



## **Calingiri Project, WA**

The Company was pleased to announce in June 2017 that **new drilling confirmed Calingiri-style Copper - Molybdenum mineralisation** at Dasher East and Bindi SW. A small (704m) program of 7 Reverse Circulation (RC) holes intersected Calingiri style copper-molybdenum mineralisation with all holes containing significant (>0.10%) copper mineralisation. Further exploration involving IP surveying and systematic drilling is planned to further evaluate these large target areas defined by previous aircore drilling.

Early in July 2017 the company announced that the Mitchell River Group ("MRG") were appointed to commence a detailed study utilising cutting-edge ore sorting technology to remove barren material from ore prior to milling and processing that may materially increase ore grade. In addition, a desktop study completed by MRG indicated that successful **sorting of Calingiri ore would significantly reduce project Opex and Capex**. If testwork confirms the desktop study, the Calingiri ore grade is expected to be materially benefited with significant flow through improvements to the project economics.

A program of works to test the bulk ore sorting technology is underway and the budget to complete a number of activities approximates \$350,000. Reporting of outcomes is expected in Q4 2017.

## **Private Placement**

On 7<sup>th</sup> July the Company announced that it had received commitments from investors to raise \$0.8m through the issue of 16.0m shares at an issue price of \$0.05 per share and 1 free attaching unlisted option for each 2 shares issued, exercisable at \$0.075. Tranche 1 of the placement was closed on 13 July and raised gross proceeds of \$677,700.

## **Farm-In Agreement**

On 7<sup>th</sup> June 2017 the Company was pleased to announce that it had retained 100% of the Calingiri Project as a consequence of the withdrawal of First Quantum Minerals from a Farm-In.

## **CFO and Company Secretary**

On 12<sup>th</sup> May Caravel announced it had appointed Dale Hanna as Chief Financial Officer and Company Secretary. Mr Hanna is a qualified Chartered Accountant and Company Secretary with 14 years' experience working with ASX listed mining and resource companies.

## **Quarterly Activities Report For the period ended 30 June 2017**

Caravel Minerals Limited ("Caravel") is an Australian-based gold, copper and base metals exploration and resource development company with projects located in Western Australia. The Company is listed on the Australian Securities Exchange (code: CVV). Caravel has a technically strong and well established exploration and mine development team backed by an experienced Board and panel of advisors.

The Company is an emerging growth story with compelling projects in WA. The Company's flagship is the Calingiri Copper Project, 120km from Perth, with a JORC Scoping Study that was released in June 2016. The study confirmed Calingiri's potential as a low-cost mid-tier copper producer with low Capex and robust economics. The second project in WA is the Bryah Project that comprises 50 km<sup>2</sup> of the Lower Narracook Sequence that host the Degruusa and Monty VHS deposits.

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# CALINGIRI

## Advancing WA's 2nd largest Copper Project with Innovative Green Technologies

### Calingiri Project WA

#### Bulk Ore Sorting Testwork Q3-4 2017

Bulk ore sorting is a proven pre-concentration technology in which barren gangue is separated from mineralisation based on the grade as measured or inferred from a sensor measurement. With bulk ore sorting, ore that previously didn't qualify for processing may be upgraded, making it economic to treat and improving the resource utilisation. More valuable metal may be extracted from the resource while the processing plant treats less tonnes at higher feed grade, reducing consumption of water and power as well as lower tailings output. Significant capital reductions may also be achieved through smaller back end milling and processing requirements.

The technology is based on industry proven, high capacity industrial sorting machines from major international equipment suppliers, with well established businesses in industrial minerals and material recycling.

Mitchell River Group<sup>1</sup> ("MRG") have commenced a detailed study utilising cutting-edge ore sorting technology to remove barren material from ore prior to milling and processing that may significantly increase ore grade. A desktop study completed by MRG indicates that sorting of Calingiri ore can significantly reduce project Opex and Capex. If testwork confirms the desktop study, the Calingiri ore grade is expected to be materially beneficiated with significant flow through improvements to the project economics.

A program of works is underway and the budget to complete a number of activities approximates \$350,000. The activities and associated timeframes are as follows:

Activity	Provider	2017 Projected Completion
Desktop Study – high-level evaluation	MRG	Completed
Diamond drilling	Orbit Drilling	July
Comminution testwork	SGS	August
Ore sorting and assessment	MRG	August - September
Metallurgical laboratory testwork	SGS/Arnofio	October - November
Results and Reporting	MRG and CVV	November - December

## Exploration Results June 2017

Drilling results announced on 22<sup>nd</sup> June 2017 confirmed Calingiri-style Copper-Molybdenum mineralisation at Dasher East and Bindi SW with highlights including:

- A small (704m) program of 7 Reverse Circulation (RC) holes intersected Calingiri style copper-molybdenum mineralisation at the Dasher East and Bindi SW Prospects with all holes containing significant (>0.10%) copper mineralisation
- Further exploration involving IP surveying and systematic drilling is planned to further evaluate these large target areas defined by previous aircore drilling
- Initial drilling (8 holes for 720m) at the A1 Prospect has intersected geology and geochemistry supporting its VMS potential

## Farm-In Agreement with FQM

On 7<sup>th</sup> June 2017 the Company advised that an agreement has been reached with FQM for them to withdraw from the Farm-In Agreement over the Calingiri Project (see original ASX release 1 June 2015). As a result, Caravel will continue with 100% of the Calingiri Project, the second largest contained copper project in Western Australia. FQM retains a 7.3% shareholding in the Company.

## Private Placement

The Company was pleased to announce that it has received commitments from investors to raise gross proceeds of \$0.8m through the issue of 16.0m shares at an issue price of \$0.05 per share. Subject to shareholder approval, investors participating will be issued 1 free attaching unlisted option exercisable at \$0.075 for each 2 shares issued, expiring in August 2019.

The proceeds will be used to fund the Calingiri ore sorting study and associated testwork and for working capital.

The Placement will occur in two tranches:

- Tranche 1 comprised the issue of approximately 13.554M shares to raise approximately \$677,200 (completed on 13<sup>th</sup> July 2017); and
- Tranche 2, which is subject to shareholder approval, will comprise the issue of approximately 2.446M shares to raise approximately \$122,300 and all the attached unlisted options.

## CFO and Company Secretary

On 12<sup>th</sup> May the Company advised that it had appointed Dale Hanna as Chief Financial Officer (CFO) and Company Secretary (CoSec). This followed the resignation of Rowen Colman as CFO. Mr Hanna also replaced our retiring CoSec Simon Robertson. Mr Hanna is a qualified Chartered Accountant and Company Secretary with 14 years' experience working with ASX listed mining and resource companies, including senior roles with Helix Resources Ltd, Lemur Resources Ltd., Dominion Mining Ltd and others.

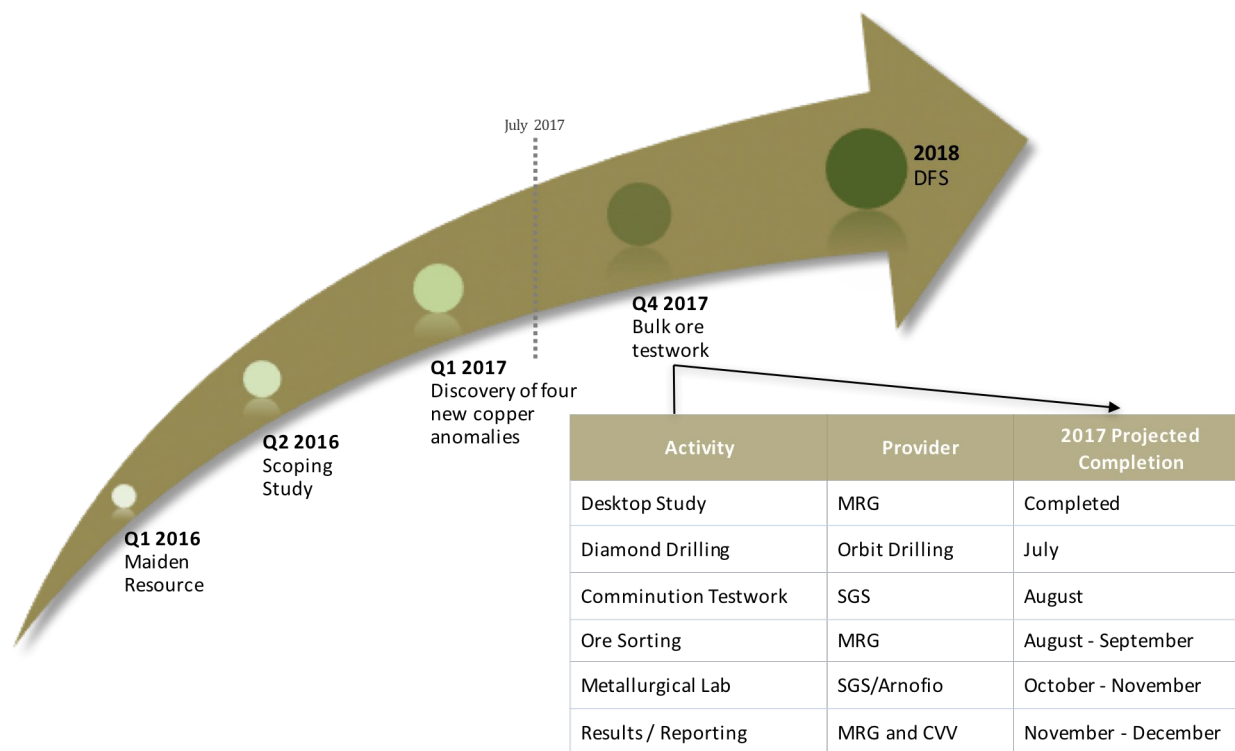
## Bryah Project

No exploration activities were carried out on the Bryah Project during the quarter.

## Occupational Health & Safety

The Company incurred zero LTI's during the quarter and the Company's 12 month moving average Lost Time Injury Frequency Rate (LTIFR) was also zero. The Company's recent safety record remains unblemished and can be attributed to the diligence and training of all staff and contractors together with initiatives and continuous improvements that have been undertaken.

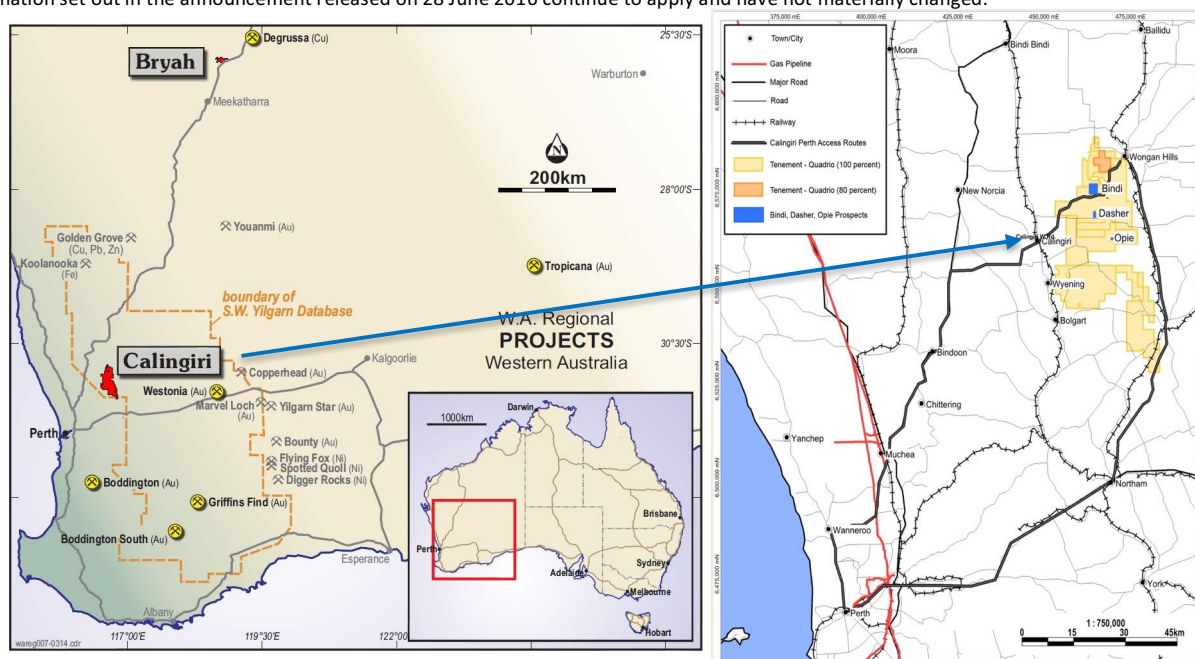
## Calingiri Project Schedule:



**1. Competent Persons Statements** The information in this report that relates to the Calingiri Mineral Resource estimates is extracted from an ASX Announcement dated 4 April 2016, (see ASX Announcement – 4 April 2016 “Calingiri Maiden JORC Resource” and in relation to the Aircore Drilling, results is extracted from ASX Announcements dated 14 March and 4 April 2017, [www.caravelminerals.com.au](http://www.caravelminerals.com.au) and [www.asx.com.au](http://www.asx.com.au) ). The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the Mineral Resource estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person’s findings are represented have not been materially modified from the original market announcement.

**2. Forward Looking Statements.** This document may include forward looking statements. Forward looking statements include, but are not necessarily limited to, statements concerning Caravel Minerals planned exploration programmes, studies and other statements that are not historic facts. When used in this document, the words such as “could”, “indicates”, “plan”, “estimate”, “expect”, “intend”, “may”, “potential”, “should” and similar expressions are forward looking statements. Such statements involve risks and uncertainties, and no assurances can be provided that actual results or work completed will be consistent with these forward looking statements.

**3. Production Targets and Financial Information.** Information in relation to the Calingiri Project Scoping Study, including production targets and financial information, included in this report is extracted from an ASX Announcement dated 28 June 2016, (see ASX Announcement – 28 June 2016, “Scoping Study Confirms Outstanding WA Copper Project”, [www.caravelminerals.com.au](http://www.caravelminerals.com.au) and [www.asx.com.au](http://www.asx.com.au). The Company confirms that all material assumptions underpinning the production target and financial information set out in the announcement released on 28 June 2016 continue to apply and have not materially changed.

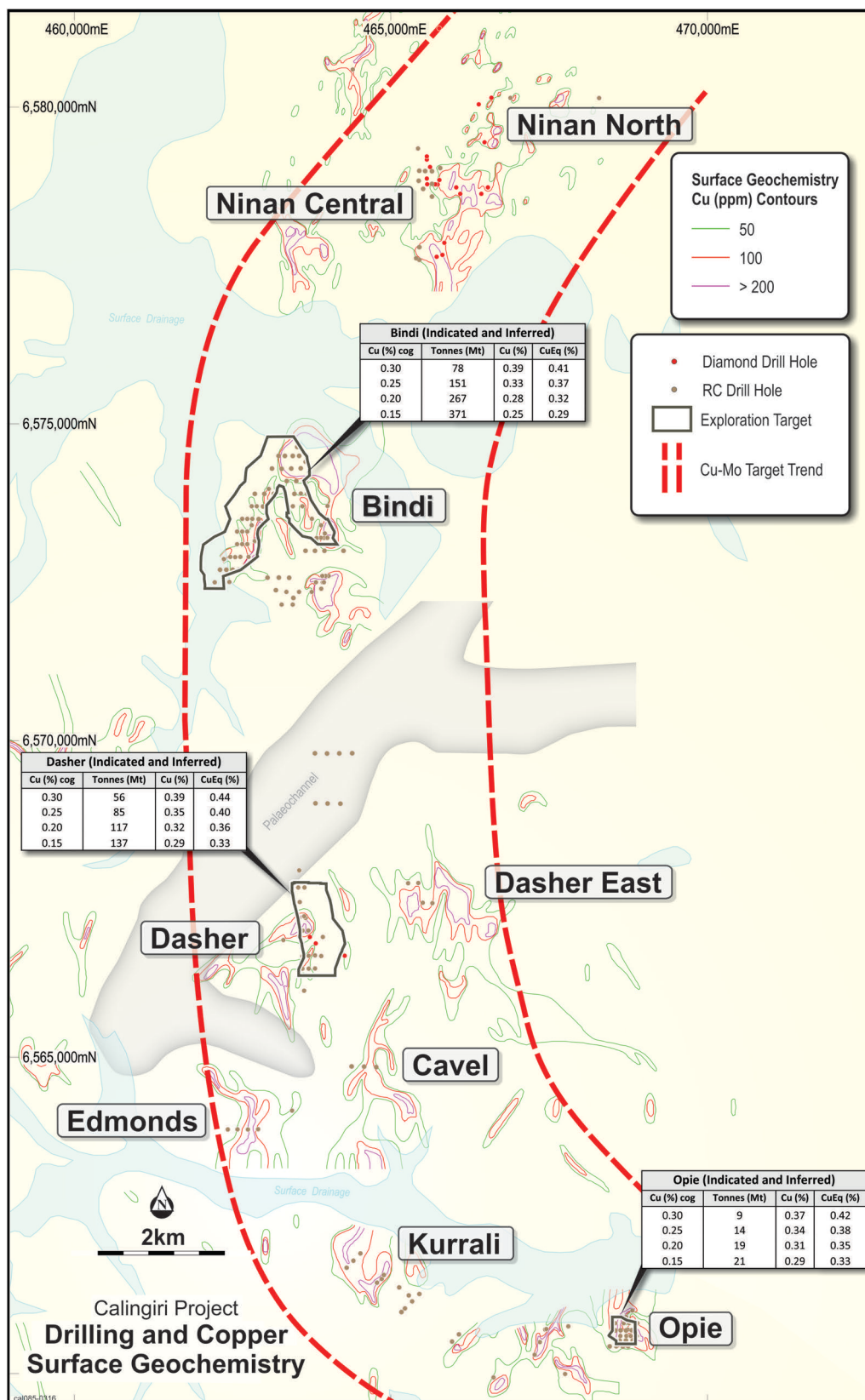


## Appendix A – Tenement Status

Project	Location	Tenement	Equity at 1 Apr 17	Equity at 30 Jun 17	Changes in Quarter
Calingiri	Wongan/Goomalling	E70/2788	100	100	
Calingiri	Goomalling	E70/2789	100	100	
Calingiri	Goomalling	E70/4674	100	100	
Calingiri	Wongan	E70/3674	100	100	
Calingiri	Goomalling	E70/3680	100	100	
Calingiri	Goomalling	E70/3755	100	100	
Calingiri	Goomalling	E70/4327	100	0	Expired
Calingiri	Goomalling	E70/4746	100	100	
Calingiri	Goomalling	E70/4732	100	100	
Calingiri	Wongan	E70/4476	100	100	
Calingiri	Wongan	E70/4517	100	100	
Calingiri	Wongan	P70/1593	100	100	
Calingiri	Wongan	E70/4675	100	100	
Calingiri	Wongan	E70/4676	100	100	
Calingiri	Wongan	E70/2343	80	80	
Bryah	Bryah	E51/1290	92.5	92.5	



## Appendix B – Calingiri Project Outline and Prospects



Calingiri Project / JORC Resource estimates

## Appendix C – Calingiri Project Mineral Resources at Various Cut-off Grades

The following table presents the Calingiri Resource sensitivity to various lower and higher cut-off grades.

Calingiri Project Mineral Resources Categories at Various Cut-off Grades									
	Indicated			Inferred			Total Resource		
Cut-off Grade	Tonnes (MT)	Grade Cu %	Cu Metal (T)	Tonnes (MT)	Grade Cu %	Cu Metal (T)	Tonnes (MT)	Grade Cu %	Cu Metal (T)
0.30	106	0.38	405,047	38	0.39	144,751	143	0.38	549,798
<b>0.25</b>	<b>187</b>	<b>0.34</b>	<b>626,279</b>	<b>64</b>	<b>0.34</b>	<b>218,022</b>	<b>251</b>	<b>0.34</b>	<b>844,301</b>
0.20	297	0.30	874,905	105	0.30	307,600	402	0.30	1,182,506
0.15	390	0.27	1,039,787	139	0.28	368,129	530	0.27	1,407,918

*Please refer to the Competent Persons Statements on page 4 for more information*