

**ASX Announcement ASX Code: DME** 28 April 2020

# **ACTIVITIES REPORT FOR MARCH QUARTER, 2020**

#### **SUMMARY**

- The 2019-2020 sonic drilling program at Sigatoka (SPL 1495) was completed on the 3rd April 2020, for a total of 55 holes, drilled in the southern part of the Kulukulu resource area.
- An aerial topographic drone survey was completed in late 2019 and the final digital products were delivered to Dome during this quarter. This new dataset will allow more accurate resource modelling work, planned over the coming months.
- Early indications from the recent drilling program suggest that thicker and highergrade iron sand mineralisation is present in the southern Kulukulu area. This area is considered to be the likely starting point for the Company's sand mining operations at Sigatoka.

Dome Gold Mines Limited ("Dome" or "Company") (ASX: DME) is pleased to report on activities at its iron sand, copper and gold projects in Fiji for the period ended 31 March 2020.

## SIGATOKA PROJECT (SPL1495)

## Kulukulu Resource Drilling

During the quarter, Dome Gold Mines Ltd ("Dome" or "the Company") completed a sonic drilling program on their 100%-owned Sigatoka Iron Sands Project (SPL 1495), located on the main island of Viti Levu, Fiji (Figure 1). This recent sonic drilling program commenced on 10 September 2019 and was completed on 3 April 2020. That period included a suspension of drilling for about two months over the peak of the wet season. The drilling consisted of 55 holes in the southern Kulukulu resource area for a total advance of 1441.7 m (see Figure 2). A drill hole collar file is included here as Table 1.

A topographic aerial drone survey was flown in the last quarter of 2019 over the Sigatoka resource areas. The digital deliverables from this survey were supplied to Dome in the first quarter of 2020. This aerial drone survey has provided Dome with a very detailed



elevation map across the main resource areas within SPL 1495, accurate to within 5 cm. This new dataset will allow more precise resource modelling work to be completed in the coming months as analytical results are received from the laboratory. An aerial image over the drone survey area is included as Figure 3.

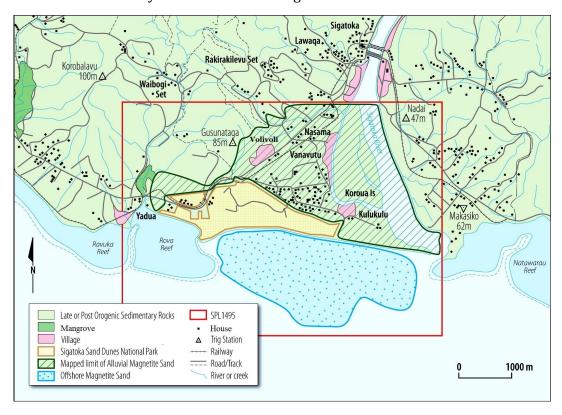


Figure 1: A map of current known sand deposits within Dome's SPL 1495 licence area.

Table 1: Sonic drill hole collar details for the recent 2019-2020 drilling program.

Hole	GPS Collar East FMG	GPS Collar North FMG	GPS Collar RL (m)	DGPS East FMG	DGPS North FMG	DGPS RL (m)	Total Depth (m)	Water Depth (m)
KKS 050	1869249	3869742	9	1869238.14	3869742.74	3.53	18.8	6.8
KKS 051	1869317	3869724	9	1869307.82	3869731.53	3.2	23.3	3.8
KKS 052	1869194	3869791	15	1869177.71	3869793.37	6.08	29.3	11.3
KKS 053	1869154	3869740	8	1869135.59	3869744.22	6.9	24.8	8.3
KKS 054	1868949	3869742	7	1868932.41	3869745.79	5.02	23.2	5.2
KKS 055	1868996	3869790	13	1868980.11	3869793.61	8.46	27.7	8.2
KKS 056	1869046	3869842	14	1869029.94	3869846.01	6.41	23.2	5.2
KKS 057	1869100	3869931	4	1869081.49	3869929.99	0.93	20.2	0.7
KKS 058	1869002	3869999	11	1868983.13	3870001.94	3.44	24.7	3.7
KKS 059	1868944	3869958	7	1868928.98	3869959.27	6.68	21.7	5.2
KKS 060	1868945	3869957	7	1868926.96	3869959.80	6.48	23.3	5.4



KKS 061	1868900	3869894	9	1868884.00	3869899.40	5	26.2	3.7
KKS 062	1868794	3869792	12	1868778.08	3869795.39	4.64	20.2	3.7
KKS 063	1868605	3869784	12	1868583.42	3869787.61	4.66	21.3	5.2
KKS 064	1868851	3869844	12	1868832.78	3869848.92	2.02	23.2	0.7
KKS 065	1868701	3869901	13	1868687.40	3869903.51	3.64	21.7	3
KKS 066	1868746	3869936	12	1868723.85	3869941.76	2.94	32.2	2.5
KKS 067	1868701	3870104	15	1868683.21	3870103.36	1.21	29.2	1
KKS 068	1868556	3870154	9	1868537.26	3870155.69	1.67	26.2	0.8
KKS 069	1868606	3870194	16	1868589.57	3870198.04	1.45	23.2	0.8
KKS 070	1868651	3870246	15	1868631.18	3870245.86	1.46	24.7	2.2
KKS 071	1868660	3870033	2	1868641.09	3870037.32	1.57	30.7	2.2
KKS 072	1868803	3870005	6	1868786.83	3870006.01	3.34	26.2	2.2
KKS 073	1868898	3870093	12	1868881.35	3870095.30	5.02	27.7	5.2
KKS 074	1868848	3870040	6	1868833.46	3870046.27	5.25	26.2	5.2
KKS 075	1868600	3870003	-2	1868583.49	3870008.04	1.92	27.7	2.2
KKS 076	1868502	3870078	4	1868484.89	3870079.89	3.79	26.2	3.7
KKS 077	1868701	3870291	10	1868686.59	3870293.55	1.47	21.7	2.2
KKS 078	1868451	3870247	12	1868438.70	3870249.50	1.65	32.2	2.2
KKS 079	1868372	3870199	8	1868355.90	3870200.74	1.70	30.7	2.2
KKS 080	1868350	3870151	13	1868331.53	3870153.60	6.56	32.2	6.7
KKS 081	1868350	3870339	11	1868335.60	3870340.92	1.56	30.7	2.2
KKS 082	1868754	3870153	7	1868738.91	3870154.34	2.35	26.1	3.6
KKS 083	1868551	3870339	13	1868540.81	3870342.65	1.74	29.9	2.2
KKS 084	1868501	3870296	13	1868489.27	3870303.90	1.84	32.2	3.7
KKS 085	1868470	3870444	9	1868452.65	3870450.28	1.81	30.7	2.2
KKS 086	1868245	3870230	9	1868230.16	3870234.50	6.47	26.2	5.9
KKS 087	1868149	3870149	11	1868133.45	3870151.30	10.06	36.7	9.7
KKS 088	1868251	3870051	-2	1868237.14	3870054.74	8.75	32.2	9.7
KKS 089	1868397	3870036	5	1868381.32	3870038.20	5.29	30.7	6.7
KKS 090	1868459	3870065	10	1868440.84	3870068.61	4.65	26.2	3.7
KKS 091	1867946	3869944	5	1867928.86	3869946.49	5.04	26.2	9.7
KKS 092	1868102	3869880	1	1868084.27	3869896.50	5.29	26.2	9.7
KKS 093	1868300	3869877	9	1868284.62	3869880.96	6.17	26.2	9.7
KKS 094	1868435	3869831	17	1868420.03	3869836.46	5.42	29.2	9.7
KKS 095	1868699	3869899	2	1868685.36	3869904.25	3.80	23.2	3.7
KKS 096	1869197	3869788	17	1869177.25	3869794.72	6.16	29.2	8.2
KKS 097	1868506	3870075	10	1868487.15	3870078.72	3.86	26.2	5.2
KKS 098	1868055	3870060	13	1868041.38	3870067.75	6.95	26.2	8.2
KKS 099	1868297	3870101	14	1868280.07	3870103.43	8.36	8.2	NA
KKS 100	1867998	3869938	8	1867982.67	3869941.18	4.72	26.2	5.2
KKS 101	1867999	3869936	5	1867982.39	3869939.53	4.62	26.2	5.2
KKS 102	1868651	3870243	10	1868637.00	3870244.45	1.62	24.7	3.2
KKS 103	1868563	3869913	25	1868547.00	3869917.43	6.80	26.2	9.7
KKS 104	1868285	3870081	12	1868265.94	3870084.12	6.22	26.2	9.7



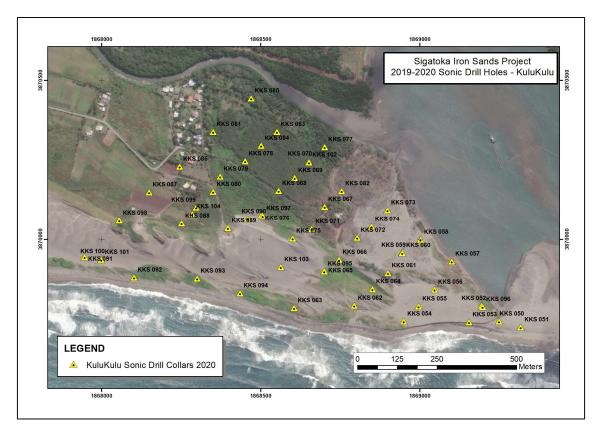


Figure 2: A map of the southern KuluKulu area showing recently completed drill holes, as of 3 April 2020.

The 2019-2020 sonic drilling program was conducted on a 70 m x 140 m grid and was focused on the southern part of the Inferred Kulukulu Resource (Fig. 2). This area was targeted by Dome as it appears to contain higher grade mineralisation and will most likely dictate the starting point for sand mining, pursuant to the Definitive Feasibility Study ("DFS") in progress.

Some of the sonic drill core samples from the recent drill program have already been sent to an assay laboratory in Perth. However, the final batch of samples from 2020 is yet to be dispatched. Assays from this recent drilling program are still pending. A more thorough report on the drill sample results will be released when available.



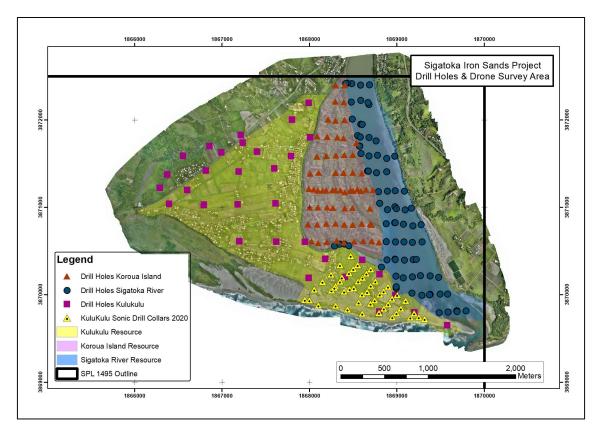


Figure 3: Drone survey aerial image also showing Dome drill holes and Sigatoka resource areas.

Initial observations from the recent drilling, combined with results from earlier reconnaissance drilling by Dome at Kulukulu, indicate that the southern Kulukulu area contains abundant sand which is both thick (greater than 30 m) and indicatively rich in magnetite. It therefore represents an ideal starting point for mining, especially if the present expectation of using IHC-branded TT sand pumps, instead of dredges, receives full endorsement in the final DFS report. When all the results from this new program of drilling are received in the next few months, it will allow a further upgrade of the Sigatoka Project Mineral Resource inventory.

## **ONO ISLAND PROJECT (SPL1451)**

In January 2020, a field visit to Ono Island was completed by Dome, in order to hold meetings with the main communities, and to check the progress of rehabilitation at the 2018 drill sites. The visit was positive and all of the local communities on Ono Island will continue to support Dome going forward.

An Annual Report for SPL 1451 was completed during the quarter and was submitted to the MRD. A renewal application for a further 3-year period was also submitted in February 2020.



## NAMOLI-WAINIVAU (SPL1452)

No exploration was undertaken on SPL1452 during the period.

## **COMPANY RESPONSE TO THE COVID-19 PANDEMIC**

Given the spread of the novel coronavirus (COVID-19) and its declaration by the World Health Organisation (WHO) as a global health pandemic, Dome is taking considered action to ensure the safety, health and wellbeing of our staff, contractors and stakeholders.

Dome has implemented safeguards that meet official Australian Government COVID-19 guidelines and has taken a number of steps to minimise risks related to COVID-19:

### Travel

Dome has suspended all international and domestic business travel, including flying to its projects in Fiji.

## Offices and Meetings

- In line with increased social distancing measures instituted by the Australian Government, from the 26 March, Dome's offices in Sydney and Sigatoka have moved to 'restricted for critical core services only', until further notice.
- Dome offices are open only for critical meetings and essential business.
- Dome has encouraged its staff to work from home wherever possible.
- Dome has advised its people to exercise caution whilst working in its offices (i.e. spacing people >1.5 metres apart, no handshaking and heightened hygiene practices.)

## Field Work

No significant field work is taking place at the present time and none is expected until the pandemic's progress is better controlled.

The COVID-19 is an evolving situation. All of us at Dome are committed to supporting our staff, clients, stakeholders and communities during this difficult time.

#### **FUTURE PLANS**

Minimal field work is expected to take place at the Company's projects in Fiji during the next Quarter. Instead, the focus will be on compiling the results of recent drilling and feeding this information into a further upgrade of the Sigatoka mineral resource inventory.



That, in turn, will represent important input data as the Definitive Feasibility Study continues.

In view of this office/laboratory-focussed phase of work, it is not expected that the COVID-19 pandemic will impact too severely on Dome's programme in the coming months. However, that situation could change at any time.

#### **CORPORATE**

Expenditure incurred on exploration activities during the March 2020 quarter totalled \$200.000.

Payments to related parties of the entity and their associates during the March 2020 quarter totalled \$89,000 which include director fees, interest payment and rent.

As at 31 March 2020, Dome held \$300,000 in cash.

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

This announcement has been approved by the Board of Dome Gold Mines Ltd.

G G LOWDER Chairman

## Attachments:

Α. JORC Table 1, Sections 1, 2 and 3

#### **COMPETENT PERSONS' STATEMENT:**

The information in this report that relates to Sigatoka, Ono Island and Namoli-Wainivau is based on information compiled by Garry Lowder, who is Chairman of the Company. Dr Lowder is a geologist who is a Fellow 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'. Dr Lowder holds shares in the Company both directly and indirectly and consents to the inclusion in this 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, which listed on the ASX on 22 October 2013. The Company is focussed on gold, copper and mineral sands in Fiji, where it holds three highly prospective exploration tenements. The Company'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 mineral sand project containing abundant heavy metals including magnetite. Drilling to establish an initial resource estimate for the project was completed some time ago. A substantial upgrade to that initial resource was completed in late 2019. New drilling, which finished in early April, 2020, is expected to increase the resource base further when results have been incorporated into the resource estimation process. Commencement of production at Sigatoka by the use of sand pumps and later by conventional dredging 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 Namoli-Wainivau porphyry copper-gold project, where additional exploration programs are expected to take place later in 2020.

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

#### **DOME MINES LTD TENEMENT SCHEDULE**

Tenement	Name	Holder	Interest	Area (hectares) at		
Tenement		noider	%	31 March 2016	Expiry Date	
SPL 1451*	Ono Island	Dome Mines Ltd	100	3,028	12/02/2020	
SPL 1452	Central Viti Levu	Dome Mines Ltd	100	33,213	26/08/2022	
SPL 1495	Sigatoka Ironsand	Magma Mines Ltd	100	2,522	10/02/2022	

<sup>\*</sup> Renewal application lodged in February, 2020

# **Attachment A**

# JORC Code, 2012 Edition – Table 1 report SPL1495 – Koroua Island Resource

Reporting Competent Person: Gavin Helgeland BSc MAIG (membership number: 3536), 5/12/2019

## **Section 1 Sampling Techniques and Data**

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul> <li>Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.</li> </ul>	<ul> <li>Half sonic core samples generally 2 metres in length. Half core samples are split into two quarters using a broad scraper the primary sample placed in calico bags, the secondary sample referred to as the b-split sample is placed in a plastic bag. Both sets of sample bags contain aluminium tags with their unique sample identity number. Wet sample weights for sample pairs are monitored for quality assurance.</li> <li>A Magnetic susceptibility metre (magROCKv3) hand held low frequency high resolution meter with memory and averaging capabilities is used to indicate magnetite content in the heavy minerals. Five magnetic susceptibility measurements are taken for every sample and the average of these measurements is recorded in the detailed descriptive and photographic logs. Bagged samples are submitted to an independent laboratory for processing.</li> <li>The b-splits are batched into calico bags and stored securely at the core shed sea containers. The primary assay samples are batched for importation to the Australian Laboratory.</li> <li>The top two metres of samples are batched separately from the rest of the samples due to Australian Quarantine requirements.</li> </ul>
Drilling techniques	<ul> <li>Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).</li> </ul>	<ul> <li>Sonic drill at NQ (60mm) core diameter from vertical sonic holes.</li> <li>Core recovery is generally 100% except at the water table where it can be reduced to as little as 50%.</li> </ul>
Drill sample recovery	<ul> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> </ul>	<ul> <li>Down hole measurements are based both on records of drill rods used (the sonic rig uses rods that are 1.5m lengths) and measurements of core rise or slough by tape measure inside the drill stem before retrieving core samples from the hole.</li> </ul>

Criteria	JORC Code explanation	Commentary
	Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	<ul> <li>Core is extruded into core trays an slough is removed and core recovery is recorded (marked as core loss in the core tray)</li> <li>Samples of sonic core are highly representative of the material sampled</li> <li>Core recovery is usually related to sediment type and compactness and whether the cored material is above or below the water table (saturated).</li> </ul>
Logging	<ul> <li>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> </ul>	<ul> <li>Sonic core is placed into plastic core trays, marked up with depths, photographed (quantitative), logged in detail (qualitative) into a standard spreadsheet on a laptop.</li> <li>Sonic core is logged to sufficient detail to support the latest MRE.</li> <li>100% of the sonic holes are logged in detail using exact intervals. Two metre samples are collected from surface to the end of the hole.</li> </ul>
Sub-sampling techniques and sample preparation	<ul> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<ul> <li>Two quarter sonic core samples are collected and bagged. A residue of half core remains in the core trays and is stored securely at the core shed sea containers.</li> <li>Samples are presented to an independent laboratory where they are dried and sieved at 100mm. The 100mm size fraction weighing approximately 500 grams is then submitted to an independent metallurgical laboratory for heavy mineral and magnetic mineral analyses by heavy media and magnetic mineral separation.</li> <li>Composite samples are also compiled for XRF and mineral assemblage analysis.</li> <li>Whole samples are dried in a laboratory and undergo splitting/screening under controlled laboratory conditions.</li> <li>100g sand sub-samples (38um-2mm sized) apportioned using riffle or rotary splitters, undergo heavy media separation to determine heavy mineral content. This is considered representative of the total sample.</li> <li>Field duplicates and laboratory duplicates are assayed to determine both sampling variability and assay repeatability.</li> </ul>
Quality of assay data and laboratory tests	<ul> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</li> </ul>	<ul> <li>The analytical methods produce accurate quantitative results</li> <li>Magnetic susceptibility metre (magROCKv3) hand held low frequency high resolution meter with memory and averaging capabilities.         Average measurements were applied to each sample of sonic core and recorded on the logs and each half core sample is measured and recorded as well. Magnetic susceptibility measurements are impacted by moisture and heavy mineral distribution and are considered     </li> </ul>

Criteria	JORC Code explanation	Commentary
	Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	indicative only and are not quantitative measurements of magnetic mineral content.
Verification of sampling and assaying	<ul> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>	<ul> <li>Higher concentrations of magnetic minerals are generally observable and checked by senior geological management. Half sonic core is retained for review.</li> <li>Initially every tenth sonic hole was twinned and sampled for data comparison and control purposes. The twinned hole also has duplicate samples assayed top to bottom for a full suite of drilling, sampling and assaying QA-QC data.</li> <li>All field data is entered into a laptop spreadsheet. Assay data is received in spreadsheet form also and is checked for correct tallies and out of range data. Any errors are referred to the assay laboratory for correction or omission.</li> </ul>
Location of data points	<ul> <li>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</li> <li>Specification of the grid system used.</li> <li>Quality and adequacy of topographic control.</li> </ul>	<ul> <li>Collars are located with hand held GPS devices. Onshore drill collar elevations and hole locations are later recorded with differential GPS equipment by a licenced surveyor.</li> <li>The local drill grid reference for surveyed locations is Fiji 1956 / UTM zone 60S.</li> <li>Topographic control is by land survey and differential GPS using collars plus an array of pick-up points across the resource for definition. Control is considered adequate for resource definition.</li> </ul>
Data spacing and distribution	<ul> <li>Data spacing for reporting of Exploration Results.</li> <li>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</li> <li>Whether sample compositing has been applied.</li> </ul>	<ul> <li>Sonic quarter core samples are taken over two metre intervals from surface to the end of hole. Logging is performed on exact intervals.</li> <li>Drilling lines are approximately 200m apart but vary depending on onground obstacles. Similarly hole centres are approximately100m apart.</li> <li>Twinned holes are drilled within 5m of the original hole.</li> <li>Data spacing (both drill hole and sample interval) have been confirmed by independent mineral sand industry consultants to be within parameters necessary for an Inferred resource estimate.</li> <li>Sample compositing has occurred that conforms to the geological interpretation.</li> <li>Data spacing is considered appropriate for the MRE procedures and the classification applied reflects this data density provided.</li> </ul>
Orientation of data in	Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering	Vertical holes intersect generally flat lying sand, gravel and clay lithologies and are unbiased.

Criteria	JORC Code explanation	Commentary
relation to geological structure	<ul> <li>the deposit type.</li> <li>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</li> </ul>	
Sample security	The measures taken to ensure sample security.	<ul> <li>All sonic core or bulk samples are placed in a locked sea container until delivery to the independent laboratory by courier.</li> </ul>
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	<ul> <li>Periodic audits are conducted of logging and sampling procedures and all electronic records are viewed and interrogated.</li> </ul>

# **Section 2 Reporting of Exploration Results**

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	<ul> <li>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</li> <li>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</li> </ul>	<ul> <li>Special Prospecting Licences (SPL) are issued by the Mineral Resources Department (MRD) of Fiji and subject to requirements of the Fiji Mineral Law. SPL1495 is owned 100% by Magma Mines Limited a wholly owned subsidiary of Dome Gold Mines Limited and is valid for 3-year renewable periods.</li> <li>SPL's remain valid as long as the holder meets exploration program conditions outlined in the SPL documentation.</li> </ul>
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Historical exploration is referenced in both internal reports and reports prepared on Dome's behalf by independent consultants.
Geology	Deposit type, geological setting and style of mineralisation.	Iron (magnetite) and heavy mineral, sand and gravel deposit.
Drill hole Information	<ul> <li>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:         <ul> <li>easting and northing of the drill hole collar</li> <li>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>dip and azimuth of the hole</li> <li>down hole length and interception depth</li> <li>hole length.</li> </ul> </li> <li>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from</li> </ul>	<ul> <li>Plans of drill hole locations and detailed geological logs are recorded into a "Geologger" GIS database including detailed records of drill hole information. Tabulation of drill hole data summaries are also presented in various internal and consultant reports prepared by or on behalf of Dome. This data is also submitted to the Mineral Resources Department of Fiji in annual reports.</li> <li>There is no information that is excluded from the database or that is relevant to any report.</li> </ul>

Criteria	JORC Code explanation	Commentary
	the understanding of the report, the Competent Person should clearly explain why this is the case.	
Data aggregation methods	<ul> <li>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.</li> <li>Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	<ul> <li>Where averages for slimes content, heavy minerals and/or magnetite are reported these are based on weighted averages for the intervals reported calculated by multiplying the sample length by the content and dividing the sum of these products by the sum of the sample widths.</li> <li>Metal equivalents are not used and values are the actual recoveries from heavy media, gravity and/or low intensity magnetic test work without further modification.</li> </ul>
Relationship between mineralisation widths and intercept lengths	<ul> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> <li>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').</li> </ul>	<ul> <li>Target sand and gravel deposits occur as roughly flat layers and within defined channels that are effectively sampled by sonic drilling which generally produces a sonic "core" representative of the layers drilled.</li> <li>The sand deposits at Sigatoka are being shown to be very predictable. However river, estuary and delta sedimentary deposits are dynamic systems that can be locally variable.</li> </ul>
Diagrams	<ul> <li>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</li> </ul>	<ul> <li>Maps, plans and sections are prepared at appropriate scales. Both written and graphic logs are prepared for each drill hole that include "Sediment Class", "Grain Size", Soil Classification", "Shell Fragments" and "Mag Sus".</li> </ul>
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	Reporting is fully representative of the data.
Other substantive exploration data	<ul> <li>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</li> </ul>	All relevant data is fully reported.
Further work	<ul> <li>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> </ul>	<ul> <li>Further sonic drilling will be undertaken in areas expected to show higher concentrations of heavy minerals or magnetic minerals due to wave and current action. Drilling is presently being undertaken in the Kulukulu Resource area with the Sonic drill mounted on a tracked carrier.</li> </ul>

# **Section 3 Estimation and Reporting of Mineral Resources**

(Criteria listed in section 1, and where relevant in section 2, also apply to this section.)

Criteria	JORC Code explanation	Commentary
Database integrity	<ul> <li>Measures taken to ensure that data has not been corrupted by, for example, transcription or keying errors, between its initial collection and its use for Mineral Resource estimation purposes.</li> <li>Data validation procedures used.</li> </ul>	Both raw and validated data is housed digitally in a secure (LAN) master database
Site visits	<ul> <li>Comment on any site visits undertaken by the Competent Person and the outcome of those visits.</li> <li>If no site visits have been undertaken indicate why this is the case.</li> </ul>	<ul> <li>Two site visits have been undertaken. Witnessed and assisting in improving sampling techniques.</li> <li>Updated exploration protocols reference document to assist in instructing field staff on techniques and QA-QC associated with drilling, sample handling, logging, sampling and dispatch and storage.</li> </ul>
Geological interpretation	<ul> <li>Confidence in (or conversely, the uncertainty of) the geological interpretation of the mineral deposit.</li> <li>Nature of the data used and of any assumptions made.</li> <li>The effect, if any, of alternative interpretations on Mineral Resource estimation.</li> <li>The use of geology in guiding and controlling Mineral Resource estimation.</li> <li>The factors affecting continuity both of grade and geology.</li> </ul>	<ul> <li>Sediments are terrestrial elluvial and alluvial depositions and are considered to be variable within each layer however the contacts between layers are quite observable. Drilling at 200m x 100m x 2m has allowed sufficient confidence for a geological interpretation to be performed.</li> <li>Geological logging and assaying has provided sufficient guidance and control for the MRE.</li> <li>Factors affecting grade are associated with alluvial distribution of heavy minerals – short-range variability is considered to be impacting confidence however, broader trends on HM distribution have allowed for sufficient confidence in the interpretation.</li> </ul>
Dimensions	The extent and variability of the Mineral Resource expressed as length (along strike or otherwise), plan width, and depth below surface to the upper and lower limits of the Mineral Resource.	<ul> <li>MRE is constrained by the banks of the Sigatoka River in the East and Vatueta Creek wrapping around the West.</li> <li>No clear nominal basement was intersected. Drilling depths are generally determined by rig capacity.</li> <li>Dimensions of the reportable MRE are 2km x 0.8km x 30m</li> </ul>
Estimation and modelling techniques	<ul> <li>The nature and appropriateness of the estimation technique(s) applied and key assumptions, including treatment of extreme grade values, domaining, interpolation parameters and maximum distance of extrapolation from data points. If a computer assisted estimation method was chosen include a description of computer software and parameters used.</li> <li>The availability of check estimates, previous estimates and/or mine production records and whether the Mineral Resource estimate takes</li> </ul>	<ul> <li>Mineral variability of the horizontally layered alluvial strata is considered moderate. It did not contain notable extremities in grade. Distribution analysis did not indicate complexities due to multiple grade populations within individual alluvial layers.</li> <li>Modelling utilized Datamine Studio RM.</li> <li>This is the first MRE performed on the Koroua Island Resource. See Resource Statement for detail on interpolation parameters.</li> <li>Assumptions regarding by-products have not been considered for this</li> </ul>

Criteria	JORC Code explanation	Commentary
	<ul> <li>appropriate account of such data.</li> <li>The assumptions made regarding recovery of by-products.</li> <li>Estimation of deleterious elements or other non-grade variables of economic significance (eg sulphur for acid mine drainage characterisation).</li> <li>In the case of block model interpolation, the block size in relation to the average sample spacing and the search employed.</li> <li>Any assumptions behind modelling of selective mining units.</li> <li>Any assumptions about correlation between variables.</li> <li>Description of how the geological interpretation was used to control the resource estimates.</li> <li>Discussion of basis for using or not using grade cutting or capping.</li> <li>The process of validation, the checking process used, the comparison of model data to drill hole data, and use of reconciliation data if available.</li> </ul>	<ul> <li>MRE.</li> <li>Floating parent cells in both easting and northing directions have been applied with parent cell size being 100 x 50 x 2 for a 200 x 100 x 2 drilling array.</li> <li>Magsus is expected to be indicative of Magnetite content in HM however magsus has not been included in the MRE (only used as an indication to guide/influence interpretation).</li> <li>Three sedimentary layers have been interpreted. These layers are separated by unconformity boundaries (abrupt changes in sediment types). These boundaries are exactly measured with interval logging which in turn informs the interpretation of the 2m sample intervals (string/wireframe snapping).</li> <li>No cutting or capping occurred. There is no evidence for grade extremities in grade for this style of deposit.</li> </ul>
Moisture	<ul> <li>Whether the tonnages are estimated on a dry basis or with natural moisture, and the method of determination of the moisture content.</li> </ul>	<ul> <li>Tonnages are estimated on a dry basis which is normal practice for mineral sands resource estimates.</li> </ul>
Cut-off parameters	The basis of the adopted cut-off grade(s) or quality parameters applied.	<ul> <li>An 8% HM cut-off grade has been applied. This cut-off is not substantiated through mining reserves since no mining of these sorts of deposits has occurred in the project area or in fact, in the region. This cut-off grade is considered to be an appropriate economic cut- off.</li> </ul>
Mining factors or assumptions	Assumptions made regarding possible mining methods, minimum mining dimensions and internal (or, if applicable, external) mining dilution. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential mining methods, but the assumptions made regarding mining methods and parameters when estimating Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the mining assumptions made.	<ul> <li>Assumptions for mining are to utilize a Dredge or Sand Pump process feeding a wet mineral separation plant to separate the heavy minerals from the sands/gravels. A wet high intensity magnetic separation plant will be used to separate the Magnetite from the heavy minerals.</li> </ul>
Metallurgical factors or assumptions	• The basis for assumptions or predictions regarding metallurgical amenability. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential metallurgical methods, but the assumptions regarding metallurgical treatment processes and parameters made when reporting Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of	Detrital magnetite is considered to be the salable mineral driving economics. Extensive magnetic separation and XRF of magnetic and non-magnetic heavy minerals has been performed on the MREs surrounding Koroua Island (Sigatoka River and Kulukulu).

Criteria	JORC Code explanation	Commentary
	the basis of the metallurgical assumptions made.	
Environmen- tal factors or assumptions	<ul> <li>Assumptions made regarding possible waste and process residue disposal options. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider the potential environmental impacts of the mining and processing operation. While at this stage the determination of potential environmental impacts, particularly for a greenfields project, may not always be well advanced, the status of early consideration of these potential environmental impacts should be reported. Where these aspects have not been considered this should be reported with an explanation of the environmental assumptions made.</li> </ul>	<ul> <li>Koroua Island is situated adjacent to villages who presently utilize it for agriculture. Sigatoka River is under influence of the Coastal tides and as such is saline. It is assumed that no salt water will impact landforms – instead that fresh water will be utilized to wash any stockpiles and that the mine processing areas will be bunded against neighbouring environs.</li> </ul>
Bulk density	<ul> <li>Whether assumed or determined. If assumed, the basis for the assumptions. If determined, the method used, whether wet or dry, the frequency of the measurements, the nature, size and representativeness of the samples.</li> <li>The bulk density for bulk material must have been measured by methods that adequately account for void spaces (vugs, porosity, etc), moisture and differences between rock and alteration zones within the deposit.</li> <li>Discuss assumptions for bulk density estimates used in the evaluation process of the different materials.</li> </ul>	<ul> <li>Assumed to be 1.8mg/L. It is expected a variable density will be employed using a component calculation for future resource estimates.</li> <li>The mineral is assumed to be roughly 50:50 magnetite:pyroxenes and on this basis with HM content (by weight) dominantly between 10-20% this bulk density assumption is adequate for the current MRE.</li> </ul>
Classification	<ul> <li>The basis for the classification of the Mineral Resources into varying confidence categories.</li> <li>Whether appropriate account has been taken of all relevant factors (ie relative confidence in tonnage/grade estimations, reliability of input data, confidence in continuity of geology and metal values, quality, quantity and distribution of the data).</li> <li>Whether the result appropriately reflects the Competent Person's view of the deposit.</li> </ul>	<ul> <li>Koroua Island is entirely classified as an Indicated Resource. Account has been taken of the variability throughout the current array of drilling. An indication of the increase in confidence shown on drill line 3,871,200mN where double line density was performed, showed that in the west, for example, 25m hole spacing was more confidently defining features (elevations of oversize and clay content) perhaps at a Measured classification.</li> <li>The resultant Indicated MRE reflects this Competent Persons view of the deposit.</li> </ul>
Audits or reviews	The results of any audits or reviews of Mineral Resource estimates.	None performed at time of writing.
Discussion of relative accuracy/confidence	Where appropriate a statement of the relative accuracy and confidence level in the Mineral Resource estimate using an approach or procedure deemed appropriate by the Competent Person. For example, the application of statistical or geostatistical procedures to quantify the relative accuracy of the resource within stated confidence	<ul> <li>The accuracy and confidence exhibited by the data and the resultant interpretation is appropriate for an Indicated classification for the Koroua Island MRE.</li> <li>Statistical analysis using model-drilling comparative analysis (SWATH plotting) will demonstrate how well the interpolation</li> </ul>

Criteria .	JORC Code explanation	Commentary
•	<ul> <li>limits, or, if such an approach is not deemed appropriate, a qualitative discussion of the factors that could affect the relative accuracy and confidence of the estimate.</li> <li>The statement should specify whether it relates to global or local estimates, and, if local, state the relevant tonnages, which should be relevant to technical and economic evaluation. Documentation should include assumptions made and the procedures used.</li> <li>These statements of relative accuracy and confidence of the estimate should be compared with production data, where available.</li> </ul>	<ul> <li>methods/parameters have performed (to be completed).</li> <li>The 8% cut-off applied to the resource statement is intended as an indicative cut-off for technical and economic evaluations. This cut-off will no doubt be refined as studies define economic value and mineability.</li> </ul>

Sections 4 and 5 are not included as no new reserve estimates are being reported at this time.