



ASX ANNOUNCEMENT AND MEDIA RELEASE

27 October 2020

## Results from Jundee South Historic Data Compilation

Avenira Limited (ASX:AEV) (**Avenira**) advises that it has successfully completed a review of historical drilling data covering its Jundee South Project (**the Project**), which covers 720km<sup>2</sup> in the Yandal Greenstone Belt in Western Australia.

A total of 6,158 historic drill holes were located throughout the Project after an extensive effort collecting, collating, interpreting and summarising information and data.

Many of the holes were drilled vertically using the Rotary-Air-Blast (**RAB**) drilling method, which was the standard drilling method used throughout the Yandal Belt pre-2000. This method can be prone to contamination when drilling conditions are not optimal, hence they do not provide an appropriate level of quality control for resource estimation or confident target assessment.

### Highlights

- Intersections of greater than 10 gram x metres comprise:

Historic Hole	Intersection	Including
AVAC133	20m@0.76g/t Au from 92m	4m@2.05g/t Au from 96m
emcMRAB11a	16m@1.41g/t Au from 32m	8m@2.21 g/t Au from 36m
gcmLVRB220	4m@4.63g/t Au from 0m	
gcmLVRB244	8m@5.74g/t Au from 32m	4m@11.30 g/t Au from 32m
gcmLVRC14	9m@1.43g/t Au from 95m	1m@3.68 g/t Au from 97m and 4m@2.04 g/t Au from 100m
gcmSHRB36	4m@9.68g/t Au from 84m	2m@12.90 g/t Au from 85m
gcmWWRB102	20m@0.67g/t Au from 56m	8m@1.07 g/t Au from 56m
gcmWWRC1	19m@1.10g/t Au from 106m	13m@1.41 g/t Au from 109m and 1m@3.30 g/t Au from 112m



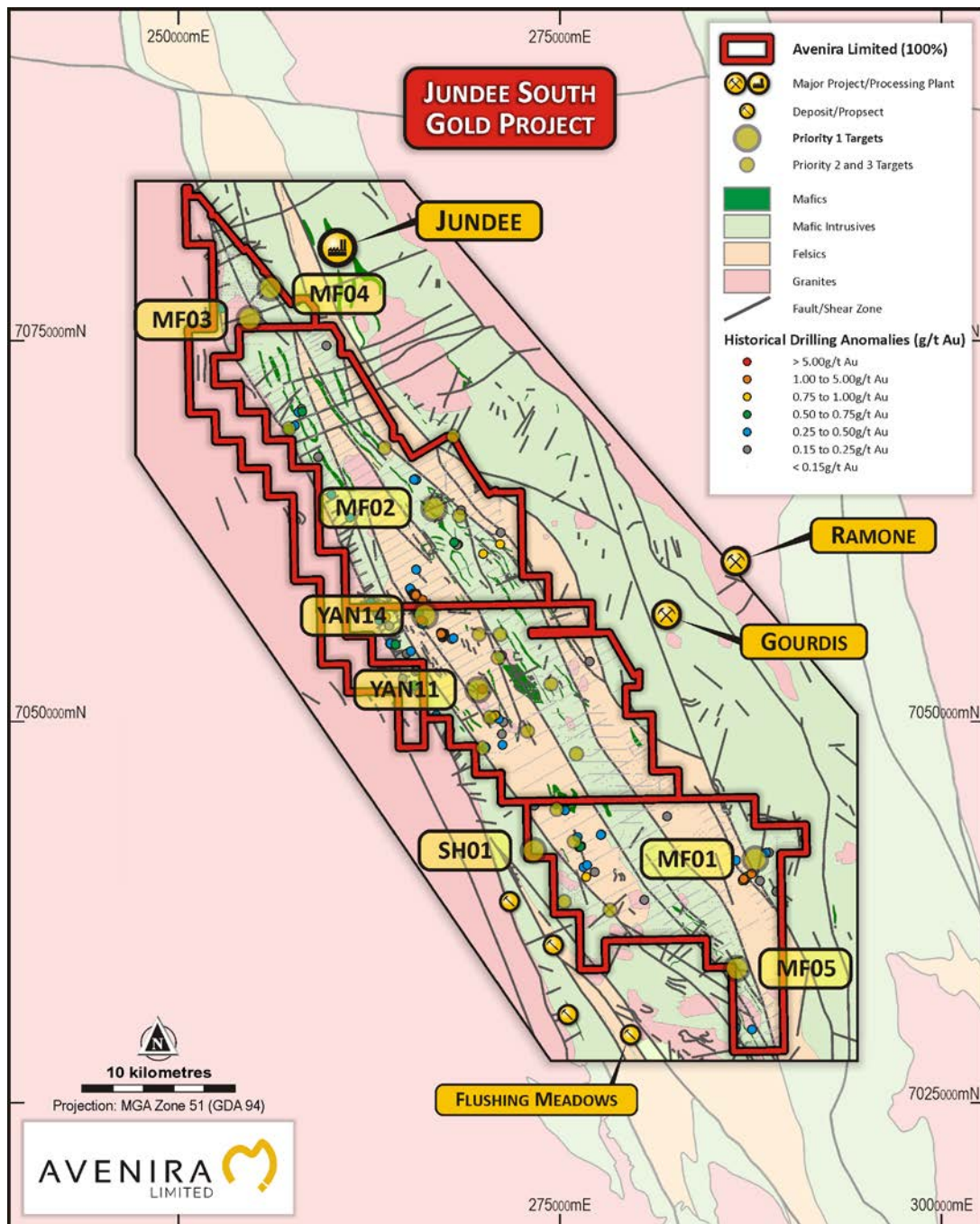
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Some of the historic intersections have been subject to varied degrees of follow-up work, in part as the threshold defining anomalous grade was higher historically, sometimes in the order of 0.5g/t gold, as a result of depressed gold prices and ample opportunity for near-surface discoveries. As Avenira continues with the current drill program, the Company will reassess the anomalies using higher quality drilling methods including Aircore (**AC**) and Reverse Circulation (**RC**). The locations of the anomalies relative to the whole drilling database is contained in Figure 1.

**Avenira's Executive Chairman, Mr. Brett Clark commented,** *"These results are the culmination of a significant parcel of work by the Avenira team which was almost forensic in nature and provides the Company with an exciting pipeline of walk-up targets to assess in more detail following the completion of the maiden Aircore drilling program, currently being carried out at Jundee South.*

*The Avenira team is currently prioritising these walk-up drill targets and will report back to the market with an anticipated schedule of upcoming drill programs and supporting field activities. Importantly, this review provides Avenira with a strong and full pipeline of exploration targets in this highly prospective greenstone belt."*

A compilation of the drilling intersections and the relevant collar information are contained in Appendices A & B, respectively. A list of DMIRS Open File Reports pertaining to each intercept is contained in Appendix C. The JORC Table 1 is contained in Appendix D.



**Figure 1.**  
Location of anomalies relative to the geological interpretation, location of all drill holes and existing priority drilling targets (see ASX release dated 4 June 2020) within Avenira leases.

This announcement has been authorised by the Board of Avenira Limited.

**Brett Clark**  
Executive Chairman  
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## About Avenira Limited

Avenira Limited (ASX:AEV) is an exploration company focused on gold assets in Western Australia and a phosphate asset in the Northern Territory with technology rights.

### Jundee South Gold Project

Avenira's Jundee South Gold Project in Western Australia comprises a tenement suite covering more than 720 km<sup>2</sup> of the Yandal Greenstone Belt adjacent to several significant gold deposits, including the world class Jundee Mine (10Moz), Bronzewing (4Moz) and Darlot (3.5Moz) deposits.

The Jundee South Project area is located within 3km of the operating Jundee Mine and covers more than 60km strike of highly prospective greenstone stratigraphy. The project area contains major regional structures interpreted to control gold mineralisation through the Yandal Greenstone Belt and contains a number of historically defined gold occurrences.

The Yandal Greenstone belt is in the north eastern part of the Norseman-Wiluna gold belt in the Archaean Craton of Western Australia.

Avenira has commenced a drilling program in September 2020 at Jundee South comprising Priority 1 and Priority 2 targets based on geophysical interpretation of data.

Access is via a well-established road network, and given the number of operating mines in the area, there is ready access to accommodation and services.

### Wonarah Phosphate Project

Avenira's Wonarah Phosphate Project in the Northern Territory is considered to be one of Australia's largest phosphate projects:

- Measured Resource of 64.9 Mt @ 22.4% P<sub>2</sub>O<sub>5</sub>
- Indicated Resource of 133 Mt @ 21.1% P<sub>2</sub>O<sub>5</sub>
- Inferred Resource of 352 Mt @ 21% P<sub>2</sub>O<sub>5</sub> (15% cut-off)

The Project is close to infrastructure such as the Northern Gas Pipeline which runs through the project area. It is also adjacent to the national highway and a high quality water source.

### Novophos Inc' 7% ownership

Avenira owns approximately a 7% interest in Novophos Inc' a private company in the United States focussed on the development of an advanced game changing super phosphoric acid production technology. Avenira has exclusive licence rights to the Novophos Technology in Australia

For further information on the company please refer to the company's website at [www.avenira.com](http://www.avenira.com)



## Competent Persons' and Qualified Person's Statement

The information in this document that relates to Exploration Results, geology, and data compilation is based on information compiled by Mr Stephen Harrison who is a Member of The Australian Institute of Geoscientists. Mr Harrison 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'. Mr Harrison is a part-time employee of Avenira Limited and consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

## Previously Reported Results

There is information in this report relating to Mineral Resource estimates which was previously reported on 15 Mar 2013 and 30 Apr 2014. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and, in the case of estimates of Mineral Resources or Ore Reserves that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

## Mineral Resource Statement

WONARAH PROJECT, NORTHERN TERRITORY, AUSTRALIA												
Cut off P <sub>2</sub> O <sub>5</sub> %	Resource Category	Tonnes	P <sub>2</sub> O <sub>5</sub>	Al <sub>2</sub> O <sub>3</sub>	CaO	Fe <sub>2</sub> O <sub>3</sub>	K <sub>2</sub> O	MgO	MnO	Na <sub>2</sub> O	SiO <sub>2</sub>	TiO <sub>2</sub>
		Mt	%	%	%	%	%	%	%	%	%	%
10	Measured	78.3	20.8	4.85	28	1.11	0.43	0.25	0.04	0.1	39.7	0.21
	Indicated	222	17.5	4.75	23.2	1.49	0.47	0.2	0.04	0.09	48.3	0.22
	M+I	300	18.3	4.77	24.4	1.4	0.46	0.21	0.04	0.09	46.1	0.22
	Inferred	512	18	4.8	24	2.1	0.5	0.2	0.08	0.05	46	0.2
15	Measured	64.9	22.4	4.47	30	1.1	0.37	0.19	0.04	0.09	37	0.19
	Indicated	133	21.1	4.77	28	1.53	0.47	0.21	0.04	0.09	39.7	0.22
	M+I	198	21.5	4.67	28.7	1.39	0.44	0.2	0.04	0.09	38.8	0.21
	Inferred	352	21	4.5	28	2.0	0.5	0.2	0.10	0.06	39	0.2



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**APPENDIX A**

**ANOMALOUS INTERSECTION LISTING**



Hole ID	Depth From (m)	Depth To (m)	Interval Width (m)	Average Au Grade (g/t)	Gram x Metre Calculation (g/t x m)	DMIRS Open File Report Source	JORC Table 1 Supporting Comments		
							Sub-Sampling Type	Analysis Type	QC Type
AVAC0013	80	81	1	2.24	2.24	77443	D	B	4
AVAC0014	72	76	4	0.43	1.73	77443	D	B	4
including	72	73	1	1.17	1.17				
AVAC0024	8	12	4	0.15	0.60	77443	D	B	4
AVAC104	104	112	8	0.24	1.92	80775	D	B	4
AVAC111	116	120	4	0.18	0.72	80775	D	B	4
AVAC113	84	85	1	3.36	3.36	80775	D	B	4
AVAC116	96	100	4	0.15	0.60	80775	D	B	4
AVAC121	92	96	4	0.15	0.60	80775	D	B	4
AVAC122	96	112	16	0.15	2.46	80775	D	B	4
AVAC123	110	112	2	0.20	0.39	80775	D	B	4
AVAC132	108	112	4	0.33	1.32	80775	D	B	4
AVAC133	92	112	20	0.76	15.24	80775	D	B	4
including	96	100	4	2.05	8.20				
cypIWR584	28	36	8	0.64	5.10	44231	D	C	3
including	28	32	4	0.98	3.90				
emcDHAC40	64	68	4	0.32	1.28	59974	A	E	1
emcDHRB7	64	68	4	0.35	1.40	63065	E	E	1
emcMRAB11a	32	48	16	1.41	22.59	62725	E	E	1
including	36	44	8	2.21	17.67				
emcMRAB11a	56	60	4	0.90	3.60				
emcMRAB11a	76	78	2	1.94	3.88				
emcMRAB17a	44	48	4	0.34	1.36	62725	E	E	1
emcMRAB18a	20	32	12	0.26	3.18	62725	E	E	1
emcMRAB19a	48	56	8	0.53	4.20	62725	E	E	1
including	48	52	4	0.72	2.88				
emcMRAB21a	56	60	4	0.16	0.64	62725	E	E	1
emcMRAB8a	36	40	4	0.86	3.44	62725	E	E	1
emcMSRAB21	36	40	4	0.54	2.16	62725	E	E	1
emcRAB92	0	1	1	0.53	0.53	34008	E	F	1
emcRAB92	9	13	4	0.58	2.32				
emcRAB92	25	42	17	0.31	5.23				
including	25	33	8	0.44	3.51				
gcmDTRB104	56	68	12	0.44	5.32	60325	A	A	2
including	56	64	8	0.57	4.60				
gcmDTRB158	68	72	4	0.63	2.52	63305a	A	A	2
gcmDTRB172	104	108	4	0.16	0.64	63305a	A	A	2
gcmDTRB185	72	77	5	0.28	1.40	63305a	A	A	2



Hole ID	Depth From (m)	Depth To (m)	Interval Width (m)	Average Au Grade (g/t)	Gram x Metre Calculation (g/t x m)	DMIRS Open File Report Source	JORC Table 1 Supporting Comments		
							Sub-Sampling Type	Analysis Type	QC Type
gcmDTRB250	100	104	4	0.49	1.96	48101	A	A	2
gcmDTRB252	84	88	4	0.36	1.44	48101	A	A	2
gcmDTRB253	80	84	4	0.34	1.36	48101	A	A	2
gcmDTRB255	100	102	2	0.22	0.44	48101	A	A	2
gcmDTRB262	76	84	8	0.20	1.64	48101	A	A	2
gcmDTRB264	72	84	12	0.34	4.12	48101	A	A	2
gcmDTRB272	56	60	4	0.86	3.44	48101	A	A	2
gcmDTRB276	76	80	4	0.20	0.80	48101	A	A	2
gcmDTRB289	52	62	10	0.41	4.08	48101	A	A	2
including	52	56	4	0.87	3.48				
gcmDTRB300	52	55	3	0.25	0.75	48101	A	A	2
gcmDTRB67	68	72	4	0.19	0.76	60325	A	A	2
gcmDTRC1	96	100	4	0.25	1.00	50799	B	C	2
gcmGBRA2	24	28	4	0.69	2.76	58800	A	C	1
gcmIWRB319	76	80	4	0.17	0.68	48101	A	A	2
gcmKWRB134	69	71	2	0.16	0.31	48101	A	A	2
gcmLVRA47	28	32	4	0.71	2.84	62600	E	D	1
gcmLVRB103	52	92	40	0.20	7.96	60325	A	A	2
gcmLVRB120	0	4	4	0.48	1.92	60325	A	A	2
gcmLVRB130	92	101	9	0.55	4.97	60325	A	A	2
gcmLVRB159	32	44	12	0.32	3.84	63305	A	A	2
gcmLVRB173	76	80	4	0.16	0.64	60325	A	A	2
gcmLVRB173	92	101	9	0.24	2.18				
gcmLVRB208	28	32	4	0.16	0.64	60325	A	A	2
gcmLVRB217	92	113	21	0.25	5.32	60325	A	A	2
including	96	100	4	0.67	2.68				
gcmLVRB219	80	104	24	0.27	6.36	60325	A	A	2
gcmLVRB220	0	4	4	4.63	18.52	60325	A	A	2
gcmLVRB220	84	88	4	0.27	1.08				
gcmLVRB222	52	56	4	0.18	0.72	60325	A	A	2
gcmLVRB223	100	104	4	0.27	1.08	60325	A	A	2
gcmLVRB224	92	100	8	1.04	8.32	60325	A	A	2
including	92	96	4	1.46	5.84				
gcmLVRB235	36	40	4	0.73	2.92	60325	A	A	2
gcmLVRB244	32	40	8	5.74	45.92	60325	A	A	2
including	32	36	4	11.30	45.20				
gcmLVRB266	4	12	8	0.32	2.52	60325	A	A	2





Hole ID	Depth From (m)	Depth To (m)	Interval Width (m)	Average Au Grade (g/t)	Gram x Metre Calculation (g/t x m)	DMIRS Open File Report Source	JORC Table 1 Supporting Comments		
							Sub-Sampling Type	Analysis Type	QC Type
gcmLVRB30	80	88	8	0.78	6.20	60325	A	A	2
including	84	88	4	1.30	5.20				
gcmLVRB306	80	84	4	0.39	1.56	60325	A	A	2
gcmLVRB308	108	113	5	0.63	3.15	60325	A	A	2
gcmLVRB330	68	72	4	0.15	0.60	48101	A	A	2
gcmLVRB332	20	24	4	0.25	1.00	48101	A	A	2
gcmLVRB52	88	98	10	0.35	3.46	60325	A	A	2
gcmLVRB61	84	96	12	0.27	3.19	60325	A	A	2
gcmLVRB62	92	96	4	0.18	0.72	60325	A	A	2
gcmLVRB67	80	84	4	0.21	0.84	60325	A	A	2
gcmLVRB68	84	92	8	0.61	4.87	60325	A	A	2
gcmLVRB69	84	96	12	0.25	3.04	60325	A	A	2
gcmLVRB72	84	88	4	0.17	0.68	60325	A	A	2
gcmLVRB756	52	68	16	0.29	4.67	60325	A	A	2
gcmLVRB757	84	104	20	0.37	7.44	60325	A	A	2
gcmLVRB77	60	64	4	0.18	0.72	60325	A	A	2
gcmLVRB79	60	68	8	0.22	1.76	60325	A	A	2
gcmLVRC1	100	104	4	0.50	2.00	60325	A	A	2
gcmLVRC1	128	132	4	0.37	1.48				
gcmLVRC1	156	160	4	0.17	0.68				
gcmLVRC10	88	91	3	0.25	0.76	48101	B	A	2
gcmLVRC14	92	93	1	0.20	0.20	48101	B	A	2
gcmLVRC14	95	104	9	1.43	12.86				
including	97	98	1	3.68	3.68				
including	100	104	4	2.04	8.16				
gcmLVRC16	96	104	8	0.75	5.99	48101	B	A	2
including	96	100	4	1.30	5.20				
gcmLVRC32	96	97	1	0.32	0.32	60325	A	A	2
gcmLVRC5	70	71	1	0.34	0.34	60325	A	A	2
gcmLVRC5	77	78	1	0.86	0.86				
gcmLVRC6	96	99	3	1.76	5.27	60325	A	A	2
including	97	98	1	4.08	4.08				
gcmLVRC8	121	124	3	0.26	0.79	60325	A	A	2
gcmLVRC8	127	128	1	0.25	0.25				
gcmLVRC8	132	133	1	0.45	0.45				
gcmLVRC8	136	137	1	0.18	0.18				



Hole ID	Depth From (m)	Depth To (m)	Interval Width (m)	Average Au Grade (g/t)	Gram x Metre Calculation (g/t x m)	DMIRS Open File Report Source	JORC Table 1 Supporting Comments		
							Sub-Sampling Type	Analysis Type	QC Type
gcmLVRC9	44	46	2	0.46	0.92	60325	A	A	2
including	44	45	1	0.77	0.77				
gcmLVRC9	63	64	1	0.39	0.39				
gcmLVRC9	73	74	1	0.16	0.16				
gcmLVRC9	87	90	3	0.81	2.44				
gcmLVRC9	99	102	3	0.74	2.23				
including	99	100	1	1.36	1.36				
gcmLVRC9	108	110	2	0.18	0.36				
gcmMFRB133	32	44	12	0.35	4.20	48101	A	A	2
including	32	36	4	0.85	3.40				
gcmMFRB134	28	32	4	0.16	0.64	48101	A	A	2
gcmMFRB171	12	16	4	0.19	0.76	48101	A	A	2
gcmMFRB67	20	22	2	0.74	1.48	48101	A	A	2
gcmMFRB89	20	24	4	0.17	0.68	48101	A	A	2
gcmMFRB93	20	22	2	0.22	0.44	48101	A	A	2
gcmMFRB93	34	36	2	0.40	0.80				
gcmMFRB93	42	51	9	0.31	2.83				
gcmMFRB96	32	34	2	0.16	0.32	48101	A	A	2
gcmMFRB96	46	48	2	1.14	2.28				
including	46	48	2	1.71	3.42				
gcmMFRC17	48	52	4	0.15	0.60	50799	B	C	2
gcmMFRC2	50	55	5	0.42	2.11	50799	B	C	2
gcmMFRC6	42	47	5	0.17	0.86	50799	B	C	2
gcmMFRC8	61	63	2	0.37	0.73	50799	B	C	2
gcmMHRB245	0	4	4	0.15	0.60	60038	A	A	2
gcmMHRB41	0	4	4	0.87	3.46	42960	D	A	2
including	0	4	4	1.25	5.00				
gcmMHRB453	28	32	4	0.18	0.72	48101	A	A	2
gcmMHRB49	4	8	4	0.76	3.04	42960	D	A	2
gcmMHRB648	44	48	4	0.17	0.68	48101	A	A	2
gcmNBRA2	0	4	4	0.27	1.08	71235	E	A	2
gcmNBRB256	72	80	8	0.25	2.00	60754	A	A	2
gcmNBRB340	56	60	4	0.61	2.44	60754	A	A	2
gcmNBRB348	36	40	4	0.22	0.88	60754	A	A	2
gcmNBRB452	84	92	8	0.39	3.12	40810	E	A	2
including	84	88	4	0.62	2.48				
gcmNBRB469	40	44	4	0.29	1.16	40810	E	A	2
gcmNBRB486	80	84	4	0.26	1.04	44526	C	A	2



Hole ID	Depth From (m)	Depth To (m)	Interval Width (m)	Average Au Grade (g/t)	Gram x Metre Calculation (g/t x m)	DMIRS Open File Report Source	JORC Table 1 Supporting Comments		
							Sub-Sampling Type	Analysis Type	QC Type
gcmNBRB495	56	60	4	0.17	0.68	44526	C	A	2
gcmNBRB497	52	56	4	0.45	1.80	44526	C	A	2
gcmNBRB655	30	32	2	0.46	0.91	48101	A	A	2
including	32	34	2	0.85	1.70				
gcmNBRB658	36	38	2	0.68	1.36	48101	A	A	2
gcmNBRB824	27	28	1	0.15	0.15	48101	A	A	2
gcmNBRB871	28	30	2	0.32	0.64	48101	A	A	2
gcmNBRB871	32	33	1	0.23	0.23				
gcmNBRB945	84	86	2	0.19	0.38	48101	A	A	2
gcmOWRB125	41	48	7	0.34	2.39	48101	A	A	2
gcmOWRB125	51	53	2	0.19	0.38				
gcmOWRB86	56	60	4	0.25	1.00	44530	A	A	2
gcmSHRB121	16	20	4	0.17	0.68	48101	A	A	2
gcmSHRB122	72	84	12	0.27	3.24	48101	A	A	2
including	72	76	4	0.56	2.24				
gcmSHRB36	84	88	4	9.68	38.73	63305b	C	A	2
including	85	87	2	12.90	25.80				
gcmSHRB99	68	72	4	0.83	3.32	48101	A	A	2
gcmTWRA10	92	96	4	0.15	0.60	62725	E	D	2
gcmTWRA10	132	136	4	0.15	0.60				
gcmTWRA30	48	68	20	0.22	4.48	62725	E	D	2
gcmTWRA32	44	48	4	0.40	1.60	62725	E	D	2
gcmTWRA62	56	60	4	0.28	1.12	62600	E	D	1
gcmTWRB114	77	78	1	0.27	0.27	41860	E	A	1
gcmTWRB123	88	90	2	0.16	0.32	41860	E	A	1
gcmTWRB132	68	71	3	0.22	0.66	41860	E	A	1
gcmTWRB136	60	64	4	0.27	1.08	41860	E	A	1
gcmTWRB159	40	44	4	0.35	1.40	48101	A	A	2
gcmTWRB163	52	56	4	0.31	1.24	48101	A	A	2
gcmTWRB166	92	98	6	0.35	2.10	48101	A	A	2
gcmTWRB166	104	110	6	0.55	3.29				
gcmTWRB167	96	104	8	0.87	6.95	48101	A	A	2
including	98	102	4	1.21	4.85				
gcmTWRB181	84	87	3	0.17	0.51	48101	A	A	2
gcmTWRB210	68	76	8	0.18	1.40	50799	A	C	2
gcmTWRB211	24	28	4	0.16	0.64	50799	A	C	2
gcmTWRB211	48	52	4	0.18	0.72				
gcmTWRB216	40	44	4	0.26	1.04	62725	E	D	2



Hole ID	Depth From (m)	Depth To (m)	Interval Width (m)	Average Au Grade (g/t)	Gram x Metre Calculation (g/t x m)	DMIRS Open File Report Source	JORC Table 1 Supporting Comments		
							Sub-Sampling Type	Analysis Type	QC Type
gcmTWRB219	28	32	4	0.15	0.60	62725	E	D	2
gcmTWRB225	12	16	4	0.15	0.60	62725	E	D	2
gcmTWRB225	36	40	4	0.18	0.72				
gcmTWRB226	16	20	4	0.18	0.72	62725	E	D	2
gcmTWRB227	32	36	4	0.17	0.68	62725	E	D	2
gcmTWRC1	82	83	1	0.98	0.98	47501	B	A	1
gcmTWRC1	103	105	2	0.17	0.33				
gcmTWRC1	108	110	2	0.16	0.32				
gcmTWRC4	175	176	1	1.19	1.19	no report	unknown	unknown	1
gcmWWRB102	56	76	20	0.67	13.44	63305b	C	A	2
including	56	64	8	1.07	8.55				
gcmWWRB124	60	62	2	0.25	0.50	44494	A	A	2
gcmWWRB345	0	4	4	0.36	1.44	48101	A	A	2
gcmWWRB371	0	4	4	0.15	0.60	48101	A	A	2
gcmWWRB65	40	48	8	0.17	1.32	63305b	C	A	2
gcmWWRC1	75	76	1	0.27	0.27	48101	B	A	2
gcmWWRC1	82	84	2	0.39	0.78				
gcmWWRC1	95	98	3	0.35	1.06				
gcmWWRC1	106	125	19	1.10	20.98				
including	109	122	13	1.41	18.29				
including	112	113	1	3.30	3.30				
gcmWWRC12	58	62	4	0.48	1.90	48101	B	A	2
including	59	60	1	0.95	0.95				
gcmWWRC13	69	72	3	0.37	1.11	48101	B	A	2
gcmWWRC13	125	126	1	0.16	0.16				
gcmWWRC13	127	128	1	0.19	0.19				
gcmWWRC16	99	103	4	0.98	3.92	48101	B	A	2
including	99	102	3	1.22	3.67				
gcmWWRC18	92	96	4	0.15	0.60	48101	B	A	2
gcmWWRC3	64	68	4	1.39	5.56	48101	B	A	2
wnaJR9369	21	22	1	0.23	0.23	68622	F	G	1
wnaJR9369	28	29	1	0.26	0.26				
wnaJR9369	35	37	2	0.17	0.34				
wnaJR9371	54	56	2	0.22	0.43	68622	F	G	1
gcmKWRB134	69	71	2	0.16	0.31	48101	B	A	2



## **APPENDIX B**

### **ANOMALOUS INTERSECTION COLLAR LISTING**



Hole ID	Grid ID	Hole Type	Dip (degrees)	Local Azimuth (degrees)	MGA Northing (m)	MGA Easting (m)	MGA RL (m)	Hole Depth (m)	Open File Source Report
gcmDTRC1	JD20	RC	-60	90	7041827.029	276278.9492	480	131	50799
gcmLVRC1	JD20	RC	-60	270	7055865.499	267317.2545	480	201	60325
gcmLVRC10	JD20	RC	-60	90	7055752.106	267290.7407	480	129	48101
gcmLVRC14	JD20	RC	-60	90	7055801.725	267216.328	480	153	48101
gcmLVRC16	JD20	RC	-60	90	7058395.815	265471.1283	480	141	48101
gcmLVRC32	JD20	RC	-60	0	7058016.896	265905.6034	480	149	60325
gcmLVRC5	JD20	RC	-60	270	7058361.05	265571.1586	480	200	60325
gcmLVRC6	JD20	RC	-60	90	7058351.139	265553.6411	480	135	60325
gcmLVRC8	JD20	RC	-60	90	7058311.495	265483.5716	480	144	60325
gcmLVRC9	JD20	RC	-60	90	7058291.698	265449.8981	480	135	60325
gcmMFRC17	MF5	RC	-60	270	7055163.127	263947.5704	480	59	50799
gcmMFRC2	MF5	RC	-60	270	7055170.358	263868.487	480	65	50799
gcmMFRC6	MF5	RC	-60	270	7055118.98	263945.6665	480	65	50799
gcmMFRC8	MF5	RC	-60	270	7055182.663	263895.4827	480	77	50799
gcmTWRC1	JD20	RC	-60	270	7050454.852	270751.0981	480	171	47501
gcmTWRC4	JD20	RC	-60	270	7052215.446	269964.1013	480	247	no report sighted
gcmWWRC1	JD20	RC	-60	270	7039728.242	287037.1623	500	128	48101
gcmWWRC12	JD20	RC	-60	0	7039690.94	287051.3829	501	113	48101
gcmWWRC13	JD20	RC	-60	180	7039738.656	287056.017	500	131	48101
gcmWWRC16	JD20	RC	-70	90	7039642.131	286969.2885	503	109	48101
gcmWWRC18	JD20	RC	-60	0	7039647.892	287098.3226	501	113	48101
gcmWWRC3	JD20	RC	-60	270	7040073.576	287561.4848	500	122	48101
AVAC0013	AMG84_51	AC	-90	0	7052161	269942	500	104	77443
AVAC0014	AMG84_51	AC	-90	0	7052168	269955	500	89	77443
AVAC0024	AMG84_51	AC	-90	0	7043841	282023	500	66	77443
AVAC104	AMG84_51	AC	-60	60	7058772	265167	500	120	80775
AVAC111	AMG84_51	AC	-60	60	7058331	265512	500	120	80775
AVAC113	AMG84_51	AC	-60	60	7058052	265998	500	85	80775
AVAC116	AMG84_51	AC	-60	60	7057987	265884	500	111	80775
AVAC121	AMG84_51	AC	-60	60	7058101	265818	500	120	80775
AVAC122	AMG84_51	AC	-60	60	7058076	265777	500	120	80775
AVAC123	AMG84_51	AC	-60	60	7058044	265738	500	120	80775
AVAC132	AMG84_51	AC	-60	60	7058246	265679	500	120	80775
AVAC133	AMG84_51	AC	-60	60	7058215	265634	500	114	80775
emcDHAC40	AMG84_51	AC	-90	0	7048359.39	270137.2824	500	75	59974
gcmGBRA2	AMG84_51	AC	-90	0	7042399.348	291016.4921	520	36	58800
gcmLVRA47	JD20	AC	-90	0	7061810.809	268066.7071	480	59	62600
gcmNBRA2	AMG84_51	AC	-90	0	7077159.493	252857.38	500	85	71235
gcmTWRA10	JD20	AC	-60	270	7053524.057	265805.7995	480	142	62725
gcmTWRA30	JD20	AC	-60	270	7054513.664	264958.6734	480	69	62725
gcmTWRA32	JD20	AC	-60	270	7054672.213	265237.4995	480	146	62725



Hole ID	Grid ID	Hole Type	Dip (degrees)	Local Azimuth (degrees)	MGA Northing (m)	MGA Easting (m)	MGA RL (m)	Hole Depth (m)	Open File Source Report
gcmTWRA62	JD20	AC	-90	0	7050226.639	270996.0387	480	75	62600
cypIWR584	GVM	RAB	-60	270	7049479.585	267798.6672	500	37	44231
emcDHRB7	AMG84_51	RAB	-90	0	7046659.371	271136.5321	500	88	63065
emcMRAB11a	MOILERS	RAB	-60	270	7051900.089	265812.5627	500	78	62725
emcMRAB17a	MOILERS	RAB	-60	270	7052388.099	265486.4914	500	71	62725
emcMRAB18a	MOILERS	RAB	-60	270	7052380.023	265468.9489	500	51	62725
emcMRAB19a	MOILERS	RAB	-60	270	7052426.882	265458.5586	500	77	62725
emcMRAB21a	MOILERS	RAB	-60	270	7052402.628	265404.5706	500	71	62725
emcMRAB8a	MOILERS	RAB	-60	270	7051851.797	265833.8644	500	71	62725
emcMSRAB21	MOILERS	RAB	-90	0	7051909.197	265808.3125	500	50	62725
emcRAB92	JUNL2	RAB	-90	0	7077626.085	257776.7573	560	42	34008
gcmDTRB104	JD20	RAB	-90	0	7044234.778	275336.1882	480	80	60325
gcmDTRB158	JD20	RAB	-90	0	7041854.289	276327.4144	480	99	63305
gcmDTRB172	JD20	RAB	-90	0	7042646.916	277715.2754	480	110	63305
gcmDTRB185	JD20	RAB	-90	0	7040505.498	276544.2854	480	77	63305
gcmDTRB250	JD20	RAB	-90	0	7042627.118	277681.6304	480	104	48101
gcmDTRB252	JD20	RAB	-90	0	7041814.647	276257.414	480	103	48101
gcmDTRB253	JD20	RAB	-90	0	7041834.468	276292.4141	480	103	48101
gcmDTRB255	JD20	RAB	-90	0	7041893.907	276396.056	480	102	48101
gcmDTRB262	JD20	RAB	-90	0	7040545.14	276614.2789	480	89	48101
gcmDTRB264	JD20	RAB	-90	0	7040644.221	276787.9054	480	104	48101
gcmDTRB272	JD20	RAB	-90	0	7039870.745	276722.6989	480	69	48101
gcmDTRB276	JD20	RAB	-90	0	7040187.808	277278.5554	480	85	48101
gcmDTRB289	JD20	RAB	-90	0	7042489.042	276148.963	480	62	48101
gcmDTRB300	JD20	RAB	-90	0	7044631.748	274741.6594	480	55	48101
gcmDTRB67	JD20	RAB	-90	0	7044553.131	273313.7551	480	87	60325
gcmIWRB319	IW10	RAB	-90	0	7044742.129	271213.2804	540	98	48101
gcmKWRB134	JD20	RAB	-90	0	7038361.518	280530.706	480	110	48101
gcmLVRB103	JD20	RAB	-90	0	7056615.457	266060.6725	480	113	60325
gcmLVRB120	JD20	RAB	-90	0	7057170.961	265744.161	480	71	60325
gcmLVRB130	JD20	RAB	-90	0	7058440.466	265387.2539	480	101	60325
gcmLVRB159	JD20	RAB	-90	0	7060027.047	265586.8286	480	58	63305
gcmLVRB173	JD20	RAB	-90	0	7055573.58	267299.4477	480	101	60325
gcmLVRB208	JD20	RAB	-90	0	7058559.526	265273.4166	480	76	60325
gcmLVRB217	JD20	RAB	-90	0	7058390.847	265461.6891	480	113	60325
gcmLVRB219	JD20	RAB	-90	0	7058430.491	265531.759	480	113	60325
gcmLVRB220	JD20	RAB	-90	0	7058450.288	265565.4331	480	113	60325
gcmLVRB222	JD20	RAB	-90	0	7058361.05	265571.1586	480	113	60325
gcmLVRB223	JD20	RAB	-90	0	7058341.228	265536.1237	480	113	60325
gcmLVRB224	JD20	RAB	-90	0	7058321.406	265501.089	480	113	60325
gcmLVRB235	JD20	RAB	-90	0	7057884.989	265705.1681	480	71	60325



Hole ID	Grid ID	Hole Type	Dip (degrees)	Local Azimuth (degrees)	MGA Northing (m)	MGA Easting (m)	MGA RL (m)	Hole Depth (m)	Open File Source Report
gcmLVRB244	JD20	RAB	-90	0	7056714.696	265911.8259	480	113	60325
gcmLVRB266	JD20	RAB	-90	0	7056468.746	265965.3523	480	95	60325
gcmLVRB30	JD20	RAB	-90	0	7055821.522	267249.9967	480	95	60325
gcmLVRB306	JD20	RAB	-90	0	7058203.223	265614.9059	480	84	60325
gcmLVRB308	JD20	RAB	-90	0	7058241.99	265684.9912	480	113	60325
gcmLVRB330	JD20	RAB	-90	0	7055464.209	267915.3399	480	107	48101
gcmLVRB332	JD20	RAB	-90	0	7055523.649	268019.0678	480	90	48101
gcmLVRB52	JD20	RAB	-90	0	7055890.963	267210.6132	480	98	60325
gcmLVRB61	JD20	RAB	-90	0	7055841.344	267285.0264	480	113	60325
gcmLVRB62	JD20	RAB	-90	0	7055801.725	267216.328	480	113	60325
gcmLVRB67	JD20	RAB	-90	0	7055732.284	267255.7113	480	113	60325
gcmLVRB68	JD20	RAB	-90	0	7055752.106	267290.7407	480	113	60325
gcmLVRB69	JD20	RAB	-90	0	7055771.902	267324.4094	480	113	60325
gcmLVRB72	JD20	RAB	-90	0	7055831.368	267429.4986	480	100	60325
gcmLVRB756	JD20	RAB	-90	0	7058718.205	265228.2871	480	87	60325
gcmLVRB757	JD20	RAB	-90	0	7058787.646	265188.8846	480	126	60325
gcmLVRB77	JD20	RAB	-90	0	7055722.283	267398.8215	480	113	60325
gcmLVRB79	JD20	RAB	-90	0	7055682.664	267330.1235	480	87	60325
gcmMFRB133	MF5	RAB	-90	0	7057849.265	262601.6551	480	56	48101
gcmMFRB134	MF5	RAB	-90	0	7057832.849	262565.2005	480	66	48101
gcmMFRB171	MF5	RAB	-90	0	7056321.126	263819.923	480	47	48101
gcmMFRB67	MF5	RAB	-90	0	7055121.899	264236.9066	480	61	48101
gcmMFRB89	MF5	RAB	-90	0	7057865.681	262638.1098	480	59	48101
gcmMFRB93	MF5	RAB	-90	0	7056715.654	263161.876	480	51	48101
gcmMFRB96	MF5	RAB	-90	0	7056912.543	263593.86	480	52	48101
gcmMHRB245	JD20	RAB	-90	0	7063912.928	268524.3226	480	69	60038
gcmMHRB41	JD20	RAB	-90	0	7061056.193	269970.5448	480	66	42960
gcmMHRB453	JD20	RAB	-90	0	7062443.954	271111.3158	480	62	48101
gcmMHRB49	JD20	RAB	-90	0	7061690.301	271081.2494	480	40	42960
gcmMHRB648	JD20	RAB	-90	0	7053992.006	276947.7182	480	64	48101
gcmNBRB256	JD20	RAB	-90	0	7070344.275	257856.9797	550	96	60754
gcmNBRB340	JD20	RAB	-90	0	7070393.718	258104.0902	550	104	60754
gcmNBRB348	JD20	RAB	-90	0	7070552.42	258060.2063	550	104	60754
gcmNBRB452	JD20	RAB	-90	0	7065897.746	265549.8919	550	101	40810
gcmNBRB469	JD20	RAB	-90	0	7063440.55	261244.4757	550	46	40810
gcmNBRB486	JD20	RAB	-90	0	7065917.568	265584.9487	550	91	44526
gcmNBRB495	JD20	RAB	-90	0	7065967.186	265510.4735	550	69	44526
gcmNBRB497	JD20	RAB	-90	0	7065927.542	265440.3598	550	59	44526
gcmNBRB655	JD20	RAB	-90	0	7069471.726	257618.6348	550	37	48101
gcmNBRB658	JD20	RAB	-90	0	7069233.934	257202.0404	550	39	48101
gcmNBRB824	JD20	RAB	-90	0	7067408.282	259164.7015	550	42	48101





Hole ID	Grid ID	Hole Type	Dip (degrees)	Local Azimuth (degrees)	MGA Northing (m)	MGA Easting (m)	MGA RL (m)	Hole Depth (m)	Open File Source Report
gcmNBRB871	JD20	RAB	-90	0	7064948.513	260016.1333	550	42	48101
gcmNBRB945	JD20	RAB	-60	270	7074706.711	259694.143	550	86	48101
gcmOWRB125	OWE5	RAB	-90	90	7029968.692	286530.6854	520	53	48101
gcmOWRB86	OWE5	RAB	-90	0	7029869.052	287584.9969	520	62	44530
gcmSHRB121	JD20	RAB	-90	0	7054396.511	271205.3973	550	53	48101
gcmSHRB122	JD20	RAB	-90	0	7054314.777	271062.5984	550	88	48101
gcmSHRB36	JD20	RAB	-90	0	7052174.844	269894.0739	550	88	63305
gcmSHRB99	JD20	RAB	-60	90	7052160.973	269869.8304	550	99	48101
gcmTWRB114	JD20	RAB	-90	0	7050464.763	270768.6073	480	85	41860
gcmTWRB123	JD20	RAB	-90	0	7050028.157	271293.4971	480	90	41860
gcmTWRB132	JD20	RAB	-90	0	7049234.863	271193.4975	480	71	41860
gcmTWRB136	JD20	RAB	-90	0	7048520.855	271233.568	480	86	41860
gcmTWRB159	JD20	RAB	-60	270	7050286.419	270456.166	480	92	48101
gcmTWRB163	JD20	RAB	-60	270	7050365.68	270594.8767	480	67	48101
gcmTWRB166	JD20	RAB	-60	270	7050425.12	270698.5707	480	110	48101
gcmTWRB167	JD20	RAB	-60	270	7050444.942	270733.5889	480	110	48101
gcmTWRB181	JD20	RAB	-60	270	7050484.585	270803.6258	480	87	48101
gcmTWRB210	JD20	RAB	-90	0	7061681.774	268325.0771	480	83	50799
gcmTWRB211	JD20	RAB	-90	0	7061642.13	268254.9813	480	75	50799
gcmTWRB216	JD20	RAB	-60	270	7050466.681	266900.2855	480	54	62725
gcmTWRB219	JD20	RAB	-60	270	7052887.47	264690.6622	480	72	62725
gcmTWRB225	JD20	RAB	-60	270	7053363.063	265524.3175	480	85	62725
gcmTWRB226	JD20	RAB	-60	270	7053442.325	265663.0389	480	42	62725
gcmTWRB227	JD20	RAB	-60	270	7052331.966	265007.1369	480	77	62725
gcmWWRB102	AMG84_51	RAB	-90	0	7039904.354	287280.2321	550	107	63305
gcmWWRB124	AMG84_51	RAB	-90	0	7040949.366	286536.742	550	62	44494
gcmWWRB345	JD20	RAB	-90	0	7039815.972	287110.447	550	59	48101
gcmWWRB371	AMG84_51	RAB	-90	0	7039603.353	288106.2863	550	73	48101
gcmWWRB65	AMG84_51	RAB	-90	0	7038909.355	289187.5818	520	62	63305
wnaJR9369	JUN	RAB	-90	0	7041454.373	288498.0899	520	43	68622
wnaJR9371	JUN	RAB	-90	0	7041458.369	288697.8625	520	64	68622
gcmKWRB134	AMG84_51	RAB	-90	0	7038361.36	280530.7087	550	110	48101



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**APPENDIX C**

**HISTORICAL OPEN FILE REPORT LISTING**



Report Number	Title	Report Year	Author	Report Type	Date From	Date To	Project	Operator	DMIRS Report Link
34008	Nimary Bore Project E53/219 East Murchinson Goldfield Sheet SG51-9 Wiluna WA First Annual report to 12/90	1991	HERBISON I D	Annual	1/12/1989	1/12/1990	Nimary Bore	HUNTER RESOURCES LTD	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A34008">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A34008</a>
40810	Annual Report for the period 14/02/93-13/02/94 Nimary Bore South Project E53/218 M53/284-288	1994	DAVIE-SMYTHE M J	Annual	1/02/1993	1/02/1994	Nimary Bore South	GREAT CENTRAL MINES NL	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A40810">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A40810</a>
41860	E53/354 Trial Well Project, , Annual Report for the period 22 July 1993 to 21 July 1994	1994	DAVIE-SMYTHE M J	Annual	1/07/1993	1/07/1994	Trial Well	GREAT CENTRAL MINES NL	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A41860">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A41860</a>
42960	Exploration Licence E53/209 Mining Licences M53/254 to M53/257 'Mahood Project' annual report for the period 5 October 1993 to 4 October 1994	1994	LEWIS C R	Annual	1/10/1993	1/10/1994	Mahood	GREAT CENTRAL MINES NL	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A42960">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A42960</a>
44231	Ironstone Well M53/265 M53/269 M53/276 to M53/280 P53/744 P53/746 to P53/753 P53/760 Annual report for the period ending March 20, 1995	1995		Annual	1/03/1994	1/03/1995	Ironstone Well	CYPRUS GOLD AUSTRALIA CORPORATION	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A44231">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A44231</a>
44494	Exploration Licence E53/255 and Mining Licences M53/348 M53/349 'Woolshed Well' Annual report for the period 7 February 1994 to 6 February 1995	1995	LEWIS C R	Annual	1/02/1994	1/02/1995	Woolshed Well	GREAT CENTRAL MINES NL	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A44494">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A44494</a>
44526	Exploration Licence E53/218 'Nimary Bore South Project' Annual Report for the Period 14 February 1994 to 13 February 1995.	1995	LEWIS C R	Annual	1/02/1994	1/02/1995	Nimary Bore South	GREAT CENTRAL MINES NL	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A44526">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A44526</a>
44530	Exploration Licence E53/256 and Mining Licence M53/343 'Outcamp Well East' Annual report for the period 7 February 1994 to 6 February 1995	1995	LEWIS C R	Annual	1/02/1994	1/02/1995	Outcamp Well East	GREAT CENTRAL MINES NL	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A44530">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A44530</a>
47501	Exploration Licences E53/354 E53/355 'Trial Well and Kookyong Well' annual report for the period 6 February 1995 to 5 February 1996	1996	LEWIS C R	Annual	1/02/1995	1/02/1996	Trial Well and Kookyong Wel	GREAT CENTRAL MINES NL	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A47501">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A47501</a>



Report Number	Title	Report Year	Author	Report Type	Date From	Date To	Project	Operator	DMIRS Report Link
48101	Exploration Licences E53/246 E53/254 to E53/256 E53/268 E53/293 to E53/295 E53/322 E53/325 E53/354 E53/355 E53/375 to E53/376 E53/381 E53/385 E53/386 E53/431 E53/432 E53/463 E53/487 E53/486 E53/574 and Mining Leases M53/254 to M53/257 M53/284 to M53/	1996	LEWIS C R	Annual	1/02/1995	1/02/1996	Jundee	GREAT CENTRAL MINES NL	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A48101">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A48101</a>
50799	Exploration Licences E53/246 E53/254 E53/255 E53/268 E53/293 to E53/295 E53/354 E53/355 E53/375 E53/376 E53/381 E53/385 E53/386 E53/431 E53/432 E53/463 E53/487 Mining Leases M53/254 to M53/257 M53/284 to M53/288 M53/301 to M53/305 M53/329 to M53/334	1997	VAN KANN M Y	Annual	1/02/1996	1/02/1997	Jundee East	GREAT CENTRAL MINES NL	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A50799">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A50799</a>
58800	Annual report for C121/1993 - 'Lake Violet Project' E53/241,242,302,326,343,359,360,366,373,461A, 646 M53/442-443 P53/828	1999	HOWLAND J P	Annual	1/01/1998	1/01/1999	Lake Violet	EAGLE MINING CORP NL	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A58800">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A58800</a>
59974	M53/442, A Double Hole North, Surrender Report for the Period 9 October 1995 to 7 January 2000.	2000	VAN KANN M Y	Final Surrender	9/10/1995	7/01/2000	A Double Hole North	GREAT CENTRAL MINES LTD	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A59974">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A59974</a>
60038	Mining leases: M53/256-257, 400-403, Lake Violet, Surrender Report for the Period 11 December 1993 to 27 January 2000	2000	VAN KANN M Y	Annual	1/01/1999	1/01/2000	Lake Violet	GREAT CENTRAL MINES LTD	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A60038">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A60038</a>
60325	Mining Leases M35/394,395, Lake Viloet, M53/396, Southern Homestead,M53/397-399 Dingbat Well Surrender Report for the Period 21 December 1994 to 1 February 2000.	2000	VAN KANN M Y	Final Surrender	21/12/1994	2/03/2000	Jundee (Bronzewing) Darlot	GREAT CENTRAL MINES LTD	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A60325">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A60325</a>
60754	Mining leases: M53/284-288, Nimary Bore South, Jundee Project, Surrender Report for the Period 14/02/1990 to 01/01/2000.	2000	VAN KANN M Y	Final Surrender	8/10/1993	2/03/2000	Jundee - Nimary Bore South	GREAT CENTRAL MINES LTD	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A60754">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A60754</a>



Report Number	Title	Report Year	Author	Report Type	Date From	Date To	Project	Operator	DMIRS Report Link
62600	Combined Annual Report On Exploration For Period 26 March 2000 to 25 March 2001. Project C177/1997 Lake Violet E53/293-5, 375-6, 381, 431-2, 523, 684 M53/340-2, 347, 350 354-5, 408-9, 418-19, 431, 440, P53/666A, 754-8, 889, 899, 907-8, 919, 925, 927,	2001	DALEY L	Annual	1/03/2000	1/03/2001	Lake Violet	NORMANDY YANDAL OPERATIONS LTD	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A62600">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A62600</a>
62725	Final Surrender Report On Exploration For Period Ended 30 May 2001 Project C117-1993 Nimary E53/273, E53/434, M53/420 Reference: Filename E53-273, 434,M53-420 S01. Report No28873	2001	DALEY L	Final Surrender	5/06/1991	1/06/2001	Nimary	NORMANDY YANDAL OPERATIONS LTD	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A62725">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A62725</a>
63065	Combined Surrender Report On Exploration For Period Ended June 21 2001 Project C121-1993 Lake Violet E53/302, 326, M53/443 Reference: E53-302 326 M53-443 S01.pdf	2001	DALEY L	Final Surrender	25/11/1991	12/06/2001	Lake Violet	NORMANDY YANDAL OPERATIONS LTD	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A63065">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A63065</a>
68622	Combined surrender report on E53/360, E53/257, E53/366 M53/440, M53/378, C121/1993, Lake Violet, for the period ending 31/03/2004	2004	DALEY L	Final Surrender	7/02/1991	23/03/2004	Lake Violet	NEWMONT AUSTRALIA LTD	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A68622">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A68622</a>
71235	Mining lease E53/219, Relinquishment report August 2005 (Wiluna, Report No. 32180, Jundee).	2005	JOHANSEN P M	Final Surrender	4/12/1989	24/06/2005	Jundee	NEWMONT AUSTRALIA LTD	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A71235">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A71235</a>
77443	Yandal Group 1 (Violet) Annual Report, Combined Reporting Group C59/2005 Report Period: 1 January 2007 to 31 December 2007	2008	BRYANS C E	Annual	1/01/2007	1/12/2007	Yandal Group 1 (Violet)	ARAGON RESOURCES LTD	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A77443">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A77443</a>
80775	Yandal Group 1 (Violet) Annual Report, Combined Reporting Group C59/2005, Report Period: 1 January 2008 to 31 December 2008, E53/1084, P53/1115, P53/1226, E53/1171, E53/934, E53/926, P53/1283, E53/948, E53/1001, E53/1025, E53/972, E53/984, P53/1059,	2009	BRYANS C E	Annual	1/01/2008	31/12/2008	Yandal Group 1 (Violet)	ARAGON RESOURCES LTD	<a href="https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A80775">https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report_Ref/A80775</a>



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**APPENDIX D**

**JORC TABLE 1**



## JORC Code, 2012 Edition – Table 1 report template

### Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
<b>Sampling techniques</b>	<ul style="list-style-type: none"> <li>• Nature and quality of sampling (eg cut 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.</li> <li>• Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>• Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>• In cases where ‘industry standard’ work has been done this would be relatively simple (eg ‘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 (eg submarine nodules) may warrant disclosure of detailed information.</li> </ul>	<ul style="list-style-type: none"> <li>• Samples are all broken chips generated by a rotating drill bit and high -pressure air as per standard industry practice</li> <li>• Samples obtained for analysis are mostly composites of 2-3kg size. Sampling and analysis methods are discussed elsewhere.</li> </ul>
<b>Drilling techniques</b>	<ul style="list-style-type: none"> <li>• Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).</li> </ul>	<ul style="list-style-type: none"> <li>• No specific information is presented in the historical reports regarding the exact drilling methods used, however industry standard methods are known to have been used, which are as follows: <ul style="list-style-type: none"> <li>• Aircore (AC) – standard 3” holes drilled with standard aircore blade and inner tube assembly to blade refusal</li> <li>• Rotary Air Blast (RAB) -standard 3” holes drilled with blade bit to refusal</li> <li>• Reverse Circulation (RC) – standard ~5 ¼” hole drilled with a face sampling bit and inner tube assembly</li> <li>• Reputable drilling companies utilised include Grimwood Davies, Kennedys, Kimminco and Bostech.</li> </ul> </li> </ul>



Criteria	JORC Code explanation	Commentary
<b>Drill sample recovery</b>	<ul style="list-style-type: none"> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</li> </ul>	<ul style="list-style-type: none"> <li>Drilling recoveries were not systematically recorded in open file reports prior to 42960. Recoveries are reported in hardcopy drill logs for reports 44231-44530. Sporadic mention in reports newer than this number. Assumption made that recoveries are recorded but not reported in open file reports.</li> <li>General comments noted that recoveries were 70-90% at the top of the hole, dropping 40-60% downhole, particularly when drillholes were wet</li> <li>No comments noted regarding relationship between recovery and grade</li> </ul>
<b>Logging</b>	<ul style="list-style-type: none"> <li>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> </ul>	<ul style="list-style-type: none"> <li>Geological logging has been captured in a digital, interrogatable form for approximately 80% of the drilling undertaken. Scanned versions of hardcopy logs are present for the majority of remaining intervals drilled</li> <li>Logging mostly qualitative in nature, although degrees of alteration and weathering are noted. Quantitative estimations made of sulphide and veining contents</li> </ul>
<b>Sub-sampling techniques and sample preparation</b>	<ul style="list-style-type: none"> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<ul style="list-style-type: none"> <li><b>Type A</b> - Sampling performed by trowel by quartering the cone piles of chips and compositing drill cuttings over 4 metres. Wet samples encountered during drilling were grab sampled</li> <li><b>Type B</b> - Dry samples were riffle-split (quartered) and composited over 4 metre intersections. The resulting 4 metre composite was then resplit (quartered) on site to produce a 1-2 kilogram sample. Wet samples were retained in plastic bags and grab sampled</li> <li><b>Type C</b> – Samples were collected from chip piles and composited over 4 metres. The sample weights were approximately 2kg. Samples were collected with a trowel</li> <li><b>Type D</b> – 2-3kg of drill spoil composited over 4 metres. Sample obtained by spear sampling</li> </ul>





Criteria	JORC Code explanation	Commentary
<p><b>Quality of assay data and laboratory tests</b></p>	<ul style="list-style-type: none"> <li>• <i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i></li> <li>• <i>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.</i></li> <li>• <i>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</i></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Type E</b> – 2-3kg 4 metre composite obtained by unknown method</li> <li>• <b>Type F</b> – 2-3kg 6 metre composite obtained by spear sampling</li> <li>• <b>ANALYSIS METHOD</b>  <b>Type A</b> – Samples submitted to Australian Assay Laboratories (AAL) in Kalgoorlie/Leonora. The samples were numerically ordered then placed in ovens for drying. After drying they are pulverized to a nominal ~75 microns, 400-500 grams is then split off for weighing while the remainder is kept as a retain for reference checks if required. A 40 gram sample is then weighed off and under goes Aqua Regia acid digest using Hydrochloric and Nitric acids with a D.I.B.K. and Ortho-Phosphoric acid digest, before being read for gold by the Atomic Absorption Spectrometer to a 0.02 ppm level of detection.            After Aqua Regia digest 2.5ml is extracted and read on the AAS machine for arsenic to a 20ppm level of detection.  <b>Type B</b> – Samples submitted to Kalassays in Kalgoorlie. Samples analysed using a 40g charge aqua regia digest with ICP-MS analysis  <b>Type C</b> – analysis by Analabs in Perth. Samples dried, pulverized to &lt;75um. 400-500g split taken and 40g charge to aqua regia digest and AAS finish  <b>Type D</b> – Analabs Jundee Fire Assay method (F650). No further comment on method  <b>Type E</b> – Genalysis ppb (B)eta analysis  <b>Type F</b> – Fire Assay analysis at AAL  <b>Type G</b> – Analysis at Amdel Perth. Composite analysis via Aqua Regia with AAS finish, resamples via Fire Assay</li> </ul>



Criteria	JORC Code explanation	Commentary
		<ul style="list-style-type: none"> <li>• <b>QUALITY CONTROL SAMPLES</b>  <b>Type 1</b> – no QC samples noted  <b>Type 2</b> – QC samples inserted @EOH, roughly 1/40. No report discussion on type or results  <b>Type 3</b> – Duplicate samples in sequence 1/20. No report discussion on type or results  <b>Type 4</b> – QC sample inserted at every EOH. No report discussion on type or results</li> </ul>
<b>ANALYSIS METHOD</b>	<ul style="list-style-type: none"> <li>• The verification of significant intersections by either independent or alternative company personnel.</li> <li>• The use of twinned holes.</li> <li>• Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>• Discuss any adjustment to assay data.</li> </ul>	<ul style="list-style-type: none"> <li>• Data contained in open files reports and commentary detailing significant intersected were interrogated for all intercepts other than assay data for holes associated with open file reports 41860 and 42960</li> <li>• No open file report data could be located for hole TWRC4</li> <li>• Digital databases obtained from previous holders of tenure, being Fortis and Newmont</li> </ul>
<b>Location of data points</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Specification of the grid system used.</li> <li>• Quality and adequacy of topographic control.</li> </ul>	<ul style="list-style-type: none"> <li>• JD20 – local grid setout by surveyors using DGPS. Holes drilled on peg. No known survey pickup given local coordinate in collar file has no decimal points. Potential for incorrect conversion to GDA as hole locations on ground up to 100m away from plotted database coordinates.</li> <li>• AMG Zone 51 – report 77443 via DGPS, report 80775 via handheld GPS. Others have no comment regarding method, although presumed to be handheld GPS given broad nature of drilling</li> <li>• GVM – local grid setout by surveyors with theodolite</li> <li>• JUN – baseline surveyed with theodolite, crosslines with compass ad tape</li> <li>• JUNL2, MOILERS – surveyed with theodolite</li> <li>• MF5, IW10, OWE5 – local oblique grid with AMG source coordinates set out by theodolite, holes drilled on peg. No observable error although setout in same orientation as JD20 grid</li> </ul>



Criteria	JORC Code explanation	Commentary
<b>Data spacing and distribution</b>	<ul style="list-style-type: none"> <li>• <i>Data spacing for reporting of Exploration Results.</i></li> <li>• <i>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.</i></li> <li>• <i>Whether sample compositing has been applied.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Data spacing insufficient for reporting of a classified resource</li> </ul>
<b>Orientation of data in relation to geological structure</b>	<ul style="list-style-type: none"> <li>• <i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i></li> <li>• <i>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.</i></li> </ul>	<ul style="list-style-type: none"> <li>• The spacing of the exploration work undertaken to date combined with the lack of surface expression of mineralisation means that the orientation of mineralized structures has not been adequately determined</li> </ul>
<b>Sample security</b>	<ul style="list-style-type: none"> <li>• <i>The measures taken to ensure sample security.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Unaware of retention of samples from historical work</li> </ul>
<b>Audits or reviews</b>	<ul style="list-style-type: none"> <li>• <i>The results of any audits or reviews of sampling techniques and data.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Unaware as to the presence of audits on historical work</li> </ul>



## Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
<b>Mineral tenement and land tenure status</b>	<ul style="list-style-type: none"> <li>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</li> <li>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</li> </ul>	<ul style="list-style-type: none"> <li>Granted exploration licences E53/1856, E53/1859, E53/2078, E53/2079 comprise the Jundee South Project</li> <li>All licences are in good standing</li> </ul>
<b>Exploration done by other parties</b>	<ul style="list-style-type: none"> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	<ul style="list-style-type: none"> <li>Exploration has been undertaken by several companies, including – ASARCO, Dominion, Cyprus Gold, Great Central Mines, Eagle Mining, Hunter Resources, Wiluna Gold, Fortis, Aragon, Eon Metals, Chevron Exploration</li> </ul>
<b>Geology</b>	<ul style="list-style-type: none"> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>	<ul style="list-style-type: none"> <li>The exploration area is located in the Yandal Greenstone Belt. The belt forms part of the Norseman-Wiluna Belt within the Yilgarn Craton. Gold mineralisation is orogenic in nature with considerable dispersion from later weathering events.</li> </ul>
<b>Drill hole Information</b>	<ul style="list-style-type: none"> <li>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: <ul style="list-style-type: none"> <li>easting and northing of the drill hole collar</li> <li>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>dip and azimuth of the hole</li> <li>down hole length and interception depth</li> <li>hole length.</li> </ul> </li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>See Appendix A</li> </ul>
<b>Data aggregation methods</b>	<ul style="list-style-type: none"> <li>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.</li> <li>Where aggregate intercepts incorporate short lengths of high grade</li> </ul>	<ul style="list-style-type: none"> <li>Results reported have used a grade cut-off of 0.15ppm Au. Aggregating of results have been undertaken in such a way so as to maintain the composite grade above this cut-off</li> <li>High grade results (&gt;0.5ppm Au) within aggregated intercepts have</li> </ul>



Criteria	JORC Code explanation	Commentary
	<p>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.</p> <ul style="list-style-type: none"> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	<p>been tabulated as part of the intersection</p>
<b>Relationship between mineralisation and intercept lengths</b>	<ul style="list-style-type: none"> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> <li>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').</li> </ul>	<ul style="list-style-type: none"> <li>The exact geometry of mineralisation is unknown at this level of detail, hence the true width of mineralisation is unknown</li> </ul>
<b>Diagrams</b>	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>See relevant figures</li> </ul>
<b>Balanced reporting</b>	<ul style="list-style-type: none"> <li>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</li> </ul>	<ul style="list-style-type: none"> <li>The reported mineralised intercepts comprise 160 holes of a total of 5,500 identified holes within the 700km<sup>2</sup> Jundee South Project area</li> </ul>
<b>Other substantive exploration data</b>	<ul style="list-style-type: none"> <li>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, geotechnical and rock characteristics; potential deleterious or contaminating substances.</li> </ul>	<ul style="list-style-type: none"> <li>Exploration work has comprised surface mapping, surface sampling, drilling and various geophysical surveys</li> </ul>
<b>Further work</b>	<ul style="list-style-type: none"> <li>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> </ul>	<ul style="list-style-type: none"> <li>Work planned comprises ground magnetic surveys over selected areas, drilling to test geophysical anomalies and geochemical anomalies, ground truthing of existing anomalies and surface sampling</li> </ul>