

#### ASX : MGV

# 30 MAY 2018 RESOURCES RISING STARS GOLD COAST

# GOLD ON CUE

Rob Waugh Managing Director

### FORWARD LOOKING STATEMENTS



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## TARGETING MAJOR HIGH-GRADE SYSTEM AND NEAR TERM PRODUCTION

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- Major new cornerstone investor
  - Westgold
- Cue Project: Big system >20km of shear zone
- Multiple high grade discoveries:
  - 11m @ 54g/t Au
  - 21m @ 21.5g/t Au
- >440koz and growing JORC resource.
- Five third-party mills nearby with capacity for high-grade feed
- Analogous setting to Great Fingall (~2Moz Au @ 10g/t), 30 km North
- 100% owned granted Mining Lease
- Multiple targets being tested now Year round access.
- Funded and drilling now.



### **CORPORATE OVERVIEW**



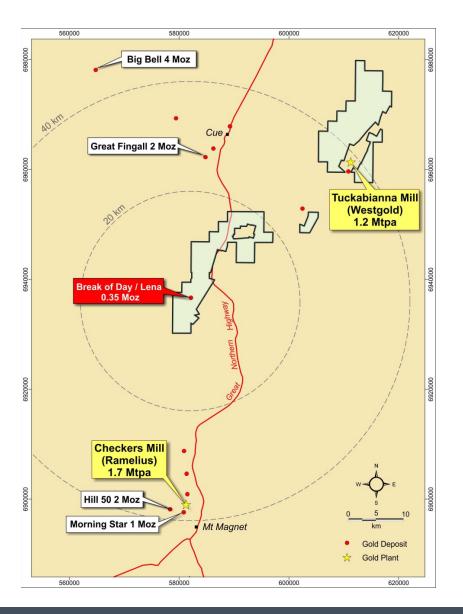
MGV
327M
\$0.064
\$5.5M
Nil
~\$21M
~\$16M
~25M shares

- Drilling underway on 10 new targets
- Valuation underpinned by existing 440k oz JORC resource
- Low current EV ~A\$35/resource oz considering:
  - Nearby infrastructure and mills
  - Multiple production possibilities
  - High Prospectivity: 20km shear zone
- Re-rate possible as production nears Average Ev per oz ~A\$100 for producers



#### **EXCELLENT LOCATION – PROLIFIC GOLD BELT**

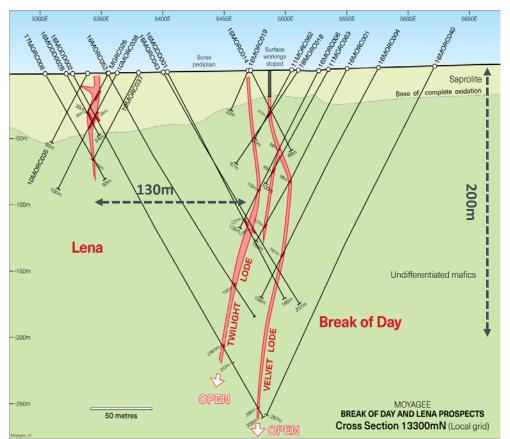




- Excellent infrastructure:
  - Multiple operating gold mills in district
  - Two within 40km
  - WGX new major shareholder
- Low sovereign risk
- Prolific gold district 20Moz historical gold production
- Multiple million plus oz resources in district
- >20km strike within major gold system
- New high-grade discovery
  - Break of Day
- Multiple new targets being drill tested now
- Results to follow ~ May-July

# BREAK OF DAY NEAR SURFACE HIGH-GRADE GOLD DISCOVERY

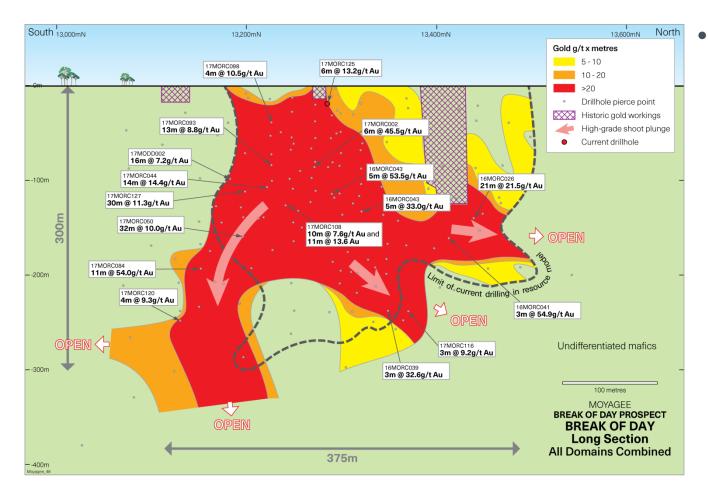




- JORC Resource:
  - 868kt @ 7.15g/t Au for 199koz Au (56% indicated)
- ~800m of combined strike of highgrade shoots
- Open in multiple directions
- Resource drilling only to ~250m
- Amenable to open pit and underground mining
- MGV drilling results:
  - 11m @ 54.0g/t Au from 217mdh
  - 21m @ 21.5g/t Au from 157mdh
  - 14m @ 14.4g/t Au from 111mdh
  - 30m @ 11.3g/t Au from 120mdh
  - 32m @ 10.0g/t Au from 170mdh

#### BREAK OF DAY – NEAR SURFACE RESOURCE COMBINED – LONG SECTION





- Recent MGV drilling results from outside current resource demonstrate growth potential:
  - 11m @ 54.0g/t Au from 217mdh
  - 9m @ 4.8g/t Au from 206mdh
  - 4m @ 9.3g/t Au from 288mdh
  - 3m @ 9.2g/t Au from 278mdh
  - 4m @ 4.6g/t Au from 327mdh

# LENA NEAR SURFACE GOLD & OPEN-CUT POTENTIAL



North

-400m

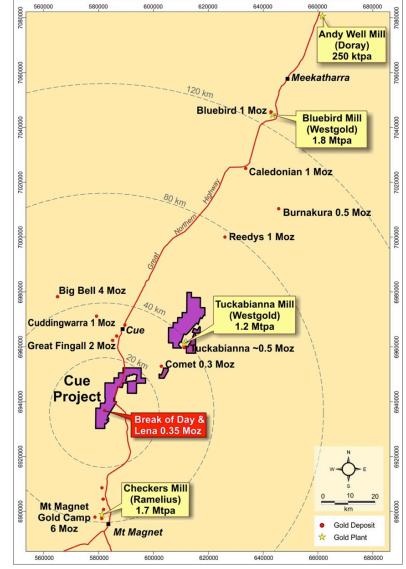
-600m-

- 2.682Mt @ 1.77g/t
  Au for 153koz Au
  (46% indicated)
- Intercepts:
  - 3m @ 46.8g/t Au
  - 4m @ 19.6g/t Au
  - 2m @ 17.3g/t Au
  - 2m @ 12.4g/t Au
  - 13m @ 9.7g/t Au
- Near surface gold in multiple lodes over 1.6km strike
- 13.000mN 13.600mN 14.000mN 12,800mN 13.800mN 13,200mN 13,400mN South 200m Limit of current drilling -200m Projected outline of Break of Day deposit Undifferentiated mafics 900m -- 400m Gold g/t x metres 5 - 10 10-20 >20 MOYAGEE - BREAK OF DAY PROSPECT **LENA DEPOSIT - Long Section** Drill hole pierce point 200 metres All Domains Combined -600m
- Open in multiple directions
- Only shallowly drill tested to ~200 vertical metres
- 150m from Break of Day

# Surrounded by significant gold producers (Westgold & Ramelius) Westgold's Tuckabianna mill refurb complete

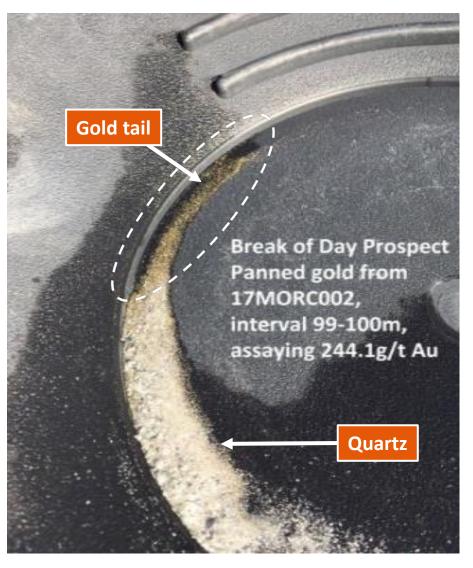
- Westgold's Tuckabianna mill refurb completed for gold processing – only 40km away
- Westgold developing Big Bell underground (3.7g/t Au), and have mill capacity now
- Ramelius trucking ore 300km @ ~7.5 g/t Au : 2-3 years remaining at Vivien
- Break of Day is 40km away @ 7.1 g/t Au
- Strategic and Corporate Appeal
- Multiple potential processing options:
  - Or low capex Toll treatment, Profit sharing, Ore sale (WGX – new major shareholder
  - Stand alone (resource growth)







### EXCEPTIONAL GRAVITY GOLD RECOVERY BREAK OF DAY & LENA



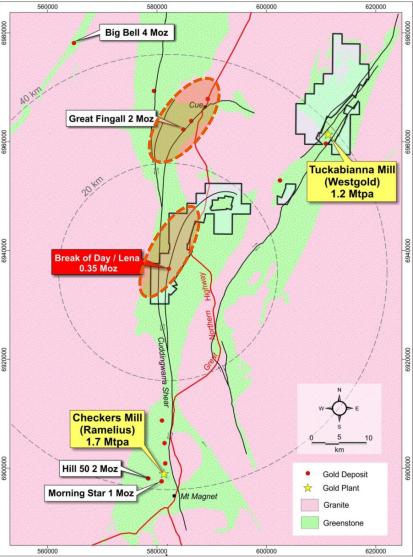
- Exceptional gold recoveries achieved from metallurgical test work at Break of Day and Lena:
  - Total 96-97% recoverable gold from conventional gravity and cyanide leach processing
  - Very high gravity recoveries (73-84%) fresh rock
  - Very high in comparison to typical Yilgarn gold ores
  - 34%-55% gravity recovery from oxide and transitional material at Lena
- Suggests low reagent use and reduced processing costs
- No deleterious elements

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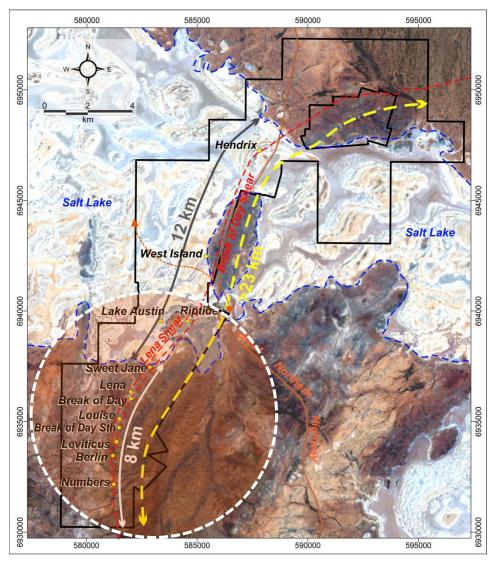
## CUE PROJECT COMPARISON TO GREAT FINGALL



Criteria	Great Fingall Deposit 2Moz @ ~10g/t Au		Break of Day Shear	000000
Metamorphism	Greenschist	<b>√</b>	Greenschist	
Primary structure	2 <sup>nd</sup> Order Splay	<b>√</b>	2 <sup>nd</sup> Order Splay	RORMON
Secondary structure	Flexure	<b>~</b>	Flexure	
Host sequence	Tholeiitic and high Mg basalts	~	Tholeiitic and high Mg basalts	6940000
Host rock	Granophyric dolerite and gabbro	<b>~</b>	Basalt & granophyric dolerite/porphyry on lake targets	00000
Alteration	Carb, chl, musc, biot, alb, py, po	<b>√</b>	Carb, chl, musc, biot, alb, py	600000
Quartz lode	Massive, laminated and stringer quartz	<b>√</b>	Massive, laminated and stringer quartz	



### **BIG GOLD SYSTEM +20KM LONG** GRADE + SCALE POTENTIAL



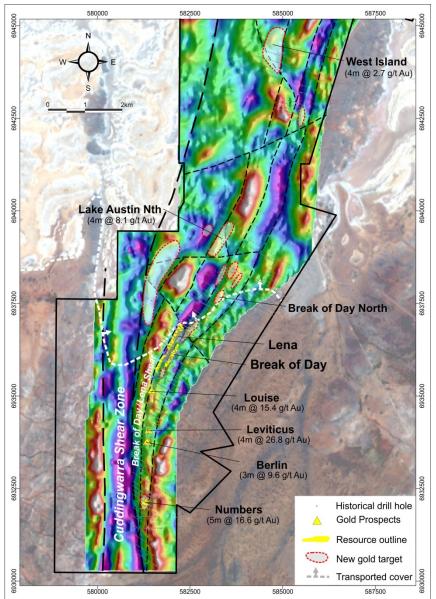
- Growing gold resource base on granted mining leases
- Gold Deposits new and extensional with large upside:
  - Break of Day, Lena, Numbers
  - New Targets
- Potential to triple current resource
- Close to infrastructure and existing gold operations (only 40km away)
- MGV 100% of key tenure
- >20km of prospective shear zone:
  - Only ~10% drill tested



## **NEW GOLD TARGETS – DRILLING UNDERWAY**



- Recent Gravity survey defined ten new high priority gold targets under shallow dune and lake cover
- Gold intersected at seven of the targets in historical aircore drilling, including:
  - 4m @ 8.1g/t Au Lake Austin North
    - 1km long gold anomaly
  - 4m @ 2.7g/t Au West Island
- No basement drilling
- Parallel shear zone interpreted 600m west of the Break of Day/Lena shear under shallow cover and never been drill tested

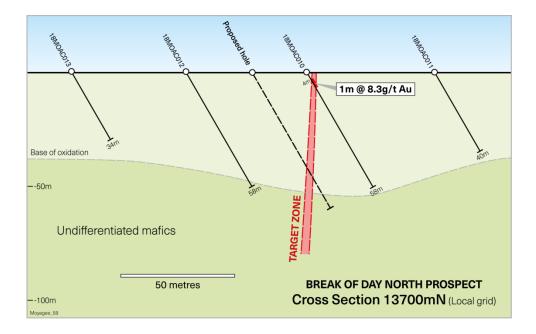


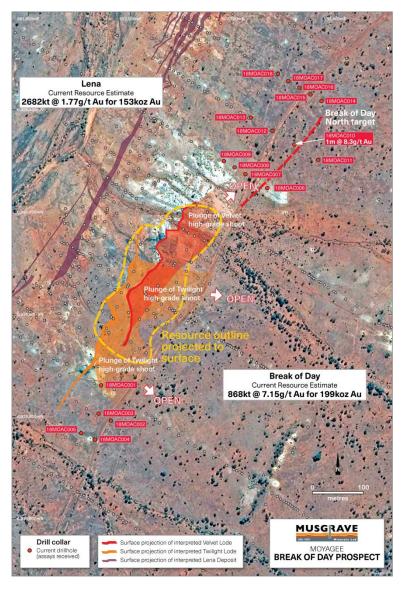
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#### **NEW GOLD TARGETS – BREAK OF DAY NORTH**



- New intercept
  - 1m @ 8.3g/t Au (only 4m depth)
- Opens up new zone -~300m of potential strike
- Possible fault or jog offset
- Only 200m north of Break of Day resource
- Further drilling underway

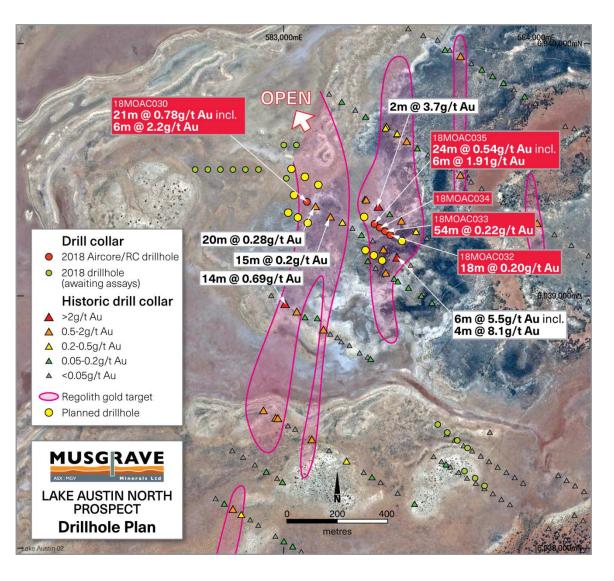




### **NEW GOLD TARGETS – LAKE AUSTIN NORTH**



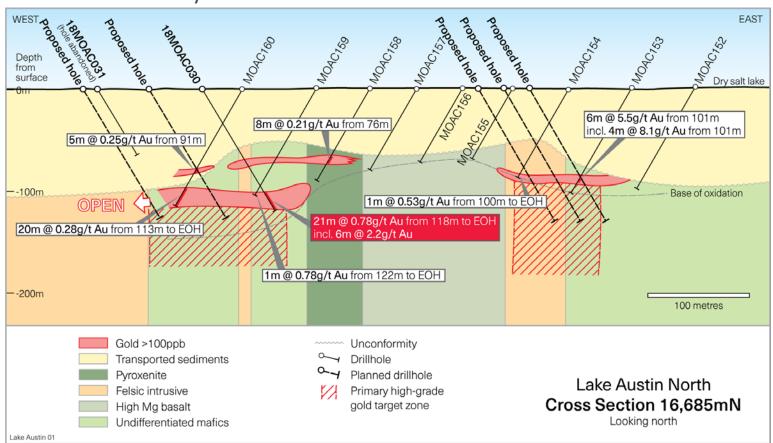
- Two large regional regolith gold anomalies under transported lake cover
- Gold targets >1km in strike and > 200m wide
- Western target open along strike to north
- Large gold halos have potential to reflect large primary gold system beneath
- Excellent geological position on felsic intrusive contact
- Drilling ongoing



### NEW TARGETS UNDER SALT LAKE LAKE AUSTIN NORTH



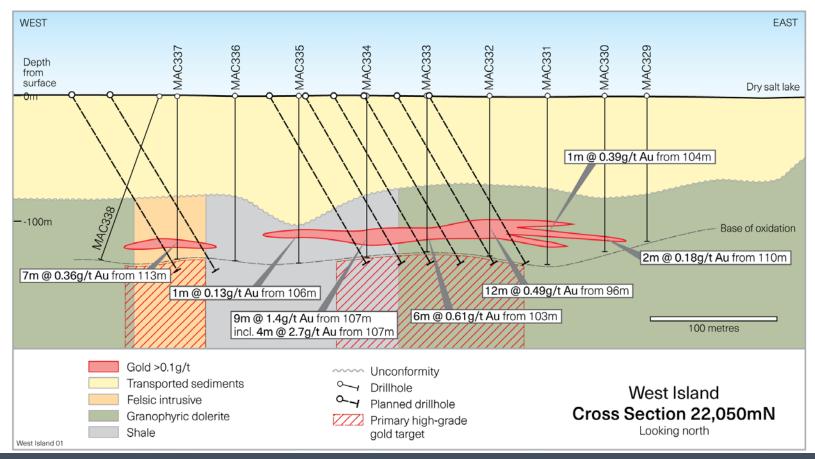
- Strong gold anomalous halo >1km long in broad spaced historical aircore drilling
- 4m @ 8.1g/t Au in weathered Archaean regolith with no basement follow-up
- Two thick strong, extensive gold halos drilling for high-grade source in fresh rock
- 3km north of Break of Day



### NEW TARGETS UNDER SALT LAKE WEST ISLAND



- Strong gold anomaly >500m long in broad spaced historical aircore drilling
- 9m @ 1.4g/t Au, including 4m @ 2.7g/t Au within in weathered Archaean regolith with no basement follow-up
- Close the dolerite/sediment contact, 8km north of Break of Day



#### **SCHEDULED WORK PLAN**



Cue Gold Project	Q2 2018	Q3 2018
Soil Geochemical Surveys (New targets)	•	•
Regional Structural Study	•	
Aircore Drilling (New Targets)	•	
RC Drilling (New Targets)	•	•
Development Studies	•	•



#### RESOURCES + GRADE + MET WORK + INFRASTRUCTURE + UPSIDE



- Total Mineral Resources >440koz Au and growing
- Consistent high-grade gold results
- Potential to make more significant gold discoveries with +20km of shear zone – multiple new big system targets
- Activity and news flow:
  - Drilling through to June 2018
- Currently well funded
- Multiple processing options: Five mills within trucking distance: WGX – major new shareholder
- High grade + Infrastructure + Gold from surface + Excellent met work + Granted Mining Lease + Exploration upside = Right ingredients for highly profitable near term gold development

#### **BOARD & MANAGEMENT**













**Graham Ascough** BSc, MAusIMM, Pgeo

Chairman

z, MAusIMM, Pgeo Non-Executive **Robert Waugh** MSc, BSc, FAusIMM, MAIG



Non-Executive Director John Percival

Non-Executive Director

Successful geoscientist with >25 years exploration and corporate experience (Ex Falconbridge). Geologist with >25 years of exploration experience (Ex WMC & BHP). Strong discovery track record. Accountant and Chartered Secretary with over 25 years experience in the mining industry.





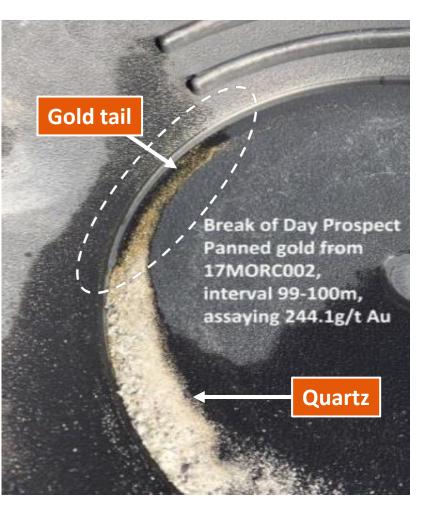
### **THANK YOU**







interval 238.9m, assaying 1.1m @ 63.1g/t Au



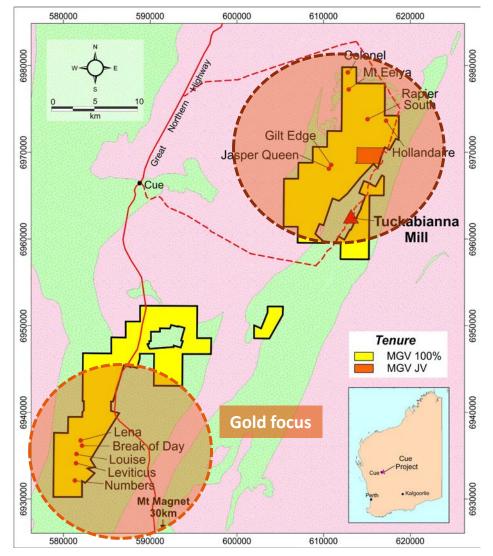
### **GOLD RESOURCES**



#### Mineral Resources (Indicated and Inferred)

Southern Area*	Tonnes (000's)	Au (g/t)	Oz Au
Break of Day	868t	7.15	199,000
Lena	2,682	1.77	153,000
Leviticus	42	6.0	8,000
Numbers	278	2.45	22,000
Total	3,870	3.07	382,000
Northern Area *	Tonnes (000's)	Au (g/t)	Oz Au
Hollandaire + Rapier South	689	1.57	35,000
Jasper Queen + Gilt Edge	271	2.77	24,000

\* Copper and gold Mineral Resources and Ore Reserves reported by Musgrave Minerals Ltd (MGV) in ASX announcement 14 July 2017, "Resource Estimate Exceeds 350koz Gold" and Silver Lake Resources Limited (SLR) in its ASX Announcement "Mineral Resources and Ore Reserves Update", 26 August 2016. CP statements on Slide 28.



## **COPPER RESOURCES**



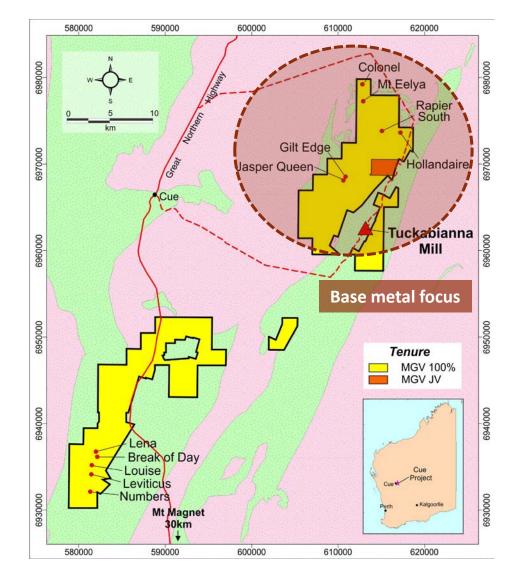
#### Copper resources at Hollandaire

Hollandaire Copper *	Tonnes	% Cu	t Cu
Mineral Resource	2.0 Mt	1.9%	38,800
Ore Reserve	0.4 Mt	3.3%	14,700

Opportunity to discover new copper-zinc resources:

- Mt Eelya:
  - 8m @ 1.6% Cu, 0.8g/t Au, 4.5g/t Ag
  - 4m @ 8.1% Zn, 1.5% Cu, 0.6g/t Au
- Colonel:
  - 6m @ 1.0% Cu, 1.7g/t Au, 11g/t Ag

<sup>\*</sup> Copper and gold Mineral Resources and Ore Reserves reported by Silver Lake Resources Limited (SLR) in its ASX Announcement "Mineral Resources and Ore Reserves Update", 26 August 2016. CP statements on slide 28.



#### **JORC RESOURCES AND RESERVES**

# MUSG RAVE

#### **Gold Mineral Resources**

14 July 2017	Indicated Resources				Inferred Resources		Total Resources		
Deposit	Tonnes '000s	Au Grade g/t	Total oz. Au '000s	Tonnes '000s	Au Grade g/t	Total oz. Au'000s	Tonnes '000s	Au Grade g/t	Total oz. Au '000s
Southern Area									
Break of Day	445	7.73	111	423	6.54	89	868	7.15	199
Lena	1,228	1.69	70	1,393	1.85	83	2.682	1.77	153
Leviticus				42	6.0	8	42	6.00	8
Numbers				278	2.5	22	278	2.46	22
Total	1,733	3.24	181	2,137	2.94	202	3,870	3.07	382
Eelya									
Hollandaire	473	1.4	21	45	1.1	2	518	1.35	22
Rapier South				171	2.2	12	171	2.15	12
Total Eelya	473	1.4	21	216	1.9	13	689	1.55	34
Tuckabianna									
Jasper Queen				175	2.6	15	175	2.6	15
Gilt Edge				96	3.1	9	96	3.1	9
Total Project	2,269	2.84	202	2,623	2.84	234	4,830	2.84	441

#### Copper Mineral Resources

14 July 2017	Indicated Resources			Indicated Resources Inferred Resources			Total Resources		
Deposit	Tonnes '000s	Cu Grade %	Total Tonnes Cu '000s	Tonnes '000s	Cu Grade, %	Total Tonnes Cu '000s	Tonnes '000s	Cu Grade %	Total Tonnes Cu '000s
Hollandaire									
Copper	1,891	2.0	38	122	1.4	2	2,013	2.0	40

#### **Silver Mineral Resources**

14 July 2017	Indicated Resources				Inferred Resources			Total Resources		
Deposit	Tonnes '000s	Ag Grade, g/t	Total oz. Ag '000s	Tonnes '000s	Ag Grade g/t	Total oz. Ag '000s	Tonnes '000s	Ag Grade g/t	Total oz. Ag '000s	
Hollandaire										
Silver	1,925	6.3	390	728	4.7	110	2653	5.9	500	

#### **Copper Ore Reserves**

14 July 2017	Proven Reserves				Probable Reserves			Total Reserves			
Deposit	Tonnes '000s	Cu Grade %	Total Tonnes Cu '000s	Tonnes '000s	Cu Grade %	Total Tonnes Cu '000s	Tonnes '000s	Cu Grade %	Total Tonnes Cu '000s		
Hollandaire											
Copper				442	3.3	15	442	3.3	15		

#### **Silver Ore Reserves**

14 July 2017	Proven Reserves			Probable Reserves			Total Reserves		
Deposit	Tonnes '000s	Ag Grade g/t	Total oz. Ag '000s	Tonnes '000s	Ag Grade g/t	Total oz. Ag '000s	Tonnes '000s	Ag Grade g/t	Total oz. Ag '000s
Hollandaire									
Silver				574	8.2	151	574	8.2	151

#### Notes to Tables:

Due to the effects of rounding, the total may not represent the sum of all components.

The Break of Day and Lena Mineral Resources are produced in accordance with the 2012 Edition of the Australian Code of Reporting of Mineral Resources and Ore Reserves (JORC 2012). The remaining Mineral Resources and Ore Reserve estimates were first prepared and disclosed in accordance with the 2004 Edition of the Australian Code of Reporting of Mineral

Resources and Ore Reserves (JORC 2004) and have not been updated since to comply with JORC 2012 on the basis that the information has not materially changed since it was last reported.

For further details refer to Musgrave Minerals Ltd (MGV) ASX announcement 14 July 2017, "Resource Estimate Exceeds 350koz Gold" and Silver Lake Resources Limited (SLR) in its ASX Announcement "Mineral Resources and Ore Reserves Update", 26 August 2016.

### **COMPETENT PERSON'S STATEMENT**



#### **Mineral Resources and Ore Reserves**

The information in this report that relates to Mineral Resources at Break of Day and Lena is based on information compiled by Mr Aaron Meakin. Mr Meakin is a full-time employee of CSA Global Pty Ltd and is a Member of the Australasian Institute of Mining and Metallurgy. Mr Meakin has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Persons as defined in the 2012 edition of the Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code). Mr Meakin consents to the disclosure of the information in this report in the form and context in which it appears.

The information in this report that relates to the Hollandaire, Rapier South, Jasper Queen, Gilt edge, Leviticus and Numbers Mineral Resource and Ore Reserve Estimates is extracted from the report created by Silver Lake Resources Limited entitled "Mineral Resources and Ore Reserves Update", 26 August 2016 and is available to view on Silver lake's website (www.silverlakeresources.com.au) and the ASX (www.asx.com.au). The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources and Ore Reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

#### **Exploration Results**

The information in this presentation that relates to Exploration Results is based on information compiled and thoroughly reviewed by Mr Robert Waugh. Mr Waugh is a Fellow of the Australasian Institute of Mining and Metallurgy (FAusIMM) and a Member of the Australian Institute of Geoscientists (MAIG). Mr Waugh is Managing Director of Musgrave Minerals Ltd. Mr Waugh has sufficient industry experience to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Waugh consents to the inclusion in the report of the matters based on their information in the form and context in which it appears.