



LLAHUIN COPPER-GOLD PROJECT CONTINUES TO GROW WITH STRONG NEW INTERSECTIONS

Fresh drilling results up to 398m @ 0.43% Cu Equivalent confirm potential for significant resource growth

Highlights:

- Two diamond drill holes in the northern section of the Cerro de Oro Porphyry, 1km south of the Central Porphyry Zone, have intersected a breccia zone, with significant results including:

DDH-LLC-028 90m @ 0.55% Cu Equivalent from 116m

34m @ 0.52% Cu Equivalent from 220m

DDH-LLC-034 90m @ 0.48% Cu Equivalent from 12m; which includes

20m @ 0.52% Cu Equivalent from 82m (hole abandoned at 102m)

- Further drilling at the Central Porphyry has extended the higher grade core zone, with drilling returning thick intercepts including:

DDH-LLA-032 306m @ 0.42% Cu Equivalent from 128m which includes:

106m @ 0.54% Cu Equivalent from 238m

38m @ 0.44% Cu Equivalent from 366m

DDH-LLA-033 398m @ 0.43% Cu Equivalent from 32m which includes:

64m @ 0.48% Cu Equivalent from 64m

24m @ 0.53% Cu Equivalent from 134m

28m @ 0.48% Cu Equivalent from 200m

46m @ 0.85% Cu Equivalent from 232m

34m @ 0.59% Cu Equivalent from 286m

32m @ 0.53% Cu Equivalent from 338m

DDH-LLA-035 258m @ 0.40% Cu Equivalent from 64m which includes:

44m @ 0.48% Cu Equivalent from 86m

98m @ 0.45% Cu Equivalent from 192m

- Llahuin drilling to be significantly accelerated following completion of the US\$35M Llahuin farm-in agreement with Lundin Mining Corporation, providing US\$6M of committed funds for drilling.

International mining company **Southern Hemisphere Mining Limited** (ASX: SUH, TSX-V: SH) ("Southern Hemisphere" or the "Company") is pleased to report significant new drilling results from its flagship **Llahuin Copper-Gold Project** in central Chile, which continue to reinforce the potential for substantial additions to the current JORC compliant Mineral Resource inventory.



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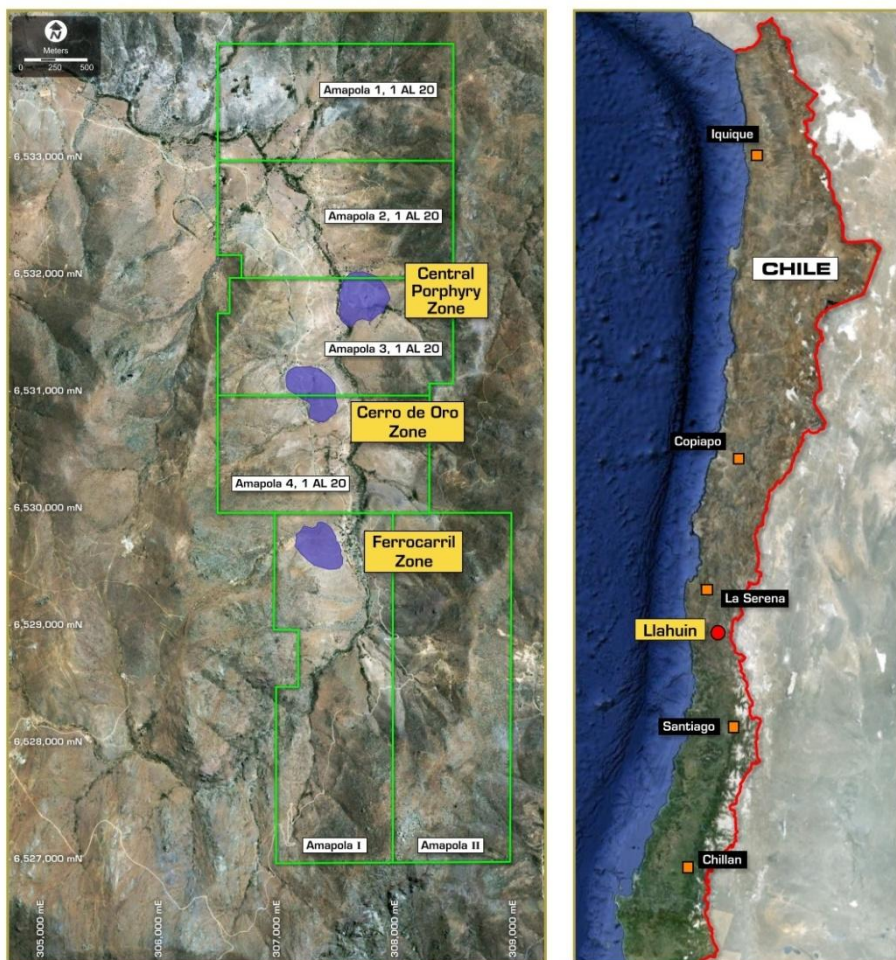
The recent results include more thick intersections of up to **398m @ 0.43% Cu Equivalent** from the Central Porphyry Zone and significant new higher grade results of up to **90m @ 0.55% Cu Equivalent** from the Cerro de Oro porphyry zone, located 1km to the south, where a breccia zone has been identified. Importantly, the latest results have further extended the high-grade core within the Central Porphyry Zone.

The current Llahuin Project Measured and Indicated Mineral Resource was announced in September (Refer TSX-V and ASX News Release dated 10 September 2012). The above additional drill results will be included in a resource model as part of a scoping study (preliminary assessment).

The drilling activities at Llahuin are set to be significantly accelerated following the recent completion of a landmark US\$35 million farm-in agreement with leading North American-based mining group Lundin Mining Corporation.

The Llahuin Copper-Gold Project is located 250km north of Santiago and 17km south of the established mining town of Combarbala in central Chile.

Location Map showing the Llahuin Central Porphyry Zone, Cerro de Oro Zone and Ferrocarril Zone:



Commenting on the new results, Southern Hemisphere's Managing Director Trevor Tennant said drilling was continuing to demonstrate significant upside to the current resource inventory at Llahuin. He said:

"The latest results show that we have a major copper-gold project on our hands at Llahuin, with significant new intercepts achieved at both the Cerro de Oro and Central Porphyry Zones."

"These results will be incorporated into an updated resource model, which will form the basis of a mining schedule to be used as part of a Desktop Scoping Study."

"With excellent results continuing to flow, we are very much looking forward to the new accelerated drilling campaign following our recently completed farm-in agreement and strategic investment by Lundin Mining. We are confident that sustained drilling in the coming months will provide a definitive overview of the scale and potential of the Llahuin Project."

Cerro de Oro Zone ("Cerro de Oro")

The Cerro de Oro Zone is located between the Central Porphyry and Ferrocarril Zones. Breccia rock was identified in the northern part of Cerro de Oro. Drilling conditions there have proved to be difficult as drilling has intersected high alteration material.

The next program planned for Cerro de Oro includes deeper drilling by completing reverse circulation pre-collars with diamond drill hole extensions.

The location of the recent Cerro de Oro drill holes:



Cerro de Oro Drill Traces



Highlights from the recent drilling at Cerro de Oro are set out below:

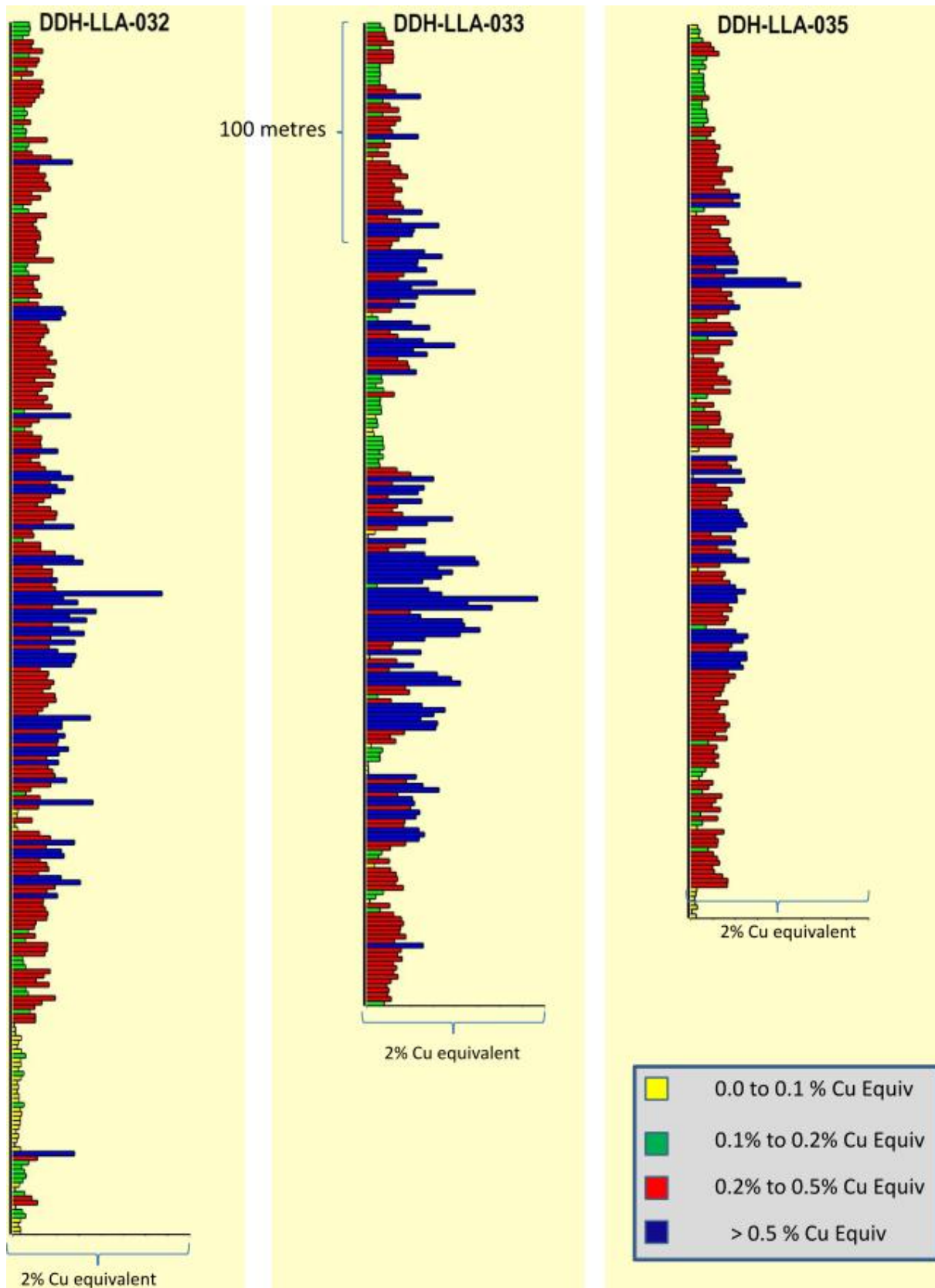
Hole ID	Intersect m	From	% Cu	g/t Au	% Cu Eq*
DDH-LLC-028	90	116	0.48	0.10	0.55
	34	220	0.44	0.11	0.52
DDH-LLC-029	22	0	0.30	0.16	0.41
DDH-LLC-030	62	0	0.28	0.26	0.45
	48	76	0.29	0.21	0.43
DDH-LLC-034	90	12	0.42	0.10	0.48
Includes	20	82	0.47	0.09	0.52

Central Porphyry

The location of the Central Porphyry higher grade core drill holes:



Central Porphyry Drill Traces



Additional drilling at the Central Porphyry Zone has delivered further broad intercepts which indicate the potential for further significant additions to the Mineral Resource inventory.

Highlights from the recent drilling at the Central Porphyry Zone are set out below:

Hole ID	Intersect m	From	%Cu	g/t Au	%Cu Eq*
DDH-LLA-032	306	128	0.31	0.16	0.42
Includes	106	238	0.35	0.28	0.54
Includes	38	366	0.34	0.15	0.44
DDH-LLA-033	398	32	0.36	0.12	0.43
Includes	64	64	0.41	0.11	0.48
Includes	24	134	0.45	0.13	0.53
Includes	28	200	0.33	0.24	0.48
Includes	46	232	0.64	0.32	0.85
Includes	34	286	0.52	0.10	0.59
Includes	32	338	0.47	0.10	0.53
DDH-LLA-035	258	64	0.34	0.09	0.40
Includes	98	192	0.38	0.11	0.45
Includes	44	86	0.38	0.14	0.48

Ferrocarril

An IP and ground magnetic survey has been commissioned and is underway. This survey will cover the Ferrocarril area. A drill program will be planned on receipt of the interpretations of this survey.

Drill Hole Locations

All drill hole locations for the Llahuin resource drilling programs to date are available on the Company's website at www.shmining.com.au.

Geology

Refer to the 18 July 2011 ASX and TSX-V News Release for Llahuin Copper Project geological information.

*Copper Equivalent (or "Cu Eq")

The copper equivalent calculations represent the total metal value for each metal, multiplied by the conversion factor, summed and expressed in equivalent copper percentage. Only gold and copper analysis results have been taken into account in the copper equivalent calculation. These results are exploration results only and no allowance is made for recovery losses that may occur should mining eventually result. It is the Company's opinion that elements considered have a reasonable potential to be recovered as evidenced in similar multi-commodity natured mines.

Copper equivalent conversion factors and long-term price assumptions used are stated below:

Copper Equivalent Formula= $\text{Cu \%} + \text{Au (g/t)} \times 0.72662$
Price Assumptions- Cu (US\$3.40/lb), Au (US\$1,700/oz)



Significant Intercepts

Other holes and intercepts in this News Release that are not highlighted were insignificant or generally had a copper equivalent of less than 0.24%. Anomalous intercepts of less than 10m and 0.40% copper equivalent were also not reported as highlights.

Sampling and Analysis Procedures

5kg samples were taken from each two metre interval. The samples are derived from riffle splitting each intercept. The samples were sent to Andes Analytical Assay Ltda (Chile) in Santiago for sample preparation and analysis. Duplicate samples were taken on a 1 in 20 basis. The core from diamond drill holes was halved and each 2m interval of halved core submitted for analysis. Analysis was undertaken using fire assay (for gold analysis) with an atomic absorption spectrometry finish. Andes Analytical Assay Ltda. (Chile) is an independent full service commercial laboratory accredited under ISO 9001:2008. Standard samples and repeat analyses were used by the laboratory to provide checks on the assay results.

-ENDS-

About Southern Hemisphere Mining Limited

Southern Hemisphere Mining Limited is listed on the Australian Stock Exchange (ASX Code "SUH") and the Toronto Stock Exchange – Venture (TSXV Code "SH"). Southern Hemisphere has accumulated a diverse portfolio of assets in **Chile, South America**. The Company's focus is the **100% owned Llahuin Copper-Gold Project**, where the objective is to build a bulk tonnage **Copper/Gold operation**. The Company also holds the **100% owned Chitigua Project**, a 172 km² property located on the prestigious Western Fault which hosts Chile's largest copper porphyry deposits. Further details on Southern Hemisphere can be found at www.shmining.com.au

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Competent Person / Qualified Person Statement

Mr Trevor Tennant is a Fellow of the Australasian Institute of Mining and Metallurgy, is a 'Competent Person' as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' and is a 'Qualified Person' under National Instrument 43-101 - 'Standards of Disclosure for Mineral Projects'.

Mr. Tennant has reviewed the current drilling results and consents to the inclusion of exploration results and other such information in this News Release in the form and context in which it appears.

