

# **Company Presentation Chairman – Bill Guy**

October 2020 ASX: TGM, TGMO | OTCQB: TGMGF www.thetagoldmines.com



1

### **Disclaimer**



#### Forward looking and cautionary statements

This announcement or presentation may refer to the intention of Theta Gold Mines regarding estimates or future events which could be considered forward looking statements. Forward looking statements are typically preceded by words such as "Forecast", "Planned", "Expected", "Intends", "Potential", "Conceptual", "Believes", "Anticipates", "Predicted", "Estimated" or similar expressions, Forward looking statements, opinions and estimates included in this announcement are based on assumptions and contingencies which are subject to change without notice, and may be influenced by such factors including but not limited to funding availability. market-related forces (commodity prices, exchange rates, stock market indices and the like) and political, environmental or economic events (including government or community issues, land owners, global or systemic events). Forward looking statements are provided as a general reflection of the intention of the Company as at the date of release of the document, however are subject to change without notice, and at any time. Future events are subject to risks and uncertainties, and as such results, performance and achievements may in fact differ from those referred to in this announcement. Mining, by its nature, and related activities including mineral exploration, are subject to a large number of variables and risks, many of which cannot be adequately addressed, or be expected to be assessed, in this document. Work contained within or referenced in this report may contain incorrect statements, errors, miscalculations, omissions and other mistakes. For this reason, any conclusions, inferences, judgments, opinions, recommendations or other interpretations either contained in this announcement, or referencing this announcement, cannot be relied upon. There can be no assurance that future results or events will be consistent with any such opinions, forecasts or estimates. The Company believes it has a reasonable basis for making the forward looking statements contained in this document, with respect to any production targets, resource statements or financial estimates, however further work to define Mineral Resources or Reserves. technical studies including feasibilities, and related investigations are required prior to commencement of mining. No liability is accepted for any loss, cost or damage suffered or incurred by the reliance on the sufficiency or completeness of the information, opinions or beliefs contained in this announcement.

The Feasibility Study referred to in this announcement is based on technical and economic assessments to support the estimation of Ore Reserves. There is no assurance that the intended development referred to will proceed as described, and will rely on access to future funding to implement. Theta Gold Mines believes it has reasonable grounds the results of the Feasibility Study. At this stage there is no guarantee that funding will be available, and investors are to be aware of any potential dilution of existing issued capital. The production targets and forward looking statements referred to are based on information available to the Company at the time of release, and should not be solely relied upon by investors when making investment decisions. Theta Gold cautions that mining and exploration are high risk, and subject to change based on new information or interpretation, commodity prices or foreign exchange rates. Actual results may differ materially from the results or production targets contained in this release. Further evaluation is required prior to a decision to conduct mining being made. The estimated Mineral Resources quoted in this release have been prepared by Competent Persons as required under the JORC Code (2012). Material assumptions and other important information are contained in this release.

#### NOTE BUSINESS ARRANGEMENT

Theta Gold Mines holds 100% issued capital of its South African subsidiary Stonewall Mining (Pty) Ltd ("Stonewall"). Stonewall holds a 74% shareholding in both Transvaal Gold Mining Estates Limited ("TGME") and Sabie Mines (Pty) Ltd ("Sabie Mines"). TGME holds the various exploration and mining permits. The balance of shareholding is held by Black Economic Empowerment ("BEE") entities. The South African Mining Charter requires a minimum of 26% meaningful economic participation by the historically disadvantaged South Africans ("HDSAs"). The BEE shareholding in TGME and Sabie Mines is comprised of a combination of local community trusts, an employee trust and a strategic entrepreneurial partner.

#### **Disclaimer and Competent Persons Statement**

#### DISCLAIMER

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This announcement or presentation may contain forward looking statements. Whilst Theta Gold Mines has no reason to believe that any such statements and projections are either false, misleading or incorrect, it does not warrant or guarantee such statements. Nothing contained in this announcement constitutes investment, legal, tax or other advice. This overview of Theta Gold Mines does not purport to be all inclusive or to contain all information which its recipients may require in order to make an informed assessment of the Company's prospects. Before making an investment decision, you should consult your professional adviser, and perform your own analysis prior to making any investment decision. To the maximum extent permitted by law, the Company makes no representation and gives no assurance, guarantee or warranty, express or implied, as to, and take no responsibility and assume no liability for, the authenticity, validity, accuracy, suitability or completeness of, or any errors in or omissions, from any information, statement or opinion contained in this announcement contains information, ideas and analysis which are proprietary to Theta Gold.

#### COMPETENT PERSONS STATEMENT

The information in this report relating to mineral resources and ore reserves is based on, and fairly reflects, the information and supporting documentation compiled by Mr Uwe Engelmann (BSc (Zoo. & Bot.), BSc Hons (Geol.), Pr.Sci.Nat. No. 400058/08, MGSSA), a director of Minxcon (Pty) Ltd and a member of the South African Council for Natural Scientific Professions and Mr Daan Van Heerden (B Eng (Min.), MCom (Bus. Admin.), MMC, Pr.Eng. No. 20050318, FSAIMM, AMMSA), a director of Minxcon (Pty) Ltd and a member of the Engineering Council of South Africa respectively.

The original reports titled "Theta Gold Increases Mineral Resource to over 6Moz" and "Positive Feasibility Study for Theta Project" dated 16 May 2019 and "Optimised Mine Schedule for Theta Open Pit Starter Project Delivers Significant Improvements" dated 20 April 2020 were released to the Australian Securities Exchange (ASX) on those dates. The Company confirms that:

- it is not aware of any new information or data that materially affects the information included in the ASX announcements; and
- all material assumptions and technical parameters underpinning the estimates in the ASX announcements continue to apply and have not materially changed.

#### **AUTHORISATION**

This announcement was authorised for release by Mr Bill Guy, Chairman.

# **Key Updates**

TGMO Listed Options Expiring 31<sup>st</sup> October 2020 33.75m (A\$ 0.30 exercise price)

### Stage 1 Theta Starter-pits :

Confirmation letter received from the Department of Mineral Resources & Energy ("DMRE") supporting the Company's application to amend Environmental Authorisation ("EA") to MR83 to allow open-pits mining, DMRE to expedite its decision by end of November.

- Expecting CIL plant funding & construction solution by November.
  - Detailed Engineering Design for the CIL plant
  - Ball Mill refurbishment work to commence

Indicative Term Sheet received from a local Sovereign Fund for additional debt financing, negotiation ongoing.

### **Proposed Underground Development:**

Initial underground sampling work completed, metallurgical test work results pending by November.

Advanced underground mining methods analysed and considered for all future underground mining across the goldfield,

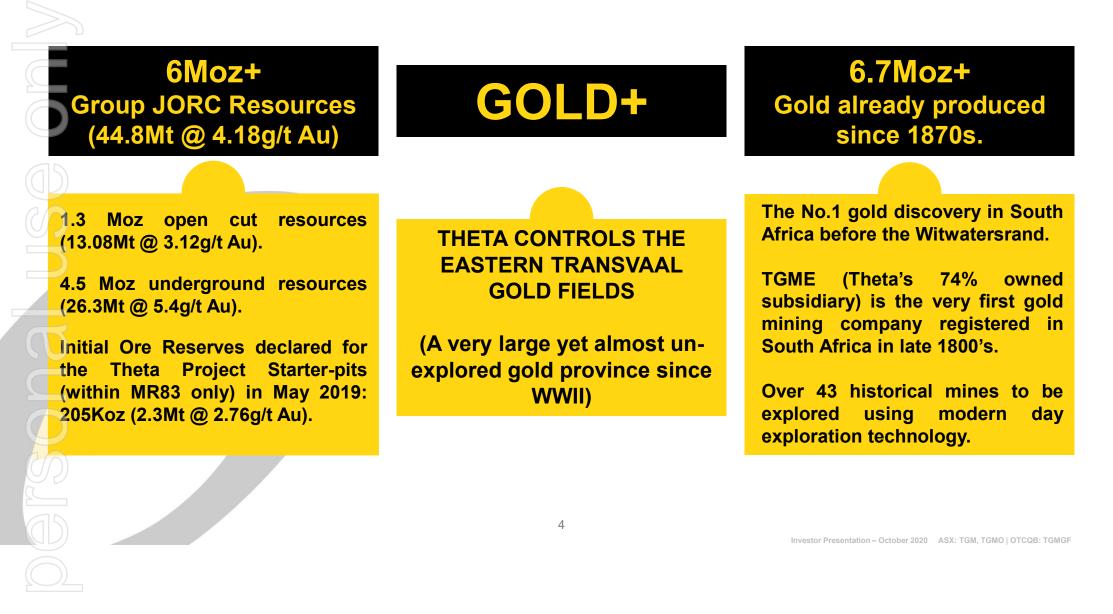
updates expected by November.

Engineering drilling in progress for underground mines, results from November.

PFS work commenced for underground mines.



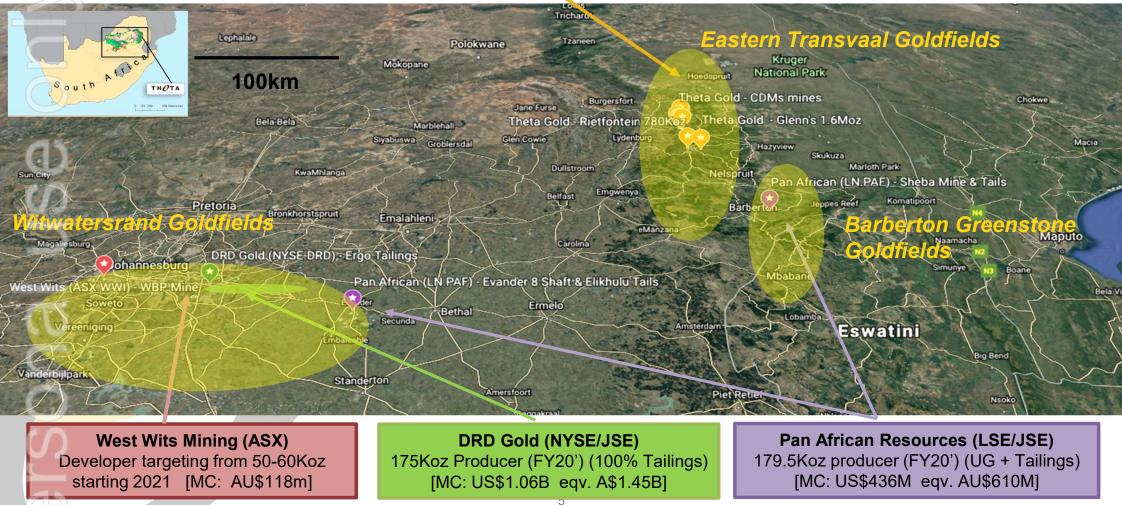




# South African Junior/Mid-tier Producer/Developers



### Theta Gold - 6Moz Developer targeting >160Koz (from 50Koz) starting 2021 [MC: AU\$140m]



Reference: Market Capitalization (MC) gathered after-market 26th October 2020 (AEDT); production profile from companies respective 2020 Financial Statements

# **Corporate Overview / Board of Directors**



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# **Senior Management – In-country Execution Team**





### Mitford Mundell (Metalliferous Mining, MBA) – CEO (Africa)

- Former CEO of Namakwa Diamonds, commissioned and expanded profitable production, extended a 3 year LoM to +20 years
- >14 years at Harmony Gold, rising ranks to General Manager and Business Coach positions. Operated as GM on the only open-pit mine under Harmony – Kalgold Gold Project.
- Specialises in asset optimization, strategic planning, stakeholder management, project build as well as managing both open-pit and underground gold mines.

#### Jacques Du Triou (Engineer) – COO (Africa)

- Jacques spent >16 years at Harmony Gold with many years as General Manager. Led the Doornkop South Reed Deepening Project which had an estimated capital cost of ~US\$700m from feasibility to peak production.
- Prior to joining Theta, Jacques founded Qmotion Mining, delivered contracts for the Evander Gold Mine, Sibanye Stillwater, Anglo Platinum, Royal Bafokeng Platinum and Murray & Roberts Holdings.

### Terrence Mokale (Lawyer) – Director/Social (South Africa)

- An admitted Attorney of High Court of South Africa. Terrence specialises in social economic development and municipal governance.
- Consults to Glencor, Gold One and recently Sibanye-Stillwater on community/stakeholders engagement and relations.

### Natasha Thomas-Kasangana (Lawyer) - Director/Legal (South Africa)

- An admitted Attorney in South Africa experienced with mining
- Formerly worked for Jupiter Mine's South African T'shipi Manganese operations

#### **George Jenkins (Metallurgist) - Director/Sustainability (South Africa)**

- A qualified extraction metallurgist with over 30 years of mining experiences across South African and Australia including been employed by JCI Mining, Vale Australia and Anglo American Coal.
- George was formerly the CEO of Theta's South African operations.

### Hanlie Grobler (Accountant) – Director/Finance (South Africa)

- Been with the company since 2009 and commenced as Financial Manager for former owner Simmers & Jacks Mines.
- Hanlie previously worked for Kraft Food (SA) as Finance Director and holds both Accounting Degree and MBA.

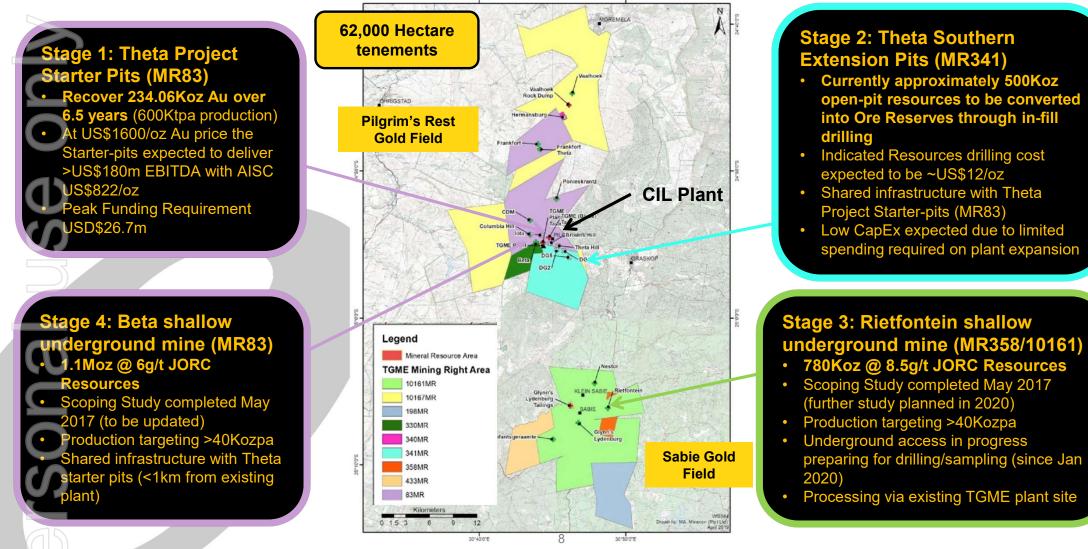






# **Building up to a >160,000oz Au Production Profile**





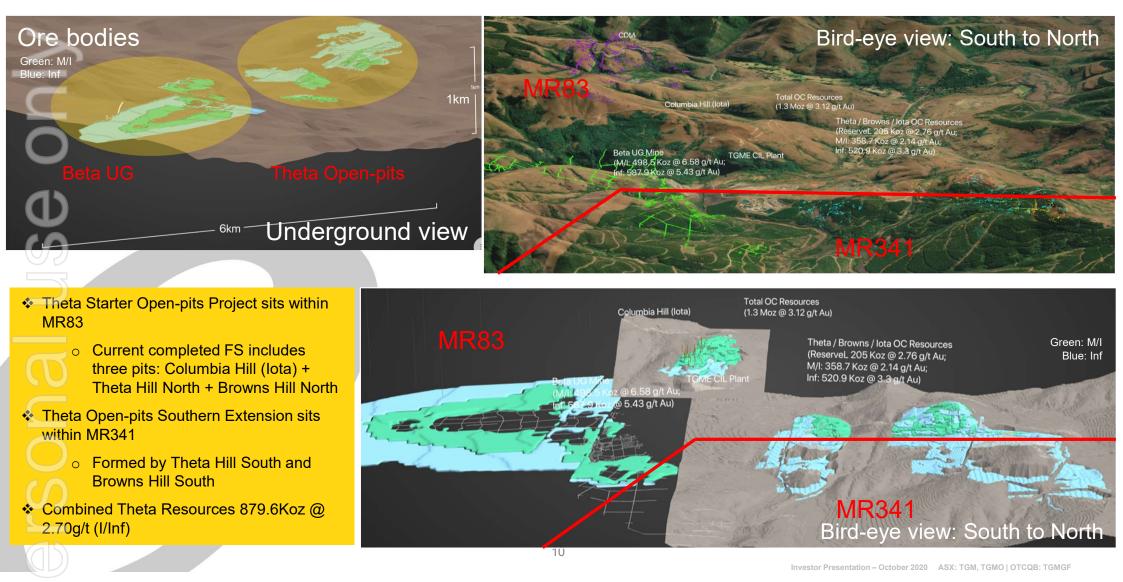
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# Theta Project Starter-pits (MR83) Optimised Feasibility Study **THOTA**

<ul> <li>Stage 1 Theta Starter-pits:</li> <li>Annual production planned for 600Ktpa, mine life of 6.5 years to recover a total of 234Koz gold</li> <li>Recently purchased a 1.2Mtpa Ball Mill – easy to double up production for Stage 2 pit extensions.</li> <li>Low CapEx and very high margin operations.</li> <li>Current gold price environment will substantially enhance project economics.</li> </ul>						
Real Discount Rate	Unit	US\$1500/oz Case	US\$1600/oz Ca			
NPV @ 5%	USDm	85	1			
Internal Rate of Return (IRR)	%	123.0%	157.2			
Total ounces in Mine plan	oz	259,607	259,6			
Total Oz Recovered	oz	234,063	234,0			
Average Payback Period (From Start of Production)	Month	8				
Peak Funding Requirement	USDm	26.7	2			
All-in-Sustaining Cost (AISC)	USD/oz	855	8			
Return on investment	USDm	350%	47			
EBITDA over LOM (Undiscounted)	USDm	150.2	18			
Gold Price	USD/oz	1,500	1,0			
Exchange Rate	ZAR/USD	16.00	17			

# Stage 1 & 2 (Open-pits), and 4 (UG) - 3D Visual





# **Underground work in progress**



Underground Engineering Drilling in progress – results due from November 2020.



Modern underground mining methods & technologies to boost Theta's underground mine economics:

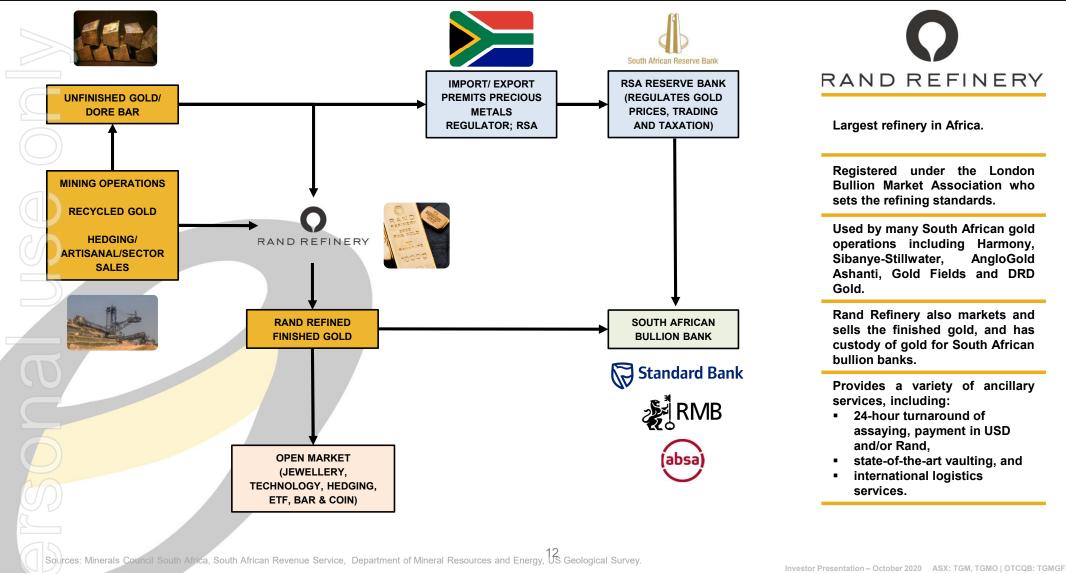
- Modern mining methods to recover maximum grade with improved strip ratios
- Modern gold processing to maximise gold recovery
- Modern mining planning to maximise production rates



Sandvick low Profile LHD – At a height 1.6 m designed for operation in narrow-reef drill drives

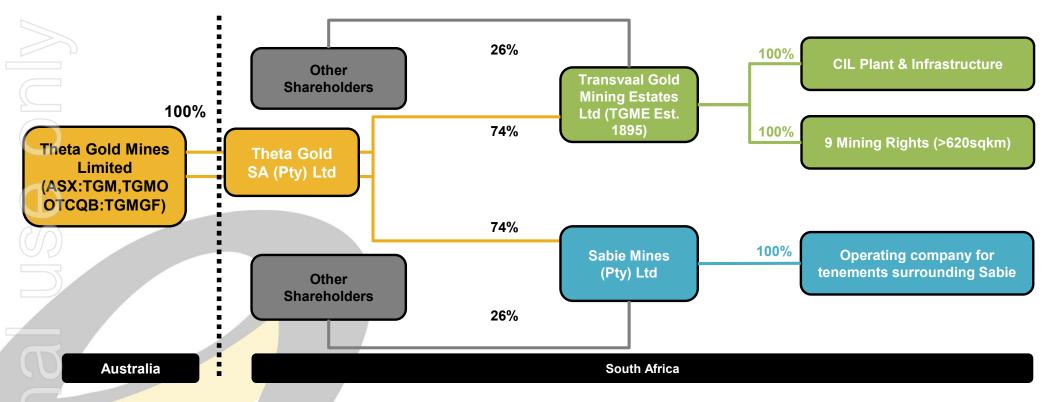
## **Mature And Developed Gold Market**





# **Corporate Structure**





Other Shareholders general comprise of:

- Employees Trust (Employee/labour Incentives),
  - Environmental Sustainability Trust (to be established),
  - Local Landholders,
  - Local entrepreneurs.

The Other Shareholders' 26% equity interest are <u>not a free-carry interest</u>, it is a contributing equity interest (more details can be read from the Company's 2018 or 2019 Annual Reports). 13

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Mineral Resource Classification	Type of Operation	Tonnage	Gold Grade	Gold Content	
Classification		Mt	g/t	Kg	koz
Measured	Underground	0.091	5.37	489	15.7
Total Measured		0.091	5.37	489	15.7
Indicated	Underground	4.774	6.21	29,661	953.7
	Open Pit	7.161	2.11	15,091	485.2
	Tailings	5.244	0.83	4,373	140.6
Total Indicated & Mea		17.179	2.86	49,126	1,579.4
	Underground	21.452	5.22	111,880	3,597.0
Inferred	Open pit	5.922	4.35	25,730	827.3
	Tailings	0.023	0.57	13	0.40
	Rock Dump	0.121	1.64	199	6.40
Total Inferred		27.518	5.01	137,823	4,431.0
Grand Total		44.788	4.18	187,438	6,026.2

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#### Notes:

- · Columns may not add up due to rounding.
- · Gold price used for the cut-off calculations is USD1,500/oz.
- UG Mineral Resources are • reported at a cut-off of 160 cm.g/t, open pit at 0.5 g/t and 0.35 g/t, tailings and rock dumps at 0.35 g/t.
- Fault losses of 5% for ٠ Measured and Indicated, 10% for Inferred Mineral Resources.
- Mineral Resources are stated as inclusive of Ore Reserves.
- Mineral Resources are reported • as total Mineral Resources and are not attributed.

15

# **Resources Tables**



#### Reef Reef Mineral Resource **Reef Width** Content Au Content **Open Pit Mine** Reef Grade Tonnes Classification a/t Mt Kg cmgt koz cm Theta & Browns Hill Shale 1.02 200 204 0.439 402 12.9 Theta & Browns Hill **Bevetts** 1.10 221 244 0.891 886 28.5 Theta & Browns Hill Upper Theta 2.41 100 241 0.724 1,568 50.4 Theta & Browns Hill Lower Theta 3.70 100 370 0.888 2,956 95.0 Indicated Theta & Browns Hill Beta 2.49 100 249 0.383 859 27.6 **Columbia Hill** 2.89 114 330 0.105 303 9.7 **Bevetts Columbia Hill** Upper Rho 2.43 393 956 0.808 1,965 63.2 **Columbia Hill** Lower Rho 2.51 550 1381 2,047 65.8 0.815 171 5.5 Columbia Hill Upper Theta 1.08 114 123 0.158 **Total Indicated** 2.14 246 526 5.211 11.157 358.7 Reef Reef Mineral Resource **Reef Width** Content Au Content **Open Pit Mine** Reef Grade Tonnes Classification Mt Kg q/t cm cmgt koz Theta & Browns Hill Shale 1.11 666 21.4 216 240 0.703 Theta & Browns Hill **Bevetts** 1.07 213 227 0.648 589 19.0 Theta & Browns Hill **Upper Theta** 1.86 100 186 1.071 1,692 54.4 Inferred Theta & Browns Hill Lower Theta 8.11 100 811 1.643 11,329 364.3 Theta & Browns Hill Beta 2.23 223 0.748 1,417 100 45.6 544 507 Columbia Hill Upper Rho 5.13 106 0.099 16.3 434 4.912 16.202 520.9 **Total Inferred** 3.30 132

4	Mineral Resource	Open Pit Mine	Reef	Reef Grade	Reef Width	Content	Reef Tonnes	Au Content	
	Classification			g/t	cm	cmgt	Mt	Kg	koz
10	Indicated	Total Theta Project	All	2.14	246	526	5.2	11,157	358.7
	Inferred	Total Theta Project	All	3.30	132	435	4.9	16,202	520.9
	Total Indicated and Inferred			2.70	190	514	10.1	27,359	879.6

#### Total Theta Project - Mineral Resources, 16 May 2019

#### <u>Notes:</u>

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- Theta Project (Theta Hill, Browns Hill and lota) cut-off is 0.35 g/t.
- The gold price used for the cutoff calculations is USD 1,500 / oz.
- Geological losses applied are 10% for inferred and 5% for Indicated and Measured.
- Theta Hill and Browns Hill -Upper Theta Reef, Lower Theta Reef and Beta Reef are diluted grades over 100cm.
- Historical mine voids have been depleted from the Mineral Resource.
- The inferred Mineral Resources have a high degree of uncertainty and it should not be assumed that all or a portion thereof will be converted to Ore Reserves.
- Mineral Resources fall within the mining right MR83 and MR341.

Theta Project Ore Reserves for MR83 only, 16 May 2019 (The Ore Reserves exclude Inferred Mineral Resources).

Mineral Resource	Pit	Grade	Reef Tonnes	Au Content		
Category in LoM Plan	Pit	g/t	kt	kg	oz	
Probable	Browns Hill	3.24	564	1,826	58,699	
Probable	lota	2.54	1,253	3,189	102,513	
Probable	Theta Hill	2.76	493	1,362	43,798	
Total		2.76	2,310	6,377	205,010	

### <u>Notes:</u>

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- Totals in the Ore Reserve may not add-up due to rounding.
- Mineral Resources are for MR83 only and excludes MR341.
- No Inferred Mineral Resources are included in the Ore Reserve.



16

15



		Key Project Progress		Key Corporate Changes
	30 Jul 2020 20 Jul 2020 20 Apr 2020	Geotechnical Drilling and Geophysics for Starter Theta Pit Theta Selects Digmin as Preferred Mining Contractor Optimised Theta Project delivers additional 40k oz of gold	09 Sep 2020	Theta Appoints Two ex-Harmony Gold specialists to Leadership Team
	23 Mar 2020 16 Mar 2020	Ball Mill arrives at mine site Regional exploration strategy	13 Jul 2020	OTC Listing – DTC Eligibility Approved
	03 Mar 2020 03 Feb.2020	Theta project development update Exploration-New gold mineralisation system model	11 Jul 2020 08 Nov 2019	Managing Director Step Down Theta Gold Mines Lists on OTC
	28 Jan 2020 20 Oct 2019	Results of Independent Plant Design Optimisation Study Theta buys ball mill for US\$360k in preparation towards	19 Dec 2018	Markets
	$\bigcirc$	construction		Appointment of Director-Finn Behnken
	22 Aug 2019 16 May 2019	Optimised gold plant layout completed Positive feasibility study for Theta project	29 Oct 2018	Name change to Theta Gold Mines Limited
	16 May 2019 29 Apr 2019	Theta Gold increases mineral resource to over 6M oz More high grade gold assays at Columbia Hill	29 Oct 2018 06 Sep 2018	Notice of 10:1 consolidation Bill Guy appointed as Chairman
6	04 Mar 2019 04 Mar 2019	Feasibility study update High grade gold assays at Columbia Hill		
	21 Jan 2019 29 Nov 2018	High grade gold assays at Theta Hill High grade shallow gold at Theta Hill and Columbia Hill	A	SX Tickers:
	15 Oct 2018 26 Sep 2018	Positive Theta Hill open-cut gold mine scoping study Theta Hill open cut grows to 5.8M oz resource		TGM
Q	28 Aug 2018	Theta Hill open cut drilling update and scoping study update	OTO	
0	18 Jun 2018 22 May 2018	Resource drilling continues at Theta Hill Exploration update	OTC	
	12 May 2018	126g/t from drilling at Th <b>eta Hill</b>	THE VENTU	RE MARKET

### Why Invest in Theta?



### Why Invest in Theta Gold Now:

 Discovery cost less than 0.7% (US\$12/oz) of current gold price

Transitioning to "Producer Status" in 2021

Production costs (AISC) will be less than half current
 gold price

### ✓ A Multi-Million Ounce Goldfield

### What is Theta Worth:

18

1.Replacement Cost for 6Moz Resources (~US\$45/oz<sup>1</sup> ?)

2.Replacement Cost for existing infrastructure incl. underground workings, permitted plant & TSF, power/water etc (\$ ???)

3.Controlling our own Gold Field/System (\$ ???)

1. Source: CSIRO "21 Century Gold Issue 17"

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19

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