

20 April 2021

# SANDFIRE JV UPDATE MARCH 2021 QUARTER

#### **MORCK WELL JV**

- Air Core drilling continues with 290 holes completed for 23,136 metres
- Significant gold results from the regional 800 x 100m-spaced, infill Air Core drilling completed during the quarter include:
  - 10m at 2.05g/t Au from 65m incl 5m at 3.01g/t Au from 65m MWAC3574
  - o 5m at 0.89g/t Au from 50m MWAC3545
- Significant results are immediately adjacent to Auris' 100%-owned Feather Cap
   Project best intersections are only ~100m from Feather Cap boundary
- Planning and approvals underway by both SFR and Auris for further Air Core drilling within the project area to investigate potential mineralised extensions
- All significant results from regional Air Core drilling completed during 2020 and to date in 2021, remain open along strike to the east and west for at least 800 metres
- Gold potential of the area is further highlighted by Westgold Resources' 112,000 ounce Durack Gold Resource\* located west of Morck Well JV and Durack East
- Infill Air Core and RC drilling being planned to further evaluate significant results
- ~400 Air Core drill holes remain to be drilled in the current programme

Gold and Base Metals explorer Auris Minerals Limited ("Auris" or "the Company") (ASX: AUR) is pleased to provide the following update on exploration completed by Sandfire Resources Limited ("Sandfire"; ASX: SFR) during the March quarter at the Morck Well Joint Venture Project located in the Bryah Basin, Western Australia.

#### MORCK WELL JV (SFR earning a 70% interest)

### **Project Summary**

In February 2018, Auris entered a Farm-in Agreement with SFR in relation to the Morck Well and Doolgunna Projects which covers ~430km². The Morck Well project is strategically located ~22km to the south-west of SFR's DeGrussa Copper Mine in Western Australia.

#### **Air Core Drilling**

Regional Air Core (AC) drilling continued within the Morck Well JV during the March quarter, with a total of 290 holes for 23,136 metres, (MWAC3543 – MWAC3600, MWAC3626 – MWAC3856, Appendix 1, Figure 2), completed.

The completed drilling represents a significant portion of the broader 800 x 100m infill AC drill program across the Morck Well project area designed to provide high quality lithogeochemical samples and assistance with delineation of stratigraphy. All holes are located within the JJAC native title claim.

Results were received for a total of 132 AC drill holes (MWAC3543 - MWAC3590, MWZC3627 -MWAC3642, MWAC3659 - MWAC3726) and results pending for 158 holes (MWAC3591 -MWAC33600, MWAC3626, MWAC3643 - MWAC3758).

Auris Managing Director, Mike Hendriks, commented: "Morck Well continues to prove itself as an exciting target and we are delighted with SFR's continued aggressive approach to exploration, including plans to infill previous significant results, in their quest to find the next major copper/gold discovery in the Bryah Basin.

Morck Well's potential value is further highlighted by its very close proximity to our 100% owned Feather Cap Project, where recent drilling has intersected encouraging gold grades, and the 112,000oz Durack resource owned by Westgold Resources Limited which is along strike. We look forward to receiving results from the upcoming round of drilling this quarter, in what is shaping as a busy period for Auris."

#### **Durack Gold Resource** Lower Narracoota Upper Narracoota Formation 112,000 Oz Westgold 85% 20m @ 3.01g/t Au from 40m 2 km incl 4m @ 10.7g/t Au from 40m JR60\*\* 4m @ 0.69g/t Au from 141m incl 2m @ 1.26g/t Au from 142m DFAC0009\*\* 10m @ 0.88g/t Au from 110m E52/1613 incl 5m @ 1.13g/t Au from 110m 100% MWAC2691^ **AURIS** 5m @ 4.76g/t Au from 70m MWAC2682\* 10m @ 1.25g/t Au from 110m MWAC2679\* ARGET 5m @ 0.52g/t Au from 80m 35m @ 1.8g/t Au from 32m MWAC2940^ incl 8m @ 5.19g/t Au from 32m JRB43 \*\* 10m @ 2.05g/t Au from 65m incl 5m @ 3.01g/t Au from 65m MWAC3574 Maximum Gold in Drilling <0.1g/t Au 2m @ 1.22g/t Au from 110m ■ 0.1-0.5ppm Au MWAC2668 (EOH)\* 0.5-1.0g/t Au 1.0-5.0g/t Au >5.0a/t Au 5m @ 0.89g/t Au from 50m MWAC3545 Air Core Drilling - Assays Pending

#### All significant intersections are reported in Table 1.

Figure 1. Drilling Summary Plan - Morck Well West Project

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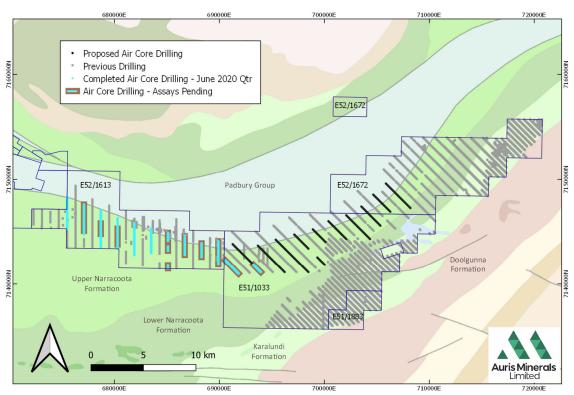


Figure 2. Morck Well Project Summary Geology Plan showing extent of drilling completed and proposed Air Core drilling remaining.

Table 1. Significant composite intervals returned from infill Air Core Morck Well JV AC

	From	То	Interval				
Hole ID	(m)	(m)	(m)	Cu (ppm)	Au (ppm)	Zn (ppm)	Pb (ppm)
MWAC3545	50	55	5	32	0.89	14	14
MWAC3574	65	75	10	91	2.05	14	25
including	65	70	5	39	3.01	9	3

Notes -

Durack Gold Resource – \*Refer WGX announcement dated 4 September 2017

- ^ Refer ASX announcement 17 July 2020
- \* Refer ASX announcement 23 October 2020
- \*\* Refer ASX announcement 28 October 2020
- \*\*\* Refer ASX announcement 28 January 2021

A composite gold result of **10 metres at 2.05g/t Au from 65 metres including 5 metres at 3.01g/t Au from 65 metres** was returned in AC drill hole, MWAC3574, (Figure 1 and Table 1). This intercept was returned from drilling completed in the west of the project area, on a drill line 800m west of previous AC drilling completed by Sandfire, which previously returned significant gold results including 2m @ 1.22g/t Au from 110m (MWAC2668) and 10m @ 1.25g/t Au from 110m (MWAC2679)(Refer ASX announcement 23 October 2020). Additional heritage surveys have been planned for clearance of infill AC drilling at a 400m-line spacing, which is designed to further evaluate the significant gold anomalism within the area.

To the west of the Morck Well Project, drilling completed by Auris within the Feather Cap Project during December 2020 (Refer ASX announcement 28 January 2021) returned an encouraging result of 4m @ 0.69g/t Au from 141m including 2m @ 1.26g/t Au from 142m (DEAC0009) interpreted to be

located along strike from the Durack resource to the west and significant AC intersections within previous Sandfire drilling in Morck Well JV to the east.

In summary, the completed AC drilling at Durack East and within Morck Well, completed by Auris and Sandfire, has identified significant mineralisation along interpreted mineralised trends which require further evaluation via infill AC drilling. Auris plans to complete further AC drilling along the 1.7km prospective trend between the December 2020 AC drilling and the Durack Resource tenement boundary to further evaluate the gold potential of the mineralised trends.

#### **Geological Understanding**

Drilling of the regional first-pass  $1,600 \times 100 \text{m}$  and subsequent  $800 \times 100 \text{m}$  AC programs has identified lithologies from the Narracoota Formation. To the north of the project area, sediments of the overlying Wilthorpe Formation were identified.

Geological interpretation through the Morck Well project area is currently ongoing.

## **Ongoing and Forecast Work**

Approximately 400 AC holes remain to be drilled as part of the infill 800 x 100m-spaced program.

Additional heritage surveys have been planned to narrow the line spacing to 400m over prospective stratigraphy to enable the follow-up of gold and base metal anomalies identified in the 1,600m and 800m spaced programs. Any follow-up RC drilling will be planned thereafter.

At Cuba, within tenement E52/2438, a 130 hole program has been planned to infill sections of the Central Volcanics that have previously been inconsistently tested with shallow AC and RAB drilling, with the aim of more accurately defining the interpreted Karalundi Formation and Narracoota Formation stratigraphy.

-ENDS-

For and on behalf of the Board.

Mike Hendriks
Managing Director

For Further information please contact: Mike Hendriks Managing Director

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#### **ABOUT AURIS MINERALS LIMITED**

Auris is exploring for base metals and gold in the Bryah Basin of Western Australia. Auris has consolidated a tenement portfolio of 1,410km², which is divided into eight well-defined project areas: Forrest, Cashman, Cheroona, Doolgunna, Morck Well, Feather Cap, Milgun and Horseshoe Well, (Figure 3).

In February 2018, Auris entered a Farm-in Agreement with Sandfire in relation to the Morck Well and Doolgunna Projects which covers ~430km² (the Morck Well JV). During September 2019, Auris entered into a Farm-in with Sandfire in relation to the Cashman Project tenements, E51/1053 and E51/1120, (the Cashman JV). On 4 February 2020 Auris and Northern Star Resources Limited (NST) entered into a Farm-in with Sandfire in relation to the Cheroona Project tenements, E51/1391, E51/1837 and E51/1838, (the Cheroona JV). Sandfire has the right to earn a 70% interest in each of above projects upon completion of a Feasibility Study on a discovery of not less than 50,000t contained copper (or metal equivalent) on the project. Auris manages exploration on all other tenements, including those that are subject to arrangements with third parties.

Auris has entered into a Share Purchase Agreement to acquire Sandfire's interest in the Sams Creek Gold Project in New Zealand, (Figure 4), held through its wholly owned subsidiary Sams Creek Gold Limited. The Sams Creek Gold Project is located in the northwest of the South Island of New Zealand and comprises two exploration permits, EP 40 338 (currently held joint venture with OceanaGold Corporation (ASX: OGC) (20%) and SCGL (80%)) and EP 54 454 (SCGL 100%), (refer ASX Announcement dated 30 September 2020).

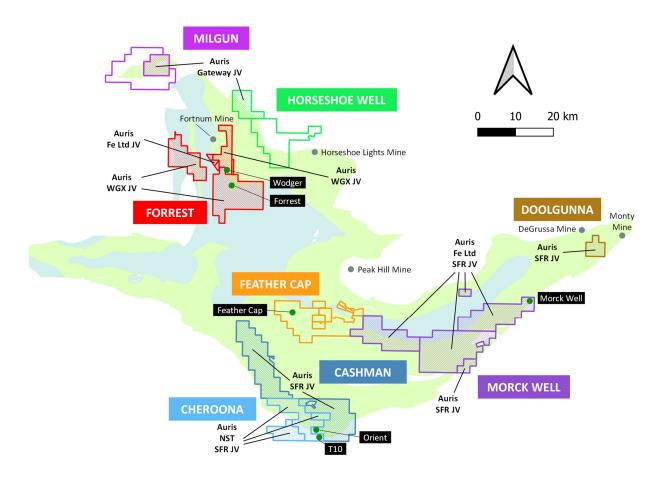


Figure 3: Auris' copper-gold exploration tenement portfolio, with Sandfire (SFR), Northern Star (NST), Westgold (WGX), Fe Ltd and Gateway JV areas indicated

#### Notes:

3.

- 1. The Forrest Project tenements E52/1659 and E52/1671 have the following outside interests:
  - Auris 80%; Westgold Resources Ltd 20% (ASX:WGX). Westgold Resources Ltd interest is free carried until a Decision to Mine
  - Westgold Resources Ltd own the gold rights over the Auris interest.
- 2. The Forrest Project tenement P52/1493 have the following outside interests:
  - Westgold Resources Ltd own the gold rights over the Auris interest.
  - The Forrest Project tenements P52/1494-1496 have the following outside interests:
    - Auris 80%; Fe Ltd 20% (ASX:FEL). Fe Ltd interest is free carried until a Decision to Mine
- 4. The Cheroona Project tenements E51/1391, E51/1837-38 have the following outside interests:
  - Auris 70%; Northern Star Resources Ltd 30% (ASX:NST)
- 5. The Horseshoe Well Project tenement E52/3291 has the following outside interests:
  - Auris 85%; Gateway Projects WA Pty Ltd (formerly OMNI Projects Pty Ltd) 15% (Gateway Projects free carried until a Decision to Mine)
- 6. The Milgun Project tenement E52/3248 has the following outside interests:
  - Auris 85%; Gateway Projects WA Pty Ltd (formerly OMNI Projects Pty Ltd) 15% (Gateway Projects free carried until a Decision to Mine)
- 7. The Morck Well Project tenements E51/1033, E52/1613 and E52/1672 have the following outside interests:
  - Auris 80%; Fe Ltd 20% (ASX:FEL). Fe Ltd interest is free carried until a Decision to Mine

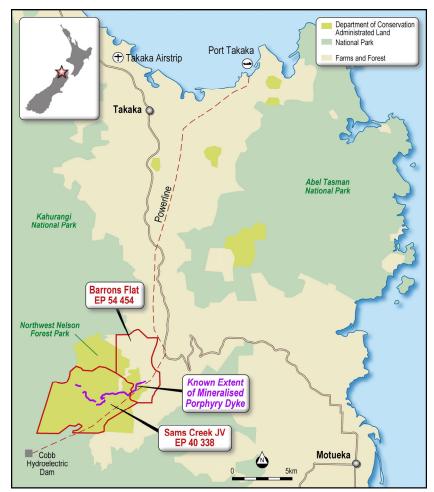


Figure 4: Sams Creek Gold Project exploration permit portfolio

#### **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, 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.

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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.

Appendix 1
Drill Hole Collars Details

	Drill Hole Collars Details							
Hole ID	Hole Type	Total Depth	Easting (MGA94_Z51)	Northing (MGA94_Z51)	RL (m)	Dip	Azimuth	Tenement
MWAC3543	AC	159	675500	7145300	528.289	-60	180	E52/1613
MWAC3544	AC	165	675500	7145400	528.212	-60	180	E52/1613
MWAC3545	AC	86	675500	7145500	528.153	-60	180	E52/1613
MWAC3546	AC	165	675500	7145600	528.409	-60	180	E52/1613
MWAC3547	AC	117	675500	7145700	528.718	-60	180	E52/1613
MWAC3548	AC	165	675500	7145800	528.888	-60	180	E52/1613
MWAC3549	AC	165	675500	7145900	529	-60	180	E52/1613
MWAC3550	AC	165	675500	7146000	529.112	-60	180	E52/1613
MWAC3551	AC	61	675500	7146100	529.317	-60	180	E52/1613
MWAC3552	AC	5	678700	7143500	541.229	-60	180	E52/1613
MWAC3553	AC	1	678700	7143600	541.906	-60	180	E52/1613
MWAC3554	AC	3	678700	7143700	542.396	-60	180	E52/1613
MWAC3555 MWAC3556	AC AC	2 2	678704 678700	7143788 7143900	542.753 543.102	-60 -60	180 180	E52/1613 E52/1613
MWAC3557	AC	34	678700	7144000	543.401	-60	180	E52/1613
MWAC3558	AC	44	678700	7144100	543.727	-60	180	E52/1613
MWAC3559	AC	103	678700	7144200	543.968	-60	180	E52/1613
MWAC3560	AC	165	678700	7144300	543.976	-60	180	E52/1613
MWAC3561	AC	123	678700	7144400	543.984	-60	180	E52/1613
MWAC3562	AC	121	678700	7144500	543.99	-60	180	E52/1613
MWAC3563	AC	52	675500	7146095	529.317	-60	180	E52/1613
MWAC3564	AC	165	675500	7146090	529.317	-60	180	E52/1613
MWAC3565	AC	165	675500	7146200	529.542	-60	180	E52/1613
MWAC3566	AC	147	675500	7146300	529.757	-60	180	E52/1613
MWAC3567	AC	165	675500	7146400	529.93	-60	180	E52/1613
MWAC3568	AC	165	675500	7146500	530.106	-60	180	E52/1613
MWAC3569	AC	144	675500	7146600	530.239	-60	180	E52/1613
MWAC3570	AC	142	675500	7146700	530.176	-60	180	E52/1613
MWAC3571	AC	155	675500	7146800	530.113	-60	180	E52/1613
MWAC3572	AC	139	675500	7146900	530.268	-60	180	E52/1613
MWAC3573	AC	165	675500	7147000	530.434	-60	180	E52/1613
MWAC3574	AC	102	675500	7147100	530.593	-60	180	E52/1613
MWAC3575	AC	111	675500	7147200	530.815	-60	180	E52/1613
MWAC3576 MWAC3577	AC AC	124 139	675500 675500	7147300 7147400	531.057 531.262	-60 -60	180 180	E52/1613
MWAC3578	AC	120	675500	7147500	531.202	-60	180	E52/1613 E52/1613
MWAC3578	AC	106	675500	7147600	531.345	-60	180	E52/1613
MWAC3580	AC	165	675500	7147700	531.565	-60	180	E52/1613
MWAC3581	AC	142	675500	7147800	531.906	-60	180	E52/1613
MWAC3582	AC	132	675500	7147900	532.256	-60	180	E52/1613
MWAC3583	AC	156	675500	7148000	532.627	-60	180	E52/1613
MWAC3584	AC	153	675500	7148100	532.998	-60	180	E52/1613
MWAC3585	AC	165	675500	7148200	533.415	-60	180	E52/1613
MWAC3586	AC	123	675500	7148300	533.901	-60	180	E52/1613
MWAC3587	AC	52	675501	7145677	549.049	-60	180	E52/1613
MWAC3588	AC	40	678700	7144600	543.996	-60	180	E52/1613
MWAC3589	AC	165	678675	7144547	543.996	-60	180	E52/1613
MWAC3590	AC	145	678700	7144700	544.001	-60	180	E52/1613
MWAC3591	AC	37	678700	7144800	544.375	-60	180	E52/1613
MWAC3592	AC	21	678700	7144900	544.75	-60	180	E52/1613
MWAC3593	AC	51	678695	7144994	544.876	-60	180	E52/1613
MWAC3594	AC	73	678700	7145100	544.555	-60	180	E52/1613
MWAC3595	AC	102	678700	7145200	544.234	-60	180	E52/1613
MWAC3596	AC	144	678700	7145300	543.664	-60	180	E52/1613
MWAC3597	AC AC	73	678700	7145400	542.977	-60	180	E52/1613
MWAC3598	AC AC	129	678700	7145500	542.279	-60 -60	180	E52/1613
MWAC3599 MWAC3600	AC AC	165 165	678700 678700	7145600 7145700	541.508 540.739	-60	180 180	E52/1613 E52/1613
MWAC3626	AC	165	678700	7145700	540.759	-60	180	E52/1613
MWAC3627	AC	135	678700	7145900	540.016	-60	180	E52/1613
MWAC3628	AC	107	678700	7146000	539.863	-60	180	E52/1613
MWAC3629	AC	97	678700	7146100	540.067	-60	180	E52/1613
MWAC3630	AC	84	678700	7146200	540.387	-60	180	E52/1613
		·	2.2.00					,

Hole ID	Hole	Total	Easting	Northing	RL (m)	Dip	Azimuth	Tenement
	Type	Depth	(MGA94_Z51)	(MGA94_Z51)	` '	·		
MWAC3631	AC	165	678700	7146205	540.387	-60	180	E52/1613
MWAC3632	AC AC	129 121	678700 678700	7146300 7146500	540.675	-60 -60	180 180	E52/1613
MWAC3633 MWAC3634	AC	109	678700	7146500	540.903 540.752	-60	180	E52/1613 E52/1613
MWAC3635	AC	109	678700	7146700	540.414	-60	180	E52/1613
MWAC3636	AC	146	678700	7146800	540.077	-60	180	E52/1613
MWAC3637	AC	110	678700	7146900	540.366	-60	180	E52/1613
MWAC3638	AC	114	678700	7147000	540.648	-60	180	E52/1613
MWAC3639	AC	39	680300	7143400	532.087	-60	180	E52/1613
MWAC3640	AC	59	680300	7143500	532.675	-60	180	E52/1613
MWAC3641	AC	84	680300	7143600	533.262	-60	180	E52/1613
MWAC3642	AC	165	680300	7143700	533.841	-60	180	E52/1613
MWAC3643	AC	141	680300	7143800	534.394	-60	180	E52/1613
MWAC3644	AC AC	133 92	680300 680300	7143900 7144000	534.947	-60 -60	180 180	E52/1613
MWAC3645 MWAC3646	AC	91	680300	7144000	535.634 536.342	-60	180	E52/1613 E52/1613
MWAC3647	AC	92	680300	7144200	536.965	-60	180	E52/1613
MWAC3648	AC	99	680300	7144300	537.331	-60	180	E52/1613
MWAC3649	AC	165	680300	7144400	537.697	-60	180	E52/1613
MWAC3650	AC	100	680300	7144500	538.152	-60	180	E52/1613
MWAC3651	AC	110	680300	7144600	538.636	-60	180	E52/1613
MWAC3652	AC	93	680300	7144700	539.12	-60	180	E52/1613
MWAC3653	AC	126	680300	7144800	539.471	-60	180	E52/1613
MWAC3654	AC	105	680300	7144900	539.813	-60	180	E52/1613
MWAC3655	AC	87	680300	7145000	540.162	-60	180	E52/1613
MWAC3656	AC	82	680300	7145100	540.523	-60	180	E52/1613
MWAC3657 MWAC3658	AC AC	52 30	680300 680300	7145200 7145300	540.884 541.236	-60 -60	180 180	E52/1613 E52/1613
MWAC3659	AC	32	680300	7145300	541.236	-60	180	E52/1613 E52/1613
MWAC3660	AC	35	680300	7145500	541.96	-60	180	E52/1613
MWAC3661	AC	65	680300	7145600	542.678	-60	180	E52/1613
MWAC3662	AC	44	680300	7145700	543.396	-60	180	E52/1613
MWAC3663	AC	81	680300	7145800	544.118	-60	180	E52/1613
MWAC3664	AC	80	680300	7145900	544.846	-60	180	E52/1613
MWAC3665	AC	77	680300	7146000	545.575	-60	180	E52/1613
MWAC3666	AC	71	680300	7146100	546.2	-60	180	E52/1613
MWAC3667	AC	83	680300	7146200	546.818	-60	180	E52/1613
MWAC3668 MWAC3669	AC AC	94	680300 681900	7146300 7142800	547.492 530.712	-60 -60	180 180	E52/1613 E52/1613
MWAC3670	AC	1	681900	7142900	530.712	-60	180	E52/1613
MWAC3671	AC	5	681900	7143000	530.698	-60	180	E52/1613
MWAC3672	AC	4	681900	7143100	530.667	-60	180	E52/1613
MWAC3673	AC	3	681900	7143200	530.644	-60	180	E52/1613
MWAC3674	AC	4	681900	7143300	530.689	-60	180	E52/1613
MWAC3675	AC	165	681900	7143500	531.029	-60	180	E52/1613
MWAC3676	AC	165	681900	7143600	531.283	-60	180	E52/1613
MWAC3677	AC	165	681900	7143700	531.65	-60	180	E52/1613
MWAC3678	AC	165	681900	7143800	532.199	-60	180	E52/1613
MWAC3679	AC	165	681900	7143900	532.713	-60 60	180	E52/1613
MWAC3680 MWAC3681	AC AC	165 121	681900 681900	7144000 7144100	533.353 534.013	-60 -60	180 180	E52/1613 E52/1613
MWAC3682	AC	91	681900	7144100	534.013	-60	180	E52/1613 E52/1613
MWAC3683	AC	165	681900	7144300	535.517	-60	180	E52/1613
MWAC3684	AC	125	681900	7144400	536.384	-60	180	E52/1613
MWAC3685	AC	87	681900	7144500	537.342	-60	180	E52/1613
MWAC3686	AC	165	681900	7144600	538.466	-60	180	E52/1613
MWAC3687	AC	108	681900	7144700	539.591	-60	180	E52/1613
MWAC3688	AC	165	681900	7144800	539.58	-60	180	E52/1613
MWAC3689	AC	44	681900	7144900	539.489	-60	180	E52/1613
MWAC3690	AC	40	681900	7145000	539.583	-60	180	E52/1613
MWAC3691	AC	68	681900	7145100	540.085	-60	180	E52/1613
MWAC3692	AC	25	681900	7145200	540.587	-60 60	180	E52/1613
MWAC3693 MWAC3694	AC AC	101 34	681900 681900	7145300 7145400	541.476 542.601	-60 -60	180 180	E52/1613 E52/1613
MWAC3695	AC	12	681900	7145400	543.728	-60	180	E52/1613
MWAC3696	AC	7	681900	7145600	544.748	-60	180	E52/1613
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Hele ID	Hole	Total	Easting	Northing	DI (m)	Div	0 minos sala	Tanamant
Hole ID	Туре	Depth	(MGA94_Z51)	(MGA94_Z51)	RL (m)	Dip	Azimuth	Tenement
MWAC3697	AC	4	681900	7145700	545.751	-60	180	E52/1613
MWAC3698	AC	52	681900	7145800	546.842	-60	180	E52/1613
MWAC3699	AC	22	683500 683500	7143000	541.254	-60	180	E52/1613
MWAC3700 MWAC3701	AC AC	4	683500	7143100 7143200	538.997 538.601	-60 -60	180 180	E52/1613 E52/1613
MWAC3701	AC	17	683500	7143300	538.792	-60	180	E52/1613
MWAC3703	AC	8	683500	7143400	539.071	-60	180	E52/1613
MWAC3704	AC	53	683500	7143500	539.718	-60	180	E52/1613
MWAC3705	AC	139	683500	7143600	540.364	-60	180	E52/1613
MWAC3706	AC	28	683500	7143700	540.705	-60	180	E52/1613
MWAC3707	AC	8	683500	7143800	541.016	-60	180	E52/1613
MWAC3708	AC	10 12	683500	7143900	541.328	-60	180	E52/1613
MWAC3709 MWAC3710	AC AC	16	683500 683500	7144000 7144100	541.885 542.465	-60 -60	180 180	E52/1613 E52/1613
MWAC3711	AC	34	683500	7144200	543.324	-60	180	E52/1613
MWAC3712	AC	111	683500	7144300	544.603	-60	180	E52/1613
MWAC3713	AC	90	683500	7144400	545.884	-60	180	E52/1613
MWAC3714	AC	82	683500	7144500	547.113	-60	180	E52/1613
MWAC3715	AC	100	683500	7144390	545.884	-60	180	E52/1613
MWAC3716	AC	55	683500	7144600	548.187	-60	180	E52/1613
MWAC3717	AC	81	683500	7144700	549.386	-60	180	E52/1613
MWAC3718	AC	46	683500	7144800	548.555 548.101	-60	180	E52/1613
MWAC3719 MWAC3720	AC AC	7 13	683500 683500	7144900 7145000	548.101	-60 -60	180 180	E52/1613 E52/1613
MWAC3721	AC	3	683500	7145100	547.956	-60	180	E52/1613
MWAC3722	AC	13	683500	7145200	548.039	-60	180	E52/1613
MWAC3723	AC	33	683500	7145300	548.398	-60	180	E52/1613
MWAC3724	AC	165	677100	7144800	536.25	-60	180	E52/1613
MWAC3725	AC	165	677100	7144900	536.227	-60	180	E52/1613
MWAC3726	AC	165	677100	7145000	536.214	-60	180	E52/1613
MWAC3727	AC AC	165	677100	7145100	536.22	-60	180	E52/1613
MWAC3728 MWAC3729	AC	165 165	677100 677100	7145200 7145300	536.225 536.04	-60 -60	180 180	E52/1613 E52/1613
MWAC3729	AC	165	677100	7145400	535.784	-60	180	E52/1613
MWAC3731	AC	153	677100	7145500	535.619	-60	180	E52/1613
MWAC3732	AC	129	677100	7145600	535.582	-60	180	E52/1613
MWAC3733	AC	101	677100	7145700	535.545	-60	180	E52/1613
MWAC3734	AC	111	677100	7145800	535.537	-60	180	E52/1613
MWAC3735	AC	83	677100	7145900	535.565	-60	180	E52/1613
MWAC3736	AC	99	677100	7146000	535.593	-60	180	E52/1613
MWAC3737 MWAC3738	AC AC	121 144	677100 677100	7146100 7146200	535.562 535.516	-60 -60	180 180	E52/1613 E52/1613
MWAC3738	AC	124	677100	7146300	535.510	-60	180	E52/1613
MWAC3740	AC	115	677100	7146400	535.734	-60	180	E52/1613
MWAC3741	AC	112	677100	7146500	535.955	-60	180	E52/1613
MWAC3742	AC	102	677100	7146600	536.261	-60	180	E52/1613
MWAC3743	AC	109	677100	7146700	536.634	-60	180	E52/1613
MWAC3744	AC	138	677100	7146800	537.008	-60	180	E52/1613
MWAC3745	AC	165	677100	7146900	537.355	-60	180	E52/1613
MWAC3746 MWAC3747	AC AC	127 115	677100 677100	7147000 7147100	537.729 538.054	-60 -60	180 180	E52/1613 E52/1613
MWAC3747	AC	130	677100	7147100	538.054	-60	180	E52/1613 E52/1613
MWAC3749	AC	165	677100	7147300	538.658	-60	180	E52/1613
MWAC3750	AC	81	677100	7147400	538.837	-60	180	E52/1613
MWAC3751	AC	100	677100	7147500	538.944	-60	180	E52/1613
MWAC3752	AC	82	677100	7147600	539.052	-60	180	E52/1613
MWAC3753	AC	23	685100.201	7144133.132	534.404	-60	180	E52/1613
MWAC3754	AC AC	3	685100.327	7144214.707	535.134	-60 60	180	E52/1613
MWAC3754A MWAC3755	AC AC	90 165	685100.23 685100	7144209.704 7144300	534.404 536.142	-60 -60	180 180	E52/1613 E52/1613
MWAC3756	AC	120	685100	7144300	537.22	-60	180	E52/1613
MWAC3757	AC	39	685100	7144500	538.208	-60	180	E52/1613
MWAC3758	AC	39	685100	7144600	539.22	-60	180	E52/1613
MWAC3759	AC	48	685100	7144700	540.232	-60	180	E52/1613
MWAC3760	AC	90	685100	7144800	540.933	-60	180	E52/1613
MWAC3761	AC	95	685100	7144900	541.598	-60	180	E52/1613

Hole ID	Hole	Total	Easting	Northing	RL (m)	Dip	Azimuth	Tenement
	Type	Depth	(MGA94_Z51)	(MGA94_Z51)	` '	·		
MWAC3762	AC	14	686700	7142800	524.174	-60	180	E52/1613
MWAC3763 MWAC3764	AC AC	18 47	686700 686700	7142900 7143000	524.708 525.209	-60 -60	180 180	E52/1613 E52/1613
MWAC3765	AC	65	686700	7143000	525.726	-60	180	E52/1613
MWAC3766	AC	119	686700	7143200	526.105	-60	180	E52/1613
MWAC3767	AC	76	686700	7143300	526.492	-60	180	E52/1613
MWAC3768	AC	159	686700	7143400	526.878	-60	180	E52/1613
MWAC3769	AC	126	686700	7143500	527.251	-60	180	E52/1613
MWAC3770	AC	51	686700	7143600	527.615	-60	180	E52/1613
MWAC3771	AC	70	686700	7143700	527.862	-60	180	E52/1613
MWAC3772	AC	61	686700	7143800	528.205	-60	180	E52/1613
MWAC3773	AC AC	60 85	686700 686700	7143900 7144000	528.581 528.969	-60 -60	180 180	E52/1613 E52/1613
MWAC3774 MWAC3775	AC	19	686700	7144000	529.328	-60	180	E52/1613 E52/1613
MWAC3776	AC	16	686700	7144200	529.735	-60	180	E52/1613
MWAC3777	AC	78	686700	7144300	530.155	-60	180	E52/1613
MWAC3778	AC	35	686700	7144400	530.493	-60	180	E52/1613
MWAC3779	AC	27	686700	7144500	530.922	-60	180	E52/1613
MWAC3780	AC	3	686700	7144600	531.385	-60	180	E52/1613
MWAC3781	AC	108	689900	7141900	526.041	-60	180	E52/1613
MWAC3782	AC	165	689900	7142000	526.012	-60	180	E52/1613
MWAC3783	AC	51	689900	7142100	526.15	-60	180	E52/1613
MWAC3784	AC AC	24 100	689900 689900	7142200 7142300	526.542 526.938	-60 -60	180 180	E52/1613 E52/1613
MWAC3785 MWAC3786	AC	67	689900	7142300	526.938	-60	180	E52/1613 E52/1613
MWAC3787	AC	34	689900	7142400	527.251	-60	180	E52/1613
MWAC3788	AC	31	689900	7142600	527.622	-60	180	E52/1613
MWAC3789	AC	21	689900	7142700	527.827	-60	180	E52/1613
MWAC3790	AC	5	689900	7142800	527.992	-60	180	E52/1613
MWAC3791	AC	9	689900	7142900	528.231	-60	180	E52/1613
MWAC3792	AC	5	689900	7143000	528.598	-60	180	E52/1613
MWAC3793	AC	4	689900	7143100	528.822	-60	180	E52/1613
MWAC3794	AC	8	689900	7143200	529.145	-60	180	E52/1613
MWAC3795	AC	45	689900	7143300	529.54	-60	180	E52/1613
MWAC3796 MWAC3797	AC AC	9 14	689900 689900	7143400 7143500	529.889 529.996	-60 -60	180 180	E52/1613 E52/1613
MWAC3797	AC	20	689900	7143600	530.264	-60	180	E52/1613
MWAC3799	AC	25	689900	7143700	530.594	-60	180	E52/1613
MWAC3800	AC	16	689900	7143800	530.878	-60	180	E52/1613
MWAC3801	AC	27	689900	7143900	531.238	-60	180	E52/1613
MWAC3802	AC	10	689900	7144000	531.601	-60	180	E52/1613
MWAC3803	AC	20	689900	7144100	531.964	-60	180	E52/1613
MWAC3804	AC	20	685100	7141500	524.11	-60	180	E52/1613
MWAC3805	AC	33	685100	7141600	524.974	-60	180	E52/1613
MWAC3806 MWAC3807	AC AC	8	685100 685100	7141800 7143300	526.799 530.661	-60 -60	180 180	E52/1613 E52/1613
MWAC3807	AC	66	685100	7143300	530.964	-60	180	E52/1613 E52/1613
MWAC3809	AC	72	685100	7143500	531.331	-60	180	E52/1613
MWAC3810	AC	57	685100	7143600	531.716	-60	180	E52/1613
MWAC3811	AC	2	685100	7143200	530.364	-60	180	E52/1613
MWAC3812	AC	31	691828.693	7140993.838	525.14	-60	135	E51/1033
MWAC3813	AC	53	691760.155	7141065.328	525.08	-60	135	E51/1033
MWAC3814	AC	46	691689.444	7141136.039	524.993	-60	135	E51/1033
MWAC3815	AC	68	691618.734	7141206.75	524.946	-60	135	E51/1033
MWAC3816	AC	66	691548.023	7141277.46	524.973	-60	135	E51/1033
MWAC3817 MWAC3818	AC AC	75 96	691477.312 691406.602	7141348.171 7141418.882	525.052 525.097	-60 -60	135 135	E51/1033 E51/1033
MWAC3819	AC	103	691335.891	7141418.882	525.097	-60	135	E51/1033 E51/1033
MWAC3820	AC	62	691265.18	7141560.303	525.237	-60	135	E51/1033
MWAC3821	AC	96	691194.47	7141631.014	525.478	-60	135	E51/1033
MWAC3822	AC	84	691123.759	7141701.724	525.718	-60	135	E51/1033
MWAC3823	AC	93	691053.048	7141772.435	525.958	-60	135	E51/1033
MWAC3824	AC	81	690982.338	7141843.146	526.034	-60	135	E51/1033
MWAC3825	AC	13	693952.186	7141136.039	529.704	-60	135	E51/1033
MWAC3826	AC	4	693881.475	7141206.75	529.677	-60	135	E51/1033
MWAC3827	AC	4	693810.765	7141277.46	529.652	-60	135	E51/1033

Hole ID	Hole Type	Total Depth	Easting (MGA94_Z51)	Northing (MGA94_Z51)	RL (m)	Dip	Azimuth	Tenement
MWAC3828	AC	22	693740.054	7141348.171	529.64	-60	135	E51/1033
MWAC3829	AC	19	693669.343	7141418.882	529.61	-60	135	E51/1033
MWAC3830	AC	21	693598.633	7141489.592	529.58	-60	135	E51/1033
MWAC3831	AC	18	693527.922	7141560.303	529.561	-60	135	E51/1033
MWAC3832	AC	19	693457.211	7141631.014	529.545	-60	135	E51/1033
MWAC3833	AC	14	693386.501	7141701.724	529.515	-60	135	E51/1033
MWAC3834	AC	13	693315.79	7141772.435	529.485	-60	135	E51/1033
MWAC3835	AC	4	693245.079	7141843.146	529.472	-60	135	E51/1033
MWAC3836	AC	68	690911.627	7141913.856	526.025	-60	135	E51/1033
MWAC3837	AC	73	690840.916	7141984.567	526.017	-60	135	E51/1033
MWAC3838	AC	137	690770.206	7142055.278	526.153	-60	135	E51/1033
MWAC3839	AC	165	690699.495	7142125.988	526.548	-60	135	E51/1033
MWAC3840	AC	51	690628.784	7142196.699	526.768	-60	135	E51/1033
MWAC3841	AC	59	690558.074	7142267.41	526.92	-60	135	E51/1033
MWAC3842	AC	168	690725	7142109	532	-60	135	E51/1033
MWAC3843	AC	1	688300	7142600	528.405	-60	180	E52/1613
MWAC3844	AC	7	688300	7142700	529.362	-60	180	E52/1613
MWAC3845	AC	7	688300	7142800	530.086	-60	180	E52/1613
MWAC3846	AC	7	688300	7142900	530.978	-60	180	E52/1613
MWAC3847	AC	8	688300	7143000	532.206	-60	180	E52/1613
MWAC3848	AC	13	688300	7143100	533.529	-60	180	E52/1613
MWAC3849	AC	41	688300	7143200	534.658	-60	180	E52/1613
MWAC3850	AC	2	688300	7143300	536.135	-60	180	E52/1613
MWAC3851	AC	55	688300	7143400	537.505	-60	180	E52/1613
MWAC3852	AC	81	688300	7143500	538.535	-60	180	E52/1613
MWAC3853	AC	48	688300	7143600	539.856	-60	180	E52/1613
MWAC3854	AC	17	688300	7143700	540.371	-60	180	E52/1613
MWAC3855	AC	84	688300	7143800	540.239	-60	180	E52/1613
MWAC3856	AC	92	688300	7143900	540.193	-60	180	E52/1613

## Appendix 2

# JORC Code, 2012 Edition, Table 1

# (Information provided by Sandfire Resources NL)

**Section 1: Sampling Techniques and Data** 

Criteria	JORC Code Explanation	Commentary
Sampling	Nature and quality of sampling (e.g. cut	AC samples are collected using spear techniques
techniques	channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling.  Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	for both composite and single metre samples.  RC samples are collected by a cone splitter for single metre samples or a sampling spear for first pass composite samples using a face sampling hammer with a nominal 140mm hole.  Sampling of diamond drilling (DD) includes half or quarter-core sampling of NQ2 core.  Sampling is guided by Sandfire protocols and Quality Control (QC) procedures as per industry standard.
	Aspects of the determination of mineralisation that are Material to the Public Report.  In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.	DD Sample size reduction is through a Jaques jaw crusher to -10mm with a second stage reduction via Boyd crusher to -4mm. Representative subsamples are split and pulverised through LM5. AC and RC samples are crushed to -4mm through a Boyd crusher and representative subsamples pulverised via LM5. Pulverising is to nominal 90% passing -75µm and checked using wet sieving technique. Samples are assayed using Mixed 4 Acid Digest (MAD) 0.3g charge and MAD Hotbox 0.15g charge methods with ICPOES or ICPMS. Fire Assay is completed by firing 40g portion of the sample with ICPMS finish.
Drilling techniques	Drill type (e.g. core, reverse circulation, openhole hammer, rotary air blast, auger, Bangka, sonic, etc.) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, facesampling bit or other type, whether core is oriented and if so, by what method, etc.).	All AC drilling was completed with a Drillboss 300 with on-board compressor (700cfm at 400psi) using a nominal 90mm diameter air core drill bit. AC drill collars are surveyed using a Garmin GPS Map 64.  All RC drilling was completed with a Schramm T685 drill rig using a sampling hammer with a nominal 140mm hole diameter.  DD is completed using NQ2 size coring equipment. RC and DD drill collars are surveyed using RTK GPS with down hole surveying.  Downhole surveying is undertaken using a gyroscopic survey instrument.  All core where possible is oriented using a Reflex ACT II RD orientation tool.
Drill sample	Method of recording and assessing core and chip	AC, RC and DD sample recoveries are logged and
recovery	sample recoveries and results assessed.	captured into the database.

Criteria	JORC Code Explanation	Commentary
		DD core recoveries are measured by drillers for
		every drill run. The core length recovered is
		physically
		measured for each run and recorded and used to
		calculate the core recovery as a percentage core
		recovered.
	Measures taken to maximise sample recovery	Appropriate measures are taken to maximise
	and ensure representative nature of the	sample recovery and ensure the representative
	samples.	nature of the samples. This includes diamond core
		being reconstructed into continuous intervals on
		angle iron racks for orientation, metre marking
		and reconciled against core block markers.
		Recovery and moisture content are routinely
		recorded for composite and 1m samples.
		The majority of AC and RC samples collected are
		of good quality with minimal wet sampling in the
	Whathan a valational in action by	project area.
	Whether a relationship exists between sample	No sample recovery issues are believed to have
	recovery and grade and whether sample bias may have occurred due to preferential loss/gain	impacted on potential sample bias. When grades are available the comparison can be completed.
	of fine/coarse material.	are available the comparison can be completed.
Logging	Whether core and chip samples have been	AC and RC chips are washed and stored in chip
LOBBING	geologically and geotechnically logged to a level	trays in 1m intervals.
	of detail to support appropriate Mineral	Geological logging is completed for all holes and
	Resource estimation, mining studies and	representative across the project area. All
	metallurgical studies.	geological fields (i.e. lithology, alteration etc.) are
		logged directly to a digital format following
		procedures and using Sandfire geological codes.
		Data is imported into Sandfire's central database
		after validation in Ocris.
	Whether logging is qualitative or quantitative in	Logging is both qualitative and quantitative
	nature. Core (or costean, channel, etc.)	depending on field being logged.
	photography.	All core and chip trays are photographed.
	The total length and percentage of the relevant	All drill holes are fully logged.
Cub come:	intersections logged.	Core orientation is completed where receible and
Sub-sampling techniques	If core, whether cut or sawn and whether quarter, half or all core taken.	Core orientation is completed where possible and all are marked prior to sampling. Half and quarter
and sample	quarter, han or all tore taken.	core samples are produced using Almonte Core
preparation		Saw. Samples are weighed and recorded.
P Paracion	If non-core, whether riffled, tube sampled,	AC samples consist of 5m composite spear
	rotary split, etc. and whether sampled wet or	samples produced from 1m sample piles.
	dry.	Additional 1m sampling is completed depending
	<i>'</i>	on results from 5m composite samples or where
		mineralisation is observed while drilling is
		occurring.
		RC 1m samples are split using a cone or riffle
		splitter. The majority of RC samples are dry. On
		occasions that wet samples are encountered they
		are dried prior to splitting with a riffle splitter.
	For all sample types, the nature, quality and	All samples are sorted, dried at 80° for up to 24
	appropriateness of the sample preparation	hours and weighed. Samples are Boyd crushed to
	technique.	

Criteria	JORC Code Explanation	Commentary
	Quality control procedures adopted for all subsampling stages to maximise representivity of samples.  Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field	-4mm and pulverised using LM5 mill to 90% passing 75μm. Sample splits are weighed at a frequency of 1:20 and entered into the job results file. Pulverising is completed using LM5 mill to 90% passing 75%μm using wet sieving technique.  1:20 grind quality checks are completed for 90% passing 75%μm criteria to ensure representativeness of sub-samples.  Sampling is carried out in accordance with Sandfire protocols as per industry best practice.
	duplicate/second-half sampling.  Whether sample sizes are appropriate to the grain size of the material being sampled.	The sample sizes are considered appropriate for the VHMS and Gold mineralisation types.
Quality of assay data and laboratory tests		Samples are assayed using Mixed 4 Acid Digest (MAD) 0.3g charge and MAD Hotbox 0.15g charge methods with ICPOES or ICPMS. The samples are digested and refluxed with a mixture of acids including Hydrofluoric, Nitric, Hydrochloric and Perchloric acids and conducted for multi elements including Cu, Pb, Zn, Ag, As, Fe, S, Sb, Bi, Mo, Re, Mn, Co, Cd, Cr, Ni, Se, Te, Ti, Zr, V, Sn, W and Ba. The MAD Hotbox method is an extended digest method that approaches a total digest for many elements however some refractory minerals are not completely attacked. The elements S, Cu, Zn, Co, Fe, Ca, Mg, Mn, Ni, Cr, Ti, K, Na, V are determined by ICPOES, and Ag, Pb, As, Sb, Bi, Cd, Se, Te, Mo, Re, Zr, Ba, Sn, W are determined by ICPMS. Samples are analysed for Au, Pd and Pt by firing a 40g of sample with ICP AES/MS finish. Lower sample weights are employed where samples have very high S contents. This is a classical FA process and results in total separation of Au, Pt and Pd in the samples.  The analytical methods are considered appropriate for this mineralisation style.
	For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc	For DD and RC drilling downhole Electromagnetic (DHEM) Geophysical Surveys have been completed for Sandfire by Merlin Geophysical Solutions. Geophysical survey parameters include:  • Merlin Geophysical Solutions MT-200 and MT-400P transmitters, DigiAtlantis probe and receiver  • 300m x 300m single turn loop, or as appropriate to the geological context.  Moving Loop Electromagnetic (MLEM) surveys have been undertaken by Merlin Geophysical Solutions with the following parameters.

Criteria	JORC Code Explanation	Commentary
	Nature of quality control procedures adopted	<ul> <li>Merlin Geophysical Solutions MT-400P transmitters, Monex Geoscope receiver system</li> <li>200m x 200m single turn loop, or as appropriate to the geological context.</li> <li>Sandfire DeGrussa QAQC protocol is considered</li> </ul>
	(e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.	industry standard with standard reference material (SRM) submitted on regular basis with routine samples. SRMs and blanks are inserted at a minimum of 5% frequency rate.
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel.	Significant intersections have been verified by alternative company personnel.
	The use of twinned holes.  Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.  Discuss any adjustment to assay data.	None of the drill holes in this report are twinned.  Primary data is captured on field "tough book" laptops using Ocris Software. The software has validation routines and data is then imported into a secure central database.  The primary data is always kept and is never
Location of data points	Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.	replaced by adjusted or interpreted data.  The Sandfire Survey team undertakes survey works under the guidelines of best industry practice.  All AC holes are surveyed in the field using a Garmin GPS Map 64. Estimated accuracy of this device is +/- 4m's.  All DD and RC drill collars are accurately surveyed using an RTK GPS system within +/-50mm of accuracy (X,Y,Z). Downhole surveys are completed by gyroscopic downhole methods at regular intervals.
	Specification of the grid system used.	Coordinate and azimuth are reported in MGA 94 Zone 50.
	Quality and adequacy of topographic control.	Topographic control was established using LiDar laser imagery technology.
Data spacing and distribution	Data spacing for reporting of Exploration Results.	First pass AC and drilling is completed at a spacing of 400 m x 100 m.  Infill drilling may be completed at 200 m x 100 m dependant on results.  In areas of observed mineralisation and adjacent to it, hole spacing on drill may be narrowed to 50m.  DD and RC drilling is completed as required to test geological targets. A set pattern is adopted once a zone of economic mineralisation has been broadly defined.
	Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.	Data spacing and distribution is not sufficient to establish the degree of geological and grade continuity appropriate for Mineral Resource estimation.

Criteria	JORC Code Explanation	Commentary
	Whether sample compositing has been applied.	AC and RC samples consist of 5m composite spear samples produced from 1m sample piles.  Additional 1m sampling is completed depending on results from 5m composite samples or where visible mineralisation is observed while drilling is occurring.
Orientation of data in relation to geological	Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.	There is no significant orientation based sampling bias known at this time in the Morck's Well project area.
structure	If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	The drill hole may not necessarily be perpendicular to the orientation of the intersected mineralisation. Orientation of the mineralisation is not currently known.  All reported mineralised intervals are downhole intervals not true widths.
Sample security	The measures taken to ensure sample security.	Appropriate security measures are taken to dispatch samples to the laboratory. Chain of custody of samples is being managed by Sandfire Resources NL. Samples are stored onsite and transported to laboratory by a licenced transport company in sealed bulker bags. The laboratory receipts received samples against the sample dispatch documents and issues a reconciliation report for every sample batch.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	No external audits or reviews of the sampling techniques and data have been completed, on this project.

**Section 2: Reporting of Exploration Results** 

Criteria	JORC Code Explanation	Commentary
Mineral	Type, reference name/number, location and	The Morck Well project encompasses E52/1672,
tenement and	ownership including agreements or material	E52/1613 and E51/1033 which are jointly owned
land tenure	issues with third parties such as joint	by Auris Minerals Limited (80%) and Fe Limited
status	ventures, partnerships, overriding royalties,	(20%). Sandfire is currently farming into the
	native title interests, historical sites,	project with the right to earn 70% interest in the
	wilderness or national park and	project area. (Refer to terms of Farm-In
	environmental settings.	Agreement dated 27 February 2018).
		The adjacent tenement, E52/2049, is part of
		Enterprise Minerals' wholly owned Doolgunna
		project, which covers 975km². Sandfire is currently
		farming into the project with the right to earn 75%
		in the project area (Refer to terms of Farm-In
		Agreement dated 12 October 2016).
		The Project is centred ~120km north-east of
		Meekatharra, in Western Australia and forms part
		of Sandfire's Doolgunna Project, comprising of a
		package of 6,276 square kilometres of contiguous
		tenements surrounding the DeGrussa Copper
		Mine.

Criteria	JORC Code Explanation	Commentary
	The security of the tenure held at the time of	All tenements are current and in good standing.
	reporting along with any known impediments	
Fundamention	to obtaining a licence to operate in the area.	Aside from Condfire Description and Aurie Minerale
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Aside from Sandfire Resources and Auris Minerals Limited there has been no recent exploration undertaken on the Morck Well Project. Exploration work completed prior to Auris's tenure included geochemical soil, stream sediment, laterite and rock chip sampling combined with geological mapping. Exploration work on E52/2049 of the Doolgunna Project by Enterprise included a detailed fixed wing airborne magnetic survey in 2007, reassaying of pulps from a 1km x 1km spaced Maglag geochemical survey in 2009, a heli borne VTEM survey in 2009, 100m x 100m soil sampling and multielement geochemical analysis, and a 400m line spaced Slingram Moving Loop EM (MLEM) survey conducted in 2015.
Geology	Deposit type, geological setting and style of mineralisation.	The Morck Well Project lies within the Proterozoic-aged Bryah rift basin enclosed between the Archaean Marymia Inlier to the north and the Proterozoic Yerrida basin to the south. The principal exploration targets in the Doolgunna Project area are Volcanogenic Massive Sulphide (VMS) deposits located within the Proterozoic Bryah Basin of Western Australia. Secondary targets include orogenic gold deposits.
Drill hole	A summary of all information material to the	Refer to Tables 1-6 in the main body of this release.
Information	understanding of the exploration results including a tabulation of the following information for all Material drill holes:  o easting and northing of the drill hole collar;  elevation or RL (Reduced Level – elevation above sea level in metres);  o of the drill hole collar;  dip and azimuth of the hole;  down hole length and interception depth; and hole length.  If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	
Data	In reporting Exploration Results, weighting	Significant intersections are based on a cut-off
aggregation methods	averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.	grade of 0.1% Cu and/or 0.5ppm Au and may include up to a maximum of 3m of internal dilution.

Criteria	JORC Code Explanation	Commentary
	·	Cu and Au grades used for calculating significant intersections are uncut.
	Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.	Reported intersections are based on 5m samples from AC drilling.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	No metal equivalents are used in the intersection calculation.
Relationship between mineralisation widths and intercept lengths	These relationships are particularly important in the reporting of Exploration Results.	Downhole intercepts of mineralisation reported in this release are from a drillhole orientated approximately perpendicular to the understood regional stratigraphy. The drillhole may not necessarily be perpendicular to the mineralised zone. All widths are reported as downhole intervals.
	If the geometry of the mineralisation with respect to the drill-hole angle is known, its nature should be reported.	The geometry of the mineralisation, relative to the drillhole, is unknown at this stage.
	If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').	All intersections reported in this release are downhole intervals. True widths are not known at this stage.
Diagrams	Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	Appropriate maps are included within the body of the accompanying document.
Balanced reporting		The accompanying document is considered to represent a balanced report.
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples — size and method of treatment; metallurgical test results; bulk density, groundwater,	Downhole Electromagnetic Surveying was completed by Merlin Geophysics. Details for the configuration of the survey can be seen in Appendix 1 of this release.
	geotechnical and rock characteristics; potential deleterious or contaminating substances.	

Criteria	JORC Code Explanation	Commentary
Further work	The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	Additional work including additional drilling, downhole geophysics and surface geophysics is being planned.