

**ASX Announcement**

**1 August 2025**

## **Clarification of Metal Recovery Assumptions in CuEq Reporting**

Southern Hemisphere Mining Limited ("Southern Hemisphere" or "the Company") (ASX: SUH, FWB: NK4) provides the following clarification regarding the copper equivalent (CuEq) reporting in accordance with Clause 50 of the JORC Code (2012 Edition) in the Company's recent Mineral Resource Estimate (MRE) update for the Llahuin Copper-Gold Project ("Original Announcement").

The CuEq values presented in the MRE are based solely on in situ metal grades and relative metal prices only. For comparison purposes 100% recovery has been assumed across all metals in the CuEq calculation. These assumptions are offset by the use of conservative metal prices and appropriately selected cut-off grades.

The metallurgical test work undertaken to date was not based on optimised flowsheets for all metals and may not reflect ultimate recoverable values. Accordingly, the recoveries referenced elsewhere in the Original Announcement should be viewed as preliminary and conservative – effectively representing the lower bound of a potential recovery range.

The Company considers that adopting the historical metallurgical recoveries is considered potentially misleading at this stage while further testwork is yet-to-be completed, and accordingly the 100% recoveries have been selected on the basis stated in this announcement and the Original Announcement.

The metallurgical testwork to date has followed a conventional copper flotation pathway (as confirmed by Sedgman) and is expected to behave in line with typical porphyry copper systems. Multi element assaying across the drillhole database has not identified deleterious mineralogical elements that might materially impact recoverability.

Optimised metallurgical test work will be done at the appropriate level for the appropriate stage (Scoping Study, PFS and then DFS level) when the total volume of mineralisation is at a scale warranting a Scoping Study/ PFS.

To clarify, the CuEq grade reported reflects relative metal prices only and assumes 100% in situ recovery across all metals. The Company confirms that it is not relying on this assumption as a basis for economic viability but rather to allow comparative assessment of multi-element mineralisation.

It is the Company's opinion that all metals included in the CuEq calculation (Cu, Au, Mo) have reasonable potential to be recovered and sold, based on the near-surface location of mineralisation and comparison with similar porphyry-style deposits.

The Company will provide updated CuEq inputs, including revised metallurgical recoveries, as additional results become available during the Scoping Study and PFS stages.

Approved for release by the Chairman.

### **CONTACTS:**

For further information on this update or the Company generally, please visit our website at [www.shmining.com.au](http://www.shmining.com.au) or contact the Company :

[cossec@shmining.com.au](mailto:cossec@shmining.com.au)

Telephone: +61 8 6144 0590.