

26 July 2019

# QUARTERLY ACTIVITIES REPORT FOR THE PERIOD ENDED 30 JUNE 2019

#### **EXPLORATION**

#### **Forrest and Wodger Drilling**

• Diamond drilling during the quarter returned the following results:

# **Forrest Prospect**

- FPDD002 with 8.5m @ 1.06% Cu and 0.42g/t Au from 382m including 4m @ 1.59% Cu and 0.09g/t Au from 382m and 1m @ 1.55% Cu and 3.33g/t Au from 389.5m
  - Mineralised intervals in FPDD002 are the first primary copper sulphide intersections recorded at Forrest.

### **Wodger Prospect**

- WRDD005 with 1.8m @ 1.73% Cu from 335m, including 0.2m @ 9.62% Cu and 0.10g/t
   Au from 336.6m in semi-massive chalcopyrite
- Down Hole EM completed on three diamond holes at Wodger with limited anomalous conductors detected

#### Cashman

- Several untested moving loop EM (MLEM) and magnetic targets occur along strike from Orient gossan within the Karalundi Formation on tenements E51/1391 and E51/1053
- Air Core Drilling testing VTEM and magnetic anomalies planned for Q3 2019

# **Horseshoe Well**

 VTEM anomalism on E52/3166 coincides with interpreted Narracoota Formation with AC testing to be completed in Q3 2019

### Morck Well JV - Managed by Sandfire Resources NL (Earning 70% Interest)

- Two diamond drill holes completed, and one ongoing (450.6m)
- Eighteen reverse circulation (RC) drill holes completed (for 5,257m).
- Significant base metal geochemistry included MWRC0010: 1m @ 0.8% Cu, 61ppb Au, 112ppm
   Zn and 156ppm Pb from 183m
- Morck Well JV spend to date is \$9.4M

#### **Morck Well West Project**

- Auger results indicated elevated Cu-Au anomalism.
- Historic data has identified gold workings at the Two Dogs prospect which has returned gold in rock chips up to 3.42g/t Au.
- Air Core Drilling planned for Q3 2019

#### **CORPORATE**

• Cash position at 30 June 2019: ~\$1.86 million

Western Australian base metals explorer **Auris Minerals Limited** ("**Auris**" or "the **Company**") (**ASX: AUR**) is pleased to provide its Quarterly Activities Report for the period ended 30 June 2019.

Auris is exploring for base metals and gold in the Bryah Basin of Western Australia. Auris has consolidated a tenement portfolio of 1,300km<sup>2</sup>, which is divided into six well-defined project areas: Forrest, Doolgunna, Morck Well, Cashman, Feather Cap and Horseshoe Well (Figure. 1).

In February 2018, Auris entered a Farm-in Agreement with Sandfire Resources NL in relation to the Morck Well East and Doolgunna Projects which covers ~430km² (the Morck Well JV). Sandfire has the right to earn a 70% interest in the projects upon completion of a Feasibility Study on a discovery of not less than 50,000t contained copper (or metal equivalent). Auris manages exploration on all other tenements, including those that are subject to arrangements with third parties (Figure 1).

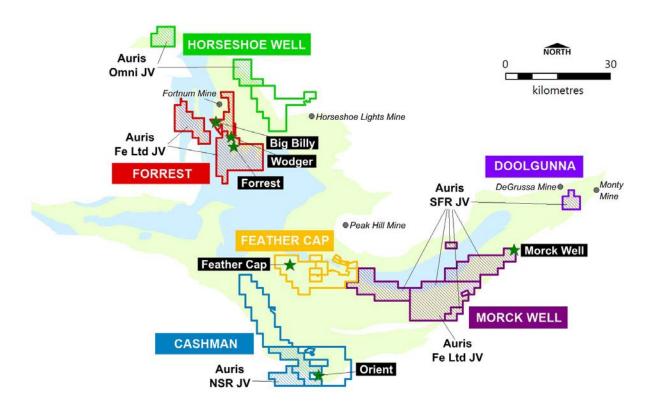


Figure 1: Auris' copper-gold exploration tenement portfolio, with Sandfire Resources (SFR), Northern Star (NSR), Fe Ltd and OmniGeoX JV (Omni) areas indicated (see notes below).

#### **Forrest Project**

- E52/1659, E52/1671 & P52/1494-6: Auris 80%, Fe Ltd 20% (ASX:FEL) free carried until Decision to Mine
- E52/1659, E52/1671 & P52/1493: Westgold Resources Ltd (ASX:WGX) own the gold rights

#### **Cashman Project**

• E51/1837-38 & E51/1391: Auris 70%, Northern Star 30% (ASX:NST)

## **Horseshoe Well Project**

• E52/3248 & E52/3291: Auris 85%, OMNI Projects Pty Ltd 15% free carried until Decision to Mine

#### Morck Well JV

E52/2438 & ELA51/1883: Auris 100%, Sandfire Resources (ASX: SFR) earning to 70%
 E52/1613, E51/1033 & E52/1672: Auris 80%, Fe Ltd 20% (ASX:FEL), Sandfire Resources (ASX: SFR) earning to 70%

#### **EXPLORATION**

## 1. Forrest Project

**Forrest Prospect Diamond Drilling:** Analytical results were received from two diamond drill holes completed during the previous reporting period. Significant copper-gold intercepts support a northern down-plunge extension to mineralisation (Figures 2 and 3, refer to ASX announcement dated 4 February 2019).

**FPDD001** (231.0m depth) tested the down plunge extension of oxide copper mineralisation intersected in FGRC005 (8m at 1.27% Cu from 139m) and FGRC002 (8m @ 1.01% Cu from 76m, see ASX:RNI announcement dated 28 February 2014).

Significant intercepts within FPDD001 include 3.72m @0.97% Cu and 0.11g/t Au from 123-126.72m, including 0.25m @ 3.23% Cu and 0.43g/t Au from 124m and 0.25m @ 2.7% Cu and 0.27g/t Au from 125.2m.

These results are associated with an enriched oxide zone comprising of disseminated malachite transitioning to discrete stringer/fracture fill chalcocite mineralisation within weathered and foliated ultramafic lithologies. Drill hole FPDD001 is interpreted to have intersected the top of a mineralised body and confirms the up-dip continuation intersected in previous drilling at Forrest (Figure 2, Figure 3).

**FPDD002** (448.5m depth) targeted copper mineralisation north and down-plunge of FPRC029 (276-309m: 33m @ 1.25% Cu, including 14m @ 1.17% Cu from 276m and 16m @ 1.54% Cu from 293m - refer ASX announcement dated 4 February 2019).

FPDD002 intersected three zones of mineralisation and returned the following significant results:

**382-390.5m: 8.5m @ 1.06% Cu** and **0.42g/t** including **4m @ 1.59% Cu** and **0.09g/t Au** from 382m and **1m @ 1.55% Cu** and 3.**33g/t Au** from 389.5m, associated with a carbonate-chlorite altered ultramafic rock with disseminated bornite.

**399-402.5m: 3.5m @ 0.82% Cu** and **5.29g/t Au**, including **0.5m @ 3.45% Cu** and **37.0g/t Au** from 402m, associated with carbonate-chlorite altered ultramafic rocks with disseminated and discrete fracture fill bornite and rare visible gold mineralisation.

**415.5-418.5m: 3.0m @ 1.06% Cu** and **0.13g/t Au**, including **0.5m @ 3.84% Cu** and **0.25g/t Au** from 418.0m, associated with fracture-fill bornite mineralisation in quartz veining within footwall sedimentary rocks underlying the ultramafic.

The mineralised intervals in FPDD002 are the first primary copper sulphide intersections recorded at Forrest. The oxidised mineralisation previously intersected is interpreted to be the weathered and enriched oxide extension of the copper sulphide. The new intersections containing disseminated bornite provide a new target for future exploration, both at Forrest and regionally, within the Auris tenements.

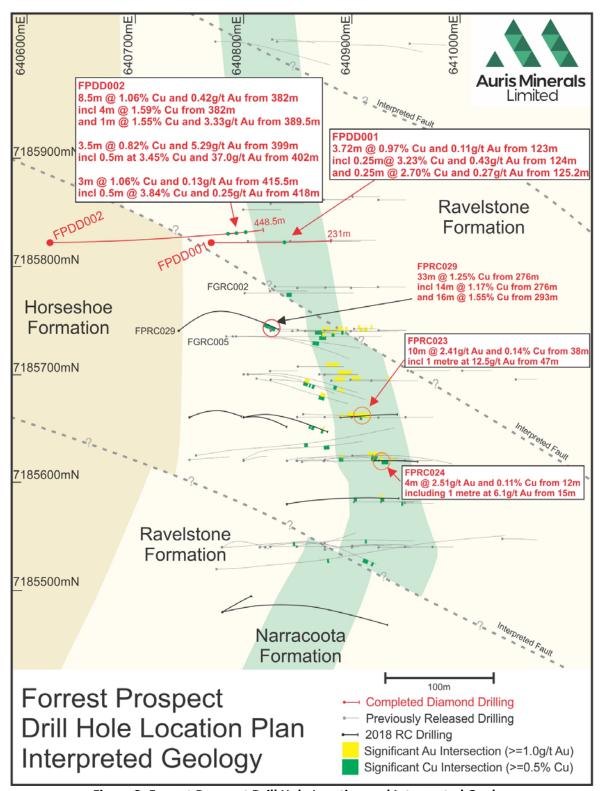


Figure 2: Forrest Prospect Drill Hole Location and Interpreted Geology

Ν

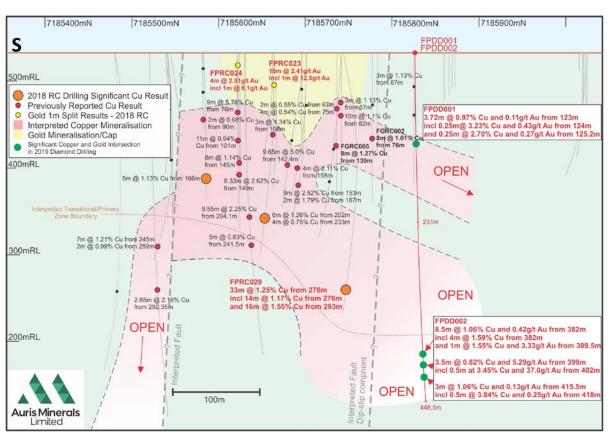


Figure 3: Forrest Prospect Longitudinal Projection with mineralisation interpreted to dip northward. FPDD001 intersected the mineralisation down-dip of known mineralisation in FGRC005 and FPDD002 intersected mineralisation down-plunge to FPRC029.

**Wodger Prospect Diamond Drilling:** Diamond drilling for 293.1 metres was completed at the Wodger Prospect, comprising the completion of one diamond hole (WRDD005, commenced during previous reporting period) and one diamond tail, (WDRCD020), (refer ASX announcement dated 29 April 2019).

WRDD005 (405.5m depth) was drilled to evaluate copper mineralisation approximately 120m down the interpreted plunge, to the north-north west, from WDRC018. The diamond hole intersected the target horizon approximately 25 metres up-dip from the planned location due to weathered regolith. Two zones of copper sulphide mineralisation were intersected (335.0-337.3m and 346.6-353.8m), predominantly comprising up to 2% disseminated chalcopyrite and/or bornite within foliated, carbonate altered ultramafic lithologies (see Figure 4 and Figure 5). In the first zone of copper sulphide mineralisation, a discrete, semi-massive zone of 25% chalcopyrite was intersected between 336.6m and 336.8m adjacent to an interflow sedimentary rock. This chalcopyrite zone returned a significant result of 1.8m @ 1.73% Cu from 335m including 0.2m @ 9.62% Cu and 0.10g/t Au from 336.6m (refer to ASX announcement dated 29 April 2019).

A diamond tail to RC drill hole **WDRC020** (217.6m diamond to 399m depth) was designed to intersect a moving loop EM (MLEM) anomaly (Figure 4). The diamond tail commenced at 181.4m as the RC drill hole had collapsed resulting in the widening of the drill hole and the inability to case the RC drill hole to the final depth of 284 metres.

The completed hole (WDRCD020) drilled through the modelled MLEM anomaly however no significant copper sulphides and/or potential source to the moving loop anomaly was identified. No samples were submitted for laboratory analysis and results were identified by the routine onsite pXRF analysis of the drill core.

**Down Hole EM Survey Summary:** Down hole EM (DHEM) surveying was completed on three diamond drill holes, (FPDD002, WDRCD020 and WRDD005) and two RC drill holes (FPRC029 and FPRC031). No significant anomalous DHEM responses were identified, however a subtle in-hole EM response was identified within WRDD005, centred on the discrete, semi-massive zone of chalcopyrite mineralisation.

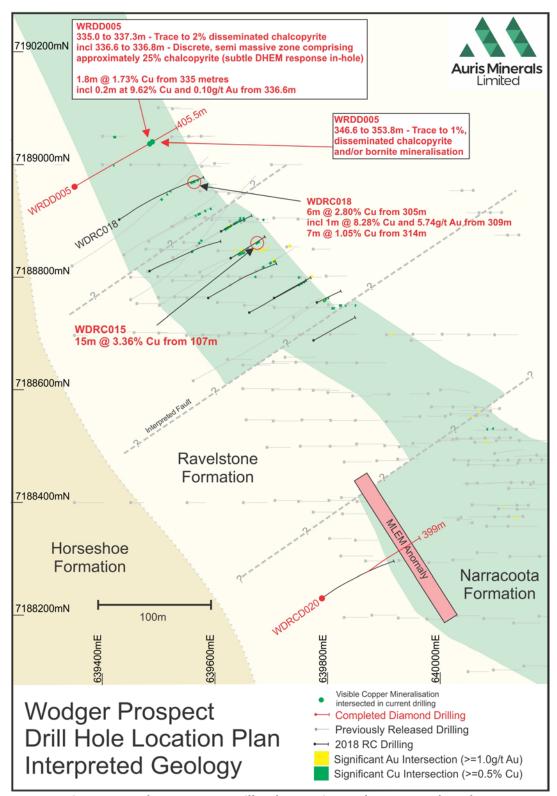
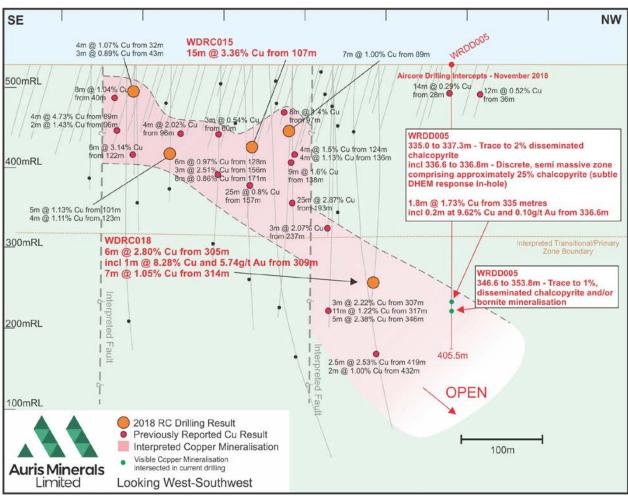


Figure 4: Wodger Prospect Drill Hole Location and Interpreted Geology



**Figure 5: Wodger Prospect Longitudinal Projection** 

**Petrophysical Testing:** Eleven diamond core samples from the recent diamond drilling at Forrest and Wodger were submitted for physical property testing. All samples were tested for IP effect (Chargeability), galvanic resistivity, magnetic susceptibility, EM (inductive) conductivity and bulk density. This work was conducted on a range of samples from both the intersected mineralisation, host rocks and surrounding regional rock types. Understanding the properties of the rocks can assist in planning useful geophysical surveys for further exploration.

The results indicate that the mineralised samples within the Narracoota Formation have a higher IP chargeability response and a lower galvanic resistivity (higher conductivity) relative to the other samples. These samples also displayed the highest bulk density measurements.

**Future Activities:** Future work at the Forrest and Wodger Prospects will be based on a drill compilation which includes the results from the petrophysics and a geochemical review of the drill data (in progress). Along strike of the Forrest and Wodger Prospects is the Starlight Underground Mine which has recently intersected a pyrite-sphalerite massive sulphide horizon at the top of a sequence of interbedded siltstones and shales. (See ASX:WGX announcement dated 30 September 2018). This area is historically known for gold mineralisation and this intersection represents a significant opportunity in an underexplored terrain.

### 2. Cashman Project

A combined geological and geophysical interpretation over the Cashman Project was completed by the Company's geophysical consultants, Resource Potentials. This work was able to distinguish the prospective Karalundi Formation from the surrounding lithologies. The Karalundi Formation is the prospective horizon which hosts Sandfire Resources high grade DeGrussa Cu-Au deposit and Auris Minerals' Orient Gossan.

This work has also identified numerous magnetic and VTEM targets along strike from the Orient Gossan, often correlating with anomalous multi-element geochemistry (Figure 6). An air core drill program has been planned to identify the source of these anomalies. An RC drill program is planned to follow up Moving Loop EM (MLEM) targets identified proximal to the Orient Project area.

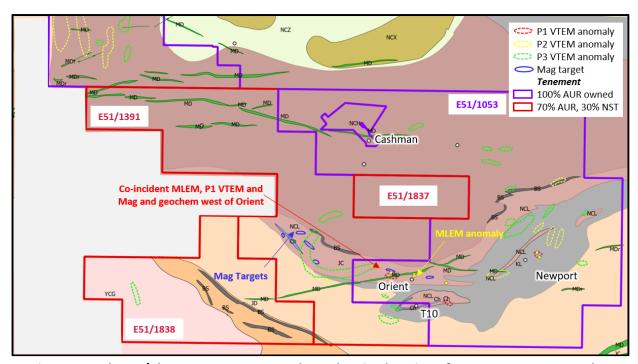


Figure 6: Cashman/Cheroona Tenement package showing location of mag targets, VTEM and MLEM drill holes (yellow dots) with interpreted geology underlying.

A compilation of historical data has commenced over the Mick's Well tenement (E51/1120). This area has historically been explored for gold, with limited numbers of multi-element assays undertaken for base metal analysis. Geology across the tenement is predominately comprised of a volcano-sedimentary rock package that includes mafic and ultramafic basalts, rhyolites, volcaniclastic and sedimentary rocks of the Narracoota Formation. The geology is prospective for Horseshoe Lights-style Cu-Au deposits and Mikhaburra/Durack-style epigenetic gold mineralisation. A number of pyritic cherts and jasperlitic rocks were historically sampled in the area by Homestake and contain significant gold (highest values 23.1g/t Au (Mick's Well/Area 1), 24.2g/t Au (Area 2), 4.64g/t Au (Area 3) (Figure 7)).

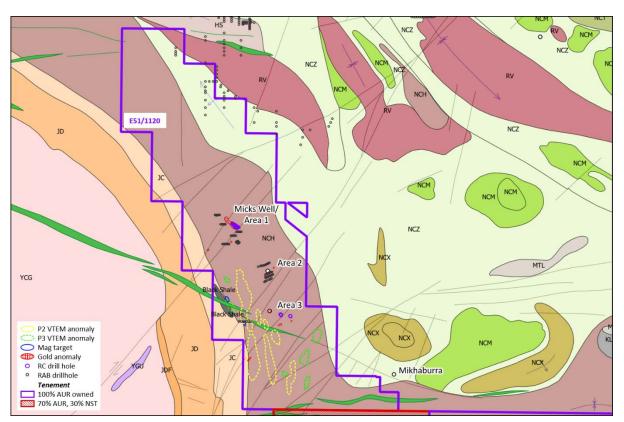


Figure 7: Anomalous Au in rock chips sampling by Homestake (red circles), and VTEM anomaly locations. Resource Potentials geological interpretation

### 3. Morck Well West Project

The Morck Well tenement package covers the contact between the Narracoota Formation maficultramafic basalts and the Ravelstone Formation sedimentary rocks - the same stratigraphic location as the Horseshoe Lights Cu-Au and Harmony Gold deposits. Historical gold workings are located at Wembley and Durack, with associated structures trending into Auris' tenement package indicating that these tenements are prospective for both orogenic gold and Horseshoe Lights style Cu-Au VHMS mineralisation.

A complete historical data review is currently underway. A field reconnaissance trip during the quarter identified numerous unknown drill holes on the property. A review of the open file Exploration WAMEX reports has revealed a large amount of drilling including downhole geological logging and geochemical sampling, which after collating, is hoped to provide a detailed geological interpretation and evaluation of the tenements prospectivity.

A small air core drill program will be completed in the next quarter which aims to evaluate geology associated with historic gold workings (Two Dogs, located in the south of E52/1910-I) which has returned gold in rock chips up to 3.42g/t Au. Elevated Cu-Au anomalism identified from multi-element analysis of auger results within E52/2472 will also be tested.

## 4. Morck Well JV (Sandfire Resources NL Earning 70% Interest)

**Diamond Drilling:** Diamond drilling (DD) commenced at the Morck Well project during the reporting period. Two exploration diamond drill (DD) holes were completed and one DD hole is ongoing in the reporting period for a total drill advance of 450.6m. Drilling targeted a geophysical anomaly to the west of Frenchy's Prospect and extensions to shallow RC drilling. No significant assays were received during the reporting period. The locations of completed drilling are displayed in Figure 8 and noted in Table 1.

Hole ID	Prospect	EOH Depth	Easting	Northing	Date
		(m)			Completed
MWDD0005	Frenchy's	441.4	703245	7141732	22/06/2019
MWRC0033	Frenchy's	532.0	703108	7141599	27/06/2019
MWRC0034	Frenchy's	Ongoing	702876	7141263	Ongoing

Table 1:DD drilling completed at the Morck Well Project during Q2, 2019.

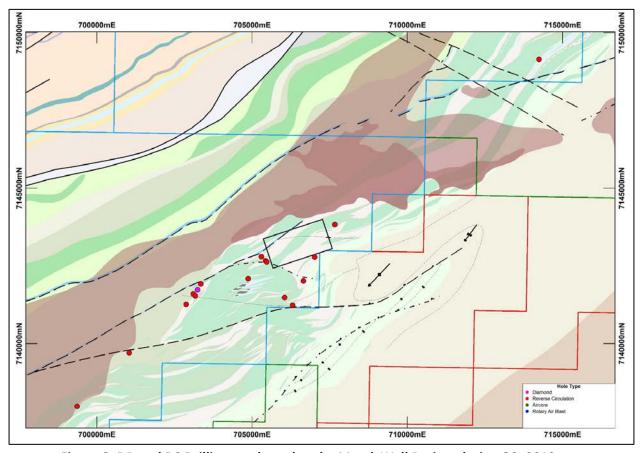


Figure 8: DD and RC Drilling conducted at the Morck Well Project during Q2, 2019.

**Reverse Circulation Drilling:** Drilling was completed at the Frenchy's Prospect, located adjacent to the historic Frenchy's Mining Lease. Fifteen exploration, one pre-collar and one water exploration hole were completed for a total drill advance of 5,257m. Drilling targeted several geochemical and geophysical anomalies identified from recent AC drilling and AEM surveying, plus assays from historical data. The locations of completed drilling are displayed in Figure 8 and noted in Table 2. Significant assays received during the reporting period are displayed in Table 3.

The geology within the region consists of Karalundi sediments and lower Narracoota volcanics with thin zones of vein graphite present. Most of the drill holes intersected favourable sediment horizons at their targeted depths. These horizons include strongly chlorite altered sediments, magnetiferous exhalite sediments containing minor jasper and traces of disseminated pyrite. The EM anomalies were adequately tested and were identified to be crystalline graphite associated with veining.

Deep RC drilling at the Frenchy's Prospect has improved the geological interpretation and defined favourable host sediment horizons along strike from the primary drill area.

No further RC drilling is currently planned within the Frenchy's Prospect of the Morck Well Project. However, additional holes may be drilled to cover sections of stratigraphy where RC holes may not have fully tested the desired targets due to being abandoned after intersecting significant volumes of groundwater.

**Air Core Drilling:** No drilling was completed at the Morck Well Project during the reporting period as the company is still awaiting the necessary Native Title approvals from the Jidi Jidi. Upon clearance further drilling is planned to be undertaken to complete the coverage of the prospective Karalundi formation.

Table 2: RC drilling completed at the Frenchy's Prospect, Morck Well Project during Q2, 2019.

Hole ID	EOH (m)	Easting	Northing	Date	Notes
				Drilled	
MWRC0025	304	705300	7142795	04/04/2019	No significant mineralisation observed.
MWRC0026	142	705435	7142662	16/04/2019	No significant mineralisation observed.
MWRC0027	436	706653	7142016	11/04/2019	328 – 335m: Trace blebby pyrite (<1%).
MWRC0028	226	707014	7142784	13/04/2019	No significant mineralisation observed.
MWRC0029	324	699365	7137981	19/04/2019	No significant mineralisation observed.
MWRC0030	442	707665	7143830	17/04/2019	No significant mineralisation observed.
MWRC0031	418	703348	7141922	23/04/2019	No significant mineralisation observed.
MWRC0032	178	701042	7139703	21/04/2019	No significant mineralisation observed.
MWRC0033	364	703108	7141599	28/04/2019	No significant mineralisation observed.
MWRC0034	202	702876	7141263	24/04/2019	No significant mineralisation observed.
MWRC0035	334	705470	7142626	30/04/2019	185 – 195m: Minor disseminated pyrite (~2%).
MWRC0036	322	706047	7141481	10/05/2019	231 – 233m: Minor disseminated pyrite (~5%).
MWRC0037	382	706303	7141232	14/05/2019	308 – 348m: Minor disseminated pyrite (~5%).
MWRC0038	382	703169	7141535	23/05/2019	No significant mineralisation observed.
MWRC0039	69	704874	7142089	31/05/2019	No significant mineralisation observed.
	(abandoned)				
MWRC0040	424	714239	7149145	03/06/2019	No significant mineralisation observed.
MWWE011	120	702876	7141263	12/06/2019	No significant mineralisation observed.
MWDD0005	158	703245	7141732	14/06/2019	No significant mineralisation observed.
	(RC pre-collar)				

Hole ID	From	To (m)	Down	Intersection			
	(m)		hole thickness	Cu (ppm)	Au (ppb)	Zn (ppm)	Pb (ppm)
MWRC0010	183	184	1	8580	61	112	156
MWRC0017	314	315	1	1890	9	127	5
MWRC0026	60	75	15	302	993	134	26
MWRC0027	245	250	5	32	653	44	2
MWRC0027	270	275	5	25	797	41	2

Table 3: Significant RC Assays returned at the Morck Well Prospect during Q2, 2019.

*Geophysics:* The MLEM survey is now complete across the Morck Well tenements. Four lines of infill were completed in April over two targets, one of which was considered geometrically complex and recommended for drill testing. Holes MWRC0033 and MWRC0038 were drilled to target the MLEM modelled plate, and MWRC0031 and MWRC0034 were drilled to test along-strike of the plate. Holes MWRC0031, 33 and 38 were surveyed with DHEM.

DHEM surveys were completed on 11 holes at Morck Well (MWRC0025, 27, 29-31, 33, 35-38, 40). Anomalies consistent with a discrete conductive horizon were detected in holes MWRC0031, 33 and 38. Subsequent drill-testing of each anomaly encountered a graphitic intersection which explains the anomalous response in the EM surveys. No further anomalous responses associated with bedrock conductors were detected.

The P2018099 Atlas Geophysics gravity survey was completed in early May. The final data has been processed and gridded, with final survey imagery supplied in June.

# 5. Horseshoe Well Project

The Horseshoe Well project is regionally under explored. Extensive compilation of historical data from Exploration WAMEX reports has been conducted over the quarter. This has involved digitising of paper maps and the locations of surface geochemical sampling, historical drill holes and geology in order to put them in a useable digital format for further compilation and analysis with modern geophysical and geological datasets.

Although much of the tenement package is covered by the younger Edmund-Collier group rocks, this work has identified that the depth to the prospective Narracoota Formation is likely only 200m in the southern part of the tenement package (E52/3166 and E52/3291). VTEM anomalism within E52/3166 coincides with interpreted Narracoota Formation (Figure 9), with historic Cu-Au anomalism identified in the area from the compilation of historical data. Historical drilling north of the tenement package indicates mafic-ultramafic altered lithologies at 450m vertical depth.

As part of open file data compilation, an additional 1500+ historical surface and RAB drilling samples were found to cover E52/3248 with geology outcropping throughout a bulk of the tenement. Above background multi-element signatures were identified in basalts. Further geochemical surface sampling programs are being planned to follow up a revised interpretation of this area.

Auger sampling on E52/3291 in 2017 highlighted a coincident low-level Cu-Pb-Zn-As anomaly in surface cover which correlates with the interpreted position of Narracoota Formation at depth.

A small air core drill program is currently underway to test areas of coincident 2<sup>nd</sup> and 3<sup>rd</sup> order VTEM anomalies and areas of interpreted Narracoota Formation underneath extensive transported cover within E52/3166.

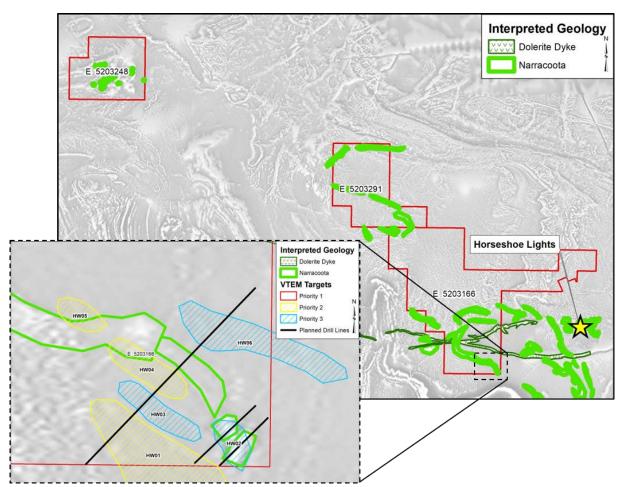


Figure 9: Interpreted location of Narracoota Formation underlying Bangemall Group rocks on the Horseshoe Project.

#### 6. Tenements

- (a) The following 100% registered and beneficially owned tenement was relinquished during the quarter: M51/79;
- (b) Interest in tenements E51/1391, E51/1837 and E51/1838 (NST JV) increased from 51% to 70%; and
- (c) Tenement E52/2509 was withdrawn from the NST JV.

-ENDS-

For and on behalf of the Board.

#### **Mike Hendriks**

**Chief Operating Officer** 

#### For Further information please contact:

Mike Hendriks M: +61 400 164 067 Chief Operating Officer

#### **Competent Person's Statement**

Information in this announcement that relates to exploration results is based on and fairly represents information and supporting documentation prepared and compiled by Mr Matthew Svensson BAppSc (Geology), who is a Member of the Australian Institute of Geoscientists.

Mr Svensson is Exploration Manager for Auris Minerals Limited. Mr Svensson 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 Exploration Results, Mineral Resources and Ore Reserves. Mr Svensson consents to the inclusion in the announcement of the matters based on this information in the form and context in which it appears.

#### No New Information

Except where explicitly stated, this announcement contains references to prior exploration results and Mineral Resource estimates, all of which have been cross-referenced to previous market announcements made by the Company. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcements and, in the case of estimates of Mineral Resources that all material assumptions and technical parameters underpinning the results and/or estimates in the relevant market announcement continue to apply and have not materially changed.

#### **Forward-Looking Statements**

This announcement has been prepared by Auris Minerals Limited. This document contains background information about Auris Minerals Limited and its related entities current at the date of this announcement. This is in summary form and does not purport to be all inclusive or complete. Recipients should conduct their own investigations and perform their own analysis in order to satisfy themselves as to the accuracy and completeness of the information, statements and opinions contained in this announcement. This announcement is for information purposes only. Neither this document nor the information contained in it constitutes an offer, invitation, solicitation or recommendation in relation to the purchase or sale of shares in any jurisdiction.

This announcement may not be distributed in any jurisdiction except in accordance with the legal requirements applicable in such jurisdiction. Recipients should inform themselves of the restrictions that apply in their own jurisdiction. A failure to do so may result in a violation of securities laws in such jurisdiction. This document does not constitute investment advice and has been prepared without taking into account the recipient's investment objectives, financial circumstances or particular needs and the opinions and recommendations in this representation are not intended to represent recommendations of particular investments to particular investments to particular persons. Recipients should seek professional advice when deciding if an investment is appropriate. All securities transactions involve risks, which include (among others) the risk of adverse or unanticipated market, financial or political developments.

No responsibility for any errors or omissions from this document arising out of negligence or otherwise is accepted. This document does include forward-looking statements. Forward-looking statements are only predictions and are subject to risks, uncertainties and assumptions which are outside the control of Auris Minerals Limited.

Actual values, results, outcomes or events may be materially different to those expressed or implied in this announcement. Given these uncertainties, recipients are cautioned not to place reliance on forward-looking statements.

Any forward-looking statements in this announcement speak only at the date of issue of this announcement. Subject to any continuing obligations under applicable law and ASX Listing Rules, Auris Minerals Limited does not undertake any obligation to update or revise any information or any of the forward-looking statements in this document or any changes in events, conditions or circumstances on which any such forward-looking statement is based.

Table 4: Schedule of Mining Tenements as at 30 June 2019

Tenement Number	Registered Holder	Date Granted	Area Graticular Blocks(bk) / Hectares (ha)	Area Sq km	Note
Doolgunna P	roject				
E52/2438	Auris Minerals Limited	11/02/2010	7bk	21.68	1,8
Morck Well F	Project				
E51/1033	Auris Exploration Pty Ltd 80%;	22/09/2005	53bk	161.84	,3,8
	Jackson Minerals Pty Ltd 20%				
E51/1883	Auris Exploration Pty Ltd 100%	Application	4	12.21	8
E52/1613	Auris Exploration Pty Ltd 80	29/03/2006	30bk	92.77	,3,8
	Jackson Minerals Pty Ltd 20%				
E52/1672	Auris Exploration Pty Ltd 80%;	22/09/2005	35bk	108.02	,3,8
	Jackson Minerals Pty Ltd 20%				
E52/1910	Auris Exploration Pty Ltd	10/08/2006	41bk	124.21	4
E52/2472	Auris Exploration Pty Ltd	19/11/2009	2bk	6.1	
E52/3275	Auris Exploration Pty Ltd	01/06/2016	2bk	6.1	
E52/3327	Auris Exploration Pty Ltd	15/10/2015	2bk	6.1	
E52/3350	Auris Exploration Pty Ltd	02/03/2016	3bk	9.2	
E52/3351	Auris Exploration Pty Ltd	02/03/2016	2bk	6.1	
P52/1497	Auris Exploration Pty Ltd	6/3/2015	155.90ha	1.56	
P52/1503	Auris Exploration Pty Ltd	6/3/2015	172.86ha	1.73	
P52/1504	Auris Exploration Pty Ltd	6/3/2015	191.81ha	1.92	
Cashman Pro	ject				
E51/1053	Auris Exploration Pty Ltd	22/09/2005	35bk	105.26	
E51/1120	Auris Exploration Pty Ltd	10/08/2006	40bk	122.46	
E51/1391	Northern Star Resources Ltd	11/11/2010	21bk	64.82	5
E51/1837	Auris Exploration Pty Ltd 70%	19/01/2018	3bk	9.2	5
	Northern Star Resources Ltd 30%				
E51/1838	Auris Exploration Pty Ltd 70%	19/01/2018	11bk	33.62	5
	Northern Star Resources Ltd 30%				
Forrest Proje	ct				
E52/1659	Auris Exploration Pty Ltd 80%	27/01/2004	13bk	34.09	2,6
	Jackson Minerals Pty Ltd 20%				
E52/1671	Auris Exploration Pty Ltd 80%	23/11/2004	61bk	185.26	2,6
•	Jackson Minerals Pty Ltd 20%				
P52/1493	Auris Exploration Pty Ltd	6/3/2015	191.66ha	1.92	6
P52/1494	Auris Exploration Pty Ltd 80%	6/3/2015	179.33ha	1.79	2
	Jackson Minerals Pty Ltd 20%				

## **QUARTERLY REPORT FOR THE PERIOD ENDED 30 JUNE 2019**

### 26 JULY 2019

Page | **16** 

P52/1495	Auris Exploration Pty Ltd 80%	6/3/2015	181.09ha	1.81	2			
	Jackson Minerals Pty Ltd 20%							
P52/1496 Auris Exploration Pty Ltd 80%		6/3/2015	183.70ha	1.83	2			
	Jackson Minerals Pty Ltd 20%							
Horseshoe W	Horseshoe Well Project							
E52/3248	Auris Exploration Pty Ltd 85%	31/03/2015	11bk	33.62	7			
	Omni Projects Pty Ltd 15%							
E52/3291	Auris Exploration Pty Ltd 85%	02/03/2016	13bk	39.73	7			
	Omni Projects Pty Ltd 15%							
E52/3166	Auris Exploration Pty Ltd	18/12/2014	34bk	103.92				

#### Notes:

Auris Exploration Pty Ltd (AE) is a wholly owned subsidiary of Auris Minerals Limited.

- 1. Ascidian Prospecting Pty Ltd hold a 1% gross revenue royalty from the sale of all minerals.
- 2. Peak Hill Sale Agreement: AE 80%, Jackson Minerals Pty Ltd 20% & free carried to a decision to mine.
- 3. PepinNini Robinson Range Pty Ltd (PRR) hold a 0.8% gross revenue royalty from the sale or disposal of iron ore.
- 4. PRR hold a 1.0% gross revenue royalty from the sale or disposal of iron ore.
- 5. Earning 70% JV interest.
- 6. Westgold Resources Limited owns gold mineral rights over the AE interest.
- 7. AE 85% beneficial interest, Omni Projects Pty Ltd 15% beneficial interest.
- 8. Sandfire Resources NL Earn-in Agreement with rights to earn 70% interest.

Table 5: Summary of geology intersected in DD drilling at Frenchy's Patch during Q2, 2019

Hole ID	EOH (m)	Geology	Mineralisation
MWDD0005	441.4	158 – 252.5m – Mixed sedimentary package of quartz arenite and siltstones. 252.5 – 254.15m – Dolerite. 254.15 – 262.2m – Siltstone. 262.2 – 262.5m – Dolerite. 262.5 – 312.1m - Mixed sedimentary package of siltstone and sedimentary conglomerate. 312.1 – 423.6m – Dolerite. 423.6 – 431.23m – Actinolite-rich basalt. 431.23 – 432.12m – Graphite (potentially vein graphite). 432.12 – 437.65m – Siltstone. 437.65 – 439m – Graphite (potentially vein graphite). 439 – 441.4m – Siltstone.	No major mineralisation observed. The EM target was identified as a graphite unit.
MWRC0033	532.0	364.4 – 388m – Dolerite. 388 – 388.99m – Graphite (potentially vein graphite). 388.99 – 467.76m – Dolerite. 467.76 – 469.26m – Mudstone. 469.26 – 492.6m – Dolerite. 492.6 – 498.45m – Mudstone. 498.45 – 500.24m – Dolerite. 500.24 – 512.53m – Mudstone. 512.53 – 532m – Dolerite.	No major mineralisation observed. The EM target was identified as a graphite unit.

Table 6: Summary of geology intersected in RC drilling during Q2, 2019.at Frenchy's Prospect

Hole ID	EOH (m)	Geology	Mineralisation
MWRC0025	304	0-12m - Cover. 12-88m - Siltstone. 88 - 304m - Dolerite with patchy strong chlorite alteration and trace disseminated pyrite.	No significant mineralisation observed.
MWRC0026	142	0 – 8m – Cover. 8 – 78m – Dolerite. 78 – 94m – Siltstone. 94 – 142m – Dolerite.	No significant mineralisation observed.
MWRC0027	436	0-21m - Cover. 21-127m - Siltstone and minor quartz arenite. 127-328m - Dolerite. 328-335m - Magnetite rich exhalite sediments with minor jasper and trace blebby pyrite. 335 - 407m - Mixed siltstone, lithic wacke and conglomerate with moderate chlorite alteration. 407-414m - Dolerite. 414-421m - Magnetite rich exhalite sediments with strong chlorite alteration. 421-428m - Dolerite. 428-436m - Siltstone.	328 – 335m – Trace blebby pyrite (<1%).
MWRC0028	226	0 – 136m – Siltstone and minor quartz wacke.  136 – 154m – Oxidised siltstone and a significant fault zone.  154 – 173m – Siltstone.  173 – 211m – Moderately chlorite altered siltstone with trace disseminated pyrite.  211 – 226m – Siltstone.	No significant mineralisation observed.
MWRC0029	324	0 – 17m – Cover. 17 – 57m – Quartz arenite. 57 – 178m – Dolerite. 178 – 183m – Basalt. 183 – 255m – Mixed breccia, lithic arenite and siltstone. 255 – 294m – Chlorite altered, fine siltstone and lithic wacke. Trace disseminated pyrite. 294 – 305m – Lithic and quartz wacke. 305 – 324m – Dolerite and minor siltstone.	No significant mineralisation observed.

Page | **18** 

			Page   <b>18</b>
MWRC0030	442	0 – 3m – Cover. 3 – 63m – Basalt. 63 – 103m – Mixed siltstone and basalt. 103 – 139m – Dolerite. 139 – 146m – Magnetite rich exhalite sediments with trace disseminated pyrite. 146 – 225m – Dolerite and basalt. 225m – 257m – Siltstone. 257 – 268m – Dolerite. 268 – 333m – Haematite and magnetite rich exhalite sediments with minor jasper. 333 – 404m – Dolerite and basalt. 404 – 409m – Siltstone. 409 – 442m – Dolerite.	No significant mineralisation observed.
MWRC0031	418	0 – 28m – Cover. 28 – 65m – Siltstone. 65 – 135m – Dolerite. 135 – 146m – Siltstone. 146 – 149m – Dolerite. 149 – 242m – Moderately chloritic siltstone. Trace disseminated pyrite. 242 – 319m – Dolerite. 319 – 340m – Siltstone. 340 – 418m – Dolerite.	No significant mineralisation observed.
MWRC0032	178	0 – 13m – Cover. 13 – 178m – Siltstone with lesser lithic and quartz wacke.	No significant mineralisation observed.
MWRC0033	364	0 – 4m – Cover. 4 – 93m – Siltstone. 93 – 127m – Mafic derived breccia. 127 – 180m – Strongly chlorite altered siltstone. 180 – 188m – Mixed siltstone and basalt. 188 – 195m – Mafic derived breccia. 195 – 340m – Siltstone. 340 – 364m – Dolerite.	No significant mineralisation observed.
MWRC0034	202	0 – 93m – Mixed siltstone and quartz wacke. 93 – 103m – Mafic derived breccia. 103 – 109m – Siltstone. 109 – 140m – Dolerite. 140 – 167m – Mafic derived conglomerate. 167 – 169m – Strongly chlorite altered siltstone. 169 – 202m – Mafic derived conglomerate.	No significant mineralisation observed.

# 26 JULY 2019

Page **| 19** 

1			Page   19
MWRC0035	334	0 – 13m – Cover.  13 – 91m – Dolerite.  91 – 185m – Mafic derived conglomerate.  185 – 195m – Strongly sericite and chlorite altered basalt with minor disseminated pyrite.  195 – 202m – Dolerite.  202 – 334m – Mixed siltstone with lesser quartz wacke and breccia. Sporadic moderate-strong chlorite alteration and trace disseminated pyrite.	185 – 195m – Minor disseminated pyrite (~2%).
MWRC0036	322	<ul> <li>0 - 42m - Cover.</li> <li>42 - 210m - Dolerite and granophyric dolerite with trace brecciation.</li> <li>210 - 322m - Siltstone and sedimentary derived conglomerate with basaltic clasts.</li> </ul>	231 – 233m – Minor disseminated pyrite (~5%).
MWRC0037	382	0-12m - Cover.  12-51m - Dolerite.  51 - 92m - Sedimentary conglomerate with mafic clasts.  92-101m - Dolerite.  101 - 115m - Mixed sediment package of siltstone, conglomerate and wacke.  115-132m - Dolerite.  132-200m - Siltstone and conglomerate.  200-222m - Dolerite.  222-308m - Siltstone.  308 - 348m - Chlorite altered siltstone with minor pyrite throughout.  348-358m - Siltstone.  358-382m - Dolerite.	308 – 348m – Minor disseminated pyrite (~5%).
MWRC0038	382	0 – 4m – Cover. 4 – 80m – Siltstone. 80 – 153m – Dolerite. 153 – 157m – Siltstone. 157 – 164m – Basalt. 164 – 186m – Siltstone and quartz veining. 186 – 277m – Dolerite. 277 – 293m – Siltstone. 293 – 382m – Dolerite.	No significant mineralisation observed.
MWRC0039	69 (abandoned)	0 – 67m – Cover. 67 – 69m – Black shale and quartz veining.	No significant mineralisation observed.

# 26 JULY 2019

Page **| 20** 

			0 1
MWRC0040	424	0 – 14m – Cover.  14 – 100m – Dolerite.  100 – 108m – Siltstone.  108 – 117m – Dolerite.  117 – 145m – Lithic wacke and sedimentary breccia with mafic clasts.  145 – 148m – Magnetite rich exhalite.  148 – 161m – Chlorite rich siltstone.  161 – 182m – Jasper rich exhalite.  182 – 186m – Siltstone.  186 – 208m – Basalt.  208 – 232m – Siltstone and sedimentary breccia with mafic clasts.  232 – 424m – Dolerite and granophyric dolerite.	No significant mineralisation observed.
MWWE011	120	0 – 120m – Mixed sedimentary package of siltstone, quartz wacke and sedimentary breccia.	No significant mineralisation observed.
MWDD0005	158 (RC pre-collar)	0 – 158m – Mixed sedimentary package of siltstone, quartz wacke and sedimentary breccia.	No significant mineralisation observed.