

## ACTIVITIES REPORT FOR JUNE QUARTER, 2022

Dome Gold Mines Limited (“Dome” or “Company”) (ASX code: DME) is pleased to report activities at its industrial sand-magnetite-heavy mineral, its Nadroga copper-gold and Ono Island gold-silver projects in Fiji for the period ended 30 June 2022.

### Highlights

- **The current 3-year period for the Sigatoka Special Prospecting Licence SPL1495 expired on the 10<sup>th</sup> of February 2022 and the Company is pleased to report that the SPL1495 licence was renewed for a further 3-year term ending 26<sup>th</sup> April 2025.**
- **IHC Mining issued its final report on the pilot plant processing of the representative bulk sample from the Sigatoka deposit. The highlights of the results were that magnetite concentrate contained 59.7% Fe, exceeding the target of >56.5% Fe.**
- **Samples of magnetite concentrate and washed industrial sand from the pilot plant have been prepared for presentation to potential customers.**
- **During the June 2022 quarter, engineering, mine planning, marketing, Geotech, marine studies, and EIA consultants have been working diligently on all aspects of the DFS. The completion of the DFS will be a major milestone toward mine development at the Sigatoka Project.**
- **A Non-disclosure agreement has been entered into with a major international mining group. Site inspections including examination of existing drill core on Ono Island and collection of samples from areas of interest on SPL1451 and SPL1452 were undertaken earlier in July.**

### SIGATOKA (SPL1495) DFS PROGRESS

The final report on the pilot plant processing of the bulk sample of sand from Sigatoka was issued by IHC Mining in June. The conclusions from the IHC report are as follows;

“... Sigatoka average grade DFS metallurgical test work sample processed readily through the DFS process presented herein. The process was simple, utilised standard mineral sands separation equipment and demonstrated process consistency and robustness.

Ultimately, a Magnetite Product containing 59.7% Fe was produced from the average grade DFS metallurgical test work sample, with an overall mass yield of 11.8%. This represented a target

magnetite/titano-magnetite mineral recovery of 83.2% (QEMSCAN) or 86.9% (magnetic fractionation).

A tailings stream, representing a further 54.6% mass yield, was identified to be suitable for construction sand applications including fine concentrate aggregate, graded asphalt aggregate and unbound pavement.

Additionally, the Dome Gold magnetic fractionation method has again been proven to be an inexpensive, fast and effective method for estimating magnetite/titano magnetite grade and recovery.”



Magnetite concentrate product



Industrial sand samples

During the December quarter, Dome reported that the Company had engaged Flagstaff PCM Pty Ltd (Flagstaff) to oversee, coordinate and manage the IHC pilot plant and DFS programs. Based on competitive bidding and recommendations from Flagstaff, Dome through its wholly owned subsidiary, Magma Mines Pte Ltd has engaged successful bidders for all components of the DFS. These include the following main studies being presently underway;

- 1) Plant Area Package – DRA Pacific Pty Ltd
- 2) Geotechnical Investigations – Entec Pte Limited
- 3) Mining Package – AMC Consultants Pty Ltd
- 4) Environmental Impact Assessment – Smith Geosciences Consultancy
- 5) Marketing Studies – Stratum Resources
- 6) Marine Studies – Royal Hosking DHV
- 7) Financial Model – Flagstaff PCM Pty Ltd

Work on all of the DFS packages is progressing well including several new areas of investigation now required by the Fiji Government.



## **ONO ISLAND (SPL1451) GOLD-SILVER & NADROGA (SPL1452) PORPHYRY COPPER-GOLD**

Dome has entered into a Non-Disclosure Agreement with a major multi-national mining group who have expressed an interest in examining Dome's two hardrock projects in Fiji. The work involved site inspections, and collection of rock (9 samples), stream geochemical (5 samples) and examination and sampling of drill core (11 samples). If results warrant Dome may negotiate a joint venture exploration agreement with the major company.

### **CORPORATE AND ADDITIONAL INFORMATION**

Dome Gold Mines Limited ("Dome" or "the Company") provides this additional information regarding the quarterly activities report for the quarter ended 30 June 2022.

During the Quarter the Company expended \$484K on exploration and related activities.

The majority was spent on exploration activities at the Sigatoka Project in Fiji, which is wholly owned by Dome. Approximately \$481K was spent on Sigatoka DFS program, which includes Fiji office operations, consultants' fees, pilot plant processing and other travel related costs.

The balance was expended on sundry exploration and tenement, accounting and administration related costs.

No expenditure was incurred during the Quarter on mining production and development activities.

Payments to related parties of the entity and their associates during the June 2022 quarter totaled \$60K, which were all directors' fees.

As at 30 June 2022 Dome held \$4.13M in cash.

For further information about Dome and its Fijian projects, please refer to the Company's website [www.domegoldmines.com.au](http://www.domegoldmines.com.au) or contact the Company at (02) 8203 5620.

This quarterly report has been approved by the Chairman Mr. J. McCarthy.

A handwritten signature in blue ink, appearing to read "J.V. McCarthy".

**J.V. McCarthy**  
**Chairman**

### No Material Changes

The Company confirms it is not aware of any new information or data that materially affects the information included in this quarterly activities report and that all material assumptions and technical parameters underpinning the exploration activities in this market announcements continue to apply and have not materially changed.

### Competent Persons Statement

The information in this Quarterly Report that relates to Exploration Results is based on information compiled by John V McCarthy. Mr McCarthy is the non-executive Chairman of the Company and a Member of the Australasian Institute of Mining and Metallurgy and has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activities 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 McCarthy, through his family Superfund, holds shares in the Company and is paid fixed directors fees for his services. He consents to the inclusion in this Quarterly Report of the matters based on his information in the form and context in which it appears.

### ABOUT DOME

Dome is an Australian mining company that listed on the ASX on the 22 October 2013. The Company is focussed on gold, copper and iron and industrial sands in Fiji, where it holds three highly prospective exploration tenements. Dome's objective is to become a major force in the mining industry of Fiji by the discovery and development of mineral resources within its Fijian tenements.

Sigatoka is a heavy mineral sand project containing abundant magnetite. Drilling to establish an initial resource estimate for the project has been completed, and initial stages of a definitive feasibility study are now underway. Commencement of production at Sigatoka by conventional sand mining and wet processing is anticipated within two years.

Dome's other projects are the Ono Island epithermal gold project, where an initial exploration diamond drilling was completed in early July 2018, and the Nadrau project, where additional exploration programs for copper-gold porphyry deposits are warranted.

Dome's Board and Management team has a high level of experience in Fiji, and the Company has been actively exploring in Fiji since 2008.

### DOME MINES LTD TENEMENT SCHEDULE

Tenement	Name	Holder	Interest %	Area (hectares) at	
				31 March 2016	Expiry Date
SPL 1451	Ono Island	Dome Mines Ltd	100	3,028	24/06/2023
SPL 1452	Central Viti Levu	Dome Mines Ltd	100	33,213	26/08/2022
SPL 1495*	Sigatoka Ironsand	Magma Mines Ltd	100	2,522	26/04/2025

\*Note: The application for a 3-year renewal of SPL1495 was approved by MRD on April 27, 2022