

6 February 2013

ASX Release

Unity Mining Limited  
ABN 61 005 674 073

**Corporate Details:**

ASX Code: UML

**Issued capital:**

702M ord. shares

4.1M unlisted Perf. Rights

**Substantial Shareholders:**

Allan Gray (Orbis) 60.1M (8.6%)

STRS Ohio 37.0M (5.3%)

**Directors:**

Non-Executive Chairman:

Clive Jones

Managing Director:

Andrew McIlwain

Executive Director:

Peter van der Borgh

Non-Executive Directors:

Ronnie Beevor

David Ransom

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## Resources & Reserves Update

- Merger with Cortona complete
- Total Ore Reserves now stand at 366,000 oz gold
- Total Mineral Resources now 731,000 oz gold
- Mine life at Henty supported beyond 5 years
- Dargues Gold Mine to commence with 5 year life
- Maiden reserve at Henty's Read zone
- \$10M exploration drilling program continues to test near mine and regional targets

*Andrew McIlwain, Managing Director & CEO commented "Following the merger with Cortona, Unity has lifted its reserve position by more than 300% to in excess of 360,000 ounces. Similarly, resources have more than doubled to 730,000 ounces.*

As well as the substantial increase from the addition of the Dargues' resources, our improving knowledge and confidence in the Read Zone at Henty has enabled us to declare a maiden probable reserve of 83,000t at 11.3g/t (diluted) for 30,000 ounces. Significantly, total Read Zone resources have almost doubled to 45,000 ounces.

Replacement of reserves mined and growth in resources continues to demonstrate the potential for extension of the Henty mine life beyond the current five-plus years.

With 12 geoscientists in our team, their focus on resource growth is delivering results. We will extend this determination to Dargues when we commence exploration there in 2013" said Mr McIlwain.

### Company Background

Unity Mining Limited (ASX:UML) is an Australian gold explorer, developer and producer which owns and operates the Henty Gold Mine on the West Coast of Tasmania and is developing the Dargues Gold Mine in New South Wales. Unity is also involved in gold exploration in West Africa through its investment in GoldStone Resources Limited. Unity holds tenure over the Bendigo Goldfield in Victoria where it is engaged in realising the value of its Kangaroo Flat gold plant and Bendigo exploration tenements.

The Henty Gold Mine has produced about 1.3 million ounces of gold over a 16 year period. Unity Mining acquired Henty in July 2009. Recent exploration success has significantly extended the mine life, and continued exploration on the significant near mine tenement package remains a key focus.

The Dargues Gold Mine is located 60km south-east of Canberra in Majors Creek near Braidwood. Majors Creek was the largest historic goldfield in NSW, producing more than 1.25 million ounces. Production to commence in 2014.

Cashflow, a robust balance sheet and significant cash position provide Unity with a strong platform for future growth opportunities.

## Resources & Reserves

The following statement of Mineral Resources and Ore Reserves conforms to the Australasian Code for Reporting Exploration, Mineral Resources and Ore Reserves (JORC code) 2004 Edition. Minor discrepancies may occur due to rounding to appropriate significant figures.

### Mineral Resources

<i>Mineral Resources Estimate at 31 December 2012</i>												
	Measured			Indicated			Inferred			Total		
	kt	g/t gold	koz	kt	g/t gold	koz	kt	g/t gold	koz	kt	g/t gold	koz
Henty	1830	4.7	276	174	9.3	52	57	5.5	10	2061	5.1	338
Lakeside							750	2.8	66	750	2.8	66
Dargues	378	7.2	88	818	6.8	179	420	4.5	61	1616	6.3	327

### Ore Reserves

The Ore Reserves are a subset of Mineral Resources. All tonnages reported are dry metric tonnes. Minor discrepancies may occur due to rounding to appropriate significant figures.

<i>Ore Reserves Estimate at 31 December 2012</i>									
	Proved			Probable			Total		
	kt	g/t gold	koz	kt	g/t gold	koz	kt	g/t gold	koz
Henty	635	4.6	94	143	8.5	39	778	5.3	133
Lakeside									
Dargues	476	5.3	81	913	5.2	152	1389	5.2	233

The Gold Reserves and Resources above exclude the indirect interest Unity has in the 602,000 oz Mineral Resource of GoldStone Resources Limited, an AIM listed company in which Unity has a shareholding of 34%

#### NOTES:

**Henty** — see Figure 1

An Ore Reserve cut-off of 3.8 g/t gold and a Mineral Resource cut-off of 2.0 g/t gold have been estimated using a gold price of A\$1450.

#### Dilution:

Development	10%
Flatback stoping	10%
Avoca stoping	5%
Blind uphole stoping	15%
Modified avoca stoping	25%

The Mineral Resource estimation has used diamond drill core samples. All samples were composited to 1 metre, flagged within the geological wireframes. All samples were assayed using fire assay technique with atomic absorption finish (AU-AA25). Upper limit samples (>100 grams per tonne gold) are re-analysed using the ALS dilution method (Au-DIL). Multi element analysis is done by Aqua Regia Digestion (ICP41) and an AAS finish (OG46) is used if upper limits are reached. All domains had top top cuts applied. The mineralisation wireframe was constructed using a combination of a gold grade and alteration type at times with internal dilution included. Resource outlines were extrapolated up to half the distance to the nearest drillhole. Ordinary kriging was performed on all models based on the quantity and spacing of available data and the style of mineralisation. An in-situ bulk density of 2.8 based on 102 samples collected from ROM pad and underground development was used in the estimation. The Mineral Resource classifications were based on the estimation search pass. As a guide, the first search pass has been considered a Measured Resource, the second pass has been considered an Indicated Resource and the third search pass has been considered an Inferred Resource.

## **Lakeside**

The Lakeside deposit is located approximately 13 km northeast of the Henty Gold Mine on a wholly-owned exploration lease. The Mineral Resource estimation has used diamond drill core samples and RC chip samples. All samples were composited to 1 metre and flagged within the geological wireframes. Top cuts were not applied to the data. The mineralisation wireframe was constructed using gold grades at times including some internal dilution. Resource outlines were extrapolated half the distance to the nearest drillhole. Ordinary kriging was performed on the models based on the quantity and spacing of available data and style of mineralisation. An *in-situ* bulk density of 2.75 was used in the estimation. This information was obtained from the MRT who conducted studies of drill core in the local region. This value is considered to be suitable to the style of deposit. Due to the quality of the data, the entire deposit has been classified as an Inferred Resource.

## **Dargues** — see Figure 2

An Ore Reserve cut-off of 3.0 g/t gold (1 g/t gold for development) and a Mineral Resource cut-off of 2.0 g/t gold have been estimated using a gold price of A\$1250. Mining is to occur as top-down sub level open stoping (SLOS) with a 10% dilution factor applied to all stopes.

The Mineral Resource estimation has used diamond drill core samples and RC drill samples of which the vast majority were drilled from surface. All samples were composited to 1 metre and flagged within the geological wireframes. All samples were assayed using fire assay technique with a 50 g charge (Au-AA26) and AAS finish. A top cut of 50 g/t gold was applied to all lodes except the high grade Lode 15 where a 100 /t gold top cut was applied. The mineralisation wireframe was constructed using a 1 g/t cut off grade with up to 3 – 4 m of internal dilution included. Resource outlines were extrapolated half the distance to the nearest drill hole. Ordinary kriging was performed on all gold models based on the quantity and spacing of available data and the style of mineralisation. An *in-situ* bulk density of 2.55 were used for transitional material, 2.70 for fresh waste, 2.77 for fresh mineralisation and 2.75 for mineralised fresh diorite. These were based on 1504 core samples measured using the water immersion method. The Mineral Resource classifications were based on the drill density with Measured Resources generally being less than 20 m by 20 m, Indicated Resources generally being less than 30 m by 30 m and Inferred Resources generally being greater than 30 m by 30 m.

## **Competent Person's Statement - Unity Mining Limited**

*The Company estimates its Mineral Resources and Ore Reserves in accordance with the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2004 Edition ("JORC Code"), which governs such disclosures by companies listed on the Australian Securities Exchange.*

*Any information in this public report that relates to Ore Reserves, Mineral Resources or Exploration Results is based on, and accurately reflects, information compiled by Matt Daly in relation to Ore Reserves at Henty, Rob McLean in relation to Ore Reserves at Dargues, Raul Hollinger in relation to Mineral Resources at Henty, John Collier in relation to Mineral Resources at Dargues and Lakeside, and Angela Lorrigan in relation to Exploration Results. Daly, McLean, Hollinger and Lorrigan are Members of the Australasian Institute of Mining and Metallurgy, and Lorrigan, Collier and Hollinger are Members of the Australian Institute of Geoscientists. Daly, McLean, Collier, Hollinger and Lorrigan are full time employees of the Company and have more than five years' experience in the style of mineralisation and type of deposit under consideration and to the activity which they undertaking to qualify as Competent Persons as defined in the 2004 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Daly, McLean, Hollinger, Collier and Lorrigan have given prior written consent, where required, to the inclusion in this report of the matters based on their respective information, where applicable, in the form and context in which it appears.*

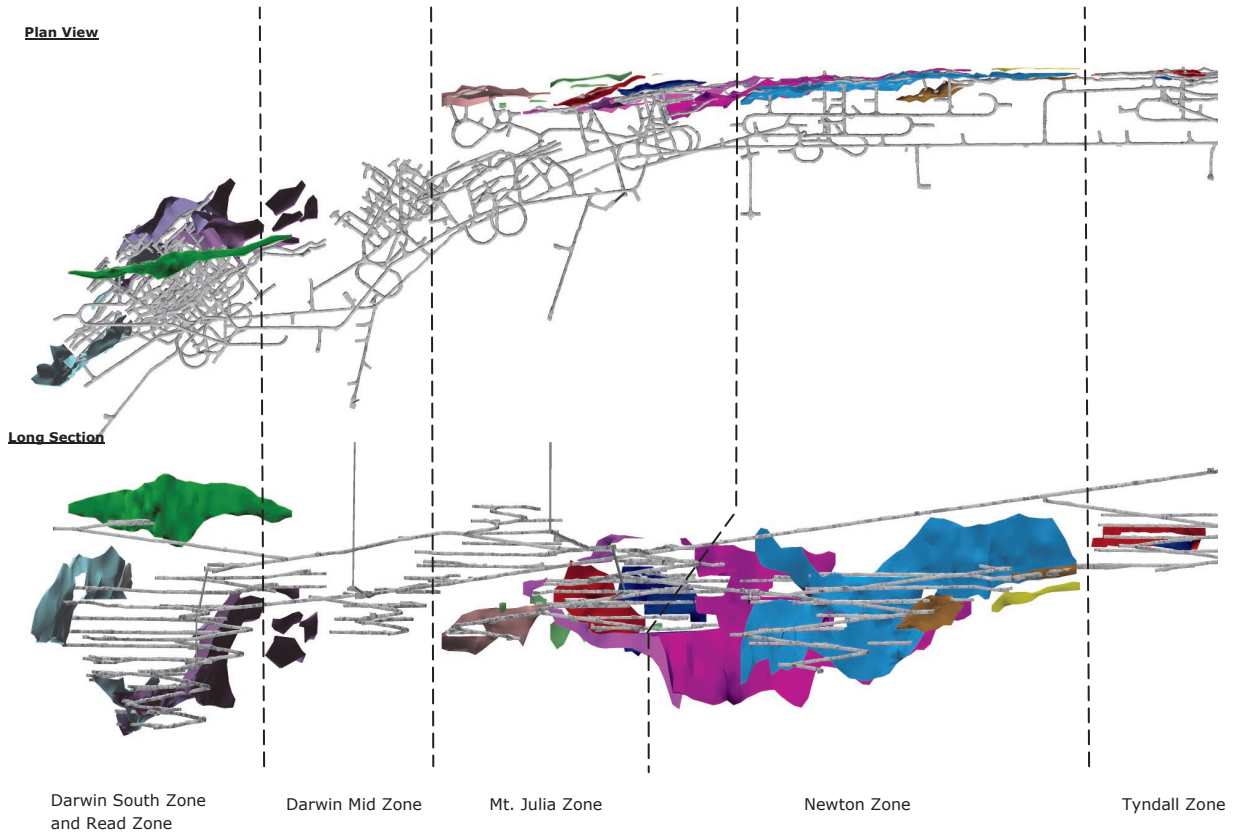


Figure 1. Henty Mineral Resources as of 31 December 2012.

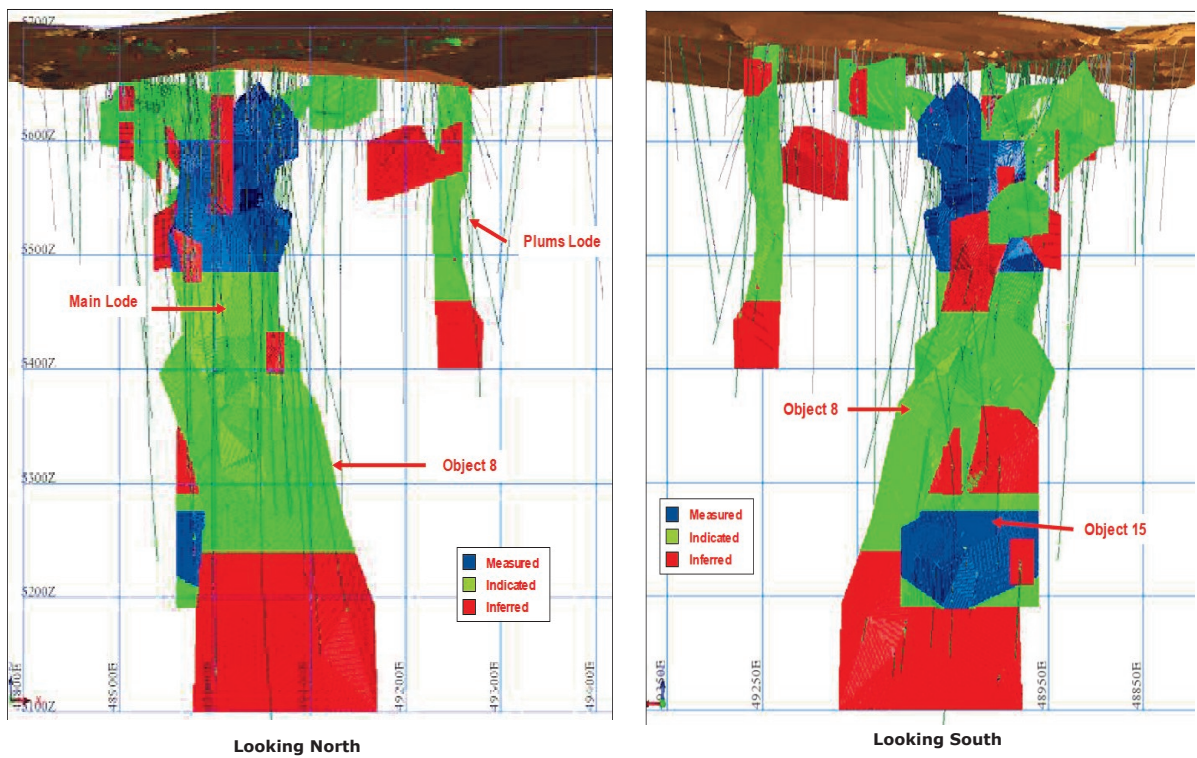


Figure 2. Dargues Mineral Resource as of 31 December 2012.

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