

**ASX Announcement**

**ASX Code: DME**

**28 April 2022**

## **ACTIVITIES REPORT FOR MARCH QUARTER, 2022**

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Dome Gold Mines Limited (“Dome” or “Company”) (ASX code: DME) is pleased to report activities at its industrial sand-magnetite-heavy mineral as well as its Nadroga copper and gold projects in Fiji for the period ended 31 March 2022.

Dome announced in the December 2021 Quarterly Activities report that it had contracted Flagstaff PCM Pty Ltd, based at Spring Hill, Queensland to provide engineering management of the pilot plant program as well as the Definitive Feasibility Study (DFS) on behalf of the Company. During the March 2022 quarter, engineering, mine planning, marketing and EIA consultants have been engaged after competitive bids to complete the principal parts of the DFS. The completion of the DFS is a major milestone toward mine development at the Sigatoka Project.

The current 3-year period for the Sigatoka Special Prospecting Licence SPL1495 expired on the 10<sup>th</sup> of February 2022. Dome has submitted all required application documents to the Mineral Resources Department (MRD) for extending the SPL for a further 3-year period. Under the Mining Law the SPL remains in force while renewal documentation is being processed by the MRD.

During the December quarter local reports were received that recent road construction had exposed outcrops of silica-pyrite mineralisation on the Nadroga SPL 1452 porphyry copper-gold project. Dome geologists submitted nine grab samples of the altered-mineralised outcrops ALS Laboratories in Brisbane for analysis. Strongly anomalous copper (up to 800ppm) was detected in several rock chip samples and these will require follow-up surveys during the June quarter.

### **SIGATOKA (SPL1495) DFS PROGRESS**

During the December quarter, Dome engaged Flagstaff PCM Pty Ltd to oversee, coordinate and manage the pilot plant and DFS programs. In February and March 2022, several Flagstaff engineers accompanied by company representatives of DRA Pacific Ltd (successful bidder for the Plant Package), EIA consultants from Fiji and Domes local staff inspected the Sigatoka project area.

The group held meetings with the Mineral Resources Department, the Department of Environment and the Department of Waterways as well as various contracting companies who could provide services toward completion of the DFS and construction of the process plant. Companies who may be interested in products such as magnetite concentrate as well as industrial sand and gravel were also engaged. Strong support for the project was a common feature of these discussions.

During the March quarter, the pilot plant processing of the Sigatoka bulk sample was successfully completed by IHC Mining Ltd.

Chemical and physical analyses of various commercial products are presently underway. Samples to be used for trial marketing purposes are being prepared for future delivery to potential customers. A final report from the pilot plant program will be delivered in the next few weeks.

Other parts of the DFS currently underway are market studies by Stratum Resources Ltd and mine plan and scheduling by AMC Mining Consultants. The EIA studies will be supervised and coordinated by Robert Smith, a well-known and respected environmental and marine science expert resident in Fiji.

### NADROGA (SPL1452) PORPHYRY COPPER-GOLD SAMPLING PROGRAM

As reported in the December 2021 quarterly report, in November 2021, local villagers reported to the Company that an area of mineralisation had been exposed during road upgrades in an area within SPL1452. Dome geologists undertook a field inspection and chip sampled outcrop exposures of silicified porphyry and quartz diorite porphyry intrusives containing disseminated pyrite and hematite oxidation after pyrite (see Plate 1).

A total of nine rock chip grab samples were collected and submitted to ALS Laboratories for assay. Below, Table 1 presents analytical results for gold (Au), silver (Ag), copper (Cu), Zinc (Zn), Molybdenum (Mo) and Vanadium (V). The results that are anomalous (red font) are worthy of follow-up surveys as they may be indicative of a mineralised porphyry intrusive.

**Table 1**  
(Source: ALS Certificate of Analysis BR22037428)

Sample No.	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Mo (ppm)	V (ppm)
101311	<0.005	<0.5	2	5	<1	2
101312	<0.005	<0.5	5	34	1	121
101313	0.009	<0.5	45	87	3	160
101314	0.022	1.2	171	256	20	31
101315	0.059	0.6	643	227	1	14
101316	<0.005	<0.5	131	37	2	228
101317	0.008	<0.5	869	37	3	132
101318	<0.005	<0.5	118	1005	1	58
101319	<0.005	0.7	341	348	1	62

Analytical Methods: For gold – Au -AA24; Other elements – ME-ICP61

**Note:** See JORC 2012 Table 1 in ASX release dated 29 January 2022



**Plate 1** – Satellite image showing GPS locations of nine rock chip grab samples collected from outcrops on SPL1452 (Scale 1cm = approx. 100m)

## CORPORATE AND ADDITIONAL INFORMATION

Dome Mining Limited (“Dome” or “the Company”) provides this additional information regarding the quarterly activities report for the quarter ended 31 March 2022.

During the Quarter the Company expended \$303K 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 \$300K 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 March 2022 quarter totaled \$60K, which were all directors’ fees.

As at 31 March 2022 Dome held \$4.28M 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 Board of Dome Gold Mines Ltd.

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
<b>SPL 1451</b>	Ono Island	Dome Mines Ltd	100	3,028	24/06/2023
<b>SPL 1452</b>	Central Viti Levu	Dome Mines Ltd	100	33,213	26/08/2022
<b>SPL 1495*</b>	Sigatoka Ironsand	Magma Mines Ltd	100	2,522	10/02/2022

**\*Note:** An application for a 3-year renewal of SPL1495 is in the final stages of processing by MRD