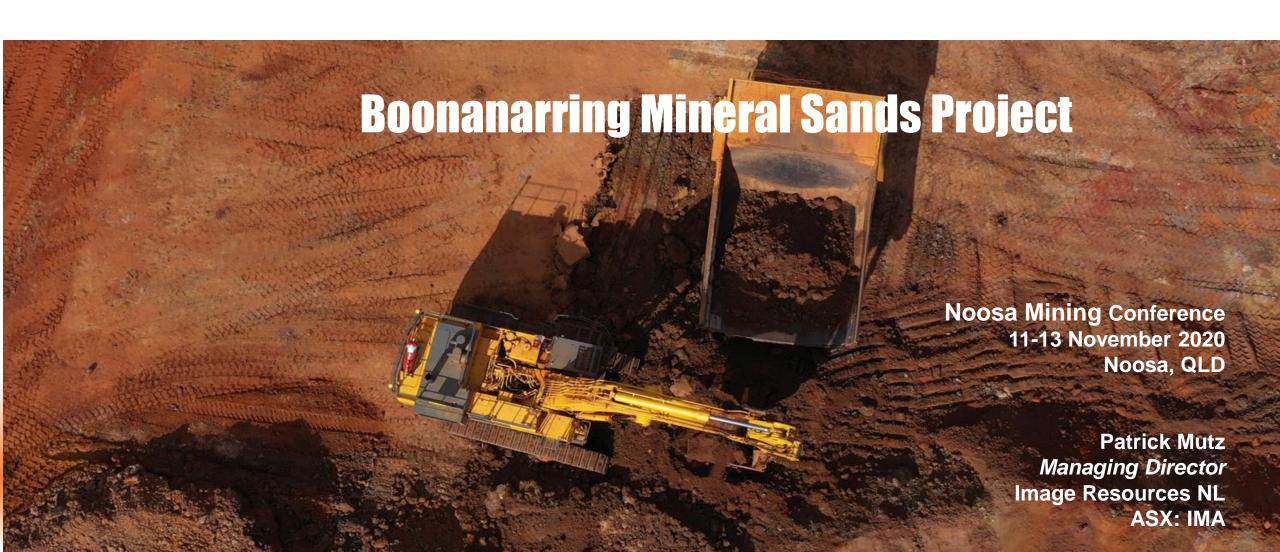


# Australia's newest mineral sands miner Emerging mid-tier prospect







# **Boonanarring Mineral Sands Project**

Video can be viewed at www.imageres.com.au

### **Disclaimer and Forward-looking Statements**



This presentation/document has been prepared by the management of Image Resources NL ("Image", "IMA", or "the Company"). By accessing this presentation you acknowledge that you have read and understood the following statements.

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This document has been prepared in accordance with the requirements of Australian securities laws, which may differ from the requirements of United States and other countries' securities laws. Unless otherwise indicated, all ore reserve and mineral resource estimates included or incorporated by reference in this document have been, and will be, prepared in accordance with the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves.

Information regarding the calculation of ore reserves and mineral resources in this presentation (if any), and the consents provided by the respective Competent Persons is presented at the end of this presentation. For additional information and details on the content of this presentation, please refer to the ASX releases on the Company's website.

## **Corporate Snapshot**



### Diverse and Experienced Board and Management

ASX Code

Share Price

12-Month Price Range

Shares on Issue

Market Cap

Debt

Cash on hand

**Enterprise Value** 

### **IMA**

A\$0.19\*

A\$0.12-0.30

980m

A\$186m\*

A\$50m\*\*

A\$28m\*\*

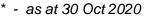
~A\$164m

### **Board of Directors**

Bob Besley – Independent Chairman
Patrick Mutz – Managing Director
Chaodian Chen - Non-Executive Director
Aaron Chong Veoy Soo – Non-Executive Dir
Peter Thomas – Non-Executive Director
Fei (Eddy) Wu – Non-Executive Director
Huangcheng Li – Non-Executive Director

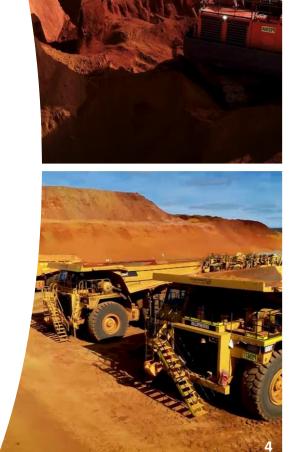


Patrick Mutz – MD & CEO
John McEvoy – Chief Financial Officer
Todd Colton – Chief Operating Officer
George Sakalidis – Head of Exploration
Rodney Burns – Operations Manager



<sup>\*\* -</sup> as at 30 Sep 2020





# **Image Resources – High Level Summary**



### **Boonanarring Project**

A uniquely rich and valuable mineral sands project

### **Social License**

Integrated into the local community with an environmentally friendly ethos

### **Operational Performance**

Demonstrating a solid track record of operational performance

### **Growth**

Exciting exploration upside and an enviable portfolio of development projects





### **Boonanarring Mineral Sands Project**



#### STRONG PROJECT FUNDAMENTALS

STRONG PROJECT DELIVERY

High Grade Ore

8.9% HM

Zircon Rich

27.5% of HM

**Construction Period** 

6 months

**Capital Cost** 

A\$52m

**Coarse Grained** 

D50 ~180μm

High Recoveries

98% of zircon

On Time

On Budget

High Quality HMC

90%+ HM

CY2019 Revenue

A\$146m

CY2019 EBITDA

**A\$73m** 

- Established, profitable mining company focused exclusively on mineral sands
- Excellent location: 80km north of Perth in Western Australia. Major players (Iluka and Tronox) operating nearby.
- Transitioned from advanced explorer to active mining company in December 2018 with strong project delivery





# **Boonanarring Project – Simple Business Model**







## Mining

Classic dry, open-cut mining utilising standard truck and shovel fleet.

# **Processing**

3.7Mtpa conventional wet concentrate plant to produce a high-quality HMC.

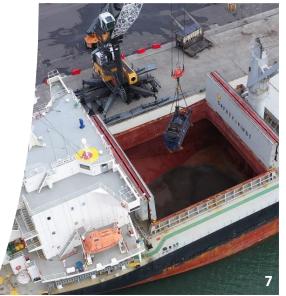
## Trucking

HMC trucked to Bunbury port.

# Shipping

Bulk shipments to China under life-of-mine off-take contracts based on market prices.





# Rehabilitation: Before Mining - April 2018





# Rehabilitation: During Mining – June 2019





# Rehabilitation: Backfilled - December 2019





# Rehabilitation: Work-In-Progress – August 2020





### **Solar Farm at Boonanarring**



# **Sunrise Energy Group Pty Ltd** constructing 2.3 MW<sub>AC</sub> solar farm

- Construction and operation by Sunrise Energy;
- Located on Image owned land adjacent to Boonanarring processing plant
- Recently commissioned and now providing up to 25% of electricity requirements for mining and processing operations.
- Solar farm places Image Resources as arguably most environmentally friendly mineral sands miner in Australia.



# Solar Farm at Boonanarring





## **Community Engagement Program**



- Image is proud of its active and varied community support and engagement program including significant local employment.
- At 30 Sep 2020 53% of the site workforce lives locally to the operation or within regional shires.
- Image Grand Opening was held on 19 September 2019 with 250 attendees.

























### **Mineral Sand Markets**

IMAGE RESOURCES

- Zircon approximately 80% of revenue
  - Mainly used in ceramics
  - Market softened as COVID-19 pandemic impacted downstream demand and international exports
- ➤ **TiO2** approximately 20% of revenue

Zircon Price

Mar-18

Source; FerroAlloy.net

- Mainly used in paint, paper and plastics
- Demand for titanium concentrate and ilmenite remains relatively strong

# Australia Iluka (Zr.Hf)O2≥66% —Australia Tronox(Zr.Hf)O2≥66% 1700 1500 1400 1200 1100

Mar-19

Sep-18

Dec-18

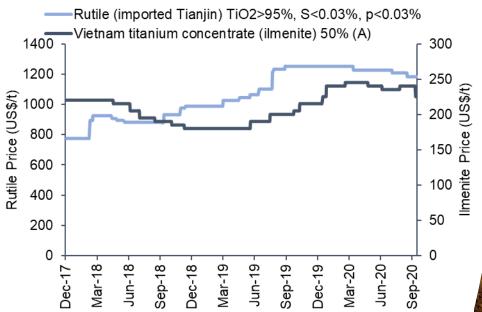
Sep-19

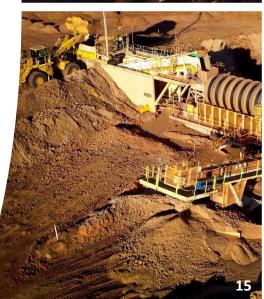
Dec-19

Mar-20

Sep-20

### **Rutile / Ilmenite Price**

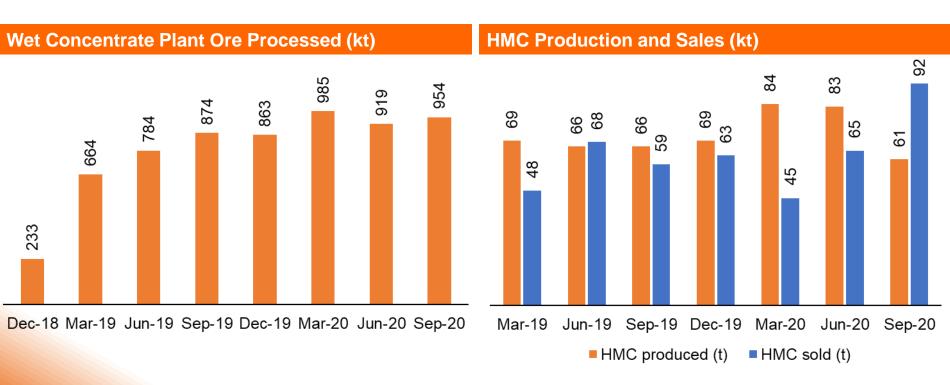




### **Operational Performance – Track Record**



- Project commissioned in Dec-18.
- Wet concentration plant operating above design capacity in 2020 following low cost capital improvements in 2020.
- > September Quarter 2020 tonnes processed only marginally below record setting March Quarter 2020
- Q3 HMC production lower primarily due to lower average ore grades.
- CY2020 sales and production guidance unchanged.





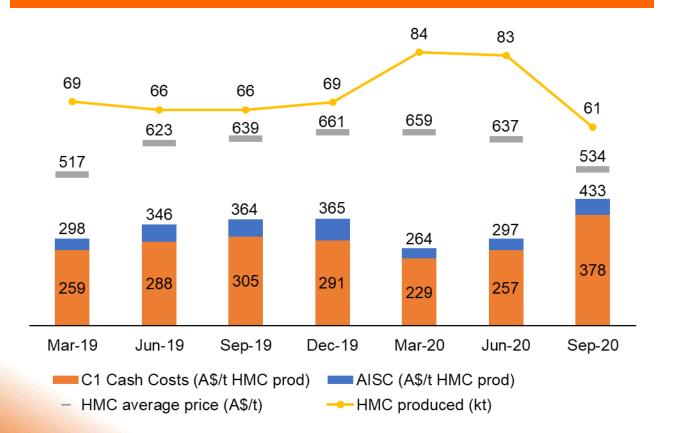


### **Operational Performance – Cost Control**



➤ Higher ore grade during H1 2020 supported higher HMC production and lower unit costs. Sep QTR 2020 saw lower ore grades (anticipated), lower HMC production and consequently higher costs. Sep QTR Lower average HMC price due to (temporary) lower zircon in HMC per off-taker request.

Unit Cash Costs (A\$/t HMC Produced), HMC Production (kt HMC), Average Realised Price (A\$/t HMC)







## **Operational Performance – Guidance & Forecasts**



Item	Units	2019 Results	2020 Sep YTD	2020 Guidance	2021 Forecast
HMC Produced	DMT 000s	270	228	300-330	300-330
HMC Sold*	DMT 000s	238	202	300-330	300-330
C1 Cash Costs per tonne HMC sold	A\$/DMT	327	316	290-320	260-290
AISC Cash Costs per tonne HMC sold	A\$/DMT	390	363	340-370	315-345
HMC Sales Receipts	A\$m	145	120	N/A	N/A
Payments to Suppliers / Other	A\$m	(79)	(64)	N/A	N/A
Net Operating Cashflows	A\$m	63	56	N/A	N/A

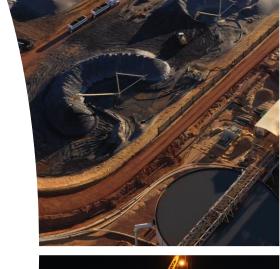


Image has made no change to 2020 guidance following the emergence of COVID-19 at the end of the March Quarter. Following the increasingly volatile economic landscape Image would like to emphasise there are a number of factors outside of its control that may impact downstream demand for its end products and therefore sales guidance. Image is continually reassessing its guidance position and will update the market if required and at a minimum will comment on guidance as part of its quarterly reporting.



### **Mine Life Summary**



# **Exploration Budget expanded with focus on increasing Ore Reserves and mine life**

- ➤ Mine-life from Dec 2019 Ore Reserve estimated at 6 years
- Ore Reserves at Boonanarring expandable
  - Drill results indicate potential extension of the deposit to south, north and west
  - Project 'MORE' formalised to focus on adding new Ore Reserves within economic pumping or hauling distance from current processing plant
  - Project 'MORE' goal to add 2 more years of Ore Reserves by end of Dec 2020
- > Ore Reserves in Atlas area have potential to double
  - Existing Mineral Resources at 100%-owned Helene and Hyperion deposits deemed to be within economic pumping distance of Atlas





### **Multiple Extension Areas at Boonanarring**



Initially focused on areas within 10km of current location of Boonanarring Wet Concentration Plant (WCP)

### Northern Extension Area (NEA)

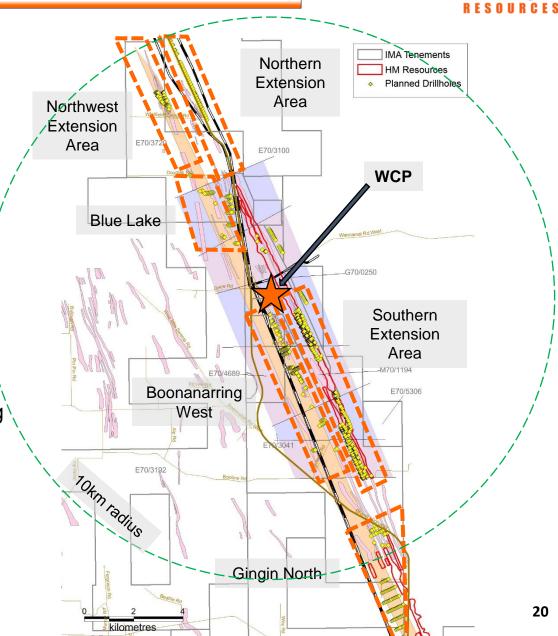
- Previously reported; 2017
- High grades, high zircon
- Infrastructure and access challenges

### Southern Extension Area

- Access available; within current environmental footprint
- Lower grades than NEA implies lower potential to add mine life

### New 50mRL Strandline

- Announced December 2019
- Includes Northwest Extension Area, Blue Lake, Boonanarring West and Gingin North and South
- Potential of up to 40km of parallel beach strandline west of Boonanarring deposit



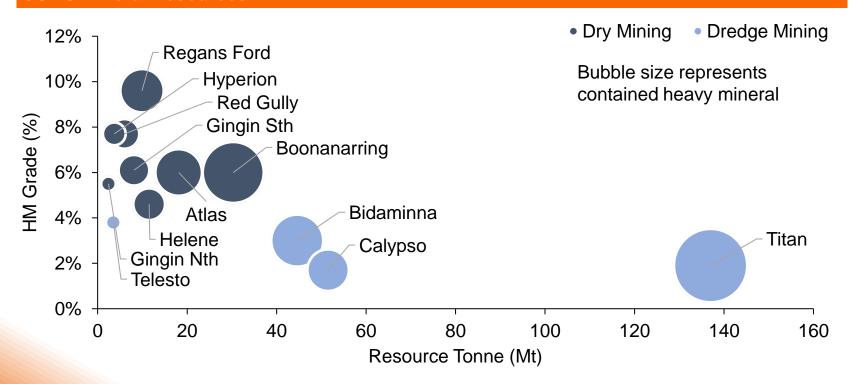
### **Growth – Our Portfolio**



### **Established resources in the North Perth Basin**

- > Dry Mining Mineral Resources of 93Mt; 6.3% HM and 17% Zircon+Rutile in the HM
- > Dredge Mining Mineral Resources of 236Mt; 2.1% HM and 11.5% Zircon+Rutile in the HM

### **JORC Mineral Resources**



Notes: Boonanarring, Atlas, Helene, Hyperion, Titan-Telesto and Calypso per JORC Code (2012). All others per JORC Code (2004) and have not been updated to comply with JORC Code 2012 on the basis that the information has not materially changed since it was last reported.





## **Projects Pyramid – Strand Deposits – Dry Mining**

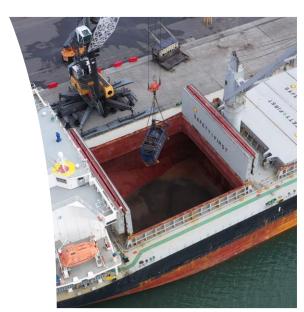


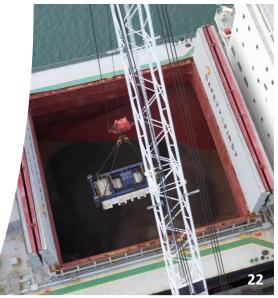
## Mineral Resources – Accessible by Dry Open-Cut Mining Projects ranked by combined zircon plus rutile (Z+R) contained in the HM

Tonnes and grades are for Mineral Resources;

Boonanarring, Atlas, Helene & Hyperion per JORC Code (2012): All others historic per JORC Code (2004). **Launched into production** with existing Ore Reserves Potertial Volume dio Inc? starting at Boonanarring. **Boonanarring** Atlas to be mined following 30.3Mt; 6.0%HM; exhaustion of existing and 23.1% Z+R any new Ore Reserves at Boonanarring. Atlas 18.1Mt; 6.0%HM; 15.8% Z+R Red Gully 6.0Mt; 7.7% HM; 15.5% Z+R Likely future WCP location Regans Ford 9.9Mt; 9.6%HM; 14.3% Z+R Helene/Hyperion 18.2Mt; 4.8%HM; 14.0% Z+R Gingin South 8.1Mt; 6.1%HM; 13.5% Z+R Gingin North 2.4Mt; 5.5%HM; 9.1% Z+R

Total 93Mt; 6.3%HM; 17% Z+R

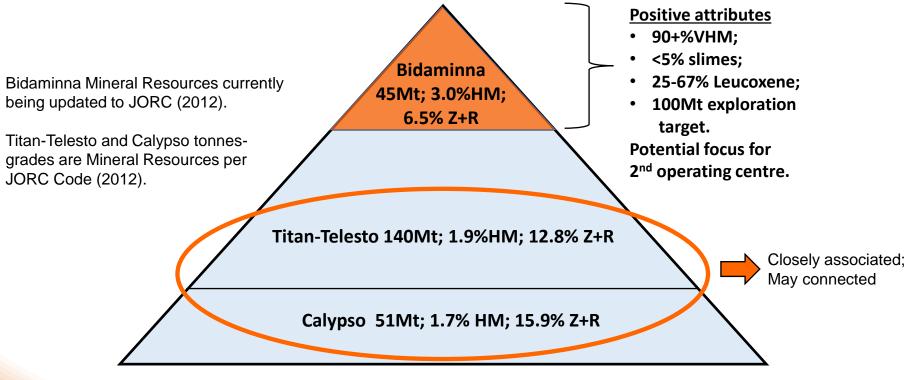


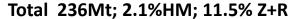


### **Projects Pyramid – Dredge Mining Prospects**



Mineral Resources – Accessible by Dredge Mining
Projects ranked by HM Grade and include combined zircon
plus rutile (Z+R) contained in the HM







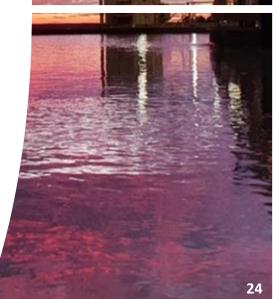
### **Forward Looking Plans**



### **Summary**

- Continue with profitable operations at Boonanarring; CY2020-2021 expected to be stronger than calendar year 2019
- ➤ Increase Ore Reserves under Project 'MORE' at Boonanarring
- Ensure Atlas development / construction ready as next dry mining operation post Boonanarring
- Continue to look to diversify geographical HMC sales base and evaluate value-add options for separation of HMC in Australia
- > Advance studies for potential second operating centre
- Consider timing for retirement of debt given strong cash build
- Advance consideration of inaugural dividend payment
- Evaluate opportunities outside of current portfolio





### For further information





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www.imageres.com.au



# Ore Reserves – Updated Dec 2019



### **HIGH-QUALITY ORE RESERVES**

- > Very High HM ore grade; exceptionally high zircon grade at Boonanarring
- > Atlas to be mined in series following Boonanarring

Project/Deposit	Category	Tonnes	% HM	% Slimes	<b>HM Tonnes</b>	VHM	Ilmenite	Leucoxene	Rutile	Zircon
		(million)			(million)	(%)	(%)	(%)	(%)	(%)
Boonanarring	Proved	3.5	13.9	16.0	0.5	82.7	44	4.6	2.2	31.9
Boonanarring	Probable	7.1	6.4	16.0	0.5	76.6	49	1.7	2.8	23.1
Total Boonanarring		10.7	8.9	16.0	0.9	79.6	46	3.2	2.5	27.5
Atlas	Probable	9.5	8.1	15.5	0.8	73.3	50.7	4.5	7.5	10.6
Total Atlas		9.5	8.1	15.5	0.8	73.3	50.7	4.5	7.5	10.6
Total Ore Reserves		20.2	8.5	15.8	1.7	76.8	48.3	3.8	4.7	19.9

### **Mineral Resources**



Project/Deposit	Category	Tonnes	% HM	% Slimes	<b>HM Tonnes</b>	VHM	Ilmenite	Leucoxene	Rutile	Zircon
		(million)			(million)	(%)	(%)	(%)	(%)	(%)
Boonanarring	Measured	8.8	10.3	14	0.9	78.1	46	3.8	2.3	26.0
Boonanarring	Indicated	14.6	4.6	17	0.7	71.2	48	2.6	2.7	17.9
Boonanarring	Inferred	6.9	3.5	20	0.2	59.4	45	4.9	3.9	5.6
Boonanarring Total		30.3	6.0	17.0	1.8	72.7	46	3.6	2.7	20.4
Atlas	Measured	9.9	7.9	16.1	0.8	71.0	49.1	4.2	7.2	10.5
Atlas	Indicated	6.4	3.7	17.3	0.2	56.5	41.6	3.4	4.7	6.8
Atlas	Inferred	1.8	4.0	19.9	0.1	41.5	29.0	3.3	4.4	4.8
Atlas Total		18.1	6.0	16.9	1.1	65.9	46.1	4.0	6.5	9.3
Sub-Total Atlas/Boor	48.4	6.0	17.0	2.9	70.1	46.1	3.7	4.1	16.2	

Mineral Resources - Strand Deposits; in accordance with JORC Code (2012) @ 2.0% HM Cut-off												
Project/Deposit	Category	Volume	Tonnes	% HM	% Slimes	<b>HM Tonnes</b>	VHM	Ilmenite	Leucoxene	Rutile	Zircon	
		(million)	(million)			(million)	(%)	(%)	(%)	(%)	(%)	
Helene	Indicated	6.4	13.2	4.3	18.6	0.57	88.7	74.6	0.0	3.6	10.5	
Hyperion	Indicated	2.4	5.0	6.3	19.0	0.32	69.4	55.8	0.0	6.3	7.3	
Sub-Total Cooljarloo N	8.8	18.2	4.8	18.7	0.88	81.8	67.9	0.0	4.6	9.4		

Mineral Resources - Strand Deposits; in accordance with JORC Code (2004) @ 2.5% HM Cut-off												
Project/Deposit	Category	Volume	Tonnes	% HM	% Slimes	<b>HM Tonnes</b>	VHM	Ilmenite	Leucoxene	Rutile	Zircon	
		(million)	(million)			(million)	(%)	(%)	(%)	(%)	(%)	
Gingin Nth	Indicated	0.7	1.3	5.7	15.71	0.08	75.4	57.4	9.3	3.2	5.5	
Gingin Nth	Inferred	0.6	1.1	5.2	14.0	0.06	78.4	57.3	11.3	3.7	6.0	
Gingin Nth Total		1.3	2.4	5.5	15.0	0.13	76.7	57.3	10.2	3.4	5.7	
Gingin Sth	Measured	0.9	1.5	4.4	7.22	0.07	79.4	50.7	15.3	5.6	7.8	
Gingin Sth	Indicated	3.2	5.8	6.5	7.1	0.38	90.6	67.6	9.8	5.1	8.1	
Gingin Sth	Inferred	0.4	0.7	6.5	8.4	0.05	91.6	67.4	7.5	5.8	10.9	
Gingin Sth Total		4.5	8.1	6.1	7.3	0.49	89.2	65.3	10.3	5.2	8.3	
Red Gully	Indicated	1.9	3.4	7.8	11.5	0.3	89.7	66.0	8.3	3.1	12.4	
Red Gully	Inferred	1.5	2.6	7.5	10.7	0.2	89.0	65.4	8.2	3.0	12.3	
Red Gully Total	_	3.4	6.0	7.7	11.2	0.5	89.4	65.7	8.2	3.1	12.4	
Sub-Total Gingin & Re	ed Gully	9.2	16.5	6.6	9.8	1.08	87.8	64.5	9.4	4.1	9.7	

Mineral Resources -	Mineral Resources - Strand deposit; in accordance with JORC Code (2004) @ 2.5% HM Cut-off													
Project/Deposit	Category	Volume	Tonnes	% HM	% Slimes	HM Tonnes	VHM	Ilmenite	Leucoxene	Rutile	Zircon			
		(million)	(million)			(million)	(%)	(%)	(%)	(%)	(%)			
Regans Ford	Indicated	4.5	9.0	9.9	16.8	0.89	94.3	70.0	10.0	4.3	10.0			
Regans Ford	Inferred	0.5	0.9	6.5	18.5	0.06	90.5	68.3	7.7	4.4	10.1			
Sub-Total Regans Ford	d Total	5.0	9.9	9.6	17.0	0.95	94.1	69.9	9.9	4.3	10.0			
<b>Grand Totals</b>		22.9	93.0	6.3		5.8	79.1	56.7	5.2	4.2	13.0			

Mineral Resources - Dredge deposits; in accordance with JORC Code (2012) @ 1.0% HM Cut-off												
Project/Deposit	Category	Volume	Tonnes	% HM	% Slimes	<b>HM Tonnes</b>	VHM	Ilmenite	Leucoxene	Rutile	Zircon	
		(million)	(million)			(million)	(%)	(%)	(%)	(%)	(%)	
Titan	Indicated	10.3	21.2	1.8	22.07	0.38	86.0	71.9	1.5	3.1	9.5	
Titan	Inferred	58.5	115.4	1.9	18.9	2.21	85.9	71.8	1.5	3.1	9.5	
Total Titan	Total	68.8	136.6	1.9	19.4	2.58	85.9	71.8	1.5	3.1	9.5	
Telesto	Indicated	1.7	3.5	3.8	18.41633	0.13	83.3	67.5	0.7	5.6	9.5	
Calypso	Inferred	27.1	51.5	1.7	13.7	0.85	85.6	68.1	1.6	5.1	10.8	
Mineral Resources -	Dredge de	oosits; in acc	ordance witl	h JORC (	ode (2004	l) @ 1.0% HI	VI Cut-c	off				
Project/Deposit	Category	Volume	Tonnes	% HM	% Slimes	<b>HM Tonnes</b>	VHM	Ilmenite	Leucoxene	Rutile	Zircon	
		(million)	(million)			(million)	(%)	(%)	(%)	(%)	(%)	
Bidaminna	Inferred	26.3	44.6	3.0	3.6	1.34	96.8	83.1	7.2	1.0	5.5	
Total Dredge		123.9	236.2	2.1	15.2	4.91	87.8	73.1	2.6	3.2	9.0	

This presentation includes information that relates to Ore Reserves and Mineral Resources which were prepared and first disclosed under JORC Code 2012. The information was extracted from the Company's previous ASX announcements as follows:

• Boonanarring Mineral Resources and Ore Reserves: 20 December 2019

Atlas Ore Reserves: 30 May 2017
Atlas Mineral Resources: 8 May 2017
Helene Mineral Resources: 31 Oct 2019
Hyperion Mineral Resources: 31 Oct 2019
Titan Mineral Resources: 31 Oct 2019

Telesto South Mineral Resources: 31 Oct 2019
 Calypso Mineral Resources: 31 Oct 2019

The Company confirms that, other than mining depletion, it is not aware of any new information or data that materially affects the information included in the original market announcements and, in the case of reporting of Ore Reserves and Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed. The Company confirms that the form and context in which any Competent Person's findings are presented have not been materially modified from the original market announcement.

This presentation includes information that relates to Ore Reserves and Mineral Resources for non-material mining projects of the Company which were prepared and first disclosed under JORC Code 2004. The information was extracted from the Company's previous ASX announcements as follows:

Gingin North Mineral Resources: 31 Mar 2011

Gingin South Mineral Resources: 21 Jul 2011
 Red Gully Mineral Resources: 9 Mar 2011

Red Gully Mineral Resources: 9 Mar 2011
 Bidaminna Mineral Resources: 23 Jun 2008

The Company confirms it is not aware of any new information or data that materially affects the information included in the original market announcements and, in the case of reporting of Ore Reserves and Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed. The Company confirms that the form and context in which any Competent Person's findings are presented have not been materially modified from the original market announcement. This information was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported