



# A Vibrant and Growing Gold Producer in a World Class District

**Sydney GAIC 2019**  
Paul Poli *Executive Chairman*



**MATSA**  
RESOURCES

# IMPORTANT NOTICE

## Disclaimer and Forward Looking Statements

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This presentation includes information and graphics relating to a conceptual mining study, completed Mineral Resource estimate and a scoping study and includes “forward looking statements” which include, without limitation, estimates of gold production based on mineral resources that are currently being evaluated.

While the Company has a reasonable basis on which to express these estimates, any forward looking statement is subject to risks, uncertainties, assumptions and other factors, which could cause actual results to differ materially from future results expressed, projected or implied by such forward-looking statements. Risks include, without limitation, gold metal prices, foreign exchange rate movements, project funding capacity and estimates of future capital and operating costs. The Company does not undertake to release publicly any revisions to forward looking statements included in this report to reflect events or results after the date of this presentation, except as may be required under applicable securities regulations.

Any potential investor should refer to publicly available reports on the ASX website and seek independent advice before considering investing in the Company.

## Competent Persons Statements Exploration Results

The information in this report that relates to Exploration results, is based on information compiled by David Fielding, who is a Fellow of the Australasian Institute of Mining and Metallurgy. David Fielding is a full time employee of Matsa Resources Limited. David Fielding has sufficient experience which is relevant to the style of mineralisation and the type of ore deposit under consideration and the activity 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’. David Fielding consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

## Mineral Resources Fortitude

The information in this report that relates to Mineral Resources has been compiled by Matthew Cobb, who is a full-time employee of CSA Global Pty Ltd, and Richard Breyley who is a full time employee of Matsa Resource Ltd. Dr Cobb is a Member of both the Australian Institute of Geoscientists and the Australian Institute of Mining and Metallurgy. Mr Breyley is a member of the Australian Institute of Mining and Metallurgy. Both Dr Cobb and Mr Breyley have sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activities which they are undertaking to qualify as a Competent Persons as defined in the JORC Code (2012). Dr Cobb and Mr Breyley consent to the disclosure of this information in this report in the form and context in which it appears.

## Mineral Resources Red October

The information in the report to which this statement is attached that relates to Exploration Results and Mineral Resources related to Gold is based upon information compiled by Mr Daniel Howe, a Competent Person who is a member of the Australian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists. Daniel Howe is a full-time employee of Saracen Resources. Daniel Howe has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and the activity being undertaken to qualify as a Competent Person as defined in the 2102 Edition of the “Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Daniel Howe consents to the inclusion in the report of matters based on his information in the form and context in which it appears.

# CORPORATE OVERVIEW



## CORPORATE SNAPSHOT

TICKER <b>ASX:MAT</b>	SHARES ON ISSUE <b>216.92</b>	UNLISTED OPTIONS <b>22.4M</b> @ \$0.17 - \$0.30	MARKET CAPITALISATION <b>A\$30.37M</b> @ \$0.14 (23 <sup>rd</sup> Oct 2019)	CASH AND LIQUIDS <b>~A\$8.36M</b> (21 Oct 2019)
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## SIGNIFICANT SHAREHOLDERS (AS AT 23<sup>th</sup> Oct 2019)

SHAREHOLDER	SHAREHOLDING
JP Morgan Ltd	11.26 %
BNP Paribas Nominees	9.25 %
HF Resources Pty Ltd	5.96 %
Paul Poli	5.46 %
<b>Top 20 Shareholders</b>	<b>~52.78 %</b>

## DIRECTORS

Paul Poli	Executive Chairman, Managing Director
Frank Sibbel	Non-Executive Director
Andrew Chapman	Non-Executive Director & Company Secretary

## MAT: TWELVE MONTH SHAREPRICE



Source: ASX



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RESOURCES



# Why buy Matsa?

## Because we're on the move!

# WESTERN AUSTRALIAN PROJECT PORTFOLIO

<b>Red October Gold Mine</b>	<i>Mining Ongoing</i>	<b>99,000 oz Au</b>
<b>Fortitude Gold Mine</b>	<i>Mining to Start</i>	<b>342,600 oz Au</b>
<b>Lake Carey Gold Project</b>	<i>Drilling Ongoing</i>	<b>563km<sup>2</sup></b>
<b>Symons Hill Nickel Project</b>	<i>Exploration</i>	<b>56km<sup>2</sup></b>
<b>Lake Rebecca Gold 20% JV</b>	<i>Exploration</i>	<b>171km<sup>2</sup></b>



## Building Gold Resources at Lake Carey

	INDICATED		INFERRED		TOTAL RESOURCE		
	Tonnes (kt)	Au (g/t)	Tonnes (kt)	Au (g/t)	Tonnes (kt)	Au (g/t)	Au (Oz)
<b>FORTITUDE *</b>	2,945	1.8	2,503	2.1	5,449	2	342,600
<b>RED OCTOBER **</b>	340	4.5	106	14.7	446	6.9	99,000
<b>TOTAL</b>	3,285	2.08	2,609	2.61	5,895	2.37	441,600

\* Ref ASX Announcement: MAT 21/08/2019

\*\* Ref ASX Announcement: SAR 02/08/2017

# LAKE CAREY GOLD PROJECT

## World class gold mines nearby

Sunrise Dam >10Moz

Wallaby >7Moz

Granny Smith >2Moz

Access to available infrastructure

## Underground mining at Red October

Mining of ore commenced in June with ore deliveries in July, mining continuing

## Open pit mining to start at Fortitude

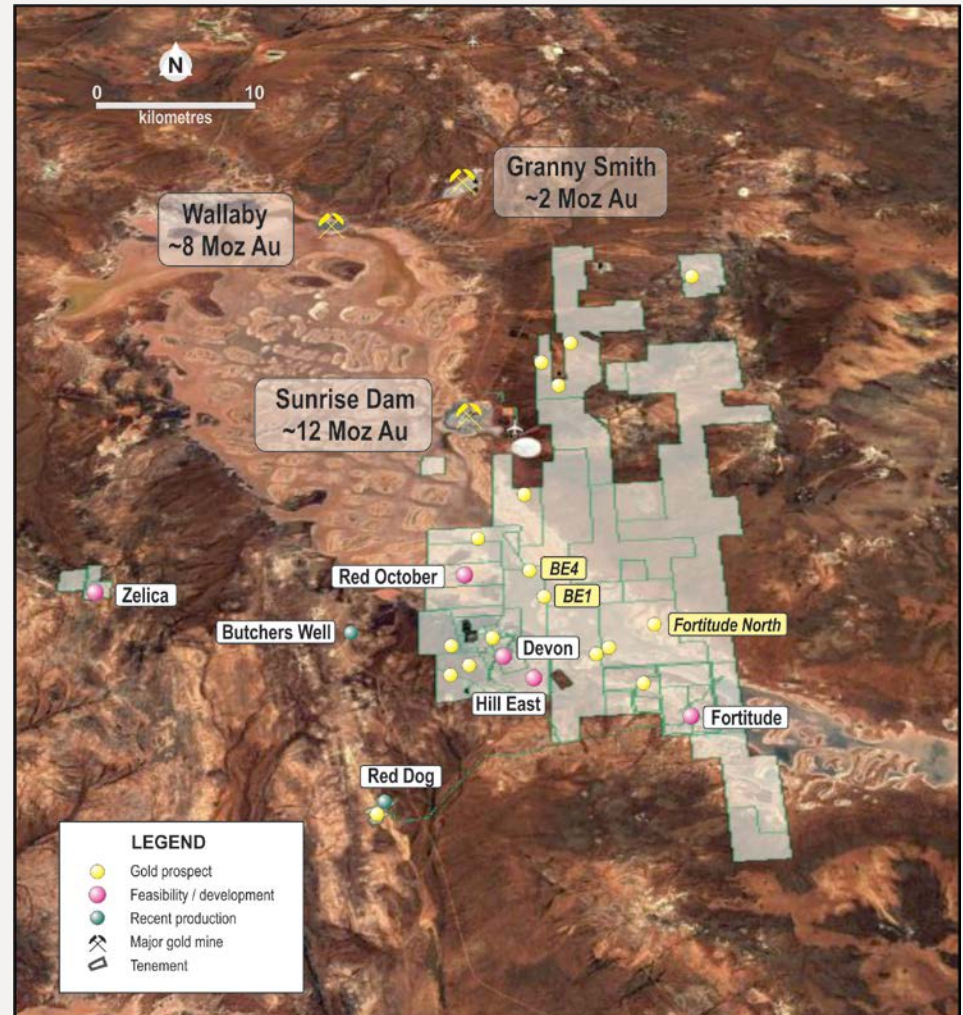
Trial Mine completed 2018, paves the way for Stage 2 to commence ASAP

## Possible near term mining projects

Devon, Hill East and Democrat

## Extensive Drill Programme Set to Commence

Red October Surface, Fortitude North, BE 1, Devon, Linden area and Gallant



# PROVEN CAPACITY TO MINE SUCCESSFULLY

## Proven development capability

- Red Dog Mine A\$5.4M cash surplus, delivered on time and on budget
- Fortitude trial mine A\$700,000 cash surplus, excellent knowledge base for larger Stage 2 mine

## AngloGold Ashanti relationship

- Excellent working relationship underpins MOU at Lake Carey
- 5 year ore purchase agreement in place
- Sunrise Dam ore treatment plant is ideally located for Matsa's Lake Carey project

## Building on success

- Pathway now laid for future mine development
- Becoming recognised as a regional player and able to take advantage of opportunities as they arise





# RED OCTOBER GOLD MINE

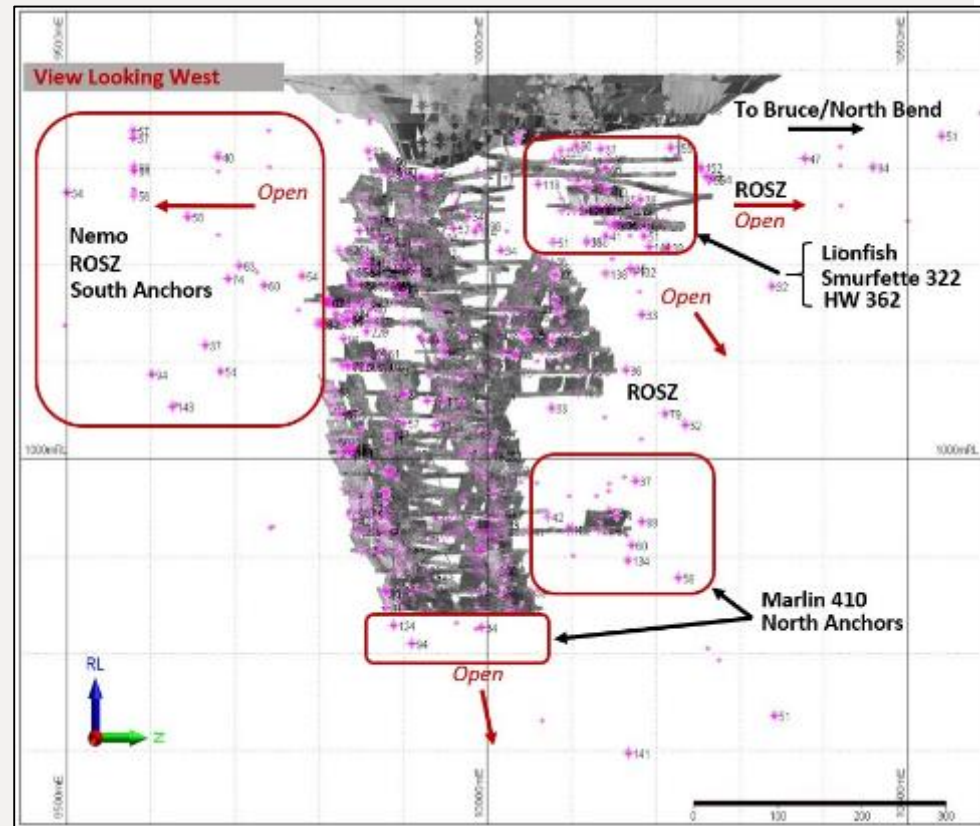
## 100% Matsa owned and operated

- Red October is a high-grade narrow vein structurally controlled gold deposit with significant exploration potential
- Historical production of 342,000 oz gold at an average of 6.1g/t

## U/G Resource 85,000 oz @ 13.6 g/t gold

- Mine has been fully maintained with all ventilation and dewatering equipment in place and operating
- Mining fleet, all surface and underground equipment already acquired by Matsa
- Modern 68 person camp with full accommodation, messing and admin facilities currently in operation

**Nearby to several large gold mines with available milling capacity**



**Red October Intercepts > 1 oz gold**

# RED OCTOBER GOLD MINE

## Initial phase AISC of approximately A\$1,300 per ounce

- Anticipated Cash surplus ~ A\$4.075M at A\$1750/oz gold
- New drilling is expected to extend mining beyond this initial 7 month phase
- Mining studies indicate 27 resource targets having potential for mining after initial 7 months



**New underground drilling expected to deliver strong gold grades and increase in resources**

	INDICATED			INFERRED			TOTAL		
	tonnes	g/t	Oz Au	tonnes	g/t	Oz Au	tonnes	g/t	Oz Au
<b>JUNE 30 2017</b>									
<b>RED OCTOBER OP</b>	251,000	1.7	14,000				251,000	1.7	14,000
<b>RED OCTOBER UG</b>	89,000	12.1	35,000	106,000	14.6	50,000	195,000	13.6	85,000
<b>TOTAL</b>	340,000	4.5	49,000	106,000	14.7	50,000	446,000	6.9	99,000

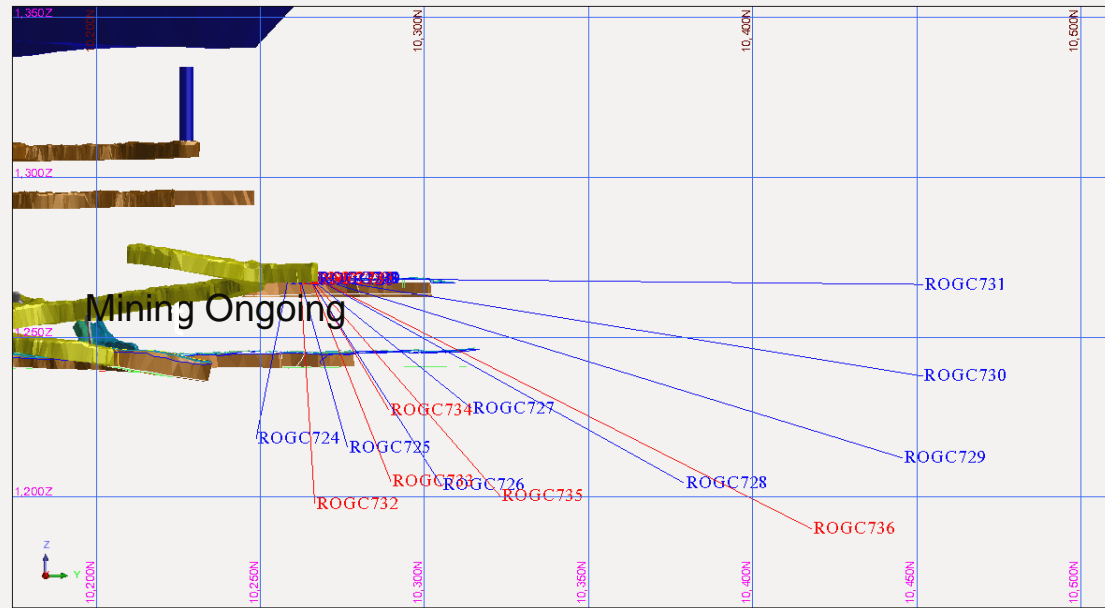
30 June 2017 Red October Resource Estimate (ref ASX: SAR 02/08/2017)

## Underground Mining Ongoing

- Waste mining started April
- Ore mining started June 2019
- Ore Delivery commenced July 2019
- Mining plan ~57,000t of ore at 5.6 g/t Au for 10,222 oz gold

## New 6 month Drill Programme now Commenced

- Targeting new high shoots
- Testing new panels of mineralisation
- Prove up potential for long term underground mining at Red October
- Exploration and resource drilling to be ongoing



Planned first 2,000m of 6 month drilling - North decline

***Aim to ramp-up production ASAP***

# HIGH GRADES AT RED OCTOBER GOLD MINE

## High grade results from previous round drilling Red October Shear Zone "ROSZ"

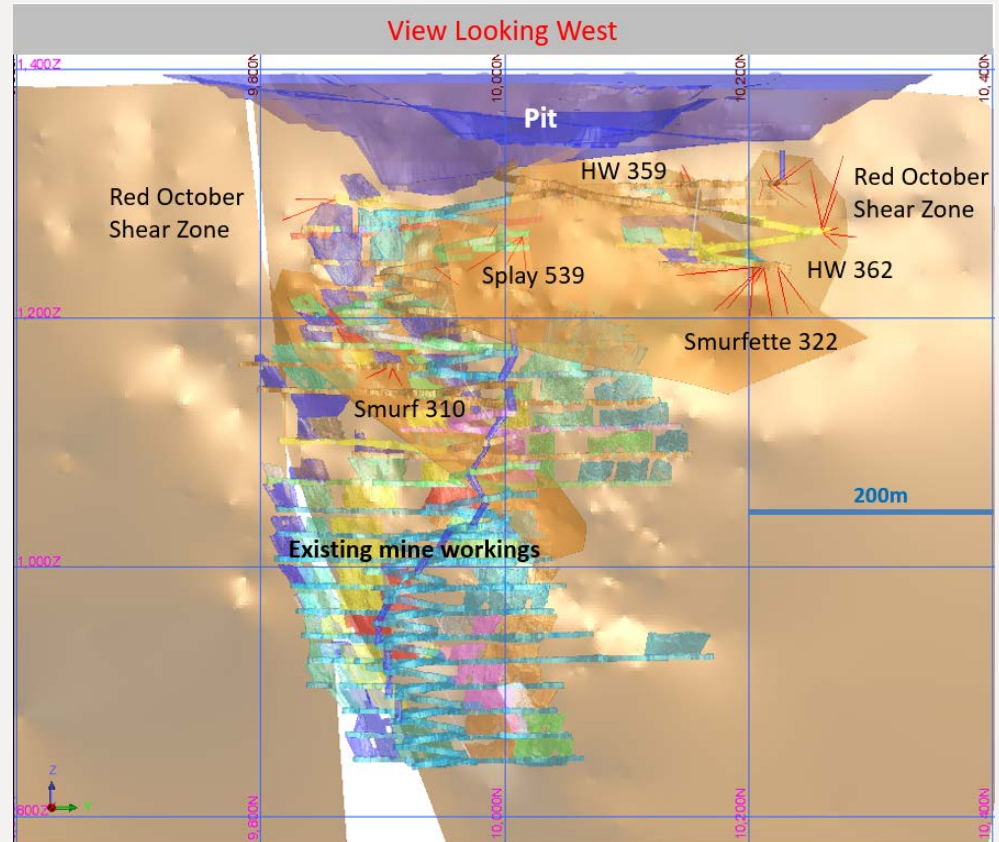
1.60m @ 36.90g/t Au  
4.32m @ 16.30g/t Au  
2.84m @ 15.95g/t Au  
6.30m @ 4.54g/t Au

## ROSZ Bonanza grade intercepts North decline

0.81m @ 181.50g/t Au in HW 362 lode  
1.33m @ 40.51g/t Au in HW 362 lode  
0.80m @ 248.00g/t Au in a new lode

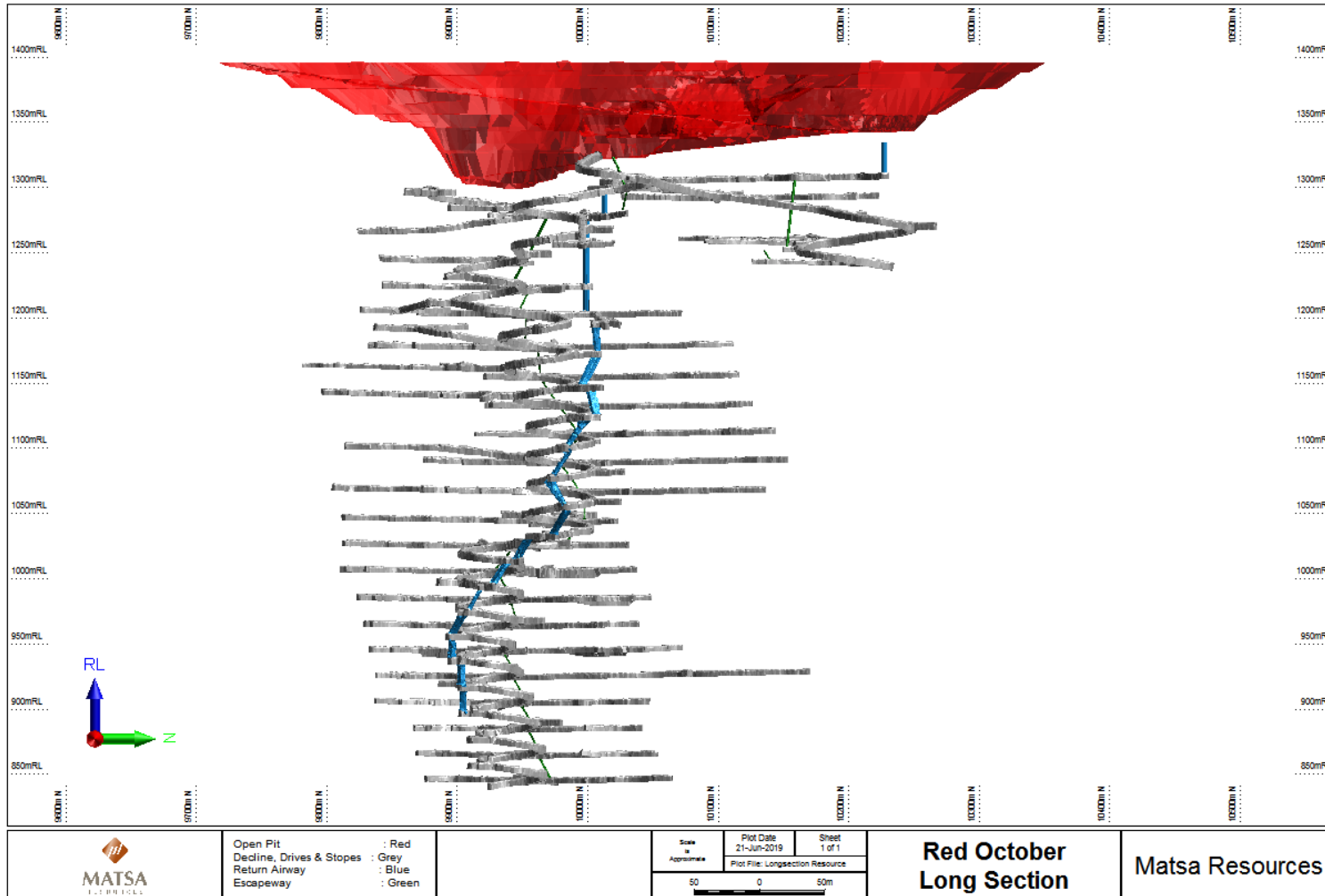
## Compelling Platform for Ongoing Mining

Funds are being channelled into new drilling programmes to grow resources base

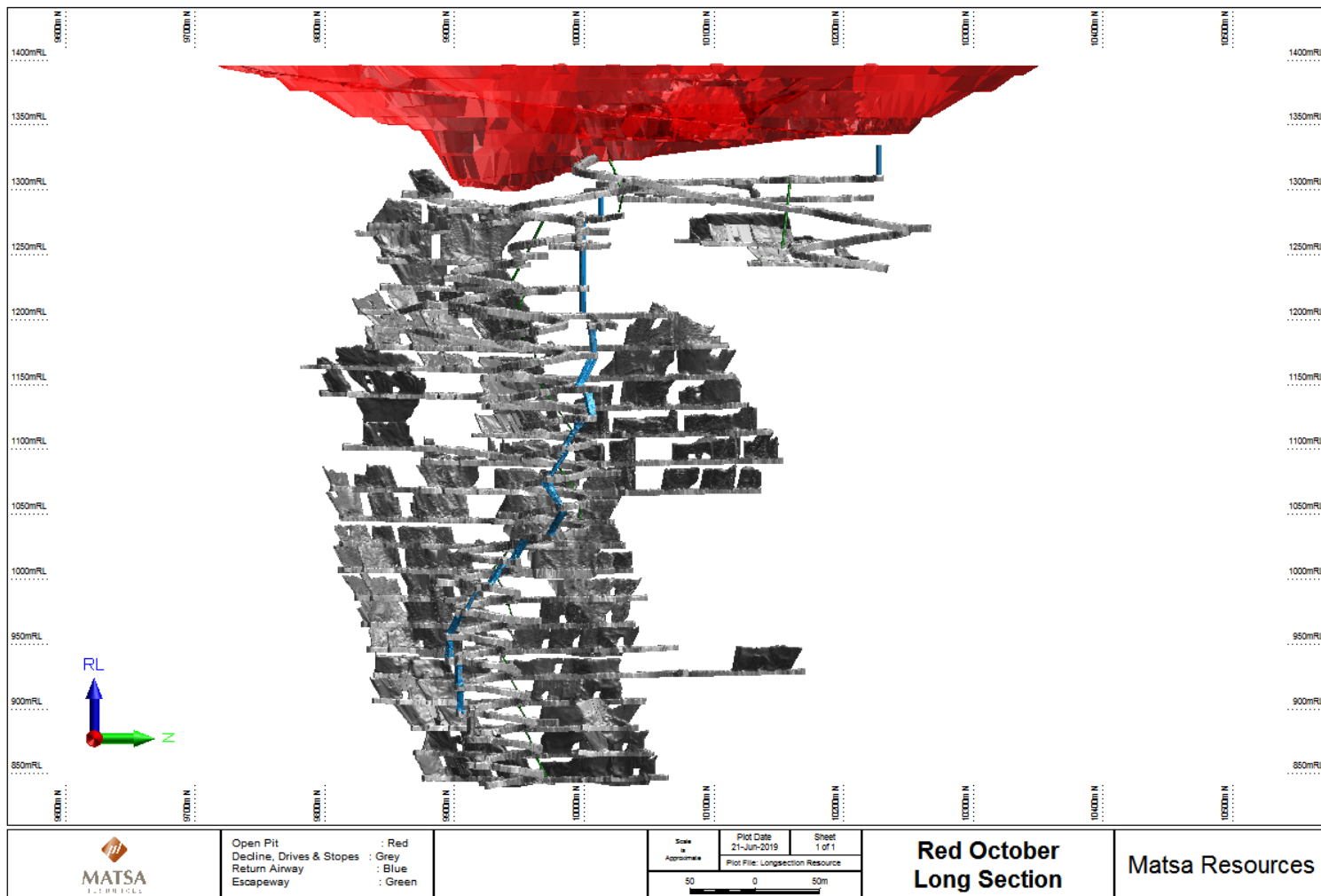


***New round of diamond drilling to commence***

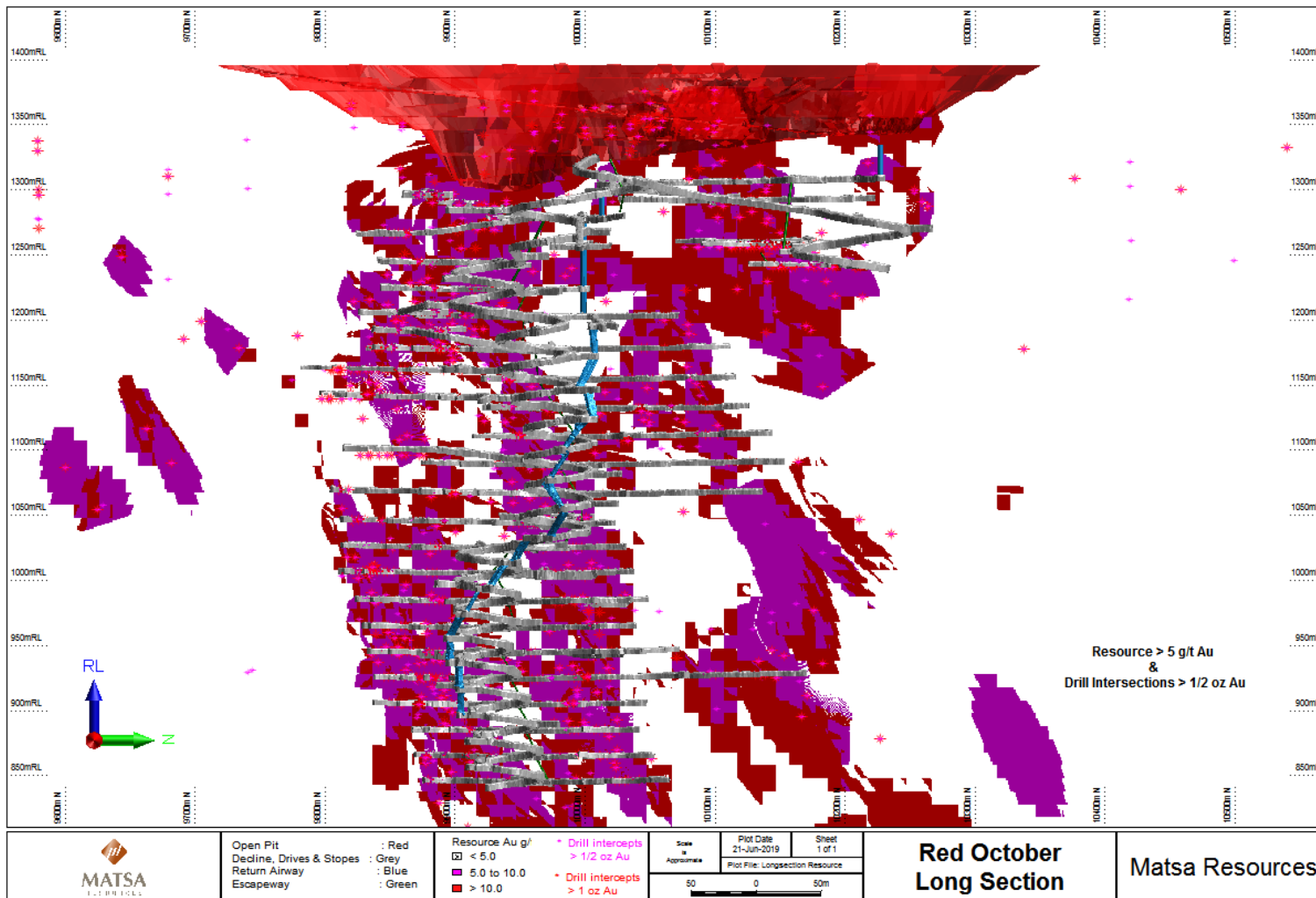
# RED OCTOBER GOLD MINE INFRASTRUCTURE



# RED OCTOBER GOLD MINE MINED AREAS



# RED OCTOBER GOLD MINE FUTURE MINING POTENTIAL



# RED OCTOBER GOLD MINE SIGNIFICANT EXPLORATION UPSIDE

## Substantial underground targets

- Targets outside of the underground resource, already identified for diamond drilling
- Drill targets such as Bruce Lode, Nemo and Eastern Breaks represent exciting targets for near mine mineralisation
- Extensions to known resources such as Marlin, Lionfish, Anchor, Smurfette and Smurf to be drill tested

## Potential for upgrading

- Upgrading of unclassified mineralisation in parts of the mine available through further drilling
- Structural studies suggest substantial potential exists for undiscovered mineralisation adjacent to existing underground development





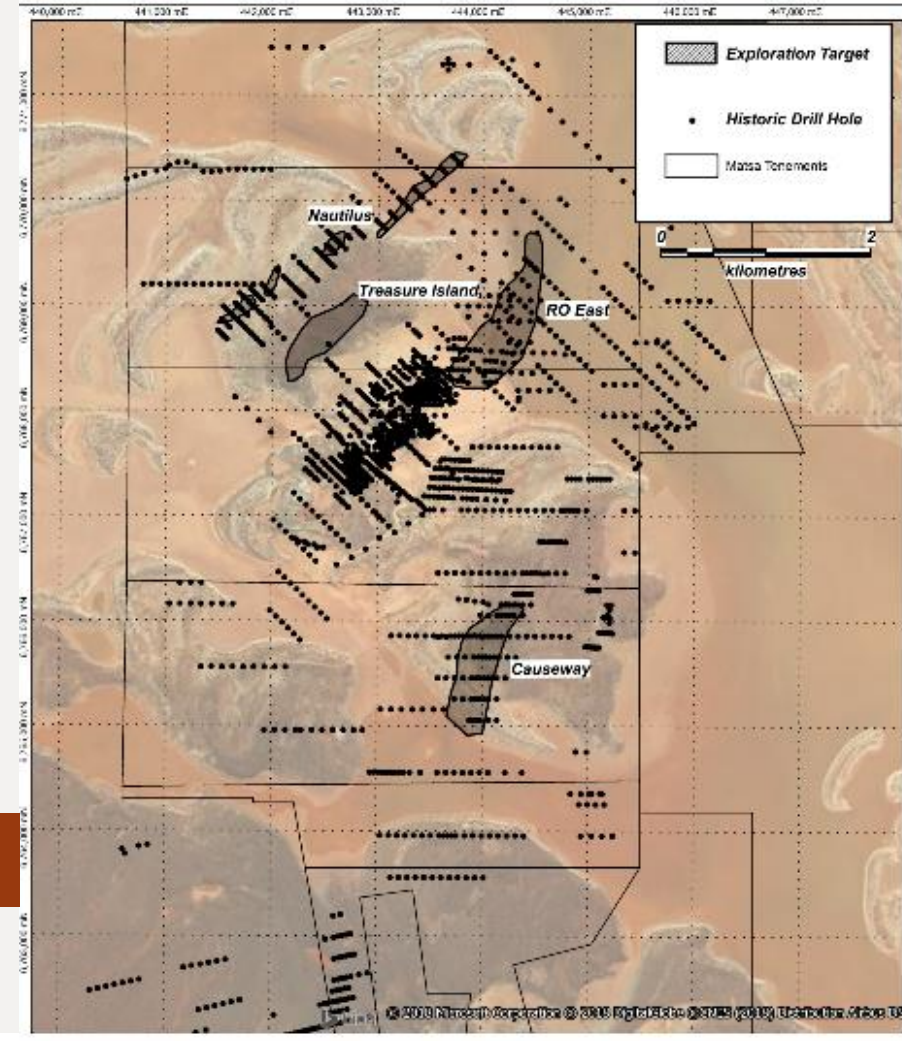
# RED OCTOBER GOLD MINE EXPLORATION UPSIDE

## High priority surface exploration targets identified from past exploration data \*

- Aircore intercepts along strike from Red October Gold Mine up to 2.49 g/t Au
- Aircore intercepts at Nautilus up to of 5.98 g/t Au over distance of 3km
- Aircore and RC intercepts up to 3.2 g/t Au at Causeway
- Rock chips up to 4.6 g/t Au reported from Treasure Island

\*Based on past exploration results reported by Saracen Minerals, Sons of Gwalia Ltd and Mt Burgess Limited, Verification and follow up planning underway

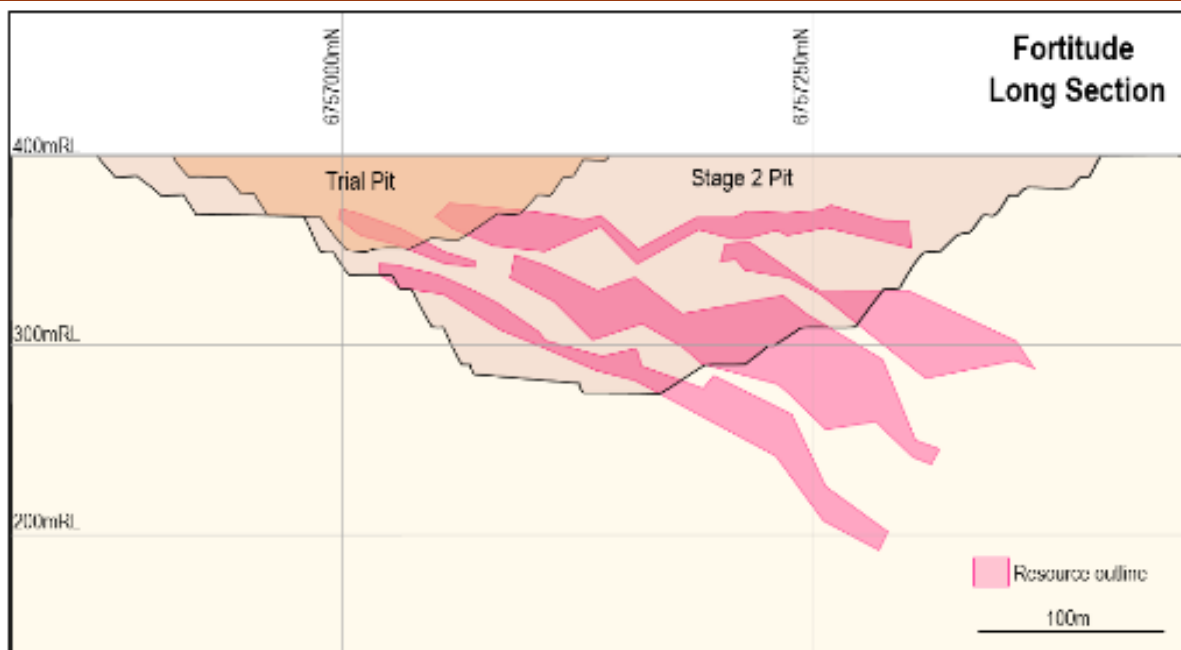
**Opportunities for new discoveries**



# FORTITUDE STAGE 2 GOLD MINE SET TO PROCEED

- Trial Mine result provides high confidence of gold resource and metallurgical recoveries
- Feasibility and re-optimisations of Stage 2 now being refined
- All mining permits and approvals in place allowing for immediate start
- Mine life has strong potential to grow from new optimisations
- Interest from nearby treatment plants increasing with options currently being discussed
- Potential for future underground mining to be assessed

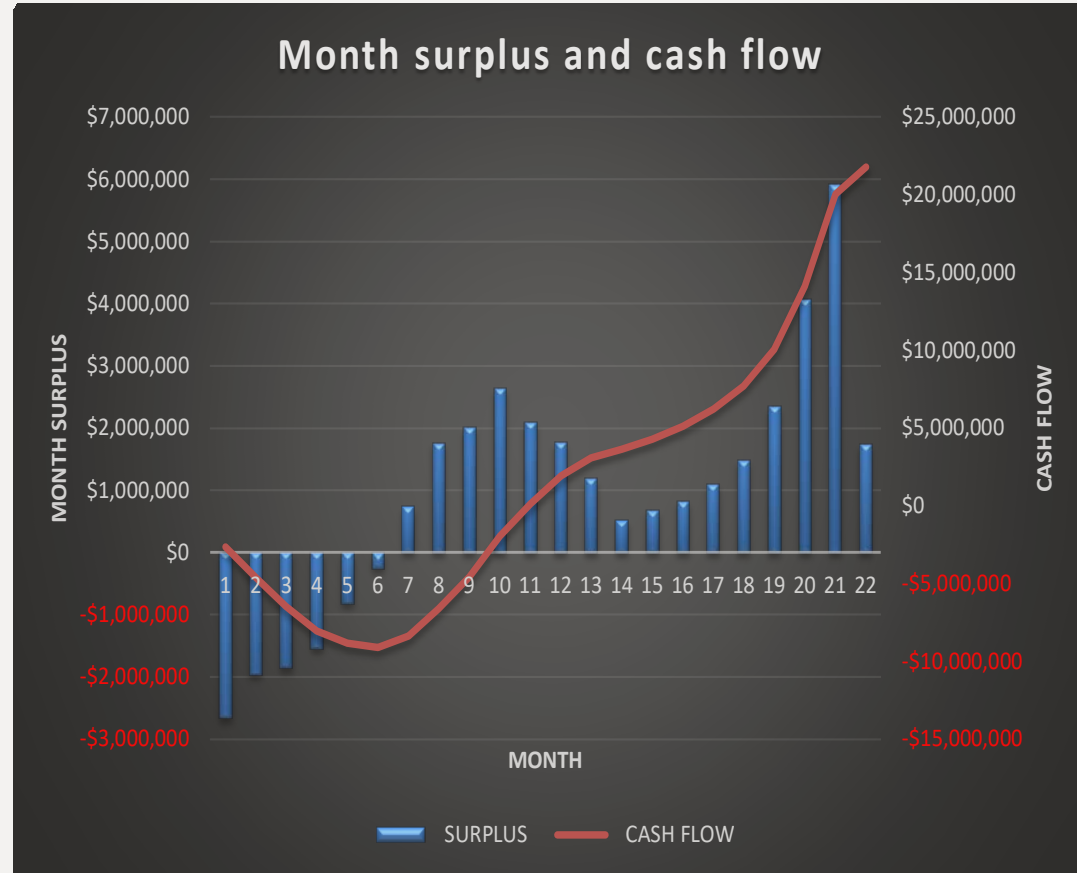
**Fortitude has all permits in place “ducks lining up nicely”**



# FORTITUDE STAGE 2 GOLD MINE MINE STUDIES

## Stage 2 Mine Study Results

- Total cash surplus **A\$21.8M**
- **22 months** open pit mine life
- Production of **54,400 oz** gold at 93% recovery
- Capital outlay **A\$6.6M** which includes pre-stripping
- Maximum cash exposure **A\$9.1M**
- Operating cash cost of **A\$1,628/oz** gold
- Assumed average gold price of **A\$2,150**
- Total material movement 5.85M bcm's at a waste to ore ratio of 14.4
- Further significant improvements to results expected from new optimisations



**Significant upside potential exists**

# FORTITUDE STAGE 2 GOLD MINE TIMELINE

## Mining Activities Time Line

- New Mine Manager appointed
- Dewatering of existing Pit - November
- Re-optimize mine pit design – November
- Ore treatment option - November
- Financing package - November
- Call for contractor tenders - November
- Expand professional team - November
- Negotiate gold hedge book - December
- Build mining office and mobilise equipment – January 2020
- Commence mining – February 2020

## Commencement of Ore Deliveries in May 2020

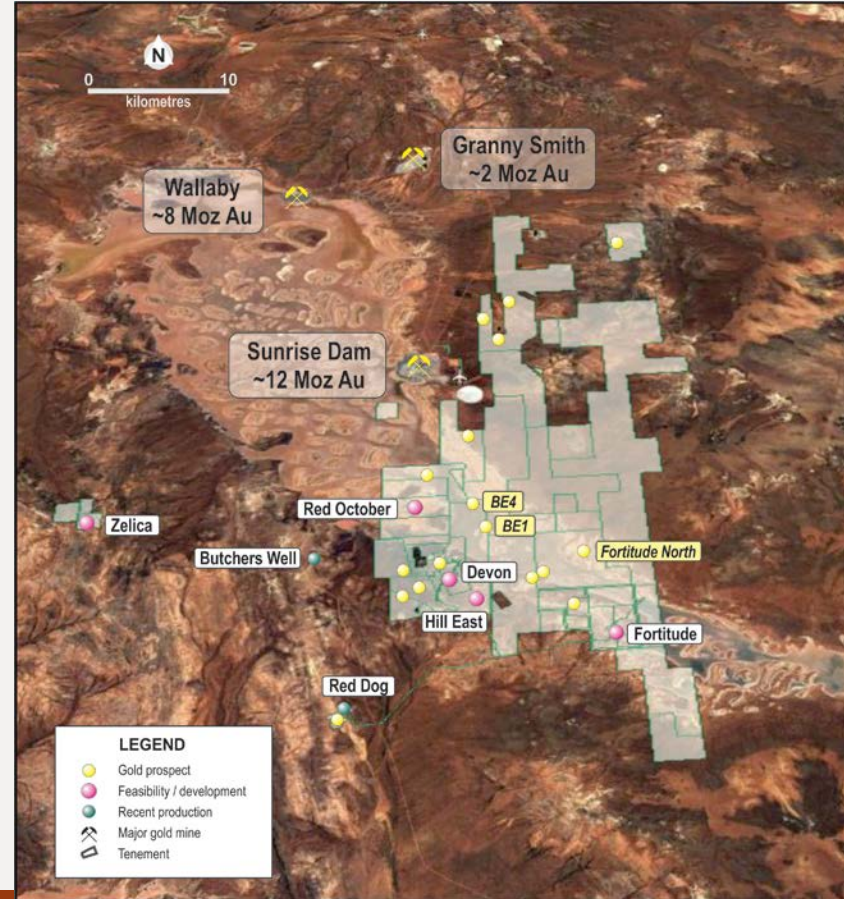


**Cashflow Positive – September 2020**

# LAKE CAREY - EXPLORATION UPSIDE

## 563km<sup>2</sup> highly prospective tenement package

- In the Laverton tectonic zone near world class gold mines
- Considerable scope for regional exploration success, with early drilling demonstrating opportunities
- Areas covered by salt lakes with little or no exploration now more accessible due to better equipment
- Favourable structural locations along major faults have been targeted
- Exploration since 2017 discovered new gold mineralisation including BE 1, BE 4 and Fortitude North
- RC and diamond drilling completed with primary gold mineralisation confirmed at Fortitude North



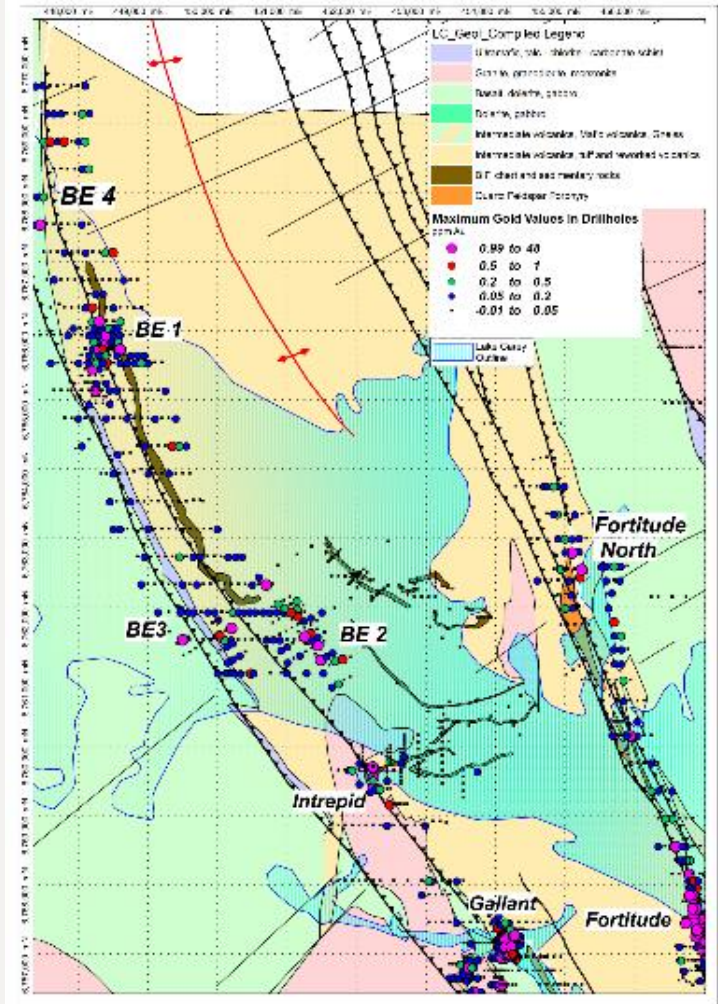
**Drilling programmes  
continuing throughout 20 19**

# LAKE CAREY - EXPLORATION UPSIDE

## New drilling throughout Lake Carey set to commence

- Previous Matsa drilling
  - 46,531m of aircore drilling,
  - 2,142m of RC drilling
  - 3,578m of diamond drilling since 2016
- Majority of the drilling has been on targets in and immediately adjacent to Lake Carey
- Recent discovery of new bedrock gold mineralisation at Fortitude North demonstrates strong potential
- Gold mineralised dacite porphyry discovered at BE 1 on the Bindah fault corridor
- Widespread anomalous gold values in altered dolerite at BE 2, BE 3 and BE 4

Exploration in underexplored areas will lead to new discoveries



## Previous Drilling results Fortitude North

Diamond intercepts include:

**8m @ 2.94 g/t Au**

*Inc* 5.75m @ 3.8 g/t Au

*Inc* 1.3m @ 6.73 g/t Au

Down-dip extension of previous high grade gold intercepts include

**5m @ 5.46 g/t Au**

**8m @ 5.14 g/t Au**

Aircore intercepts include

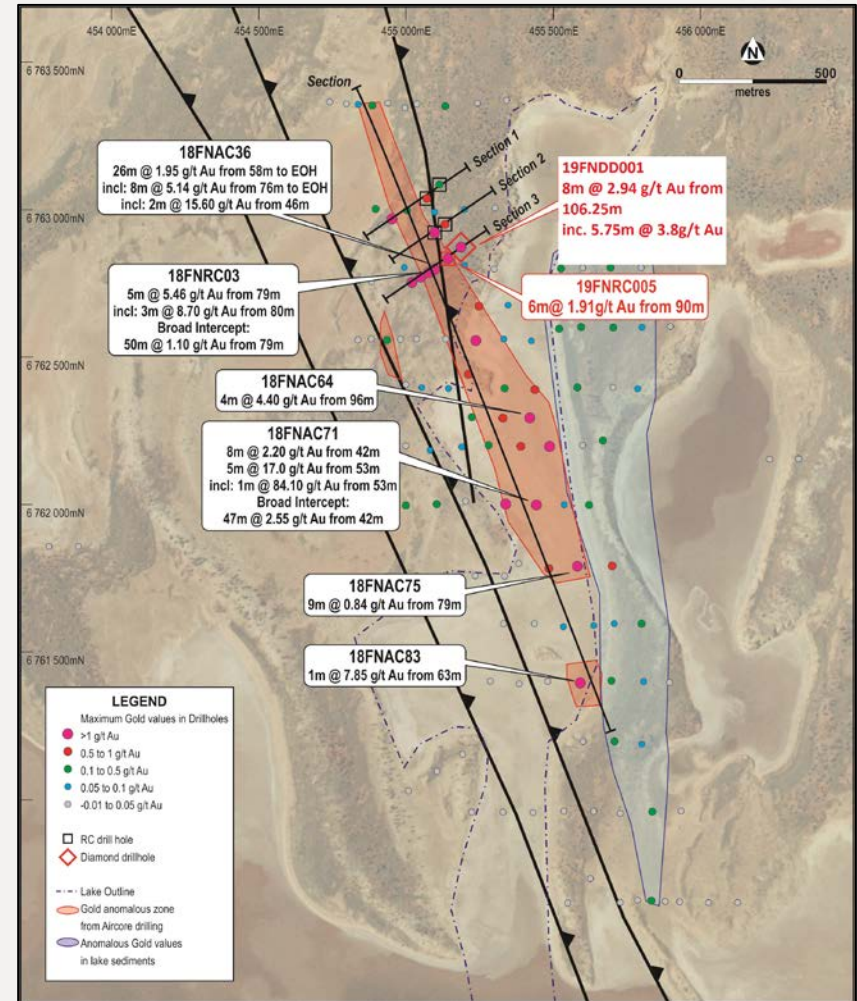
**47m @ 2.55 g/t Au**

*Inc* 5m @ 17.7 g/t Au

*Inc* 4m @ 4.43 g/t Au

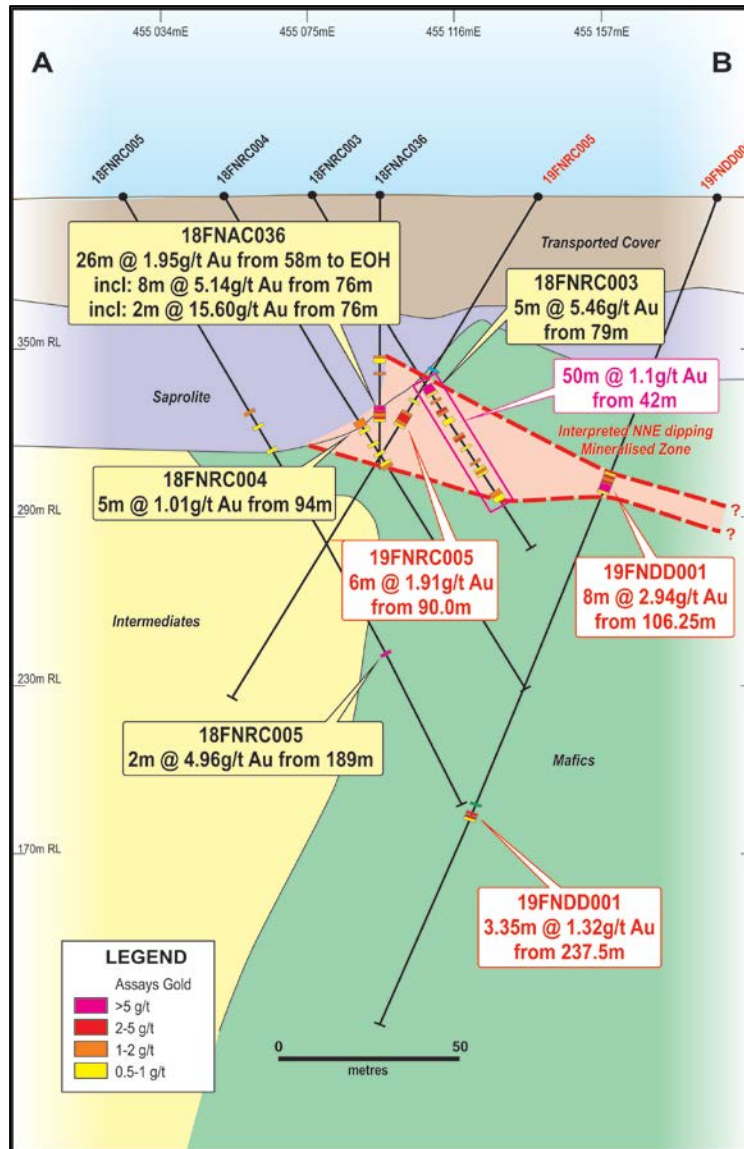
*Inc* 1m @ 8.28 g/t Au

Further diamond and RC drilling set to commence



**Gold mineralised zone open for 1.5km**

# LAKE CAREY- FORTITUDE NORTH





# WELL FUNDED AND FULL STEAM AHEAD

**A CLEAR AND COMMITTED GROWTH PLAN** from mining operations and extensive exploration tenement package

Process begun of **ENGAGING WITH BROKERS AND INSTITUTIONS** to increase market awareness to realise full shareholder value

**PORTFOLIO OF QUALITY GOLD TARGETS** with aggressive exploration program aimed at increasing gold resources and mine life

**MANAGEMENT HAS PROVEN HISTORY** of quality decisions and careful budgeting whilst responsive to market conditions

Success in Mining and Exploration will  
Deliver Shareholder Value



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