As ppm	From (m)	To (m)	Int. (m)	Core Size	Stratigraphy/lithology/alteration
13093	0.01	3	44	370	733	6	34	199	17.00	18.00	1.00	NQ2	CVC black carbonaceous shale.
13094	-0.01	7	57	1037	3786	11	27	217	18.00	18.75	0.75	NQ2	CVC black carbonaceous shale.
13095	-0.01	5	29	538	2922	17	28	342	18.75	19.00	0.25	NQ2	CVC dacitic volcanoclastic breccia; 25-30% py.
13096	-0.01	2	23	125	381	3	25	109	19.00	20.00	1.00	NQ2	CVC dacitic volcanoclastic breccia; trace sphalerite.
13097	-0.01	1	12	28	187	3	26	38	20.00	21.00	1.00	NQ2	CVC dacitic volcanoclastic breccia; trace sphalerite.
13098	-0.01	2	10	266	274	2	23	67	21.00	22.00	1.00	NQ2	CVC dacitic volcanoclastic breccia; trace sphalerite.
13099	-0.01	2	11	196	445	3	21	36	22.00	23.00	1.00	NQ2	CVC dacitic volcanoclastic breccia; trace sphalerite.
13100	-0.01	1	12	76	551	2	21	169	38.00	39.00	1.00	NQ2	CVC dacitic volcanoclastic breccia.
13101	-0.01	5	19	722	1682	4	23	1089	39.00	39.35	0.35	NQ2	CVC dacitic volcanoclastic breccia.
13102	-0.01	4	21	526	1363	4	25	1102	39.35	40.00	0.65	NQ2	CVC dacitic volcanoclastic breccia; locally s.m. py.
13103	-0.01	5	26	644	1331	6	26	2121	40.00	41.00	1.00	NQ2	CVC dacitic volcanoclastic breccia; locally s.m. py.
13105	0.04	3	25	464	912	2	15	404	41.00	41.60	0.60	NQ2	CVC dacitic volcanoclastic breccia; locally s.m. py.
13106	-0.01	1	45	39	5590	1	19	100	82.00	83.00	1.00	NQ2	CVC dacitic lava; sparse sphalerite+trace py.
13107	-0.01	1	19	45	1798	1	17	93	83.00	84.00	1.00	NQ2	CVC dacitic lava; sparse sphalerite+trace py.
13108	-0.01	1	25	234	2764	2	19	104	84.00	85.00	1.00	NQ2	CVC dacitic lava; sparse sphalerite+trace py.
13109	-0.01	1	34	168	3994	2	17	224	85.00	86.00	1.00	NQ2	CVC dacitic lava; sparse sphalerite+trace py.
13110	-0.01	1	13	14	977	2	12	72	97.00	98.00	1.00	NQ2	CVC leached, vughy dacitic lava; sparse py.
13111	0.47	1	113	51	6260	3	17	122	98.00	99.00	1.00	NQ2	CVC leached, vughy dacitic lava; sparse py.
13112	0.49	1	106	57	6160	4	15	97	99.00	100.00	1.00	NQ2	CVC leached, vughy dacitic lava; sparse py.
13113	0.20	1	77	23	3632	2	14	73	100.00	101.00	1.00	NQ2	CVC leached, vughy dacitic lava; sparse py.
13114	0.13	1	39	54	1039	3	18	93	101.00	102.00	1.00	NQ2	CVC dacitic lava; sparse py.+trace sphalerite.
13115	0.03	1	57	42	1262	3	19	163	102.00	103.00	1.00	NQ2	CVC dacitic lava.
13116	0.18	1	81	52	1278	1	17	91	103.00	104.00	1.00	NQ2	CVC dacitic lava.
13117	0.13	1	27	25	562	1	22	92	104.00	105.00	1.00	NQ2	CVC dacitic lava.
13118	0.08	1	8	39	204	2	20	90	105.00	106.00	1.00	NQ2	CVC dacitic lava.
13119	0.03	1	136	177	7830	2	22	76	120.00	121.00	1.00	NQ2	CVC dacitic lava; trace py.+rare trace sphalerite.
13120	-0.01	1	23	98	2078	2	17	87	121.00	121.90	0.90	NQ2	CVC dacitic lava; trace py.+rare trace sphalerite.
13121	-0.01	1	22	145	401	3	13	73	121.90	123.00	1.10	NQ2	CVC oxidised, altered dacitic lava; trace py.+Fe oxides.
13122	-0.01	1	7	82	301	4	11	77	123.00	124.00	1.00	NQ2	CVC oxidised, altered dacitic lava; trace py.+Fe oxides.
13123	-0.01	1	28	67	324	11	11	77	124.00	125.00	1.00	NQ2	CVC oxidised, altered dacitic lava; trace py.+Fe oxides.
13124	-0.01	1	58	81	159	3	11	60	125.00	126.00	1.00	NQ2	CVC oxidised, altered dacitic lava; trace py.+Fe oxides.
13125	-0.01	1	30	87	65	3	16	57	126.00	127.00	1.00	NQ2	CVC oxidised, altered dacitic lava; trace py.+Fe oxides.
13126	0.01	1	24	97	73	3	16	85	127.00	127.30	0.30	NQ2	CVC oxidised, altered dacitic lava; trace py.+Fe oxides.
13127	-0.01	1	14	56	178	2	17	49	127.30	128.00	0.70	NQ2	CVC altered spherulitic dacitic lava.
13128	0.01	1	24	83	881	3	20	80	128.00	129.00	1.00	NQ2	CVC altered spherulitic dacitic lava.
13129	-0.01	1	31	160	312	5	24	126	129.00	130.00	1.00	NQ2	CVC altered spherulitic dacitic lava.
13130	-0.01	1	10	22	102	5	21	40	130.00	131.00	1.00	NQ2	CVC altered spherulitic dacitic lava.
13131	-0.01	1	12	40	87	5	17	77	131.00	132.00	1.00	NQ2	CVC altered spherulitic dacitic lava.
13133	0.03	1	15	30	76	5	17	80	132.00	133.00	1.00	NQ2	CVC altered spherulitic dacitic lava.



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13134	0.01	1	18	42	79	3	22	104	133.00	134.00	1.00	NQ2	CVC altered spherulitic dacitic lava.
13135	-0.01	1	9	11	67	3	22	71	134.00	135.00	1.00	NQ2	CVC altered spherulitic dacitic lava.
13136	-0.01	1	20	26	102	5	21	92	135.00	136.00	1.00	NQ2	CVC altered spherulitic dacitic lava.
13137	-0.01	1	26	61	165	7	29	104	136.00	136.50	0.50	NQ2	CVC altered spherulitic dacitic lava.
13138	-0.01	1	14	27	116	5	22	90	136.50	137.00	0.50	NQ2	CVC altered volcanic or volcanoclastic breccia.
13139	-0.01	1	15	36	161	3	32	66	137.00	138.00	1.00	NQ2	CVC altered volcanic or volcanoclastic breccia.
13140	0.01	1	45	48	150	11	26	74	138.00	139.00	1.00	NQ2	CVC altered volcanic or volcanoclastic breccia.
13141	-0.01	1	27	18	95	5	23	57	139.00	140.00	1.00	NQ2	CVC altered volcanic or volcanoclastic breccia.
13142	-0.01	1	51	54	106	4	28	58	140.00	141.00	1.00	NQ2	CVC altered volcanic or volcanoclastic breccia.
13143	-0.01	1	66	26	97	6	31	41	141.00	141.35	0.35	NQ2	CVC altered volcanic or volcanoclastic breccia; minor py.
13144	0.02	1	250	130	154	3	24	153	141.35	142.00	0.65	NQ2	?Fault/patchy massive silica alteration; minor py.
13145	0.43	4	2010	129	273	9	15	95	142.00	143.00	1.00	NQ2	?Fault/patchy massive silica alteration; minor py.
13146	0.25	2	360	183	463	6	17	84	143.00	143.45	0.45	NQ2	?Fault/patchy massive silica alteration; minor py.
13147	0.07	1	368	118	203	5	8	98	143.45	144.00	0.55	NQ2	CVC strongly altered rhyo-dacite lava or volcanoclastic.
13148	-0.01	1	69	30	72	3	11	47	144.00	145.00	1.00	NQ2	CVC strongly altered rhyo-dacite lava or volcanoclastic.
13149	0.06	1	251	76	68	2	7	59	145.00	146.00	1.00	NQ2	CVC strongly altered rhyo-dacite lava or volcanoclastic.
13150	0.02	1	115	31	56	3	11	84	146.00	146.40	0.40	NQ2	CVC strongly altered rhyo-dacite lava or volcanoclastic.
13151	-0.01	1	102	60	35	4	8	48	146.40	147.00	0.60	NQ2	CVC rhyolite lava or intrusive.
13153	0.03	1	134	47	38	3	16	23	147.00	148.00	1.00	NQ2	CVC rhyolite lava or intrusive.
13154	0.02	-1	138	43	98	5	9	51	162.00	162.80	0.80	NQ2	CVC rhyolite lava or intrusive.
13155	0.01	1	156	6	114	3	34	37	162.80	164.00	1.20	NQ2	CVC chloritised pyritic ?volcanoclastic; minor 3-5% py.
13156	-0.01	2	174	7	116	3	36	43	164.00	165.00	1.00	NQ2	CVC chloritised pyritic ?volcanoclastic; minor 3-5% py.
13157	-0.01	1	381	7	88	1	32	63	165.00	166.00	1.00	NQ2	CVC chloritised pyritic ?volcanoclastic; minor 3-5% py.
13158	-0.01	1	177	3	73	1	36	73	166.00	167.00	1.00	NQ2	CVC chloritised pyritic ?volcanoclastic; minor 3-5% py.
13159	-0.01	1	240	5	81	1	31	79	167.00	168.00	1.00	NQ2	CVC chloritised pyritic ?volcanoclastic; minor 3-5% py.
13160	-0.01	1	9	2	91	3	33	71	168.00	169.00	1.00	NQ2	CVC chloritised pyritic ?volcanoclastic; minor 3-5% py.
13161	-0.01	1	212	8	102	3	27	71	169.00	169.60	0.60	NQ2	CVC chloritised pyritic ?volcanoclastic; minor 3-5% py.
13162	-0.01	1	151	5	73	2	26	49	169.60	170.00	0.40	NQ2	CVC altered rhyolite lava; pervasive chlorite alteration.
13163	-0.01	1	468	4	75	1	22	43	170.00	171.00	1.00	NQ2	CVC altered rhyolite lava; pervasive chlorite alteration.
13164	0.14	1	634	7	123	2	23	55	171.00	172.00	1.00	NQ2	CVC altered rhyolite lava; pervasive chlorite alteration.
13092	-0.01	-1	4	15	7	3	3	30	Blank	N/A		N/A	Feldspar blank
13104	17.80	-1	9	93	32	1	15	21		N/A		N/A	SP37 standard (18.14 ppm Au)
13132	5.79	1	59	69	90	4	29	132		N/A		N/A	SL51 standard (5.909 ppm Au)
13152	3.41	-1	7	29	16	2	7	25		N/A		N/A	HiSilk2 standard (3.474 ppm Au)
13165	0.92	1	25	45	49	4	24	104		N/A		N/A	SG40 standard (0.976 ppm Au)
13166	0.03	-1	5	12	10	1	4	55	Blank	N/A		N/A	Feldspar blank

Laboratory Duplicates:

Sample ID	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Bi ppm	As ppm
13098	-0.01	n/a						
13114	n/a	1	41	58	1055	5	16	67
13119	0.03	n/a						
13136	n/a	1	21	26	105	5	22	81
13138	-0.01	n/a						
13151	n/a	1	101	70	45	2	12	114
13158	-0.01	n/a						
13165	0.89	n/a						
13166	n/a	-1	6	11	7	-1	3	86



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Unity Mining Limited													
SUBMITTED : 24/03/2011													
REPORTED : 07/04/2011													
Drill Hole: RHD27													
Sample ID	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Bi ppm	As ppm	From (m)	To (m)	Int. (m)	Core Size	Stratigraphy/lithology/alteration
13261	-0.01	0	18	20	125	8	29	149	18.00	19.00	1.00	NQ2	CVC partially oxidised, foliated, dacitic volcanoclastic or lava.
13262	-0.01	0	8	18	205	3	26	25	19.00	19.45	0.45	NQ2	CVC partially oxidised, foliated, dacitic volcanoclastic or lava.
13263	-0.01	0	5	0	76	5	0	92	19.45	20.00	0.55	NQ2	Partially oxidised, weathered, vughy quartz macrovein.
13264	-0.01	0	9	12	134	8	46	227	20.00	20.75	0.75	NQ2	Partially oxidised, weathered, vughy quartz macrovein.
13265	-0.01	0	17	16	74	5	43	150	20.75	21.00	0.25	NQ2	CVC weakly oxidised dacitic volcanoclastic or lava.
13266	-0.01	0	12	18	99	2	0	127	21.00	22.00	1.00	NQ2	CVC weakly oxidised to fresh dacitic volcanoclastic or lava.
13267	-0.01	0	9	10	699	2	30	106	22.00	23.00	1.00	NQ2	CVC fresh dacitic volcanoclastic or lava.
13268	-0.01	0	55	220	950	10	33	152	53.00	54.00	1.00	NQ2	CVC black carbonaceous shale.
13269	-0.01	0	74	249	710	12	21	94	54.00	54.80	0.80	NQ2	CVC black carbonaceous shale.
13270	-0.01	0	31	59	874	0	0	51	54.80	55.30	0.50	NQ2	Vughy quartz vein; Fe oxides staining; coarse pyrite as inclusions.
13271	-0.01	0	184	329	485	12	30	158	55.30	56.00	0.70	NQ2	CVC black carbonaceous shale; sparse 1-2% py.
13272	-0.01	0	246	266	649	20	22	80	56.00	57.00	1.00	NQ2	CVC black carbonaceous shale; sparse 1-2% py.
13273	-0.01	0	190	164	485	15	82	86	57.00	58.00	1.00	NQ2	CVC black carbonaceous shale; sparse 1-2% py.
13274	-0.01	0	79	1360	1575	3	49	191	70.00	71.00	1.00	NQ2	CVC black carbonaceous shale; carbonate+trace py.
13275	-0.01	0	68	330	175	5	65	353	71.00	71.50	0.50	NQ2	CVC black carbonaceous shale; carbonate+trace py.
13276	-0.01	2	37	132	1498	136	71	533	71.50	72.00	0.50	NQ2	CVC altered, sericitised, foliated, dacitic volcanoclastic.
13278	-0.01	1	21	216	1070	9	63	213	72.00	73.00	1.00	NQ2	CVC altered, sericitised, foliated, dacitic volcanoclastic.
13279	-0.01	1	17	275	675	5	48	82	73.00	74.00	1.00	NQ2	CVC altered, sericitised, foliated, dacitic volcanoclastic.
13280	-0.01	1	16	256	427	3	39	77	74.00	75.00	1.00	NQ2	CVC altered, sericitised, foliated, dacitic volcanoclastic.
13281	-0.01	1	31	524	1790	3	59	74	75.00	76.00	1.00	NQ2	CVC altered, sericitised, foliated, dacitic volcanoclastic.
13282	-0.01	0	10	14	51	4	42	70	79.00	80.00	1.00	NQ2	CVC altered, sericitised, foliated, dacitic volcanoclastic.
13283	-0.01	1	18	31	33	4	47	91	80.00	81.00	1.00	NQ2	CVC altered, sericitised, foliated, dacitic volcanoclastic.
13284	-0.01	1	24	68	69	4	34	90	81.00	82.15	1.15	NQ2	CVC altered, sericitised, foliated, dacitic volcanoclastic.
13285	-0.01	1	22	92	104	4	46	102	82.15	83.00	0.85	NQ2	CVC altered, sericitised, weakly foliated, dacitic lava or volcanoclastic.
13286	-0.01	1	29	78	253	2	42	76	83.00	84.00	1.00	NQ2	CVC altered, sericitised, weakly foliated, dacitic lava or volcanoclastic.
13287	-0.01	1	18	43	81	3	55	113	84.00	85.00	1.00	NQ2	CVC altered, sericitised, weakly foliated, dacitic lava or volcanoclastic.
13288	-0.01	1	22	69	93	6	50	91	85.00	86.00	1.00	NQ2	CVC altered, sericitised, weakly foliated, dacitic lava or volcanoclastic.
13289	-0.01	1	21	117	492	3	48	67	86.00	87.00	1.00	NQ2	CVC altered, sericitised, weakly foliated, dacitic lava or volcanoclastic.
13290	-0.01	1	20	265	410	6	40	39	87.00	88.00	1.00	NQ2	CVC altered, sericitised, weakly foliated, dacitic lava or volcanoclastic.
13291	-0.01	1	27	215	380	3	38	59	88.00	89.00	1.00	NQ2	CVC altered, sericitised, weakly foliated, dacitic lava or volcanoclastic.
13292	-0.01	1	28	164	214	2	43	82	89.00	90.00	1.00	NQ2	CVC altered, sericitised, weakly foliated, dacitic lava or volcanoclastic.
13293	-0.01	1	23	238	295	4	40	106	90.00	90.65	0.65	NQ2	CVC altered, sericitised, weakly foliated, dacitic lava or volcanoclastic.
13294	-0.01	1	16	86	1828	7	35	568	90.65	90.85	0.20	NQ2	Fault, broken, tending to clayey infill.
13295	-0.01	1	13	184	293	1	39	68	90.85	92.00	1.15	NQ2	CVC variably altered, dacitic lava; variable sparse py.
13296	-0.01	0	10	33	95	1	35	83	92.00	93.00	1.00	NQ2	CVC variably altered, dacitic lava; variable sparse py.
13297	-0.01	1	17	118	290	2	49	76	93.00	94.00	1.00	NQ2	CVC variably altered, dacitic lava; variable sparse py.
13298	-0.01	1	14	246	1005	4	41	96	94.00	95.00	1.00	NQ2	CVC variably altered, dacitic lava; variable sparse py.
13299	-0.01	2	20	1540	1357	3	32	104	95.00	96.00	1.00	NQ2	CVC variably altered, dacitic lava; minor 2-4% py.+trace gal.
13301	-0.01	3	14	2594	603	2	34	201	96.00	97.00	1.00	NQ2	CVC variably altered, dacitic lava; minor 2-4% py.+trace gal.

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13302	-0.01	1	26	612	2328	4	37	94	97.00	98.00	1.00	NQ2	CVC variably altered, dacitic lava; minor 2-4% py.+trace gal.
13303	-0.01	2	64	1657	2253	5	52	82	98.00	99.00	1.00	NQ2	CVC variably altered, dacitic lava; minor 2-4% py.+trace gal.
13304	0.02	2	47	1331	3864	2	57	403	99.00	100.00	1.00	NQ2	CVC variably altered, dacitic lava; minor 2-4% py.+trace gal.
13305	-0.01	1	29	579	1348	4	82	112	100.00	100.50	0.50	NQ2	CVC variably altered, dacitic lava; minor 2-4% py.+trace gal.
13306	-0.01	1	16	385	853	3	67	129	100.50	101.00	0.50	NQ2	CVC dacitic breccia; trace to sparse ?pyrrhotite.
13307	-0.01	1	33	688	1352	5	53	61	101.00	102.00	1.00	NQ2	CVC dacitic breccia; trace to sparse ?pyrrhotite.
13308	-0.01	1	16	949	930	5	29	21	105.40	106.00	0.60	NQ2	CVC rhyolitic/dacitic volcanoclastic siltstone; trace sphal.
13309	-0.01	1	16	562	1458	3	53	59	106.00	107.00	1.00	NQ2	CVC rhyolitic/dacitic volcanoclastic siltstone; trace sphal.
13310	-0.01	1	20	463	4579	2	58	65	107.00	108.00	1.00	NQ2	CVC dacitic hyaloclastite/breccia.
13311	-0.01	1	18	169	1426	3	53	95	108.00	109.00	1.00	NQ2	CVC dacitic hyaloclastite/breccia.
13312	-0.01	1	9	121	322	3	67	112	109.00	110.00	1.00	NQ2	CVC dacitic hyaloclastite/breccia.
13313	-0.01	1	9	41	85	4	59	86	110.00	111.00	1.00	NQ2	CVC dacitic hyaloclastite/breccia.
13314	-0.01	1	10	113	418	3	40	70	111.00	112.00	1.00	NQ2	CVC dacitic hyaloclastite/breccia.
13315	-0.01	1	6	147	104	2	50	47	112.00	113.00	1.00	NQ2	CVC dacitic hyaloclastite/breccia.
13316	-0.01	1	6	172	229	3	41	78	113.00	114.00	1.00	NQ2	CVC dacitic hyaloclastite/breccia.
13317	-0.01	1	60	179	3385	5	46	59	114.00	115.00	1.00	NQ2	CVC dacitic hyaloclastite/breccia; trace to sparse sphal.
13318	-0.01	1	80	78	3420	1	48	115	115.00	116.00	1.00	NQ2	CVC dacitic hyaloclastite/breccia; trace to sparse sphal.
13319	-0.01	1	14	84	224	1	49	68	116.00	117.00	1.00	NQ2	CVC dacitic hyaloclastite/breccia.
13321	-0.01	1	11	85	183	2	57	61	117.00	118.00	1.00	NQ2	CVC dacitic hyaloclastite/breccia.
13322	-0.01	1	7	72	257	1	43	77	118.00	119.00	1.00	NQ2	CVC dacitic hyaloclastite/breccia.
13323	-0.01	1	7	44	208	5	56	22	119.00	119.85	0.85	NQ2	CVC dacitic hyaloclastite/breccia; trace py. as blebs.
13324	-0.01	1	4	11	121	2	43	46	157.00	157.90	0.90	NQ2	CVC altered dacitic hyaloclastite/breccia; trace py.
13325	-0.01	0	23	7	57	5	32	58	157.90	159.00	1.10	NQ2	CVC altered volcanoclastic sandstone; trace to sparse py.
13326	-0.01	1	36	11	53	1	44	98	159.00	160.00	1.00	NQ2	CVC altered volcanoclastic sandstone; trace to sparse py.
13327	-0.01	0	34	8	52	3	33	39	160.00	161.00	1.00	NQ2	CVC altered volcanoclastic sandstone; trace to sparse py.
13328	-0.01	1	6	6	44	3	31	124	161.00	162.00	1.00	NQ2	CVC altered volcanoclastic sandstone; trace to sparse py.
13329	-0.01	1	5	15	41	2	46	27	162.00	163.00	1.00	NQ2	CVC altered volcanoclastic sandstone; trace to sparse py.
13330	-0.01	1	24	76	66	2	28	117	163.00	164.00	1.00	NQ2	CVC altered volcanoclastic sandstone; trace to sparse py.
13331	-0.01	1	10	469	228	4	41	73	164.00	165.00	1.00	NQ2	CVC altered volcanoclastic sandstone; trace to sparse py.
13332	-0.01	0	4	20	62	0	41	68	165.00	166.00	1.00	NQ2	CVC altered volcanoclastic breccia; trace py.+?pyrrhotite.
13333	-0.01	0	9	13	63	5	40	68	166.00	167.00	1.00	NQ2	CVC altered volcanoclastic breccia; trace py.+?pyrrhotite.
13334	-0.01	1	4	8	103	1	57	83	167.60	168.00	0.40	NQ2	CVC altered volcanoclastic breccia; trace cpy. as blebs.
13335	-0.01	1	47	291	94	4	57	96	168.00	169.00	1.00	NQ2	CVC altered volcanoclastic breccia; trace cpy. as blebs.
13336	-0.01	4	2051	440	221	7	82	145	169.00	169.65	0.65	NQ2	CVC altered volcanoclastic breccia; trace cpy. as blebs.
13399	-0.01	2	47	555	114	9	51	132	169.65	170.00	0.35	NQ2	CVC altered, albitised+chloritised, dacitic lava.
13337	-0.01	6	415	1128	118	21	74	132	170.00	171.00	1.00	NQ2	CVC altered, albitised+chloritised, dacitic lava; trace cpy.
13338	0.15	39	1145	966	507	26	100	279	171.00	172.00	1.00	NQ2	CVC altered, albitised+chloritised, dacitic lava; trace cpy.
13339	0.07	12	440	1002	574	31	88	466	172.00	173.00	1.00	NQ2	CVC altered, albitised+chloritised, dacitic lava.
13341	-0.01	6	42	348	326	6	68	183	173.00	174.00	1.00	NQ2	CVC altered, albitised+chloritised, dacitic lava.
13342	0.03	3	18	111	182	7	61	134	174.00	175.00	1.00	NQ2	CVC altered, albitised+chloritised, dacitic lava.
13343	-0.01	2	62	39	82	7	48	96	175.00	176.00	1.00	NQ2	CVC altered, albitised+chloritised, dacitic lava.
13344	-0.01	2	16	60	64	3	52	132	176.00	177.00	1.00	NQ2	CVC altered, albitised+chloritised, dacitic lava.
13345	-0.01	1	5	0	102	5	54	58	183.00	184.00	1.00	NQ2	CVC altered, albitised+chloritised, dacitic lava; 0.5-1% py.
13346	-0.01	1	6	7	169	5	52	69	184.00	184.20	0.20	NQ2	CVC altered, albitised+chloritised, dacitic lava; 0.5-1% py.
13347	0.04	6	214	1430	982	19	75	230	184.20	185.00	0.80	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.

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13348	-0.01	3	244	944	478	15	74	251	185.00	186.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13349	-0.01	1	59	90	179	7	58	74	186.00	187.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13350	-0.01	2	20	80	144	5	61	86	187.00	188.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13351	0.09	3	116	352	520	23	65	105	188.00	189.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13352	0.03	4	128	1229	442	30	73	87	189.00	190.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13353	-0.01	1	56	99	616	5	62	42	190.00	191.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13354	-0.01	1	50	155	459	5	65	38	191.00	192.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13355	0.06	1	32	272	712	6	59	37	192.00	193.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13356	-0.01	1	17	84	349	4	64	91	193.00	194.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13357	-0.01	1	38	94	515	6	68	61	194.00	195.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13358	0.02	2	43	112	408	8	66	153	195.00	196.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13359	0.08	1	116	161	517	7	74	116	196.00	197.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13361	-0.01	1	25	72	162	4	63	48	197.00	198.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13362	0.81	1	84	113	226	5	50	31	198.00	199.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13363	0.99	3	188	959	1887	22	69	29	199.00	200.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13364	0.20	1	94	134	549	5	61	45	200.00	201.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13365	0.05	1	43	54	169	4	61	32	201.00	202.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13366	0.67	3	940	385	1770	12	75	128	202.00	203.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13367	4.59	7	1712	357	584	31	89	158	203.00	204.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13368	-0.01	1	38	95	204	6	69	76	204.00	205.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13369	0.02	1	47	54	153	6	51	72	205.00	206.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13370	-0.01	1	144	65	598	7	62	45	206.00	207.00	1.00	NQ2	CVC bleached silica+sericite altered rhyo-dacite lava.
13371	-0.01	2	121	2899	9850	15	51	33	207.00	208.00	1.00	NQ2	CVC hydrothermally altered rhyo-dacite lava.
13372	-0.01	2	84	308	2832	7	82	120	208.00	208.25	0.25	NQ2	CVC hydrothermally altered rhyo-dacite lava.
13373	4.37	11	687	192	126000	38	80	135	208.25	209.00	0.75	NQ2	CVC (LMH) grey quartz+base metal sulphides; abundant sphal.
13374	2.45	9	616	1167	47900	17	71	71	209.00	209.35	0.35	NQ2	CVC (LMH) grey quartz+base metal sulphides; abundant sphal.
13375	0.19	3	124	189	4721	11	49	78	209.35	210.00	0.65	NQ2	CVC (LMH) chlorite+silica+pyrite alteration; common py.
13376	0.69	9	2248	427	5174	52	70	49	210.00	211.00	1.00	NQ2	CVC (LMH) chlorite+silica+pyrite alteration; common py.
13377	0.10	7	657	478	893	45	77	96	211.00	212.00	1.00	NQ2	CVC (LMH) massive silica+pyrite alteration; 15-20% py.
13378	2.02	5	1791	67	1014	76	85	157	212.00	212.60	0.60	NQ2	CVC (LMH) massive silica+pyrite alteration; 15-20% py.
13379	-0.01	1	120	7	134	17	74	62	212.60	213.00	0.40	NQ2	CVC (LMH) altered, chloritised volcaniclastic siltstone.
13381	-0.01	1	47	7	140	9	79	73	213.00	214.00	1.00	NQ2	CVC (LMH) altered, chloritised volcaniclastic siltstone.
13382	-0.01	8	371	616	652	16	95	166	214.00	215.00	1.00	NQ2	CVC (LMH) altered, chloritised volcaniclastic siltstone.
13383	-0.01	3	284	47	201	9	78	124	215.00	216.00	1.00	NQ2	CVC (LMH) altered, chloritised volcaniclastic siltstone.
13384	0.06	4	518	178	229	16	94	109	216.00	216.60	0.60	NQ2	CVC (LMH) altered, chloritised volcaniclastic siltstone.
13385	0.89	7	1115	431	27400	15	95	166	216.60	217.00	0.40	NQ2	CVC (LMH)banded silica alteration, with devitrified ash bands.
13386	0.08	10	919	15300	42800	13	65	188	217.00	218.00	1.00	NQ2	CVC (LMH)banded silica alteration, with devitrified ash bands.
13387	0.12	34	1018	48000	106000	6	94	146	218.00	218.30	0.30	NQ2	CVC (LMH)banded silica alteration, with devitrified ash bands.
13388	0.02	3	207	2249	23800	7	90	139	218.30	219.00	0.70	NQ2	CVC (LMH) volcaniclastic breccia+semi-massive sulphides.
13389	0.21	2	522	664	31100	8	47	140	219.00	220.00	1.00	NQ2	CVC (LMH) volcaniclastic breccia+semi-massive sulphides.
13390	0.15	7	870	9440	44400	49	42	140	220.00	221.00	1.00	NQ2	CVC (LMH) volcaniclastic breccia+semi-massive sulphides.
13391	0.02	7	510	11900	27500	21	105	116	221.00	222.00	1.00	NQ2	CVC (LMH) volcaniclastic breccia+semi-massive sulphides.
13392	-0.01	1	91	163	519	6	39	56	222.00	223.00	1.00	NQ2	CVC volcaniclastic breccia.
13393	-0.01	1	187	32	84	8	26	59	223.00	224.00	1.00	NQ2	CVC volcaniclastic breccia+semi-massive sulphides.
13394	0.08	2	974	51	131	9	69	150	224.00	225.00	1.00	NQ2	CVC volcaniclastic breccia+semi-massive sulphides.

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13395	-0.01	1	285	23	161	14	42	60	225.00	226.00	1.00	NQ2	CVC volcanoclastic breccia+semi-massive sulphides.
13396	-0.01	1	163	37	159	6	42	80	226.00	226.55	0.55	NQ2	CVC volcanoclastic breccia+semi-massive sulphides.
13397	-0.01	1	252	118	1101	8	28	56	226.55	227.00	0.45	NQ2	CVC altered rhyolite lava; trace py.+cpy.
13398	-0.01	1	359	63	72	6	25	95	227.00	228.00	1.00	NQ2	CVC altered rhyolite lava; trace py.+cpy.
13260	-0.01	0	3	10	8	5	0	68	Blank	N/A		N/A	Feldspar blank
13277	3.36	0	6	28	18	3	23	49	Standard	N/A		N/A	HiSilK2 standard (3.474 ppm Au)
13300	0.97	1	21	45	51	4	52	59	Standard	N/A		N/A	SG40 standard (0.976 ppm Au)
13320	17.20	0	9	85	32	5	34	47	Standard	N/A		N/A	SP37 standard (18.14 ppm Au)
13340	5.57	0	64	59	87	5	56	120	Standard	N/A		N/A	SL51 standard (5.909 ppm Au)
13360	0.93	1	22	46	51	7	59	7	Standard	N/A		N/A	SG40 standard (0.976 ppm Au)
13380	5.56	1	60	61	82	6	54	86	Standard	N/A		N/A	SL51 standard (5.909 ppm Au)
13400	-0.01	0	2	8	5	3	8	70	Blank	N/A		N/A	Feldspar blank

Laboratory Duplicates:

Sample ID	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Bi ppm	As ppm
13266	-0.01							
13286	-0.01							
13305	-0.01							
13324	-0.01							
13344	-0.01							
13364	0.17							
13382	-0.01							

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Unity Mining Limited													
SUBMITTED : 07/04/2011													
REPORTED : 21/04/2011													
Drill Hole: RHD28													
Sample ID	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Bi ppm	As ppm	From (m)	To (m)	Int. (m)	Core Size	Stratigraphy/lithology/alteration
13410	-0.01	2	61	460	465	6	57	158	91.00	92.00	1.00	NQ2	CVC black carbonaceous shale; common 15-20% py.
13411	-0.01	2	51	388	526	11	56	261	92.00	93.00	1.00	NQ2	CVC black carbonaceous shale; common 15-20% py.
13412	-0.01	2	35	215	104	11	50	190	93.00	93.35	0.35	NQ2	CVC black carbonaceous shale; common 15-20% py.
13413	-0.01	2	35	123	122	24	59	228	93.35	94.00	0.65	NQ2	CVC sericitised, pyritic, foliated dacitic volcaniclastic.
13414	-0.01	1	21	87	181	10	41	73	94.00	95.00	1.00	NQ2	CVC sericitised, pyritic, foliated dacitic volcaniclastic.
13415	-0.01	2	29	125	113	17	69	276	95.00	96.00	1.00	NQ2	CVC sericitised, pyritic, foliated dacitic volcaniclastic.
13416	-0.01	1	24	161	111	10	60	71	96.00	97.00	1.00	NQ2	CVC sericitised, pyritic, foliated dacitic volcaniclastic.
13417	-0.01	2	32	290	684	10	84	50	97.00	98.00	1.00	NQ2	CVC sericitised, pyritic, foliated dacitic volcaniclastic.
13418	-0.01	1	20	145	392	8	53	20	98.00	99.00	1.00	NQ2	CVC sericitised, pyritic, foliated dacitic volcaniclastic.
13419	-0.01	1	19	76	152	5	62	38	99.00	100.00	1.00	NQ2	CVC sericitised, pyritic, foliated dacitic volcaniclastic.
13420	-0.01	1	33	214	1488	4	40	73	217.00	218.00	1.00	NQ2	CVC dacite lava; trace cpy. in pyrite veins.
13421	-0.01	3	254	3191	12000	4	50	83	218.00	219.00	1.00	NQ2	CVC dacite lava; trace cpy. in pyrite veins.
13422	-0.01	1	27	231	1241	3	49	16	219.00	220.00	1.00	NQ2	CVC dacite lava.
13423	-0.01	1	9	121	505	5	38	20	220.00	221.00	1.00	NQ2	CVC dacite lava.
13424	-0.01	2	28	370	788	7	67	49	221.00	222.00	1.00	NQ2	CVC dacite lava.
13425	0.17	2	44	291	374	3	51	27	225.00	226.00	1.00	NQ2	CVC dacite lava; trace cpy. in pyrite veins.
13426	0.13	1	60	232	2266	4	53	59	226.00	227.10	1.10	NQ2	CVC dacite lava; trace cpy. in pyrite veins.
13427	8.19	6	488	2983	11100	5	70	118	227.10	228.00	0.90	NQ2	CVC hosted grey silica alteration; minor py.+sparse sphal.
13428	0.48	3	145	965	6310	5	74	56	228.00	229.00	1.00	NQ2	CVC dacite lava.
13430	0.17	1	50	289	2112	-1	60	59	229.00	230.00	1.00	NQ2	CVC dacite lava.
13431	0.02	1	16	201	1765	2	57	22	230.00	231.00	1.00	NQ2	CVC dacite lava.
13432	1.16	2	40	388	1341	4	58	80	231.00	232.00	1.00	NQ2	CVC dacite lava.
13433	0.07	1	14	71	603	1	52	10	232.00	233.00	1.00	NQ2	CVC dacite lava.
13434	0.06	2	36	275	1173	2	58	41	233.00	234.00	1.00	NQ2	CVC dacite lava.
13435	0.41	2	98	57	240	5	66	81	234.00	235.00	1.00	NQ2	CVC dacite lava.
13436	5.26	2	142	270	520	5	55	105	235.00	236.00	1.00	NQ2	CVC dacite lava; trace py. as blebs in quartz veins.
13437	0.29	1	151	118	1063	6	69	59	236.00	236.50	0.50	NQ2	CVC dacite lava; trace py. as blebs in quartz veins.
13438	0.06	2	80	228	1149	5	92	216	236.50	237.00	0.50	NQ2	CVC altered, devitrified, perlitic, dacitic lava or volcaniclastic.
13439	-0.01	1	32	87	250	2	103	81	237.00	238.00	1.00	NQ2	CVC altered, devitrified, perlitic, dacitic lava or volcaniclastic.
13440	0.02	2	31	1209	2024	5	83	188	238.00	238.70	0.70	NQ2	CVC altered, devitrified, perlitic, dacitic lava or volcaniclastic.
13441	0.03	3	369	622	14700	15	72	103	238.70	239.00	0.30	NQ2	CVC/LMH altered, crystal-rich volcaniclastic; common sphal.
13442	0.05	4	901	1445	62200	19	87	137	239.00	240.00	1.00	NQ2	CVC/LMH altered, crystal-rich volcaniclastic; common sphal.
13443	-0.01	4	708	395	29100	28	96	59	240.00	241.00	1.00	NQ2	CVC/LMH altered, crystal-rich volcaniclastic; common sphal.
13444	0.06	5	497	1091	35600	25	91	120	241.00	242.00	1.00	NQ2	CVC/LMH altered, crystal-rich volcaniclastic; common sphal.
13445	0.03	6	565	536	16600	27	109	136	242.00	243.00	1.00	NQ2	CVC/LMH altered, crystal-rich volcaniclastic; common sphal.
13446	-0.01	2	180	117	1081	5	81	150	243.00	244.00	1.00	NQ2	CVC/LMH altered, crystal-rich volcaniclastic; common sphal.
13447	-0.01	3	272	973	1066	5	73	101	244.00	244.50	0.50	NQ2	CVC/LMH altered, crystal-rich volcaniclastic; common sphal.
13448	0.05	4	482	1060	155	11	54	212	244.50	245.00	0.50	NQ2	CVC/LMH dacitic volcaniclastic breccia; minor gal.+sphal.
13449	0.04	4	558	2711	22	7	42	255	245.00	246.00	1.00	NQ2	CVC/LMH dacitic volcaniclastic breccia; minor gal.+sphal.



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Unity Mining Limited													
SUBMITTED : 11/05/2011													
REPORTED : 25/05/2011													
Drill Hole: RHD29													
Sample ID	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Bi ppm	As ppm	From (m)	To (m)	Int. (m)	Core Size	Stratigraphy/lithology/alteration
13765	-0.01	3	43	479	1681	19	21	156	85.00	86.00	1.00	NQ2	CVC black carbonaceous shale; sparse-minor py.
13766	-0.01	4	49	396	373	8	24	144	86.00	87.00	1.00	NQ2	CVC black carbonaceous shale; sparse-minor py.
13767	-0.01	5	42	178	127	8	15	217	87.00	87.30	0.30	NQ2	CVC black carbonaceous shale; sparse-minor py.
13768	-0.01	4	23	181	600	9	25	336	87.30	88.00	0.70	NQ2	CVC sericitised, pyritic, dacitic volcanoclastic sandstone.
13769	-0.01	2	19	51	453	14	14	79	88.00	89.00	1.00	NQ2	CVC sericitised, pyritic, dacitic volcanoclastic sandstone.
13770	-0.01	2	18	47	313	2	16	72	89.00	90.00	1.00	NQ2	CVC sericitised, pyritic, dacitic volcanoclastic sandstone.
13771	-0.01	3	24	230	583	4	16	60	90.00	91.00	1.00	NQ2	CVC sericitised, pyritic, dacitic volcanoclastic sandstone.
13772	-0.01	2	25	168	268	3	18	53	91.00	92.00	1.00	NQ2	CVC sericitised, pyritic, dacitic volcanoclastic sandstone.
13773	-0.01	2	22	210	230	1	23	69	92.00	93.00	1.00	NQ2	CVC sericitised, pyritic, dacitic volcanoclastic sandstone.
13774	-0.01	1	16	214	235	2	18	74	93.00	94.00	1.00	NQ2	CVC sericitised, pyritic, dacitic volcanoclastic sandstone.
13775	-0.01	1	16	153	358	3	15	65	94.00	95.00	1.00	NQ2	CVC sericitised, pyritic, dacitic volcanoclastic sandstone.
13776	-0.01	2	16	138	317	2	21	50	95.00	96.00	1.00	NQ2	CVC sericitised, pyritic, dacitic volcanoclastic sandstone.
13777	-0.01	1	24	145	375	3	25	73	96.00	97.00	1.00	NQ2	CVC sericitised, pyritic, dacitic volcanoclastic sandstone.
13778	-0.01	2	39	95	171	3	18	48	97.00	97.35	0.35	NQ2	CVC sericitised, pyritic, dacitic volcanoclastic sandstone.
13779	-0.01	1	18	44	59	2	20	26	97.35	98.00	0.65	NQ2	CVC dacitic to rhyo-dacitic volcanoclastic sandstone.
13780	-0.01	1	25	111	113	3	16	29	98.00	99.00	1.00	NQ2	CVC dacitic to rhyo-dacitic volcanoclastic sandstone.
13781	-0.01	2	32	198	460	2	18	30	99.00	100.00	1.00	NQ2	CVC dacitic to rhyo-dacitic volcanoclastic sandstone.
13782	-0.01	2	27	283	354	1	20	38	100.00	101.00	1.00	NQ2	CVC dacitic to rhyo-dacitic volcanoclastic sandstone.
13783	-0.01	1	22	77	284	2	22	29	101.00	102.00	1.00	NQ2	CVC dacitic to rhyo-dacitic volcanoclastic sandstone.
13785	-0.01	1	19	31	114	3	14	50	102.00	103.10	1.10	NQ2	CVC dacitic to rhyo-dacitic volcanoclastic sandstone.
13786	-0.01	92	41	23400	209	2	35	70	103.10	104.05	0.95	NQ2	Vein: quartz+carbonate+albite macrovein.
13787	-0.01	1	29	84	212	3	15	65	104.05	105.00	0.95	NQ2	CVC weakly sericitised, dacitic volcanoclastic sandstone.
13788	-0.01	1	73	56	56	2	19	57	105.00	106.00	1.00	NQ2	CVC weakly sericitised, dacitic volcanoclastic sandstone.
13789	-0.01	1	66	87	73	10	31	114	194.00	195.00	1.00	NQ2	CVC altered dacite/rhyo-dacite lava; rare trace py.
13790	-0.01	1	115	64	305	4	27	95	195.00	196.00	1.00	NQ2	CVC altered dacite/rhyo-dacite lava; rare trace py.
13791	0.09	2	134	241	716	7	31	398	196.00	197.00	1.00	NQ2	CVC altered dacite/rhyo-dacite lava; rare trace py.
13792	-0.01	1	23	68	227	2	23	112	197.00	198.00	1.00	NQ2	CVC altered dacite/rhyo-dacite lava; rare trace py.
13793	-0.01	1	22	82	466	2	21	71	211.00	212.00	1.00	NQ2	CVC altered dacite/rhyo-dacite lava; trace py.
13794	-0.01	1	34	153	1024	4	20	76	212.00	213.00	1.00	NQ2	CVC altered dacite/rhyo-dacite lava; trace py.
13795	-0.01	1	46	254	708	6	22	71	213.00	214.00	1.00	NQ2	CVC altered dacite/rhyo-dacite lava; trace py.
13796	0.04	3	1210	244	132	29	23	149	214.00	214.55	0.55	NQ2	CVC altered dacite/rhyo-dacite lava; trace py.
13797	-0.01	5	2478	933	329	33	32	157	214.55	215.15	0.60	NQ2	Tectonic breccia vein; quartz veins; sparse cpy.+py.
13798	0.03	6	1232	1423	2054	29	27	219	215.15	216.00	0.85	NQ2	CVC altered dacite/rhyo-dacite lava; trace py.
13799	0.06	10	213	2775	12400	16	28	143	216.00	217.00	1.00	NQ2	CVC altered dacite/rhyo-dacite lava; trace py.
13800	-0.01	2	43	733	2382	15	23	145	217.00	218.00	1.00	NQ2	CVC altered dacite/rhyo-dacite lava; trace py.
13801	0.03	2	22	351	1001	6	16	94	218.00	218.90	0.90	NQ2	CVC altered dacite/rhyo-dacite lava; trace py.
13802	0.08	3	80	308	524	5	26	185	218.90	220.00	1.10	NQ2	CVC/LMH silica alteration after volcanoclastic siltstone.
13803	0.03	2	105	123	1076	6	18	140	220.00	221.00	1.00	NQ2	CVC/LMH silica alteration after volcanoclastic siltstone.
13805	-0.01	2	73	1080	3643	4	29	583	221.00	222.00	1.00	NQ2	CVC/LMH silica alteration after volcanoclastic siltstone.

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13806	0.02	2	87	699	2718	5	25	676	222.00	223.00	1.00	NQ2	CVC/LMH silica alteration after volcanoclastic siltstone.
13807	-0.01	1	52	61	4561	4	25	210	223.00	223.80	0.80	NQ2	CVC/LMH silica alteration after volcanoclastic siltstone.
13808	0.03	2	98	103	4449	4	28	92	223.80	224.00	0.20	NQ2	CVC/LMH altered pumiceous volcanoclastic breccia.
13809	0.05	2	47	103	6060	4	28	76	224.00	225.00	1.00	NQ2	CVC/LMH altered pumiceous volcanoclastic breccia.
13810	0.04	2	65	89	6240	8	31	144	225.00	225.40	0.40	NQ2	CVC/LMH altered pumiceous volcanoclastic breccia.
13811	0.27	2	41	228	11300	10	21	2140	225.40	226.00	0.60	NQ2	CVC/LMH altered volcanoclastic siltstone; hard, silicified, ashy.
13812	0.51	2	33	340	5180	32	33	688	226.00	226.70	0.70	NQ2	CVC/LMH altered volcanoclastic siltstone; hard, silicified, ashy.
13813	0.08	3	36	79	295	7	35	109	226.70	227.00	0.30	NQ2	CVC/LMH devitrified, pumiceous volcanoclastic cgt/breccia.
13814	0.34	2	76	40	499	6	41	91	227.00	228.00	1.00	NQ2	CVC/LMH devitrified, pumiceous volcanoclastic cgt/breccia.
13815	0.68	2	129	122	624	6	24	84	228.00	229.00	1.00	NQ2	CVC/LMH devitrified, pumiceous volcanoclastic cgt/breccia.
13816	0.29	2	168	79	249	9	19	25	229.00	230.00	1.00	NQ2	CVC/LMH devitrified, pumiceous volcanoclastic cgt/breccia.
13817	0.10	1	57	117	2558	14	16	34	230.00	231.00	1.00	NQ2	CVC/LMH devitrified, pumiceous volcanoclastic cgt/breccia.
13818	0.08	1	26	70	1438	7	16	50	231.00	232.00	1.00	NQ2	CVC/LMH devitrified, pumiceous volcanoclastic cgt/breccia.
13819	-0.01	1	13	164	382	6	8	59	232.00	233.00	1.00	NQ2	CVC/LMH devitrified, pumiceous volcanoclastic cgt/breccia.
13820	0.13	2	114	245	2609	19	22	57	233.00	233.60	0.60	NQ2	CVC/LMH devitrified, pumiceous volcanoclastic cgt/breccia.
13821	0.25	1	137	44	284	14	18	43	233.60	234.00	0.40	NQ2	CVC rhyolitic volcanoclastic; sparse py.
13822	0.21	1	71	22	52	6	21	36	234.00	235.00	1.00	NQ2	CVC rhyolitic volcanoclastic; sparse py.
13824	0.24	1	46	53	137	8	10	138	235.00	236.00	1.00	NQ2	CVC rhyolitic volcanoclastic; sparse py.
13825	0.32	3	1511	311	214	7	19	96	236.00	237.00	1.00	NQ2	CVC rhyolitic volcanoclastic; sparse py.
13826	0.18	1	177	118	171	8	19	74	237.00	238.00	1.00	NQ2	CVC rhyolitic volcanoclastic; sparse py.
13827	0.02	1	192	200	55	5	15	46	238.00	239.00	1.00	NQ2	CVC rhyolitic volcanoclastic; sparse py.
13828	-0.01	1	93	4	67	6	23	43	239.00	240.00	1.00	NQ2	CVC rhyolitic volcanoclastic; sparse py.
13829	-0.01	1	137	3	55	7	28	76	240.00	240.90	0.90	NQ2	CVC rhyolitic volcanoclastic; sparse py.
13764	-0.01	-1	4	9	6	1	4	53	Blank	N/A		N/A	Feldspar blank
13784	0.96	1	20	42	47	5	25	61	Standard	N/A		N/A	SG40 standard (0.976 ppm Au)
13804	3.37	-1	6	27	15	3	4	23	Standard	N/A		N/A	HiSilK2 standard (3.474 ppm Au)
13823	5.73	2	56	61	80	5	31	72	Standard	N/A		N/A	SL51 standard (5.909 ppm Au)
13830	-0.01	-1	3	7	4	4	3	15	Blank	N/A		N/A	Feldspar blank

Laboratory Duplicates:

Sample ID	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Bi ppm	As ppm
13780	<0.01	n/a						
13786	n/a	96	40	22800	206	2	35	90
13798	0.04	n/a						
13808	n/a	3	100	105	4397	4	25	71
13818	0.05	n/a						
13830	n/a	<1	2	8	3	3	2	23