

ASX Announcement

22 July 2025

**QUARTERLY ACTIVITY REPORT  
FOR THE PERIOD ENDED 30 JUNE 2025**

**Highlights:**

- Farm-in Partner FMR Resources to drill the highly prospective Curiosity-Southern Porphyry Copper-Gold Target
- FMR Resources to fund up to \$13m exploration expenditure and payment of \$2.67m over two stages to earn up to 60% of the JV
- Stage 1 includes a minimum of one 1,400m drill hole in the Curiosity Target scheduled for Q4 CY2025
- Southern Hemisphere retains 100% of all JORC resources at Llahuin, Resource update pending
- Excellent correlation between Magneto-Telluric (MT) survey, litho-geochemical depth target modelling and Induced Polarisation (IP) data over the large Curiosity Copper-Gold Target at Llahuin
- The new Ferro West low resistivity MT target west of the Ferro copper deposit also has copper oxides at surface identified from detailed surface geological mapping program
- Two new exploration licences under application in the Collier Basin, Western Australia. The Collier Basin is prospective for high grade copper-lead-zinc

Southern Hemisphere Mining Limited ("Southern Hemisphere" or "the Company") (ASX: SUH, FWB: NK4) reports the quarterly activity for the period ended 30 June 2025.



*Figure 1: Location map of Southern Hemisphere's Projects in South America.*

## EXPLORATION ACTIVITIES

The Company executed a conditional, binding terms sheet with FMR Resources Limited (ASX: FMR) under which FMR has the right to earn up to a 60% interest in 4 concessions that form the southern portion of SUH's Llahuin Copper-Gold Project in Chile, including the large Curiosity Southern Copper-Gold Target.

SUH will retain 100% of the northern concessions, which includes the mineral resources announced on 18 August 2013. A resource update is pending in the coming weeks. Also excluded is an area comprising the Ferro deposit, Ferro South and the Ferro West Target and any extensions thereof which is to the north of AMAPOLA 1, 1 AL 300 – RED 1/228. A map showing the concessions and the material terms of the binding terms sheet with FMR is contained in *ASX announcement dated 16 June 2025 – Curiosity-Southern Porphyry Copper-Gold JV for Deep Drilling*.

The Company will continue its focus on exploration on existing and current resources at Llahuin towards a mine scale resource, with substantial opportunities for resource expansion both open pit and underground, including the MT copper target Ferro West reported on 22 April 2025.

The Company will also commence exploration activities on its 100% owned Cardawan Copper Project in Western Australia once the tenements have been granted.

As announced to the market subsequent to the quarter end, FMR Resources Limited will continue to conduct exploration activities to define phase I drilling target areas with drilling on track to commence in Q4 2025. (refer *ASX Announcement dated 9 July 2025, Drilling Target Areas Refined at Curiosity-Southern Porphyry*).

### The Magneto-Telluric (MT) Deep Target Study

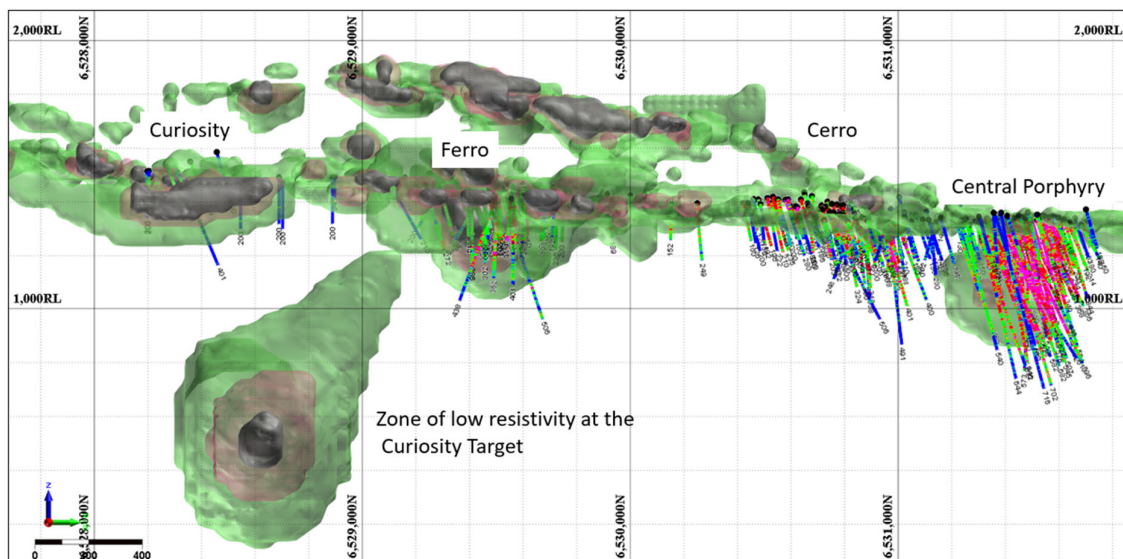
#### *Curiosity Copper-Gold Target*

Results were reported from the recently completed deep penetrating Magneto-Telluric ("MT") geophysical survey, completed over the 100% owned Llahuin Project.

The MT survey was successful in establishing a clear correlation between the previously announced litho-geochemical Fathom depth target model for mineralisation comprising the Curiosity Copper-Gold Target, a sub-circular target 1km to 2km in diameter and this large MT resistivity anomaly extending significantly to depth.

#### *Ferro West Copper Target*

The MT survey was also successful in defining a second large resistivity anomaly west of the Ferro deposit at Llahuin in establishing a sub-circular target 500m in diameter and extending to 500m deep.



**Figure 2. Llahuin Magneto-Telluric 3D Inversion Resistivity long section with north to right and MT Resistivity shells with green <100Ωm, pink <50Ωm and grey <35Ωm. Drill traces overlain.**

## **Cardawan Copper Project**

The new Cardawan licence applications (ELA 52/4433 and ELA 52/4434) are located approximately 160km south of Newman, and the Great Northern Highway runs through the project. The tenements are 169 and 8 blocks size respectively. (Approximately 3km<sup>2</sup> per block).

This large copper prospect was pegged during the quarter by the Company based on an exploration concept for sedimentary hosted copper deposits. The historic Kumarina Group of copper deposits and prospects are along strike and in adjacent to other tenements to the east of Cardawan. The Abra lead silver mine is 70km west of the Cardawan Copper Project and the DeGrussa VMS copper gold silver mine is approximately 100km south.

Preliminary exploration work is in progress as an early-stage low-cost high impact copper prospect in an excellent location both geologically and strategically.

Sedimentary hosted copper deposits are common in the Zambian copperbelt.

## **Los Pumas Battery Metals Manganese Project 100%**

The Los Pumas Project is an advanced manganese deposit for which Southern Hemisphere is seeking offtake/JV funding/sale for a long life mine to produce:

- Agriculture products for soil improvement;
- Electrolytic Manganese for steel making; and/or
- High-Purity Manganese Sulphate Monohydrate ("HPMSM") to supply the Electric Vehicle ("EV") and energy storage markets.

Southern Hemisphere is actively marketing this project, and welcome any inquires to [cosec@shmining.com.au](mailto:cosec@shmining.com.au)

## **CORPORATE ACTIVITIES**

### **Additional information required by ASX Listing Rule 5.3:**

As at 30 June 2025, the Company had \$1.26m cash available after the following payments were made during the quarter:

- \$217k on exploration activities (refer to item 1.2(a) of the attached Appendix 5B), relating to patents, assays, field expenses and geological consulting costs (ASX Listing Rule 5.3.1);
- There were no mining and development activities during the quarter (ASX Listing Rule 5.3.2); and
- \$81k on payments to related parties or their associates (refer to item 6.1 of the attached Appendix 5B) which included (ASX Listing Rule 5.3.5) Director's fees, consulting fees, equipment hire, office lease expenses and superannuation.

The Directors have again taken the opportunity to accumulate and increase their shareholdings, purchases during the quarter totalled approximately \$12k.

Accrued VAT incurred and claimable across the Company's Chilean subsidiaries now total circa A\$4.19m. The Company's consultants are continuing to work on options for early recoupment of part or all. In any event these amounts are available for recoupment against equivalent VAT sales of product/assets at any time.

## **Approved by the Board of Directors**

### **CONTACTS:**

For further information on this announcement or the Company generally, please visit our website at

[www.shmining.com.au](http://www.shmining.com.au) or contact the Company.

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

Ph 08 6144 0590

**References:**

**LLAHUIN COPPER-GOLD PROJECT**

ASX Release – Large MT Geophysical Copper Target at Llahuin, Chile – 15 April 2025.  
ASX Release – New Large Ferro West Shallow MT Resistivity Copper Target – 22 April 2025.  
ASX Release – JV – Curiosity Southern Copper-Gold Target – 16 June 2025.  
ASX Release – Drilling Target Areas Refined at Curiosity-Southern Porphyry – 9 July 2025.

**LOS PUMAS BATTERY METALS MANGANESE PROJECT**

ASX Release – Company Presentation – Los Pumas Manganese Project, Chile – 20 May 2024.  
ASX Release – Intension to Demerge Battery Minerals Asset – 5 July 2023.

**CARDAWAN COPPER PROJECT**

ASX Release – New Cardawan Copper Project WA – 29 April 2025.

Southern Hemisphere confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements, and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Persons findings are presented have not been materially modified from the original market announcements.

## BACKGROUND INFORMATION ON SOUTHERN HEMISPHERE MINING LIMITED:

Southern Hemisphere Mining Limited is an experienced minerals explorer in Chile, South America. Chile is the world's leading copper-producing country and one of the most prospective regions of the world for major new copper discoveries. The Company's projects include the Llahuin Porphyry Copper-Gold-Moly Project and the Los Pumas Battery Metals Manganese Project, both of which were discovered by the Company.

**Llahuin Copper/Gold/Moly Project: Total Measured and Indicated Resources - JORC (2004) Compliant. As announced to the market on 18 August 2013.**

Resource (at 0.28% Cu Equiv cut-off)	Tonnes Millions	Cu %	Au g/t	Mo %	Cu Equiv*
Measured	112	0.31	0.12	0.008	0.42
Indicated	37	0.23	0.14	0.007	0.37
<b>Measured plus Indicated</b>	<b>149</b>	<b>0.29</b>	<b>0.12</b>	<b>0.008</b>	<b>0.41</b>
Inferred	20	0.20	0.19	0.005	0.36
<b>Total M+I+I</b>	<b>169</b>	<b>0.28</b>	<b>0.128</b>	<b>0.008</b>	<b>0.40</b>

**Note: \*Copper Equivalent ("Cu Equiv"):** The copper equivalent calculations represent the total metal value for each metal, multiplied by the conversion factor, summed and expressed in equivalent copper percentage. 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:

### Notes on copper recovery from historical testwork

- "Recoveries of copper vary between 75% Cu and 91% Cu with the weighted average of the results being 84% Cu, which is a typically acceptable commercial level";
  - "Recoveries of gold vary between 41% Au and 57% Au, which is in line with expectations given the relatively low gold grades within the deposit"; and
  - "Flotation concentrates produced during testing contained the resource weighted average copper grade of 28% Cu and 4.9g/t Au. They also contained low levels of deleterious materials in the concentrate. Given that these tests were designed to set parameters and were not optimized, the results indicated good flotation process characteristics".
- Copper Equivalent Formula= Cu % + Au (g/t) x 0.72662 + Mo % x 4.412 Price Assumptions- Cu (\$3.20/lb), Au (\$1,700/oz), Mo (\$12.50/lb)

**Los Pumas Manganese Project: Total Measured and Indicated Resources - JORC (2012) Compliant. As announced to the market on 3 May 2023.**

Resource (at 2.5% Mn cut-off)	Tonnes	Mn %	Al%	Fe2O3%	K%	P%	SiO2%	SG%
Indicated	23,324,038	6.21	5.71	2.78	2.98	0.05	57.07	2.15
Inferred	6,940,715	6.34	5.85	3.05	2.83	0.05	54.61	2.14
<b>Indicated plus Inferred</b>	<b>30,264,753</b>	<b>6.24</b>	<b>5.74</b>	<b>2.84</b>	<b>2.95</b>	<b>0.05</b>	<b>56.50</b>	<b>2.15</b>

Total JORC Resources for the Los Pumas Manganese Project at a 2.5% Mn cut-off.

In relation to the above resources, the Company confirms that it is not aware of any new information or data that materially affects the information in the announcements, and all material assumptions and technical parameters in the announcements underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

### COMPETENT PERSON / QUALIFIED PERSON STATEMENT:

The information in this report that relates to copper and gold exploration results for the Company's Projects is based on information compiled by Mr Adam Anderson, who is a Member of The Australasian Institute of Mining and Metallurgy and The Australian Institute of Geoscientists. Mr Anderson has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration, and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Anderson is a consultant for the Company and consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

## Tenement List

Project	Tenement	Interest Acquired during the Qtr	Interest Disposed of during the Qtr	Interest Held at the end of the Qtr
<b>Chile</b>				
Llahuin	AMAPOLA 1 1 AL 20	-	-	100%
Llahuin	AMAPOLA 2 1 AL 20	-	-	100%
Llahuin	AMAPOLA 3 1 AL 20	-	-	100%
Llahuin	AMAPOLA 4 1 AL 20 - RED 1/18	-	-	100%
Llahuin	AMAPOLA I 1 AL 300 RED 1/228	-	-	100%
Llahuin	AMAPOLA II 1 AL 300 RED 1/256	-	-	100%
Llahuin	AMAPOLA 5	-	-	100%
Llahuin	AMAPOLA 6 1 AL 4	-	-	100%
Llahuin*	AMAPOLA 7 1 AL 80	-	-	-
Los Pumas	AWAHOU 1 AL 20	-	-	100%
Los Pumas	EMANUEL 1 AL 20	-	-	100%
Los Pumas	PUTRE I AL 20	-	-	100%
Los Pumas	PUTRE II AL 20	-	-	100%
Los Pumas	LLUTA I 1 AL 60 RED 1/54	-	-	100%
Los Pumas	LLUTA II 1 AL 300 RED 1/285	-	-	100%
Los Pumas	PUTRE 6, 1 AL 20 RED 1/11	-	-	100%
Los Pumas	PUTRE 5	-	-	100%
Colina	COLINA2 1 AL 30	-	-	100%
<b>Australia</b>				
Cardawan*	E52/4433	-	-	-
Cardawan*	E52/4434	-	-	-

\* Applications in progress

## Appendix 5B

### Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Name of entity

SOUTHERN HEMISPHERE MINING LIMITED

ABN

17 140 494 784

Quarter ended ("current quarter")

30 JUNE 2025

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (12 months) \$A'000
<b>1.</b>	<b>Cash flows from operating activities</b>		
1.1	Receipts from customers	-	-
1.2	Payments for		
	(a) exploration & evaluation	(217)	(1,748)
	(b) development	-	-
	(c) production	-	-
	(d) staff costs	(172)	(864)
	(e) administration and corporate costs	(93)	(496)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	4	84
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	-	-
1.8	Other (provide details if material)	-	-
<b>1.9</b>	<b>Net cash from / (used in) operating activities</b>	<b>(478)</b>	<b>(3,024)</b>
<b>2.</b>	<b>Cash flows from investing activities</b>		
2.1	Payments to acquire or for:		
	(a) entities	-	-
	(b) tenements	-	(33)
	(c) property, plant and equipment	-	-
	(d) exploration & evaluation	-	-
	(e) investments	-	-
	(f) other non-current assets	-	-



Consolidated statement of cash flows		Current quarter \$A'000	Year to date (12 months) \$A'000
2.2	Proceeds from the disposal of:		
	(a) entities	-	-
	(b) tenements	20	30
	(c) property, plant and equipment	-	-
	(d) investments	-	-
	(e) other non-current assets	-	-
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other (provide details if material)	-	-
<b>2.6</b>	<b>Net cash from / (used in) investing activities</b>	<b>20</b>	<b>(3)</b>

<b>3.</b>	<b>Cash flows from financing activities</b>		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	-
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	-	-
3.5	Proceeds from borrowings	-	-
3.6	Repayment of borrowings	-	(364)
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other (provide details if material)	-	-
<b>3.10</b>	<b>Net cash from / (used in) financing activities</b>	<b>-</b>	<b>(364)</b>

<b>4.</b>	<b>Net increase / (decrease) in cash and cash equivalents for the period</b>		
4.1	Cash and cash equivalents at beginning of period	1,720	4,663
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(478)	(3,024)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	20	(3)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	-	(364)



Consolidated statement of cash flows		Current quarter \$A'000	Year to date (12 months) \$A'000
4.5	Effect of movement in exchange rates on cash held	(6)	(16)
4.6	<b>Cash and cash equivalents at end of period</b>	<b>1,256</b>	<b>1,256</b>

5.	Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current quarter \$A'000	Previous quarter \$A'000
5.1	Bank balances	256	220
5.2	Call deposits	1,000	1,500
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
5.5	<b>Cash and cash equivalents at end of quarter (should equal item 4.6 above)</b>	<b>1,256</b>	<b>1,720</b>

6.	Payments to related parties of the entity and their associates	Current quarter \$A'000
6.1	Aggregate amount of payments to related parties and their associates included in item 1	81
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-

*Note: if any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a description of, and an explanation for, such payments..*

7.	Financing facilities <i>Note: the term "facility" includes all forms of financing arrangements available to the entity. Add notes as necessary for an understanding of the sources of finance available to the entity.</i>	Total facility amount at quarter end \$A'000	Amount drawn at quarter end \$A'000
7.1	Loan facilities	-	-
7.2	Credit standby arrangements	-	-
7.3	Other (please specify)	-	-
7.4	<b>Total financing facilities</b>	-	-
7.5	<b>Unused financing facilities available at quarter end</b>		-
7.6	Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.		

8.	Estimated cash available for future operating activities	\$A'000
8.1	Net cash from / (used in) operating activities (item 1.9)	(478)
8.2	(Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	-
8.3	Total relevant outgoings (item 8.1 + item 8.2)	(478)
8.4	Cash and cash equivalents at quarter end (item 4.6)	1,256
8.5	Unused finance facilities available at quarter end (item 7.5)	-
8.6	Total available funding (item 8.4 + item 8.5)	1,256
8.7	<b>Estimated quarters of funding available (item 8.6 divided by item 8.3)</b>	2.63
<i>Note: if the entity has reported positive relevant outgoings (ie a net cash inflow) in item 8.3, answer item 8.7 as "N/A". Otherwise, a figure for the estimated quarters of funding available must be included in item 8.7.</i>		
8.8	If item 8.7 is less than 2 quarters, please provide answers to the following questions:	
8.8.1	Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not?	
	N/A	
8.8.2	Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?	
	N/A	
8.8.3	Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?	
	N/A	
<i>Note: where item 8.7 is less than 2 quarters, all of questions 8.8.1, 8.8.2 and 8.8.3 above must be answered.</i>		

### Compliance statement

- 1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
- 2 This statement gives a true and fair view of the matters disclosed.

Date: 22 July 2025

Authorised by: By the Board  
(Name of body or officer authorising release – see note 4)

**Notes**

1. This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.
2. If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, *AASB 6: Exploration for and Evaluation of Mineral Resources* and *AASB 107: Statement of Cash Flows* apply to this report. If this quarterly cash flow report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to this report.
3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.
4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [name of board committee – eg Audit and Risk Committee]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".
5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's *Corporate Governance Principles and Recommendations*, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.