

# June 2018



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#### COMPETENT PERSON'S STATEMENT

Information in this report that relates to Exploration is based on information reviewed or compiled by George Sakalidis BSc (Hons) who is a member of the Australasian Institute of Mining and Metallurgy. George Sakalidis is a director of Magnetic Resources NL.

He has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to 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'. George Sakalidis consents to the inclusion of this information in the form and context in which it appears in this report.

### Magnetic is listed on the Australian Stock Exchange (ASX Code: MAU).

Capital Structure	ASX:MAU	Experienced Board	Position Held Managing Director Non-Executive Chairman	
Shares on issue	152,036,703			
Options and contributing shares on issue	20,418,862	George Sakalidis		
Fully diluted shares on issue	172,455,565	Eric Lim		
Current share price	\$0.155	Julien Sanderson	Non-Executive Director	
		Ben Donovan	Company Secretary	
Market capitalisation	\$24m			

- 10 new gold projects. Two of these projects are within 20km of the 7Moz Wallaby deposit within the Laverton field WA. One of the largest land holders within the Laverton and Leonora Regions with 375km<sup>2</sup>. In close proximity to Dacian Gold in Laverton and Kin Mining in Leonora.
- 10.4km of multielement targets identified at Mertondale and Christmas Well. Large nuggets up to 21oz in ironstone and 1km and 0.6km new laterite anomalies being investigated in vicinity of nugget patch.
- Recent drilling 7m @ 4.5g/t from 5m in MHNRC048 at HN5. Follow up RC drilling has defined a greater than 250m NW trending mineralised zone.

- The Leonora-Laverton district is well endowed with large world-class gold deposits having over 34Moz (mined plus resources), second to the Kalgoorlie region in WA. The company has 198km<sup>2</sup> in the Laverton region and 180km<sup>2</sup> in the Leonora Region.
- A regional aeromagnetic study by the Company has so far identified a total of 10 project areas totaling 375km<sup>2</sup> that have the potential to host large scale deposits These tenements are within 5–40km of existing gold operations, opening the possibility for toll treating.
- The objective of Magnetic Resources' gold exploration program is to identify large gold deposits of 1Moz or greater using the geological and geophysical characteristics of the known surrounding deposits.
- A number of very large deposits are present including Wallaby (>7.1Moz mined plus resource), Sunrise Dam (>10Moz mined), Granny Smith (>2Moz mined), Gwalia (7.3Moz mined plus resource), Westralia (2.4Moz mined plus resource) and Jupiter (1.3Moz mined resource). The Mt Jumbo and Hawks Nest tenements are only 10km north of the Wallaby deposit.

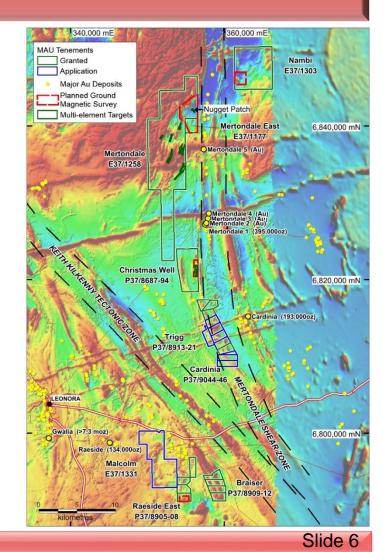
### Table 1. Summary of work completed as of 5<sup>th</sup> June and future programmes

Tenement	Surface sampling completed	Drilling & ground magnetics completed	Proposed exploration	
	599 soils	834 RAB holes for 3242m	66 RAB holes for 3300m	
	493 laterites	26 RC holes for 1452m		
Mertondale	22 costeans	188km ground magnetics		
	70 rock chips			
	500t (prospectors)			
Nambi	1 rock chip	47km ground magnetics		
Christmas Well	4 rock chips	238 RAB holes for 891m	37 RAB holes for 1585m	
Chilstmas well		25km ground magnetics		
Raeside East		26km ground magnetics	149 shallow RAB for 745m	
		Zokm ground magnetics	25 RC holes for 1250m	
Hawks Nest	1910 soils	164 RAB holes for 1814m	394 Soils	
	121 rock chips	70 RC for 4271m	28 RAB holes for 1400m	
		2 AC holes for 66m	at Wheel of Fortune	
		355km ground magnetics		
	67 lags	2 RC holes for 336m		
Mt Jumbo	7 rock chips	2 DDH for 465m		
		143km ground magnetics		
Mt Jumbo East	19 rock chips		101 lag samples	
NIT JUMDO East	131 lags			
Kowtah	1 rock chip	108km ground magnetics		
Ritthday Datab	20 soils	28 RAB holes for 584m	66 vertical shallow RAB holes	
Birthday Patch	5 rock chips		8 angled RC holes for 200m	
Braiser			97 shallow RAB for 485m	
			25 RC holes for 1250m	
Malcolm			46 shallow RAB for 230m	
			25 RC holes for 1250m	
Trian			150 shallow RAB for 745m	
Trigg			25 RC holes for 1250m	

## Leonora — Mertondale Project

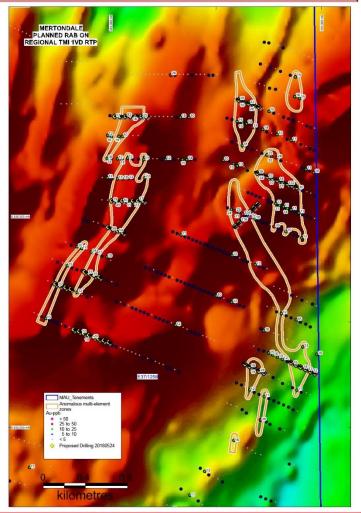
□ 183km<sup>2</sup> in the Mertondale region.

- Over 30Moz mined in the region.
- Numerous dilation targets at changes in orientation of the Mertondale Shear Zone and parallel shears.
- 8.6km of multielement geochemical targets 20km NW of the Cardinia Gold Project (193,000oz) and only 5km west of the Mertondale Deposit (395,000oz).
- Below hardpan geochemical samples more effective than previous soil geochemical results.
- 2 intrusive targets similar to Wallaby at Nambi and Raeside East to be tested as well.



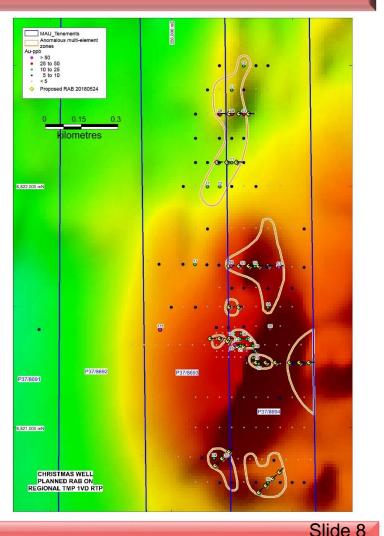
### Leonora — Mertondale Project RAB drilling over a 7.8km multielement targets

Shallow geochemical RAB drilling mainly to the southwest of the nugget patch has identified 7.8km of multielement targets. 66 deeper RAB holes are planned totaling 3300m.



### Leonora — Christmas Well Project Deep RAB drilling of 1.8km of multielement targets

- Shallow RAB (<4m) below hardpan & geochemical sampling has been carried out at Christmas Well (P37/8687–8694).
- A significant 1800m-long N–S anomalous gold zone has been defined with values up to 194ppb and 39.7g/t (39,730ppb) centred on the historical Triumvirate workings.
- Historically similar high grades were mined with 1500g of gold being recovered from 50t of ore extending over 110m of workings, striking SSE in a vertically dipping quartz lode hosted by meta-basalts near the contact with felsic schists (WAMEX report A27915).
- This N–S structural zone is parallel and close to the Mertondale Shear Zone where many significant mines occur, including Mertondale 1,2,3,4,5 (395,000oz) and the recent Kin Mining Discovery at Cardinia (>193,000oz).
- 37 planned deep RAB holes totalling 1585m are planned to test the best parts of a 1800m geochemical anomaly.



### Leonora — Mertondale Project Large Gold Nuggets

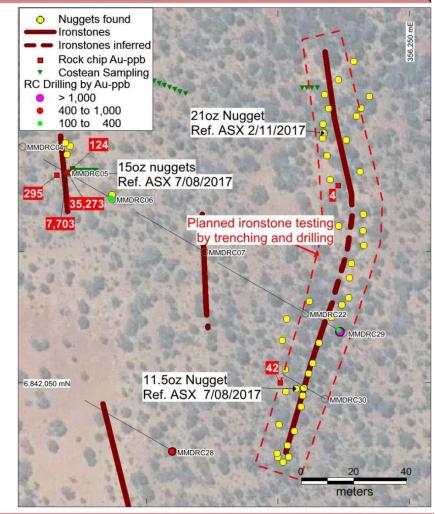
- In the northern part of the Mertondale tenement more than 70oz of gold nuggets have been located to date.
- Nuggets are reported at shallow depths within a lateritic profile.
- □ Two largest nuggets at 11.5oz and 21oz. The 21oz nugget (10cm) reported in MAU ASX release 2/11/17.
- Tribute agreement with pastoralist gives Magnetic 15% gross on all gold found.
- □ Further work by prospectors expected in 2018.



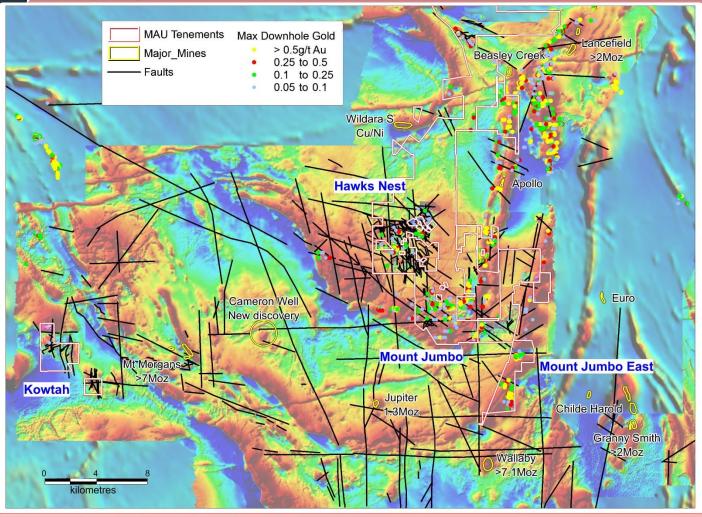


### Leonora — Mertondale Project Gold in ironstones at Nugget Patch

- 5m x 150m north-trending secondary ironstone delineated by prospectors 100m east of the original nugget discovery. About 40 nugget locations have been recorded by prospectors along ironstones, with nugget sizes reported to range from 1cm to 10cm.
- RC drilling intersected gold mineralization in lateritic ironstone, including 1m at 1.11g/t from 2m, 1m at 0.46g/t from surface. The density of drilling at the larger 150m-long eastern nugget zone is low as only two holes have been drilled here.
- Three trench samples in the original gold nugget patch area have high gold results of 35.3g/t, 7.7g/t and 0.3g/t from 3 separate 1kg samples within the western wall of the pit.



# Laverton Gold Mines, Faults, Ground Magnetics, Drillhole Max Gold, Aeromagnetics

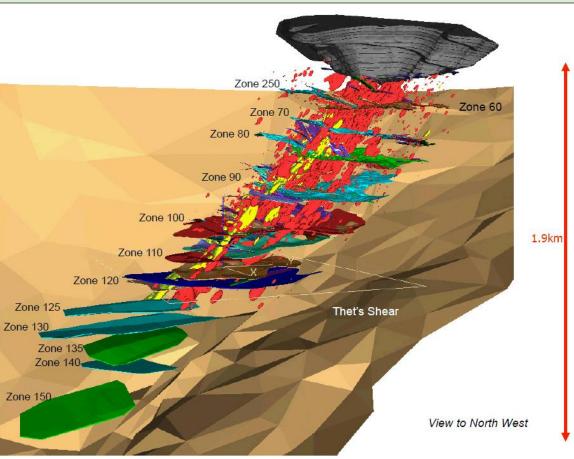


### Leonora–Laverton Gold Project Wallaby Mine (7 Moz) Cross Section

#### Wallaby deposit

Wallaby deposit characteristics:

- Magnetite-rich pipe
- Conglomerates/ Sediments
- Syenite intrusions
- Multiple Horizontal Lodes
- Major Faults in vicinity

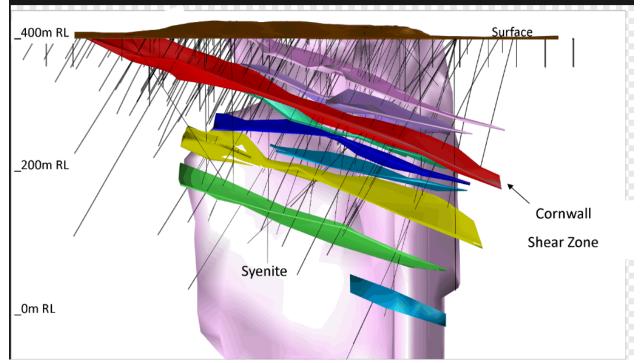


Slide 12

Source: www.goldfields.com/reports/annual\_report\_2015/minerals/reg-aus-smith-key.php

Similar characteristics to the Wallaby deposit:

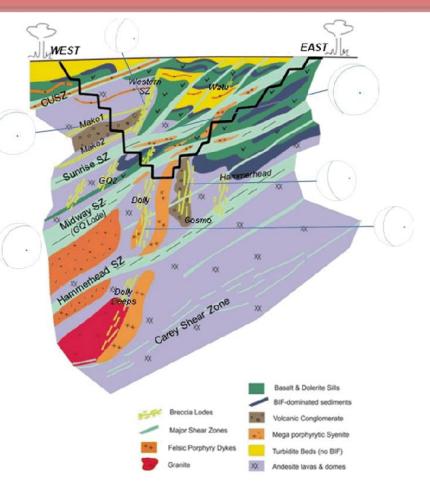
- Magnetite-rich pipe
- Syenite intrusions
- Multiple Horizontal Lodes
- Major Faults in vicinity



### Leonora–Laverton Gold Project Sunrise Dam Mine (10Moz) Cross Section

Similar characteristics to the Wallaby deposit:

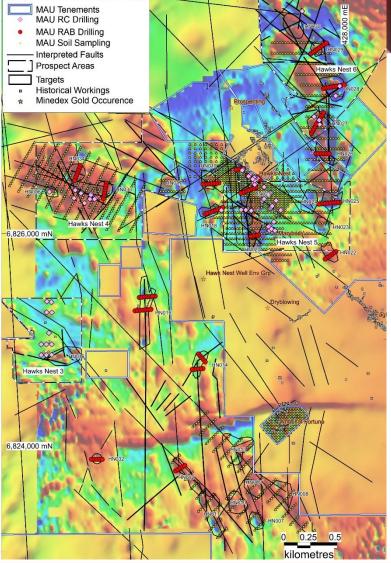
- Magnetite-rich pipe
- Turbidite/Sediment Beds
- Syenite/Felsic Porphyry intrusions
- Multiple Horizontal Lodes
- Major Faults in vicinity



Source: https://www.researchgate.net/figure/A-composite-cross-section-through-the-mine-adapted-from-Nugus-and-Biggam-2008-The\_fig3\_273063029?\_sg=chtV8lxwT-7wAtiVdX\_tbvHokXfuL8pomI0pU\_OfVz8sFXPTofd4XmHWTMorqRpg5Y-diPorqbUvGYR7LKhgxQ

### Laverton — Hawks Nest Project

- Previous RC drilling (70 holes for 4271m) and RAB drilling (164 holes, 1814m) at HN3–5 targets is now completed.
- Soil sampling programmes are now finished and anomalous drilling results at HN5.
- Further 394 soil programmes are being planned especially to cover NW structural zones identified from ground magnetic surveys.
- Multi-element zone at Wheel of Fortune 2km to the SSE.
- 28 RAB holes are planned at Wheel of Fortune when approval granted.

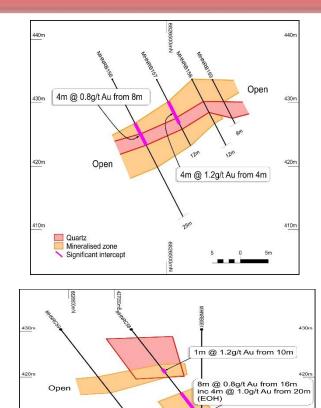


Slide 15

Hawks Nest E38/3127 Ground magnetics and Prospects HN3 to HN6

### Laverton — Hawks Nest Project Hawks Nest 5

- Flat south dipping quartz veins and anomalous gold zones.
- 28 RC for 991m and RAB holes for 233m completed adjacent to and along strike from hole MHNRC48 which intersected 7m @ 4.5g/t Au from 5m in a quartz-veined black shale unit intruded by porphyry.



Recent RC and previous RAB drilling showing anomalous gold intercepts.

22m

Open

Quartz Mineralised zone

Significant intercept

410m

400ri

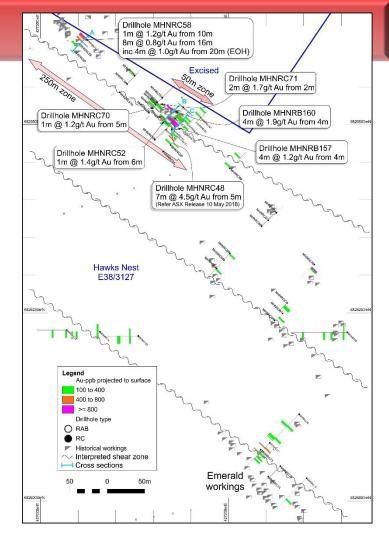
### Laverton — Hawks Nest Project Hawks Nest 5

Greater than 250m Gold mineralised zone outlined.

28 RC for 991m and RAB holes for 233m completed adjacent to and along strike from hole MHNRC48 which intersected 7m @ 4.5g/t Au from 5m in a quartz-veined black shale unit intruded by porphyry.

Significant intersections:

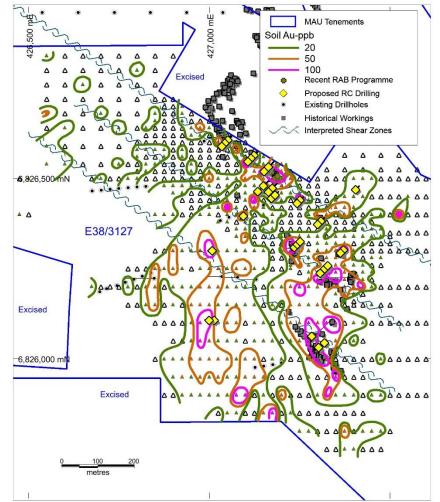
MHNRC48 7m @ 4.5 g/t Au from 5m MHNRB160 4m @ 1.9 g/t Au from 4m MHNRC58 4m @ 1.0 g/t Au from 20m (EOH) Infill RC drilling planned in this promising zone.



Recent RC drilling showing anomalous gold intercepts, 250m mineralised shear zone and historical workings

### Laverton — Hawks Nest Project Hawks Nest 5

- Infill soil sampling in the HN5 area has confirmed several coherent +50ppb Au anomalies totalling more than a significant 1,000m in length.
- The main eastern anomaly embraces the old Emerald gold workings and nearby gold diggings.
- The main western anomaly covers an area of quartz veined porphyry with one gold digging identified so far.
- The northernmost anomaly surrounds an area of old diggings close to the MHNRC048 intersection.
- Eight separate anomalous soil areas with values above 100ppb, some of which have historical diggings associated, have been tested in the current RC programme.

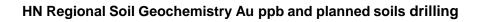


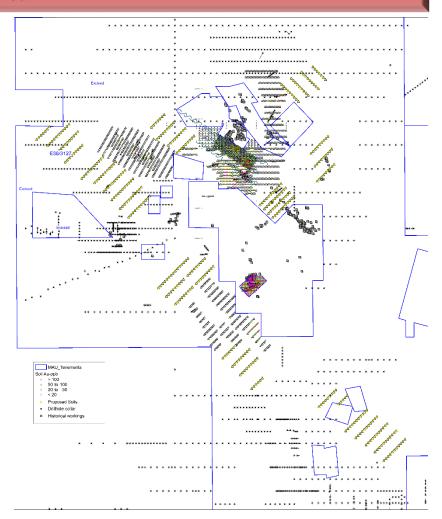
Slide 18

HN5 Soil Geochemistry Au ppb and planned RC drilling

### Laverton — Hawks Nest Project Hawks Nest Regional Soil Geochemistry Planned

- A 394 soil sample programme is planned to cover new NW target zones in areas where soil geochemistry is felt to be able to work in the Hawks Nest region.
- The main eastern anomaly embraces the old Emerald gold workings and nearby gold diggings.
- The main western anomaly covers an area of quartz veined porphyry with one gold digging identified so far.
- The northernmost anomaly surrounds an area of old diggings close to the MHNRC048 intersection.



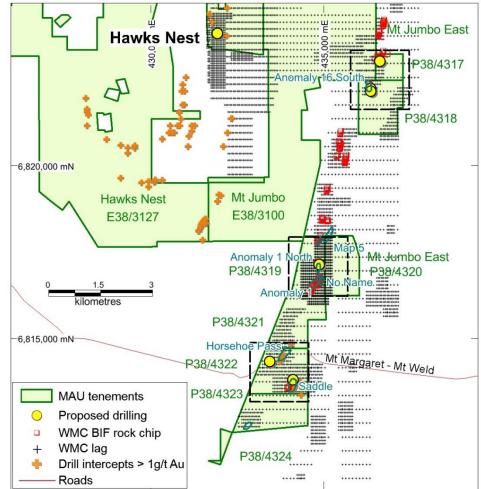


### Laverton — Mt Jumbo East Project

- 11km<sup>2</sup> of tenements called Mt Jumbo East (P38/4317–4324) 5km north of the 7Moz Wallaby deposit.
- Significant shallow historical drill intersections at the No Name prospect include 6m @ 5.8g/t Au from 10m in drillhole MJC09.
- 6 RC holes are planned testing anomalous surface lag samples ranging from 0.7g/t to 6.5g/t Au and anomalous rock chip samples ranging from 1.03g/t to 7.2g/t Au.

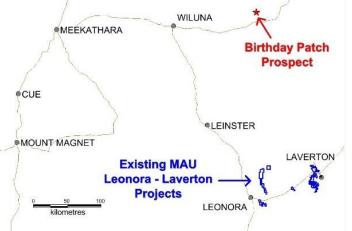
Target	MGAz51_N	MGAz51_E	Depth(m)	Dip	Azimuth
6.5g/t Au Lag	6814358	433447	100	-60	270
7.2g/t Au Rock Chip	6813825	434130	80	-60	270
8g/t Au Rock Chip	6823034	436642	80	-60	315
1.8g/t Au Rock Chip	6822240	436377	80	-60	270
1.75 & 2.3g/t Au					
Rock Chip	6822168	436376	80	-60	270
3.6g/t Au Rock Chip	6817160	434877	80	-60	270

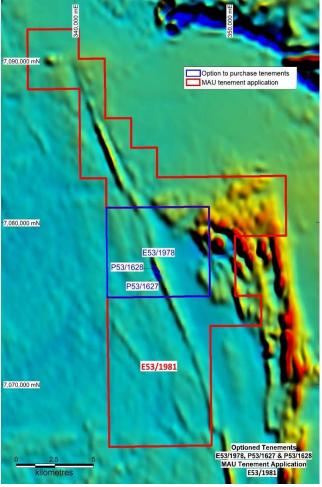
### **RC drillholes planned**



# **Birthday Patch Project**

- In January 2018 Magnetic Resources entered into an option to purchase agreement with prospector Lynsay Masters on the Birthday Patch prospect comprising tenements E53/1978 (application pending), P53/1627(granted) and P53/1628 (granted) totaling 37km<sup>2</sup>, 123km east of Wiluna and 225km north of Magnetic's Leonora Project.
- E53/1981 application by Magnetic totalling 138km<sup>2</sup> surrounds the optioned tenements and covers a 9km extension of the interpreted shear zone to the north and a 6km extension to the south. The prospect is situated on a branch of the Mt Fisher greenstone belt.
- A large shear zone is interpreted.
- Virgin discovery of highgrade gold.
- No historical drilling or diggings.





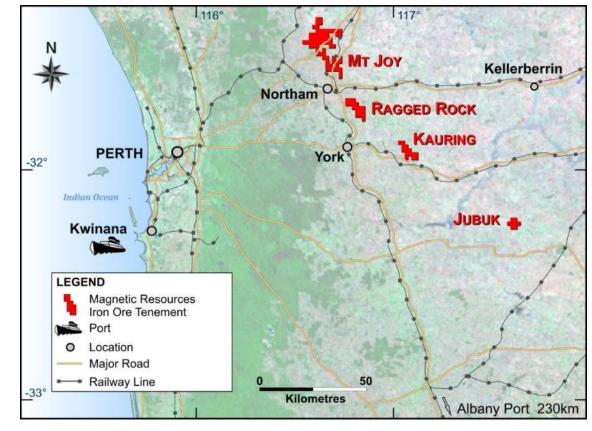
- The optioned tenements cover a 700m-long corridor within which nearsurface gold nuggets have been reported by prospectors using metal detectors.
- GSWA mapping indicates that the nugget occurrences are situated on a granite-sediment contact.
- A geological inspection of the area revealed evidence of sheared ultramafic rocks underlying the nugget occurrences and supported by a linear aeromagnetic anomaly in this position.
- Outcropping granite to the west of the nugget zone shows a very strong foliation, supporting the interpretation of a sheared contact with the ultramafics and sediments to the east.



Gold Nuggets from P53/1627 and P53/1628

High-grade Gold in Quartz from P53/1627 (largest specimen 10cm)

- Magnetic Resources still maintains an interest in potentially economic iron ore deposits and mainly focused on Mt Joy and Kauring.
- A Purchase agreement was signed during the year with Northam Iron Pty Ltd.
- Following a 3-month due diligence period, the Company received its first payment of \$500,000 on 28 November 2017. The agreement includes further payments totalling \$1,000,000 and a sliding scale royalty with payments starting at \$0.25/t for a sale price of \$80.00/t or less, and thereafter, for every increase in the sale price of \$10.00/t the royalty rate will increase by \$0.25/t.



Magnetic Resources provides a unique opportunity to invest in an emerging gold market within the world class Leonora-Laverton regions. Active programmes are in progress to determine optimum sites for follow up drilling within the Hawks Nest, Mertondale, Christmas Well, Mt Jumbo East and Birthday Patch Projects.

George Sakalidis Executive Director +61411640337 george@magres.com.au