

ASX Announcement

6 January 2025

6m @ 26.47g/t Au – Drilling Continues to Deliver High-Grade Gold at the Murchison

Assays from ongoing RC drilling at the Murchison Gold Project (“Murchison”) support the strong open pit production plan with mining commencing in the March 2025 quarter.

- RC drilling is ongoing at the open pit mining area in the Murchison where new results from Turnberry include:
 - **6m @ 26.47g/t Au** from 59m including **1m @ 154.50g/t Au** (24TBGC033)
 - **4m @ 30.19g/t Au** from 81m including **2m @ 58.03g/t Au** (24TBGC043)
 - **9m @ 12.77g/t Au** from 51m including **1m @ 27.90g/t Au** & **1m @ 43.60g/t Au** (24TBGC042)
 - **7m @ 12.59g/t Au** from 107m including **3m @ 21.53g/t Au** (24TBGC028)
 - **12m @ 6.27g/t Au** from 103m including **2m @ 28.30g/t Au** (24TBGC023)
- The strong results received continue to support and potentially improve the open pit production outlook in the Murchison.
- Assays have now been received for 42 of the 145 holes drilled to December 2024 (also see [ASX announcement, 18 Dec 2024](#)).
- RC drilling will continue through the March 2025 quarter at both Turnberry and St Anne’s.

Commenting on the drilling, Meeka’s Managing Director Tim Davidson said: “The consistent, high-grade results from this drilling highlight the strong production these pits will deliver in the coming months as we commence mining.

Pleasingly, we are seeing improved grade on the western side of the Turnberry South pit where previous drilling is sparse. Hole 24TBGC031 intersected 10m @ 2.58g/t Au outside and to the west of the pit shell (see Figure 3). This will be followed up and there is potential for expansion of the shallow oxide open pit in this area.

Further assays are expected in January 2025 from the remaining ~100 holes drilled during the December 2024 quarter. Drilling will also remain ongoing through the March 2025 quarter, finalising the grade control program and recommencing the Turnberry underground growth drilling.”

Meeka Metals Limited (“Meeka” or the “Company”) is pleased to report further high-grade assays from ongoing drilling at Turnberry, ahead of mining in the March 2025 quarter.

New results from Turnberry include:

- **6m @ 26.47g/t Au** from 59m including **1m @ 154.50g/t Au** (24TBGC033)
- **4m @ 30.19g/t Au** from 81m including **2m @ 58.03g/t Au** (24TBGC043)
- **9m @ 12.77g/t Au** from 51m including **1m @ 27.90g/t Au** and **1m @ 43.60g/t Au** (24TBGC042)
- **7m @ 12.59g/t Au** from 107m including **3m @ 21.53g/t Au** (24TBGC028)

- **12m @ 6.27g/t Au** from 103m including **2m @ 28.30g/t Au** and **1m @ 8.81g/t Au** (24TBGC023)
- **8m @ 5.12g/t Au** from 114m including **3m @ 9.90g/t Au** (24TBGC044)
- **6m @ 6.08g/t Au** from 59m including **1m @ 15.10g/t Au** and **1m @ 18.65g/t Au** (24TBGC027)
- **1m @ 29.20g/t Au** from 59m (24TBGC025)
- **11m @ 2.35g/t Au** from 85m including **1m @ 7.27g/t Au** (24TBGC023)
- **10m @ 2.58g/t Au** from 70m including **1m @ 9.45g/t Au** and **1m @ 11.60g/t Au** (24TBGC031)
- **21m @ 1.11g/t Au** from 90m including **1m @ 5.25g/t Au** (24TBGC043)
- **1m @ 19.55g/t Au** from 88m (24TBGC035)
- **1m @ 18.80g/t Au** from 65m (24TBGC032)
- **1m @ 17.80g/t Au** from 89m (24TBGC036)
- **1m @ 16.50g/t Au** from 57m (24TBGC046)
- **13m @ 1.25g/t Au** from 85m including **1m @ 4.93g/t Au** and **1m @ 4.99g/t Au** (24TBGC031)
- **3m @ 4.92g/t Au** from 66m including **1m @ 12.35g/t Au** (24TBGC035)
- **6m @ 2.28g/t Au** from 121m including **1m @ 7.20g/t Au** (24TBGC023)
- **1m @ 14.10g/t Au** from 52m (24TBGC027)
- **5m @ 2.13g/t Au** from 106m including **1m @ 8.32g/t Au** (24TBGC036)
- **1m @ 11.35g/t Au** from 82m (24TBGC030)

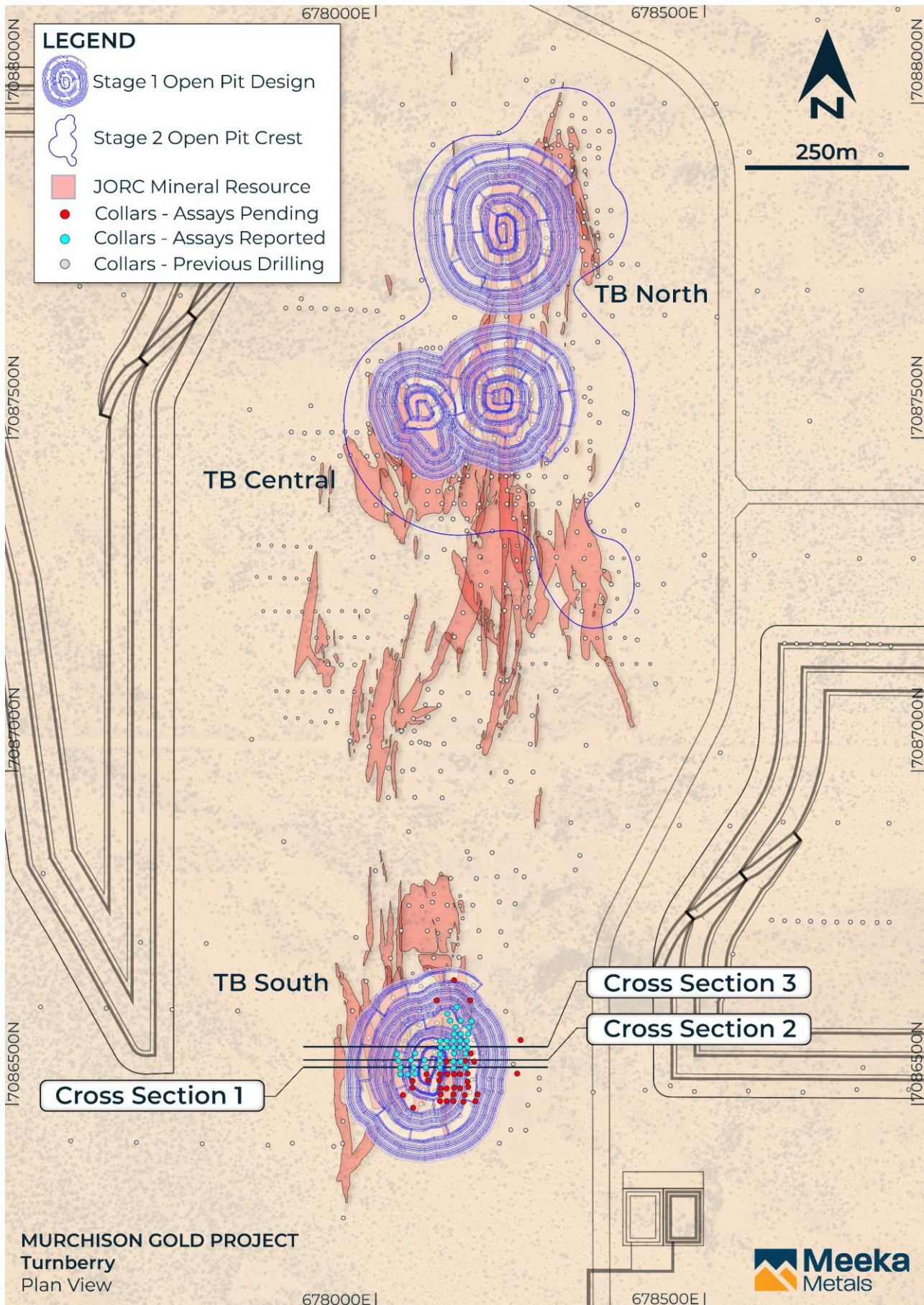


Figure 1: Plan showing new Turnberry drill hole collar locations and cross section positions.

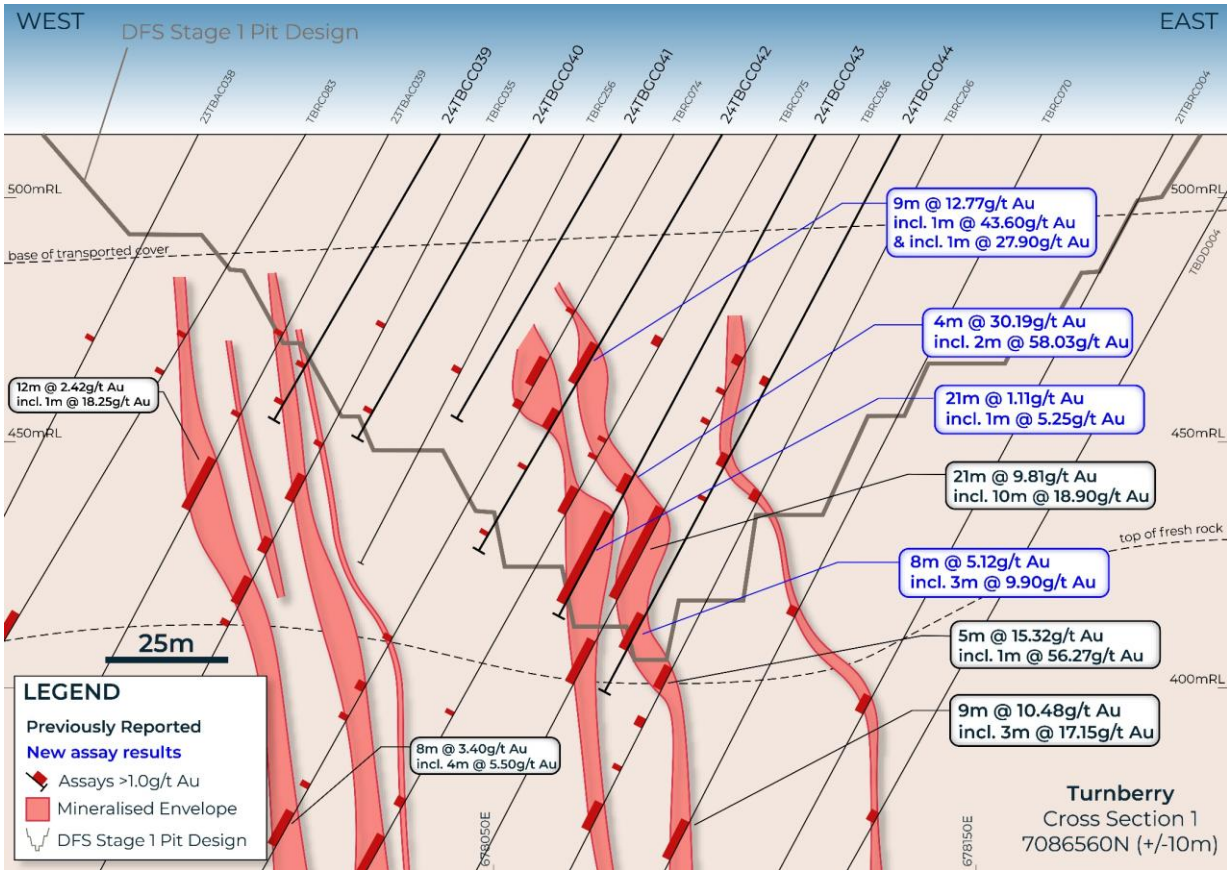


Figure 2: Cross section 1 (7086570N) showing high-grade drill results at Turnberry.

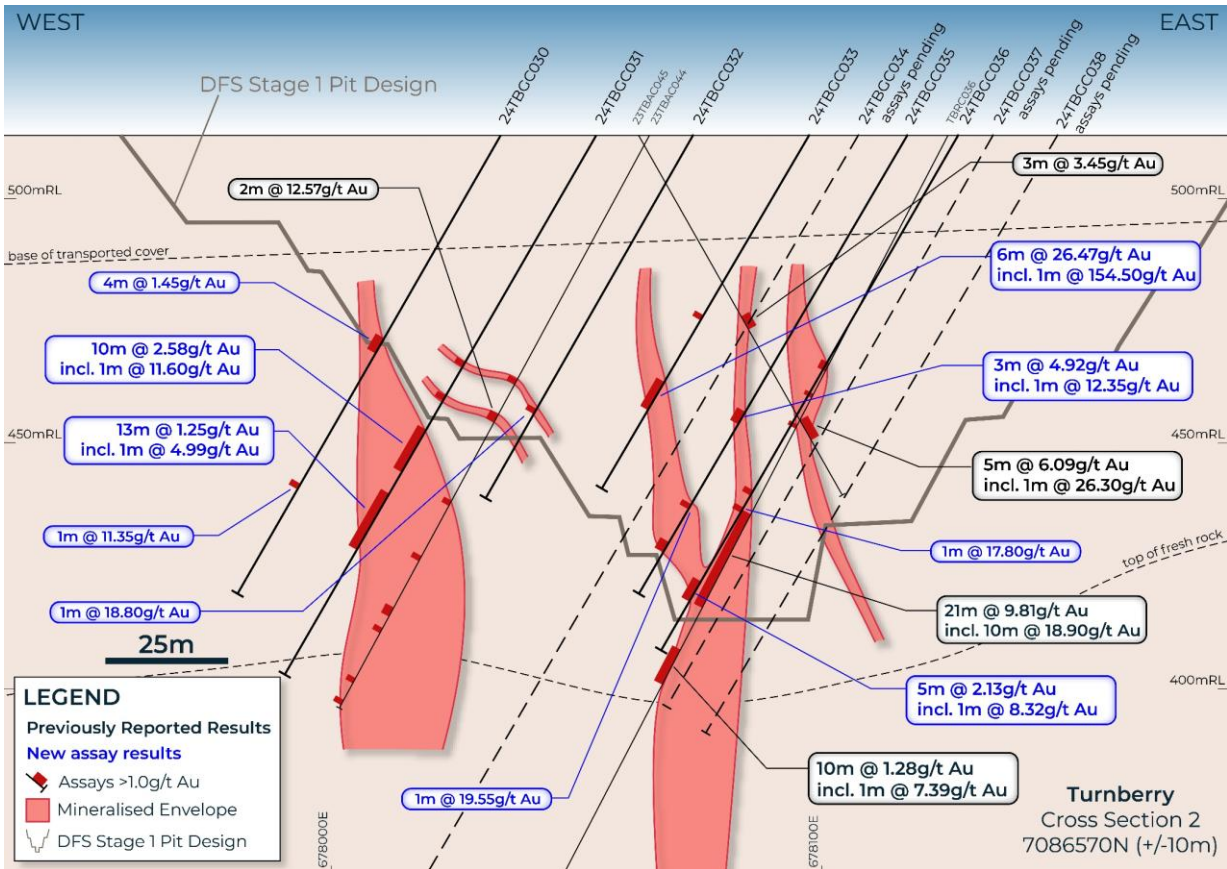


Figure 3: Cross section 2 (7086560N) showing high-grade drill results at Turnberry South.

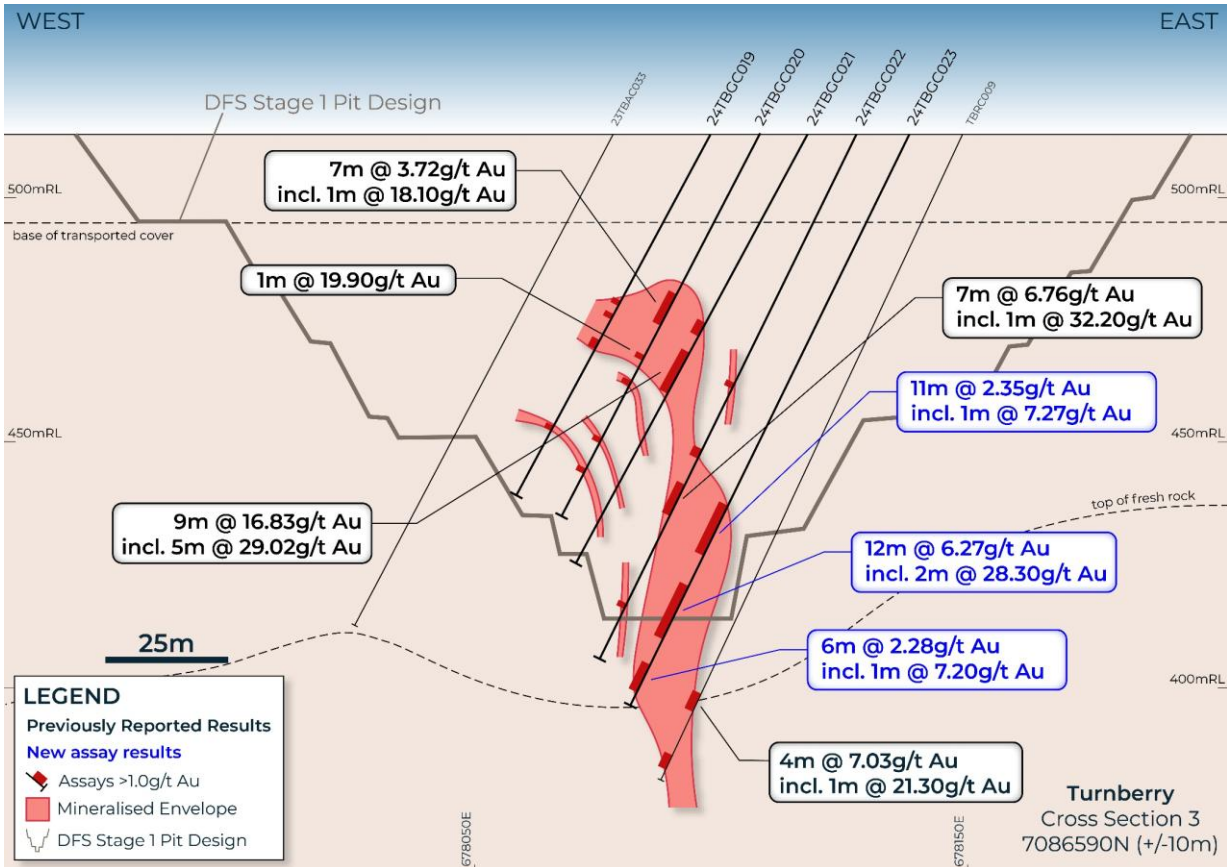


Figure 4: Cross section 3 (7086590N) showing high-grade drill results at Turnberry South.

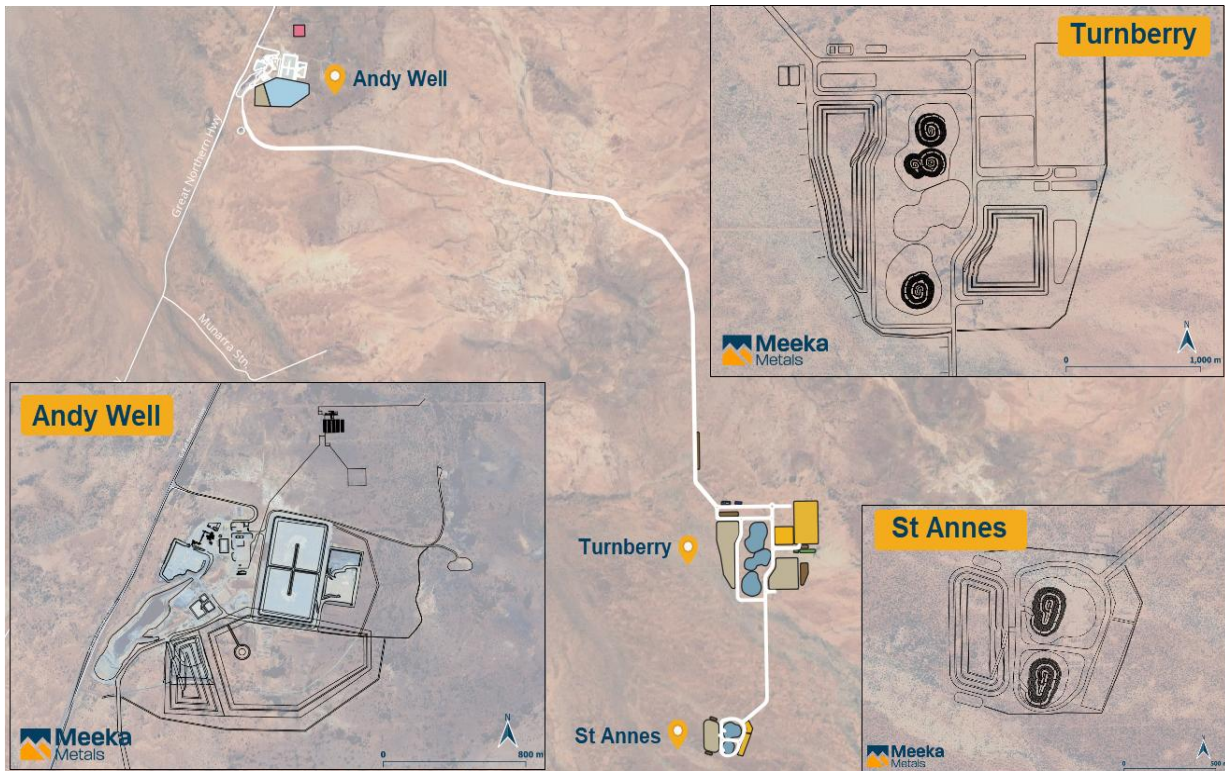
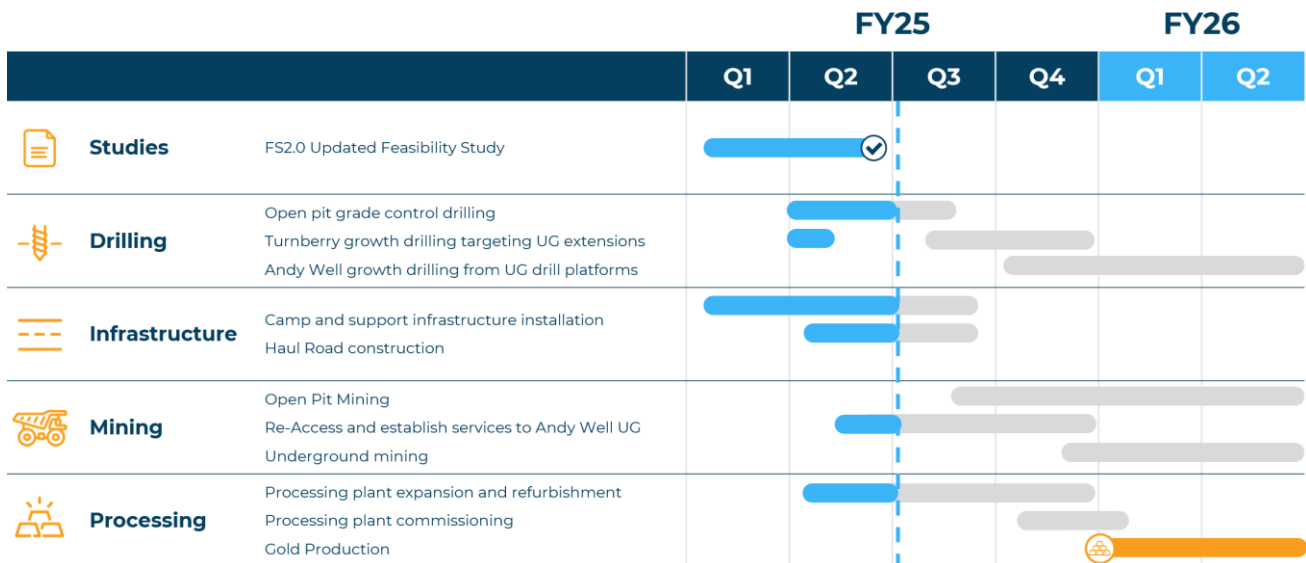


Figure 5: Murchison site layout.

Looking Forward Through FY26



Major activities by quarter are summarised above and detailed below:

- **January 2025:** construction of 20km haul road between the processing plant and the open pit mining centre (underway).
- **January 2025:** process plant upgrade and refurbishment works (underway).
- **January 2025:** grade control drilling of the shallow, high-grade oxide starter pits at Turnberry and St Anne's to accelerate production and improve productivity (underway).
- **January 2025:** drilling of depth extensions below the Turnberry open pits to expand the underground production plan.
- **January 2025:** commission the accommodation village and administration infrastructure (underway).
- **January 2025:** re-access and establish services to the high-grade Andy Well underground mine (underway).
- **February 2025:** commission the new administration and support facilities at the Turnberry mining centre.
- **February 2025:** mobilise open pit mining fleet (formal award of open pit mining contract occurred in December 2024).
- **March 2025:** commence open pit mining.
- **June 2025:** commence process plant commissioning.
- **June 2025:** drilling of depth extensions at Andy Well from underground drill platforms.

This announcement has been authorised for release by the Company's Board of Directors.

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ABOUT MEEKA

Meeka Metals Limited has a portfolio of high quality 100% owned projects across Western Australia.

Murchison Gold Project

Meeka's flagship Murchison Gold Project hosts a large high-grade 1.2Moz @ 3g/t Au Mineral Resource on granted Mining Leases.

The Murchison Gold Project Definitive Feasibility Study released in December 2024 focusses on restarting the fully permitted Andy Well mill. The Study outlines a 10-year production plan up to 76koz pa (averaging 65koz pa for first 7 years), undiscounted pre-tax free cash flow of \$1B, NPV_{8%} of \$616M and IRR of 180%.

Site activity is ramping up with open pit mining commencing in the March 2025 quarter and process plant commissioning in the June 2025 quarter. First gold is targeted for mid-2025.

Circle Valley

In addition, Meeka owns the Circle Valley Project in the Albany-Fraser Mobile Belt (also host to the Tropicana gold mine – 3Moz past production). Gold mineralisation has been identified in four separate locations at Circle Valley and presents an exciting growth opportunity for the Company.

COMPETENT PERSON'S STATEMENT

The information that relates to Exploration Results as those terms are defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves', is based on information reviewed by Mr James Lawrence, a Competent Person who is a member of the Australasian Institute of Mining and Metallurgy. Mr Lawrence is a full-time employee of the Company. Mr Lawrence has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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 Lawrence consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information that relates to the Mineral Resource for Turnberry was first reported by the Company on 6 May 2024. The information that relates to the Mineral Resource for St Anne's was first reported by the Company on 17 April 2024. The information that relates to the Mineral Resource for Andy Well was first reported by the Company on 21 December 2020. The Company is not aware of any new information or data that materially affects the information included in these announcements and that all material assumptions and technical parameters underpinning the estimates 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 announcement.

The information that relates to Ore Reserves, production targets and forecast financial information for the Murchison Gold Project was first reported by the Company on 12 December 2024. The Company is not aware of any new information or data that materially affects the information included in this announcement and that all material assumptions and technical parameters underpinning the estimates 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 announcement.

FORWARD LOOKING STATEMENTS

Certain statements in this report relate to the future, including forward looking statements relating to the Company's financial position, strategy and expected operating results. These forward-looking statements involve known and unknown risks, uncertainties, assumptions and other important factors that could cause the actual results, performance or achievements of the Company to be materially different from future results, performance or achievements expressed or implied by such statements. Actual events or results may differ materially from the events or results expressed or implied in any forward-looking statement and deviations are both normal and to be expected. Other than required by law, neither the Company, their officers nor any other person gives any representation, assurance or guarantee that the occurrence of the events expressed or implied in any forward-looking statements will actually occur. You are cautioned not to place undue reliance on those statements.

DRILLING DATA

Table 1 – Collar Table

Drill Hole ID	Type	Easting	Northing	RL	Azimuth (Degrees)	Dip (Degrees)	End of Hole (m)
24TBGC001	RC	678122	7086650	513	270	-60	62
24TBGC004	RC	678108	7086640	513	270	-60	52
24TBGC006	RC	678112	7086630	513	270	-60	71
24TBGC007	RC	678128	7086630	513	270	-60	73
24TBGC008	RC	678144	7086629	513	270	-60	101
24TBGC009	RC	678120	7086620	513	270	-60	73
24TBGC010	RC	678140	7086620	513	270	-60	73
24TBGC011	RC	678118	7086610	513	270	-60	73
24TBGC012	RC	678128	7086610	513	270	-60	84
24TBGC013	RC	678139	7086610	513	270	-60	95
24TBGC014	RC	678097	7086600	513	270	-60	78
24TBGC015	RC	678107	7086600	513	270	-60	84
24TBGC016	RC	678117	7086600	513	270	-60	104
24TBGC017	RC	678127	7086600	513	270	-60	101
24TBGC019	RC	678098	7086590	513	270	-60	84
24TBGC020	RC	678108	7086590	513	270	-60	88
24TBGC021	RC	678117	7086590	513	270	-60	100
24TBGC022	RC	678127	7086590	513	270	-60	120
24TBGC023	RC	678138	7086590	513	270	-60	130
24TBGC024	RC	678033	7086580	512	270	-60	63
24TBGC025	RC	678060	7086581	512	270	-60	82
24TBGC026	RC	678097	7086580	513	270	-60	84
24TBGC027	RC	678118	7086581	513	270	-60	108
24TBGC028	RC	678135	7086581	513	270	-60	132
24TBGC029	RC	678143	7086581	514	270	-60	131
24TBGC030	RC	678035	7086570	513	270	-60	107
24TBGC031	RC	678054	7086571	512	270	-60	127
24TBGC032	RC	678074	7086571	512	270	-60	86
24TBGC033	RC	678097	7086570	513	270	-60	84
24TBGC034	RC	678107	7086569	513	270	-60	84
24TBGC035	RC	678117	7086569	513	270	-60	108
24TBGC036	RC	678128	7086569	513	270	-60	122
24TBGC037	RC	678135	7086570	513	270	-60	133
24TBGC038	RC	678148	7086569	513	270	-60	140
24TBGC039	RC	678038	7086560	512	270	-60	68
24TBGC040	RC	678058	7086560	513	270	-60	72
24TBGC041	RC	678076	7086560	513	270	-60	68
24TBGC042	RC	678097	7086560	513	270	-60	100
24TBGC043	RC	678117	7086559	513	270	-60	114
24TBGC044	RC	678135	7086560	513	270	-60	135
24TBGC045	RC	678038	7086550	513	270	-60	55
24TBGC046	RC	678049	7086550	513	270	-60	68
24TBGC047	RC	678060	7086551	513	270	-60	84
24TBGC048	RC	678077	7086550	513	270	-60	196
24TBGC049	RC	678097	7086550	513	270	-60	100
24TBGC050	RC	678108	7086550	513	270	-60	100
24TBGC051	RC	678118	7086550	513	270	-60	120
24TBGC052	RC	678127	7086550	513	270	-60	120
24TBGC053	RC	678138	7086551	514	270	-60	260
24TBGC054	RC	678056	7086540	513	270	-60	150
24TBGC055	RC	678079	7086541	513	270	-60	89
24TBGC056	RC	678096	7086541	513	270	-60	108
24TBGC058	RC	678138	7086539	513	270	-60	132

Drill Hole ID	Type	Easting	Northing	RL	Azimuth (Degrees)	Dip (Degrees)	End of Hole (m)
24TBGC059	RC	678056	7086530	513	270	-60	74
24TBGC060	RC	678098	7086529	513	270	-60	100
24TBGC061	RC	678107	7086529	513	270	-60	108
24TBGC062	RC	678118	7086530	513	270	-60	119
24TBGC063	RC	678127	7086529	513	270	-60	130
24TBGC064	RC	678139	7086531	513	270	-60	255
24TBGC065	RC	678098	7086520	513	270	-60	175
24TBGC066	RC	678117	7086520	513	270	-60	119
24TBGC067	RC	678134	7086519	513	270	-60	58
24TBGC068	RC	678153	7086520	513	270	-60	75
24TBGC069	RC	678042	7086519	513	270	-60	56
24TBGC070	RC	678097	7086510	513	270	-60	84
24TBGC071	RC	678107	7086510	513	270	-60	100
24TBGC072	RC	678117	7086510	513	270	-60	100
24TBGC073	RC	678132	7086509	513	270	-60	66
24TBGC074	RC	678150	7086510	513	270	-60	75
24TBGC075	RC	678057	7086500	513	270	-60	65
24SAGC001	RC	677559	7083450	517	270	-60	54
24SAGC002	RC	677570	7083450	517	270	-60	70
24SAGC003	RC	677579	7083450	517	270	-60	60
24SAGC004	RC	677570	7083440	517	270	-60	70
24SAGC005	RC	677560	7083430	517	270	-60	77
24SAGC006	RC	677572	7083430	517	270	-60	94
24SAGC007	RC	677584	7083430	517	270	-60	110
24SAGC008	RC	677550	7083420	517	270	-60	60
24SAGC009	RC	677561	7083420	517	270	-60	90
24SAGC010	RC	677579	7083420	516	270	-60	110
24SAGC011	RC	677549	7083410	517	270	-60	65
24SAGC012	RC	677559	7083409	517	270	-60	85
24SAGC013	RC	677574	7083410	517	270	-60	110
24SAGC014	RC	677551	7083400	517	270	-60	78
24SAGC015	RC	677570	7083400	517	270	-60	80
24SAGC016	RC	677550	7083390	517	270	-60	75
24SAGC017	RC	677560	7083390	517	270	-60	91
24SAGC018	RC	677569	7083390	517	270	-60	106
24SAGC019	RC	677528	7083380	517	270	-60	60
24SAGC020	RC	677549	7083379	517	270	-60	70
24SAGC021	RC	677568	7083380	517	270	-60	90
24SAGC022	RC	677530	7083370	517	270	-60	30
24SAGC023	RC	677541	7083370	517	270	-60	100
24SAGC024	RC	677551	7083370	517	270	-60	60
24SAGC025	RC	677559	7083370	517	270	-60	100
24SAGC026	RC	677568	7083370	517	270	-60	90
24SAGC027	RC	677527	7083360	517	270	-60	42
24SAGC028	RC	677546	7083360	517	270	-60	70
24SAGC029	RC	677567	7083360	517	270	-60	106
24SAGC030	RC	677530	7083350	517	270	-60	54
24SAGC031	RC	677539	7083350	517	270	-60	66
24SAGC032	RC	677549	7083351	517	270	-60	79
24SAGC033	RC	677559	7083350	517	270	-60	92
24SAGC034	RC	677525	7083340	517	270	-60	44
24SAGC035	RC	677548	7083340	517	270	-60	78
24SAGC036	RC	677533	7083330	517	270	-60	59
24SAGC037	RC	677552	7083329	517	270	-60	80
24SAGC038	RC	677530	7083321	517	270	-60	64
24SAGC039	RC	677549	7083320	517	270	-60	112
24SAGC040	RC	677530	7083310	517	270	-60	64

Drill Hole ID	Type	Easting	Northing	RL	Azimuth (Degrees)	Dip (Degrees)	End of Hole (m)
24SAGC041	RC	677541	7083310	517	270	-60	82
24SAGC042	RC	677537	7083374	517	270	-60	100
24SAGC089	RC	677645	7083420	517	270	-60	100
24SAGC090	RC	677654	7083420	517	270	-60	100
24SAGC091	RC	677638	7083410	517	270	-60	100
24SAGC092	RC	677647	7083410	517	270	-60	100
24SAGC093	RC	677657	7083410	517	270	-60	100
24SAGC094	RC	677667	7083411	517	270	-60	100
24SAGC095	RC	677636	7083400	517	270	-60	100
24SAGC096	RC	677656	7083400	517	270	-60	100
24SAGC097	RC	677639	7083390	517	270	-60	100
24SAGC098	RC	677647	7083388	517	270	-60	100
24SAGC099	RC	677658	7083390	517	270	-60	100
24SAGC100	RC	677668	7083390	517	270	-60	100
24SAGC101	RC	677677	7083390	517	270	-60	100
24SAGC102	RC	677638	7083380	517	270	-60	100
24SAGC103	RC	677645	7083380	517	270	-60	100
24SAGC104	RC	677659	7083380	517	270	-60	100
24SAGC105	RC	677673	7083380	517	270	-60	100
24SAGC106	RC	677638	7083370	517	270	-60	100
24SAGC107	RC	677648	7083365	517	270	-60	100
24SAGC108	RC	677658	7083370	517	270	-60	100
24SAGC109	RC	677668	7083370	517	270	-60	100
24SAGC110	RC	677678	7083370	516	270	-60	84
24SAGC111	RC	677639	7083360	517	270	-60	100
24SAGC112	RC	677658	7083360	517	270	-60	100
24SAGC113	RC	677677	7083360	517	270	-60	100
24SAGC114	RC	677639	7083350	517	270	-60	100
24SAGC115	RC	677648	7083350	517	270	-60	100
24SAGC116	RC	677658	7083350	517	270	-60	60

Table 2 – Significant Intersections (>0.5g/t Au)

Drill Hole ID	Downhole From (m)	Downhole To (m)	Downhole Intersection (m)	Au (g/t)
24TBGC004				NSI
24TBGC006	46	47	1	1.36
24TBGC006	66	67	1	2.14
24TBGC023	85	96	11	2.35
incl.	91	92	1	7.27
24TBGC023	103	115	12	6.27
incl.	106	108	2	28.30
and incl.	111	112	1	8.81
24TBGC023	121	127	6	2.28
incl.	121	122	1	7.20
24TBGC024	45	46	1	0.81
24TBGC025	46	47	1	3.61
24TBGC025	59	60	1	29.20
24TBGC025	62	63	1	0.56
24TBGC025	76	77	1	0.69
24TBGC026	40	41	1	0.54
24TBGC026	46	47	1	0.51
24TBGC027	42	43	1	0.86
24TBGC027	52	53	1	14.10

Drill Hole ID	Downhole From (m)	Downhole To (m)	Downhole Intersection (m)	Au (g/t)
24TBGC027	59	65	6	6.08
incl.	59	60	1	15.10
and incl.	63	64	1	18.65
24TBGC027	83	84	1	1.97
24TBGC028	74	76	2	3.61
24TBGC028	92	93	1	0.58
24TBGC028	95	100	5	1.02
24TBGC028	107	114	7	12.59
incl.	110	113	3	21.53
24TBGC028	118	119	1	1.37
24TBGC028	122	123	1	0.81
24TBGC030	48	52	4	1.45
24TBGC030	82	83	1	11.35
24TBGC030	96	97	1	0.61
24TBGC031	54	55	1	3.54
24TBGC031	58	59	1	0.89
24TBGC031	62	63	1	1.10
24TBGC031	70	80	10	2.58
incl.	70	71	1	9.45
and incl.	74	75	1	11.60
24TBGC031	85	98	13	1.25
incl.	92	93	1	4.93
and incl.	97	98	1	4.99
24TBGC031	102	103	1	0.85
24TBGC031	124	126	2	0.70
24TBGC031	124	126	2	0.70
24TBGC032	65	66	1	18.80
24TBGC033	43	44	1	4.18
24TBGC033	59	65	6	26.47
incl.	59	60	1	154.50
24TBGC035	66	69	3	4.92
incl.	67	68	1	12.35
24TBGC035	88	89	1	19.55
24TBGC035	95	99	4	0.77
24TBGC035	103	104	1	0.69
24TBGC036	55	57	2	4.15
24TBGC036	63	64	1	1.21
24TBGC036	85	86	1	1.18
24TBGC036	89	90	1	17.80
24TBGC036	106	111	5	2.13
incl.	106	107	1	8.32
24TBGC036	119	121	2	0.88
24TBGC039	38	39	1	0.65
24TBGC039	43	44	1	0.63
24TBGC039	46	47	1	0.63
24TBGC039	55	56	1	9.79
24TBGC039	60	62	2	0.68
24TBGC039	64	65	1	3.70
24TBGC040	66	67	1	1.27
24TBGC041				NSI
24TBGC042	51	60	9	12.77
incl.	55	56	1	27.90
and incl.	59	60	1	43.60
24TBGC042	67	71	4	1.49

Drill Hole ID	Downhole From (m)	Downhole To (m)	Downhole Intersection (m)	Au (g/t)
24TBGC042	80	81	1	1.44
24TBGC042	96	97	1	2.51
24TBGC043	81	85	4	30.19
incl.	81	83	2	58.03
24TBGC043	90	111	21	1.11
incl.	103	104	1	5.25
24TBGC044	55	56	1	0.69
24TBGC044	58	60	2	1.02
24TBGC044	76	79	3	1.95
24TBGC044	86	87	1	0.96
24TBGC044	114	122	8	5.12
incl.	117	120	3	9.90
24TBGC044	126	131	5	0.73
24TBGC045	45	48	3	0.79
24TBGC045	52	54	2	2.31
24TBGC046	57	58	1	16.50
24TBGC047				NSI

JORC 2012 – TABLE 1: TURNBERRY

Section 1 Sampling Techniques and Data

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

CRITERIA	JORC CODE EXPLANATION	COMMENTARY
Sampling techniques	<p>Nature and quality of sampling (e.g. 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.</p> <p>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</p> <p>Aspects of the determination of mineralisation that are Material to the Public Report.</p> <p>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.</p>	<p>One metre primary samples and three metre composite samples were collected via reverse circulation (RC) drilling.</p> <p>Additional sampling of diamond core was conducted more selectively to understand controls on mineralisation and collect density data.</p> <p>The quality of the samples were actively monitored and evaluated using various quality control techniques.</p> <p>The majority of sampling occurred in the near-completely oxidised regolith clays RC methods..</p> <p>Diamond core drilling has been used to verify key air core drilled intersections.</p> <p>Reverse circulation and diamond core drilling techniques are typical and appropriate for the style of mineralisation being estimated.</p> <p>The quality of the sampling is deemed to be appropriate and fit-for-purpose of mineral resource estimation.</p> <p>Various measures were employed to monitor and assure the quality of samples collected. Such measures include:</p> <p>Every effort is made to drill dry samples. Where wet samples are drilled they are logged as wet and the quality of these samples are taken into account in the resource estimation.</p> <p>Qualitative active monitoring of sample recovery and photographing of drill samples at the end of hole to assess sample recovery.</p> <p>The calibration of scales used for the collection of wet-dry Archimedes density data using a calibration weight during the collection process.</p> <p>Internal calibration checks were performed by the pXRF analyser daily.</p> <p>Calibration of the DGPS instrument was performed before the travelled to site for each surveying campaign. For exploration samples gold mineralisation was initially determined with ~3kg, speared, four metre composite samples which were dried, crushed and pulverised with a 50g sample fire assayed and analysed using atomic absorption spectrometry.</p> <p>Mineralised composites greater than 0.3 g/t had their respective 1m, ~2-3kg, cone split samples collected and submitted for either fire assay or photon analysis. Fire assay was as described above and photon assay involves drying the sample, fine crushing to 90% passing -3mm and a 500g sub-sample is put in a photon assay jar and analysed for gold.</p>

CRITERIA	JORC CODE EXPLANATION	COMMENTARY
		<p>1m grade control samples were fire assayed as per the above method.</p> <p>Mineralisation determined qualitatively through monitoring presence of sulphide, quartz veining and visible gold. Additional mineralisation was qualitatively determined using pXRF analysis for pathfinder geochemistry which maps the mineralisation.</p> <p>pXRF analyses for alteration and common rock-forming elements was carried out on every metre by taking a small ~50g sample from the AC/RC fines and analysing with the Olympus Vanta VMR XRF Analyser using all 3 beams for 15 seconds each.</p>
Drilling techniques	<p>Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. 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).</p>	<p>A combination of AC drilling with 4 inch cutting blade bits and smaller-format 4-inch face sampling hammer bits, RC drilling with 5.5 inch face sampling hammers and triple tube HQ3 and NQ diamond core tails were used to obtain samples.</p> <p>Air drilling was performed with the multi-purpose (AC and RC) Schramm T450 rig with 400psi/1240cfm onboard air for AC drilling and the addition of 350psi/1350cfm compressor and 1000psi booster when drilling deeper or drilling RC. The rig runs 3.5 inch rods and a 3inch diameter sample hose.</p> <p>Diamond core was collected using triple-tube methods in the clays and conventional methods in fresh rock NQ diamond tails. All core was oriented wherever possible using Reflex orientation instruments.</p>
Drill sample recovery	<p>Method of recording and assessing core and chip sample recoveries and results assessed.</p> <p>Measures taken to maximise sample recovery and ensure representative nature of the samples.</p> <p>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.</p>	<p>Visual assessment of sample recovery monitored and communicated with drillers. Photographs of drill sample at the end of each hole as a visual record of recovery from each hole.</p> <p>Core, assessed during drilling for loss, loss intervals recorded on core blocks by drillers. Core markup conducted by field technicians to assess core recovery and recoveries are logged by geologist.</p> <p>Larger format 4 inch AC blade bits were used with appropriate onboard air volume and pressure to maximise recovery regolith clays.</p> <p>A booster and auxiliary compressor were used to drill RC holes to ensure appropriate air pressure to drill holes dry and lift total samples.</p> <p>HQ3 triple tube techniques were used when diamond drilling to maximise recovery through the regolith clays.</p> <p>As sample recoveries are generally very high, there is no known relationship between sample recovery and grade.</p> <p>The qualitative data available and recent drilling conducted by MEK indicate there is no relationship between recovery and grade.</p>
Logging	<p>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral</p>	<p>Holes logged to a level of detail to support mineral resource estimation, mining studies and</p>

CRITERIA	JORC CODE EXPLANATION	COMMENTARY
	<p>Resource estimation, mining studies and metallurgical studies.</p> <p>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</p> <p>The total length and percentage of the relevant intersections logged.</p>	<p>metallurgy studies: lithology; alteration; mineralisation; geotechnical; structural.</p> <p>Qualitative: geological data (lithology, alteration, mineralogy, veining etc.)</p> <p>Quantitative: structural orientation angles; geotechnical and geochemical data.</p> <p>A handheld pXRF instrument was used to collect continuous geochemical data to assist with logging.</p> <p>Core photography or the whole hole wet and photography or sample piles at the completion of each drillhole.</p> <p>All holes logged and chipped for entire length of hole. All chip trays and diamond core archived for future reference.</p>
<p>Sub-sampling techniques and sample preparation</p>	<p>If core, whether cut or sawn and whether quarter, half or all core taken.</p> <p>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</p> <p>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</p> <p>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</p> <p>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.</p> <p>Whether sample sizes are appropriate to the grain size of the material being sampled.</p>	<p>Core diamond tails were half cored with an Almonte core saw.</p> <p>The HQ3 triple tubed holes were whole core sampled apart from the quartz veins which were half core sampled.</p> <p>All 3 m composites were spear sampled.</p> <p>All air drilled 1 m primary samples were split using a gravity fed fixed cone splitter system, predominantly dry. Where samples were split wet these samples were logged as wet samples and the sample system cleaned and dried to minimise bias and contamination.</p> <p>The subsampling technique applied to the RC and AC samples is considered industry standard, with measures in place to maximise recovery and minimise contamination.</p> <p>This includes the application of a cone splitter which allows for a more consistent sample split. In addition, the samples are kept dry using appropriate downhole air pressure within the reverse circulation system. The samples delineation is actively controlled.</p> <p>Diamond core followed half-core sampling techniques. Core was cut along the orientation line and the same half of core was always submitted for analysis.</p> <p>Recovery was logged and accounted for in the logging and sampling.</p> <p>Air drilled (RC and AC) samples were presented to a gravity fed cone splitter to produce a ~3kg sub-sample for each metre. Samples were pulverised to 85% passing 75 microns. The pulp split is scooped from the pulverised pulp sample.</p> <p>For photon analysis the cone split sample is crushed to 90% passing -3mm and a 500g split is taken to fill the photon analysis jar. No duplicates were included in this sample stream.</p> <p>Pulp duplicates taken at the pulverising stage and selective repeats conducted at the laboratory's discretion.</p> <p>No twin drilling has been completed for the project but close spaced diamond drilling of some of the key mineralised areas drilled with</p>

CRITERIA	JORC CODE EXPLANATION	COMMENTARY
		<p>AC have been drilled. These holes return similar grade tenor and distributions as the AC holes.</p> <p>Field duplicates are taken from the cone splitter using the second shoot every 20 samples. These are analysed when included in a mineralised interval identified by the composite samples.</p> <p>No field duplicates are included in the core sample stream. Using two quarter cores as duplicates significantly reduces the sample support of the “duplicates” and sampling of the second half of diamond core leaves no core for future reference.</p> <p>In the Competent Person’s opinion, the sample size is appropriate for the grain size of the material being sampled. The first split sizes are industry standard and considered appropriate for the mineralisation style. A 50g fire assay is considered the optimal sample size considering practical and economic constraints. The 500g Photon sample is a further improvement in sample support.</p>
<p>Quality of assay data and laboratory tests</p>	<p>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</p> <p>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.</p> <p>Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.</p>	<p>Fire assay, total technique, with AAS finish is appropriate for gold.</p> <p>Photon assay is considered a total technique and appropriate for gold.</p> <p>In the Competent Person’s opinion, the analysis methods employed are appropriate for the mineralisation style and use in mineral resource estimation.</p> <p>pXRF analysis data were collected for most drilling included in the resource definition programme to support geological modelling. An Olympus Vanta VMR pXRF analyser with a 50kV x-ray tube and a Rh anode was used for the programme in geochemical mode with all three beams set to 15 seconds. Each day the instrument internally calibrates itself to ensure it is operating within factory specifications. No calibrations have been applied.</p> <p>Certified reference material: 1:25 samples</p> <p>Blanks: coarse blank nominally 1:100; lab - barren quartz flush</p> <p>Field: RC – duplicate taken from second chute on fixed cone splitter at a rate of 1:20.</p> <p>Pulp duplicates selected by the laboratory.</p> <p>In the Competent Person’s opinion, the lab performed acceptably, with acceptable levels of accuracy and precision established. The quality of analysis is appropriate for mineral resource estimation.</p>
<p>Verification of sampling and assaying</p>	<p>The verification of significant intersections by either independent or alternative company personnel.</p> <p>The use of twinned holes.</p> <p>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</p>	<p>All sampling is routinely inspected by senior geological staff.</p> <p>No holes have been twinned at this stage. However key mineralised zones have been core drilled in the centre of a dice-5 pattern to verify high-grade intervals defined from AC.</p> <p>Data stored in Datashed database on internal company server, logging performed on LogChief</p>

CRITERIA	JORC CODE EXPLANATION	COMMENTARY
	Discuss any adjustment to assay data.	and synchronised to Datashed database, data validated by database administrator, import validate protocols in place. Visual validation in Leapfrog by Company geologists. In the Competent Person's opinion, data collection, management and storage is robust and provides a reliable data set to produce a mineral resource estimate. No adjustments made to assay data. First gold assay is utilized for any resource estimation.
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. Specification of the grid system used. Quality and adequacy of topographic control.	Collars: surveyed with RTK GPS. Downhole: surveyed with in-rod Reflex or Axis tool; conventional or north-seeking gyro tool, in-rod or open hole. In the Competent Person's opinion, the accuracy and quality of the drill hole location data is appropriate for use in mineral resource estimation. MGA94 - Zone 50. Topographic data generated using high resolution photogrammetric techniques.
Data spacing and distribution	Data spacing for reporting of Exploration Results. 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. Whether sample compositing has been applied.	Drill hole spacing across the deposit is nominally 20m x 20m at shallow depths (0-100m) and 50x50m to 50m x 100m at deeper depths (>100m). Grade control spacing is 10m x 10m through mineralised zones. Yes. Not applicable, as mineralised 3m composites samples (>0.3 g/t) had their respective 1m samples subsequently assayed which take precedence.
Orientation of data in relation to geological structure	Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. 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.	Drill holes oriented at right angles to strike of deposit, dip optimized for drillability and dip of orebody, sampling believed to be unbiased. There is no apparent bias in any of the drilling orientations used.
Sample security	The measures taken to ensure sample security.	All samples are selected, cut and bagged in a tied, numbered calico bag, grouped into larger polyweave bags. Polyweave bags are placed into larger bulker bags with a sample submission sheet and tied shut. Consignment note and delivery address details are written on the side of the bag and delivered to Toll Express in Meekatharra or collected by Dananni Haulage later in the programme. The bags are delivered directly to ALS in Perth, WA who are NATA accredited for compliance with ISO/IEC17025:2005. ALS reconcile the physical samples delivered against the sample submission and communicate any errors identified.

CRITERIA	JORC CODE EXPLANATION	COMMENTARY
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	No independent reviews of QAQC have been conducted for the Turnberry drilling.

Section 2 Reporting of Exploration Results

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

CRITERIA	JORC CODE EXPLANATION	COMMENTARY
Mineral tenement and land tenure status	<p>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.</p> <p>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.</p>	<p>Meeka Metals Limited control 100% interest in M51/882 and the tenement is in good standing.</p> <p>M51/882 is located within the Yugunga-Nya Native Title determination area.</p> <p>Heritage surveys have been conducted over active exploration areas.</p> <p>Teck holds an 8.8% net profit interest which is paid only after all expenses incurred by the project (including historical exploration expenses) are recovered by Meeka Metals Limited.</p> <p>Milestone payments of \$5/oz produced are to be paid to Archean Star Resources Australia Pty Ltd, capped at \$1m.</p>
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Historical exploration was carried out at Turnberry by ASRA, Teck and Newcrest including drilling and geophysics.
Geology	Deposit type, geological setting and style of mineralisation.	Geology consists of Archean aged orogenic style mineralisation. Primary mineralisation is interpreted to be hosted within shear zone(s) +/- stringer quartz veins within both mafic and felsic lithologies. Some supergene mineralisation is developed locally and defined by ferruginous red saprolite clays.
Drill hole Information	<p>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:</p> <p>easting and northing of the drill hole collar</p> <p>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</p> <p>dip and azimuth of the hole</p> <p>down hole length and interception depth</p> <p>hole length.</p> <p>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.</p>	All drill results have been reported to the ASX in line with ASIC requirements, and available from previous announcements at https://meekametals.com.au/asx-announcements/
Data aggregation methods	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.	<p>No top-cuts have been applied when reporting results.</p> <p>All fire and photon assay results associated with the exploration drilling have been reported.</p>

CRITERIA	JORC CODE EXPLANATION	COMMENTARY
	<p>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.</p> <p>The assumptions used for any reporting of metal equivalent values should be clearly stated.</p>	<p>Aggregate sample assays are calculated using a length-weighted average.</p> <p>Significant intervals are based on the logged geological interval, with all internal dilution included.</p> <p>No metal equivalent values are used for reporting exploration results.</p>
Relationship between mineralisation widths and intercept lengths	<p>These relationships are particularly important in the reporting of Exploration Results.</p> <p>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</p> <p>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').</p>	<p>Drill holes are oriented at right angles to strike of deposit, dip optimized for drilling purposes and dip of ore body. Down hole widths are reported with most drill holes intersecting the mineralised lenses at 30-40 degrees.</p> <p>Strike of mineralisation is approximately north-south in the Fairway Trend.</p>
Diagrams	<p>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.</p>	<p>Drilling is presented in long-section and cross section as appropriate and reported quarterly to the ASX in line with ASIC requirements.</p>
Balanced reporting	<p>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.</p>	<p>All drillhole results have been reported in previous announcements available at https://meekametals.com.au/asx-announcements/. Reports also include drillholes of insignificant intersections</p>
Other substantive exploration data	<p>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.</p>	<p>All meaningful and material data are reported.</p>
Further work	<p>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</p> <p>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</p>	<p>Follow up work at Fairway trend will comprise of further infill and extensional drilling programs to continue to develop the resource potential and test additional exploration targets.</p>