ASX Announcement

30 June 2025

Cane Bore Maiden Drilling Assay Results Received

Highlights

- First assay results received from the maiden reverse circulation ("RC") drilling programme at the Cane Bore South Target, which comprised 28 drill holes for 1,020m.
- Assay results indicate Channel Iron Deposit (CID) mineralisation at surface and extending to 9m depth in areas. Significant intercepts included:
  - 3m @ 54.0% Fe (60.0% calcined Fe) in hole CBRC005
  - 4m @ 51.1% Fe (57.5% calcined Fe) in hole CBRC010
  - 2m @ 50.7% Fe (57.7% calcined Fe) in hole CBRC010
  - 1m @ 48.1% Fe (54.5% calcined Fe) in hole CBRC008
  - 3m @ 50.7% Fe (57.6% calcined Fe) in hole CBRC008
  - 4m @ 49.8% Fe (55.7% calcined Fe) in hole CBRC004
  - 4m @ 50.0% Fe (56.2% calcined Fe) in hole CBRC012
- The maximum iron grade reported is 54% Fe (62.2% calcined Fe), with average of 49.6% Fe (56.0% calcined Fe) at a 47% Fe cut-off grade.

Next Steps

- The Heritage Survey at the North and Step-Out Targets is scheduled for July 2025.
- The maiden drilling programme at the North and Step-Out Targets is planned for August 2025, with Permit of Work ("PoW") approvals in place.

Burley Minerals Limited (ASX: BUR, "**Burley**" or "**the Company**") is pleased to announce it has received the assay results from the maiden drilling programme completed in late April 2025 at the South Target of its 100%-owned Cane Bore Iron Project ("**Cane Bore**"). The programme comprised 28 RC holes totalling 1,017 m, and tested the grade and depth of the CID across 2.3 km of strike, across an area of 80 hectares (800,000 m^2).

Assay results indicate iron mineralisation at surface, supporting earlier rock-chip sampling assay results. Furthermore, mineralisation is indicated down to nine metres below surface in the central area of the South Target. In addition, indicated mineralised zones were divided by thin clay layers, not uncommom for CID resources in the West Pilbara region.

The approved Programme of Work (PoW) comprises exploration drill holes over the South, North and Step-Out Targets, a total area of more than 370 hectares (3,700,000 m^2), with 22% of this area tested to date.

Cane Bore is located in the Pilbara Province of Western Australia, an area renowned for its world-class iron ore projects, and is less than 100 km by sealed road from Onslow and the Port of Ashburton. The exploration license area is adjacent to the sealed Northwest Coastal Highway, where it intersects the Onslow Road (see **Figure 1**).

Burley Minerals Managing Director and CEO, Stewart McCallion commented:

"The assay results from the maiden drilling programme at Cane Bore's South Target are very encouraging. In addition to the surface mineralisation, we are seeing mineralisation at depth which bodes well for drilling the larger targets to the northeast. The South Target represents less than a quarter of the total target area of more than 3.7 million square metres we are permitted to drill during this stage.

We are moving to implement the heritage survey at the North and Step-Out targets in July. These combine as a long, sinuous ridge of contiguous CID mineralisation, covering more than 2.9 million square metres over more than five kilometres of strike. Once the survey is complete and we get the all clear, we will mobilise a drill rig. We expect to be drilling in August."

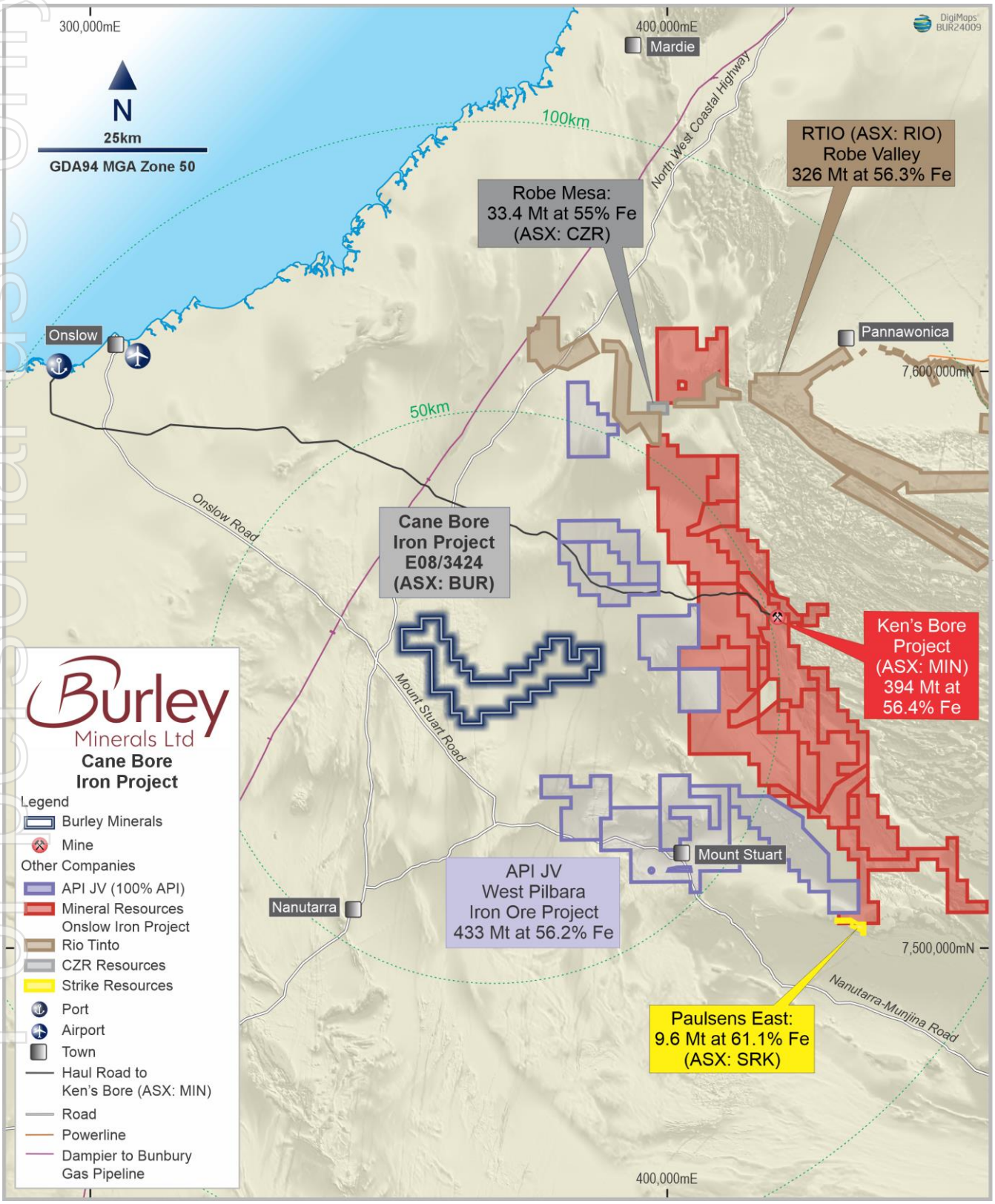

Figure 1: Cane Bore Iron Project Location Plan, Pilbara, Western Australia less than 100kms from Onslow by sealed road. Cane Bore is the closest deposit to the Ashburton Port.

Following the Exploration License (E08/3424) being granted in September 2024, Burley's geologists completed comprehensive and systematic mapping and sampling of the prospective CID areas over several, multi-day periods. More than 800 hectares (8,000,000 m²) of surface mineralisation were mapped and sampled over more than 18 km of strike distance including the West and East Flanks (as shown in **Figure 2**); 126 rock chip samples were collected and analysed. For further information regarding the sampling programmes, refer to ASX releases "Favourable Rock Chip Assays received for Cane Bore Iron Project" dated 15 Nov 2024, and "Further Encouraging Assays received from Cane Bore Iron Project" dated 29 Jan 2025.

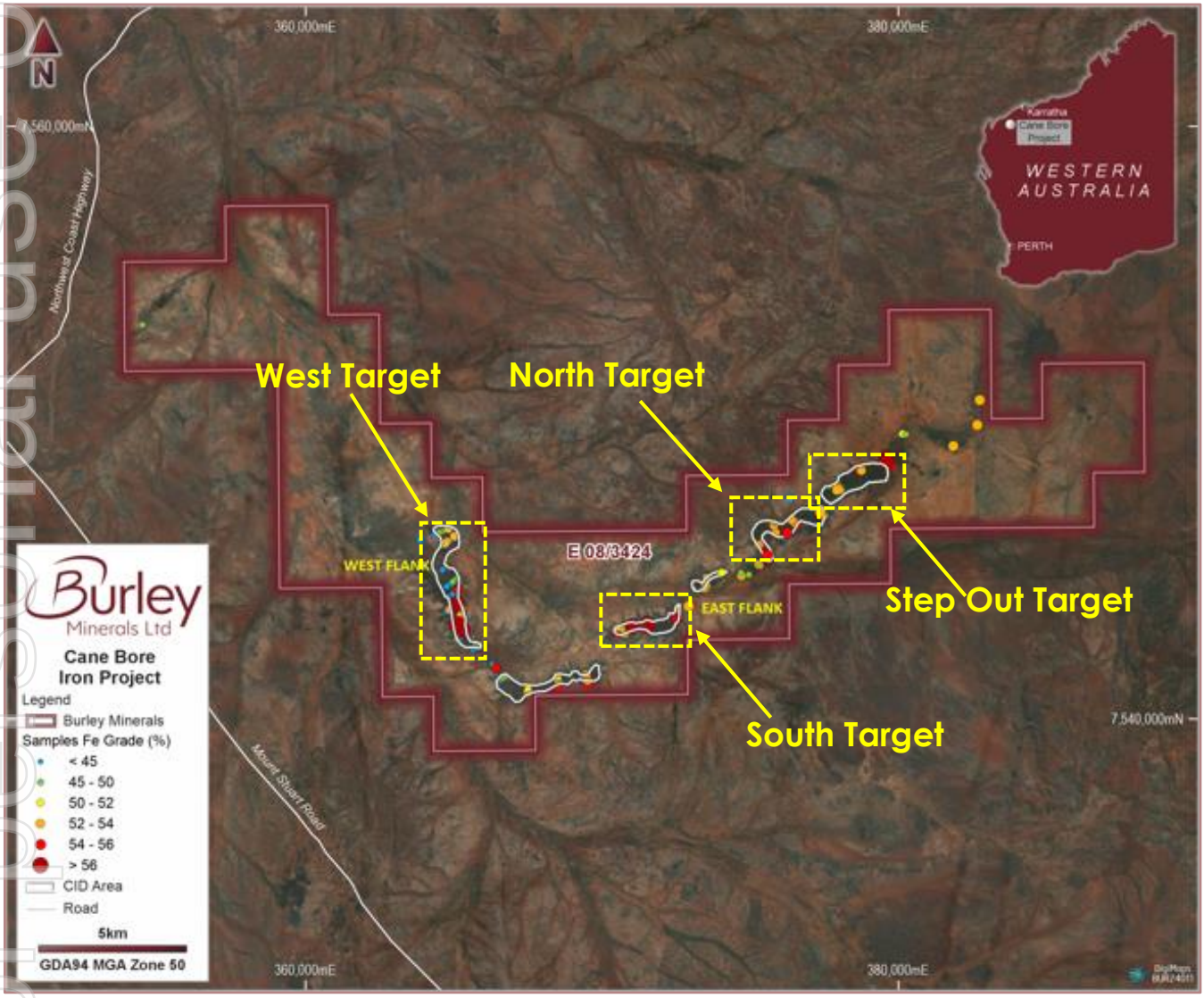

Figure 2: Sampling locations across multiple exploration target areas at the Cane Bore Iron Project covering 18 kilometres of strike.

The approved exploration Programme of Work comprises more than 150 drilling locations across three CID target areas on the East Flank: South Target, North Target and Step-Out Target. The combined area of the three targets is more than 370 hectares or 3,700,000m², with elevations rising more than 20 m above surrounding ground levels.

The approved drilling programme is designed to determine an inferred resource over prominent CID mesa-forms on the East Flank. The East Flank drilling targets are prioritised based on rock-chip sample grades and elevation of the mesa-forms.

South Target, Drilling and Assay Results

The South Target CID mesa form has an area of more than 800,000m^2 (80 hectares) extending more than 2.3 km of strike distance and averaging 350m wide and over 20m high.

The South Target area is south of the Cane River and is within the Pinikura Native Title determined area, and was surveyed for heritage clearance in March 2025. The exploration area is easily accessed by existing tracks and the mesa is largely clear of vegetation, facilitating movement of drill equipment with no clearing or earthworks required.

In late April 2025, Burley's Geologist supervised drilling of 28 reverse circulaton (RC) holes, to depths between 18 and 60 m, for a total of 1,020 m drilled. RC drill hole locations are shown in **Figure 3;** drill hole coordinates and other details are included as Appendix A**.**

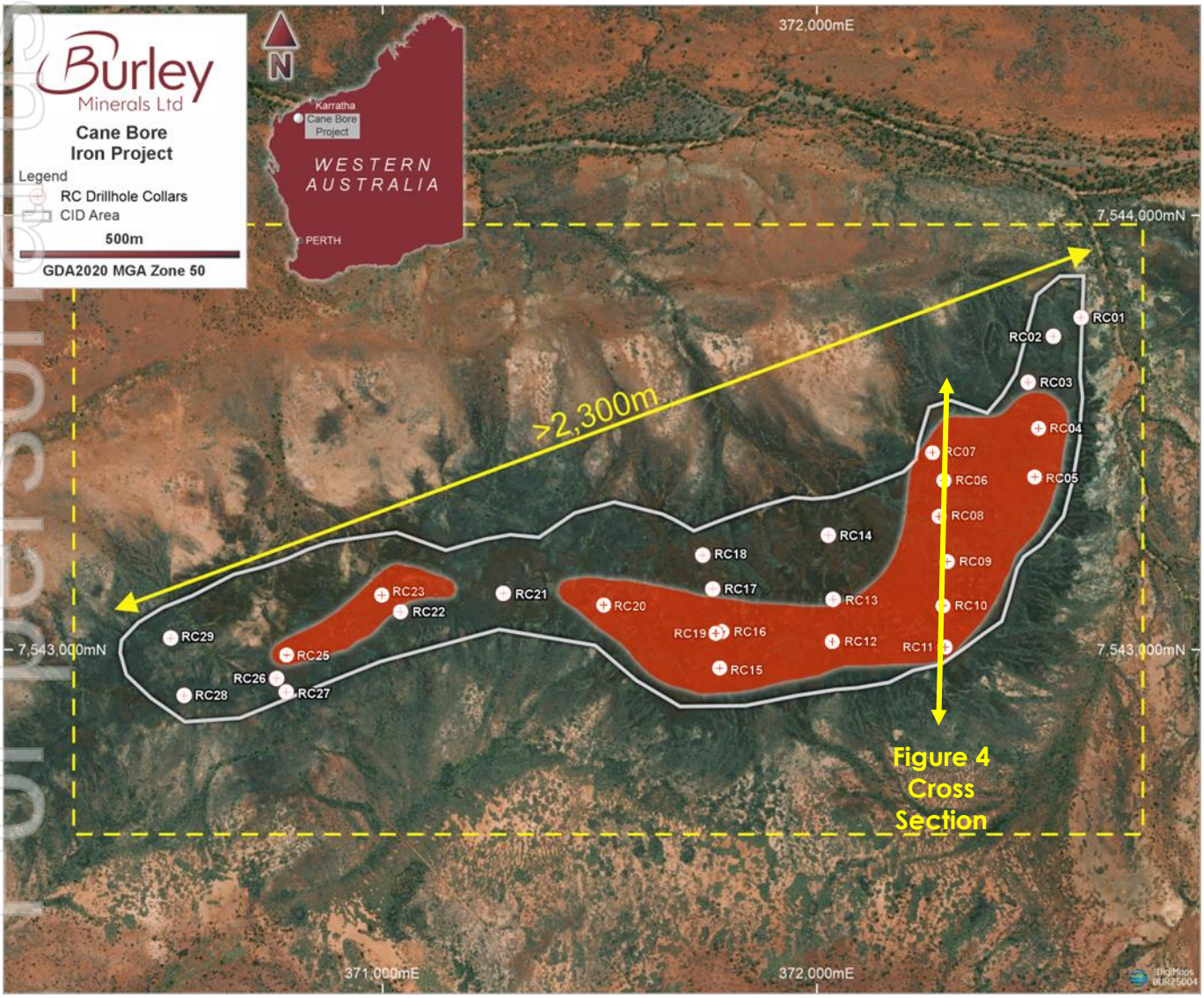

Figure 3: RC drill hole locations at South Target CID mesa-form, with mineralisation outline.

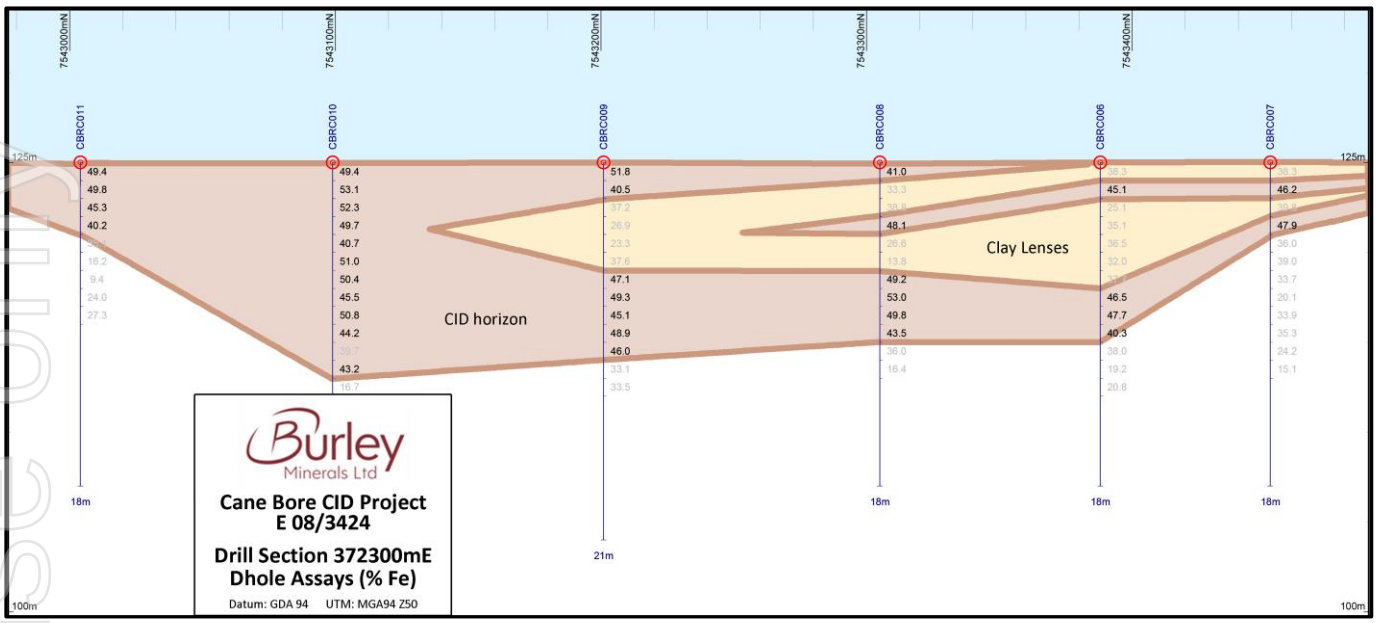

Figure 4: Cross Section Through South Target Significant Intercepts

RC drilling samples were collected at 1 m intervals in each hole from surface to depths determined by the geologist; 297 samples were collected and submitted to ALS Laboratories in Malaga, Western Australia. In general, the assay results reflect previous rock-chip sampling, clearly validating the surface mineralisation sampled previously. Furthermore, assay results suggest mineralisation extending to approximately 9 m depth in the central area of the South Target. A summary of significant intercepts is provide in **Table 1**. An overall summary of the assay results in presented in **Table 2** with full results included as Appendix B.

Table 1: South Target Significant Intercepts (COG 47% Fe)

Hole ID	From	To	Width	CaFe%	Fe%	Al_2O_3%	P %	SiO_2%	LOI %
CBRC004	0	1	1	**56.8**	50.4	5.1	0.03	9.6	11.2
CBRC004	**5**	**8**	**3**	**55.4**	**49.6**	**5.4**	**0.02**	**10.8**	**10.4**
CBRC005	**0**	**3**	**3**	**60.0**	**54.0**	**5.1**	**0.02**	**6.2**	**10.0**
CBRC005	**6**	**7**	**1**	**55.4**	**49.9**	**5.5**	**0.02**	**10.6**	**9.9**
CBRC006	8	9	1	**55.0**	47.7	4.4	0.03	9.9	13.2
CBRC007	3	4	1	**53.8**	47.9	5.4	0.02	11.6	11.0
CBRC008	**3**	**4**	**1**	**54.5**	**48.1**	**5.1**	**0.06**	**9.9**	**11.8**
CBRC008	**6**	**9**	**3**	**57.6**	**50.7**	**4.5**	**0.11**	**8.3**	**12.0**
CBRC009	**0**	**1**	**1**	**57.4**	**51.8**	**5.4**	**0.03**	**9.7**	**9.7**
CBRC009	**6**	**8**	**2**	**55.4**	**48.2**	**4.0**	**0.03**	**9.5**	**13.0**
CBRC009	**9**	**10**	**1**	**55.6**	**48.9**	**4.7**	**0.03**	**10.2**	**12.1**
CBRC010	**0**	**7**	**7**	**57.6**	**51.0**	**5.5**	**0.02**	**8.5**	**11.4**
CBRC010	**8**	**9**	**1**	**58.3**	**50.8**	**5.5**	**0.02**	**7.5**	**12.8**
CBRC011	**0**	**2**	**2**	**56.6**	**49.6**	**4.8**	**0.02**	**8.1**	**12.4**
CBRC012	**0**	**4**	**4**	**56.2**	**50.0**	**5.5**	**0.02**	**9.8**	**11.1**
CBRC015	4	6	2	**54.5**	47.9	4.6	0.03	12.2	12.1
CBRC016	0	1	1	**55.0**	49.8	6.8	0.03	11.1	9.5
CBRC017	0	4	4	**54.9**	48.7	5.9	0.02	9.6	11.3
CBRC019	0	1	1	**57.9**	52.6	5.6	0.03	8.6	9.2
CBRC020	4	5	1	**56.3**	50.4	4.2	0.13	10.8	10.5

Hole ID	From	To	Width	CaFe%	Fe%	Al_2O_3%	P %	SiO_2%	LOI %
CBRC023	0	1	1	**53.7**	47.7	4.6	0.02	13.1	11.1
CBRC025	0	1	1	**54.4**	47.7	5.0	0.02	12.3	12.3

Table 2: South Target Assay Summary (COG 47% Fe)

	CaFe%	Fe%	Al_2O_3%	P %	SiO_2%	LOI %
MAX	**62.2**	54.0	6.8	0.1	13.1	13.2
AVE	**56.0**	49.6	5.1	0.0	9.8	11.3

Next Steps

The Company plans to complete a heritage survey with the Robe River Kuruma Aborginal Corporation (RRKAC) in July 2025, with the intent of undertaking the maiden drill programme at the North and Step-Out Targets in August.

The North and Step-Out Targets are on the north side of the Cane River approximately 3.5 km northeast of the South Target, as illustrated in **Figure 5.** The North and Step-Out Targets are two parts of a contiguous ridge of CID mineralisation, with a combined area of more than 290 hectares (2,900,000 m^2). Approximately 120 RC drillholes are planned for the next driling programme, aimed to determine the depth and extent of CID mineralisation in the area, as indicated in **Figure 6**.

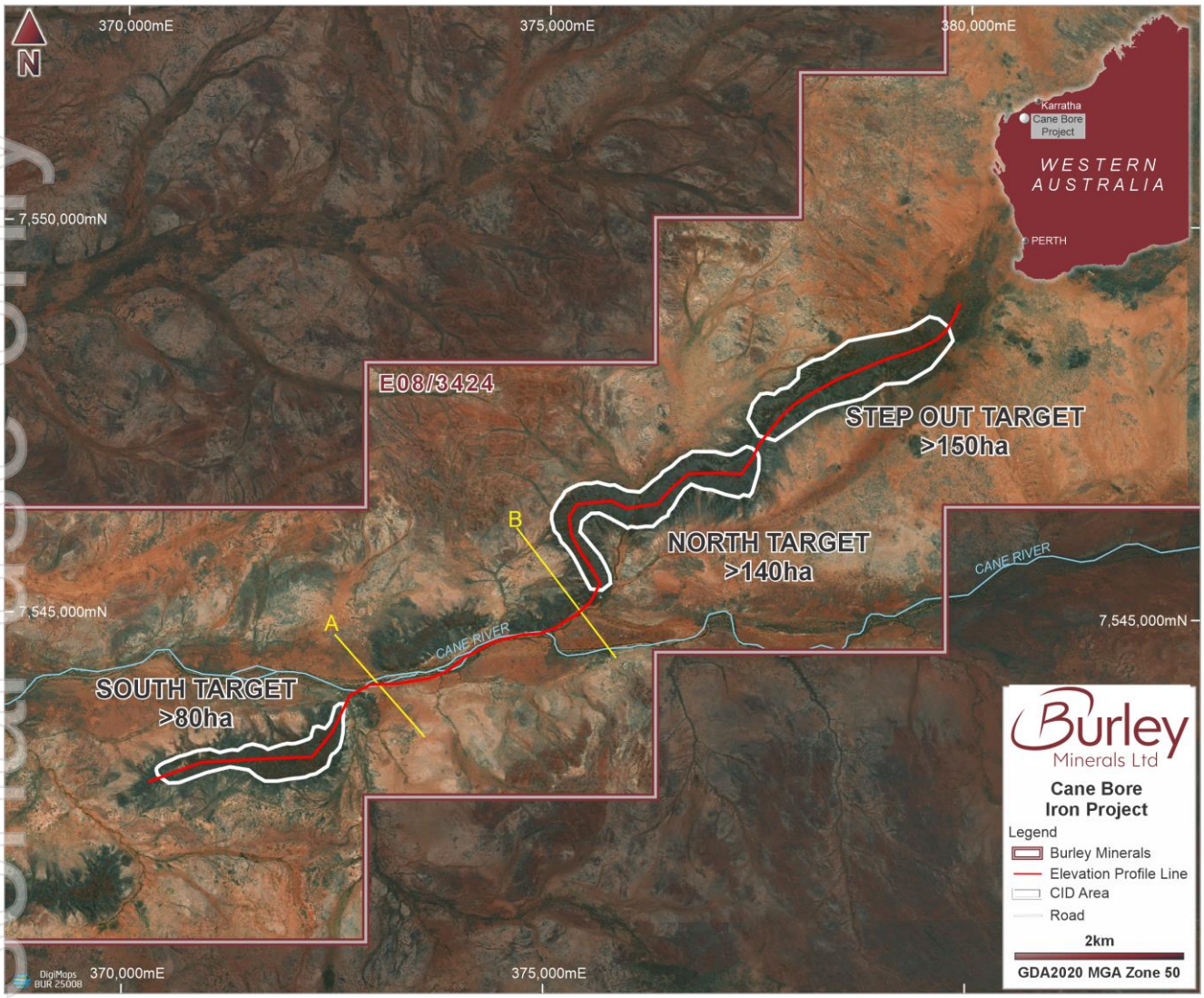

Figure 5: North and Step-Out Targets relative to South Target

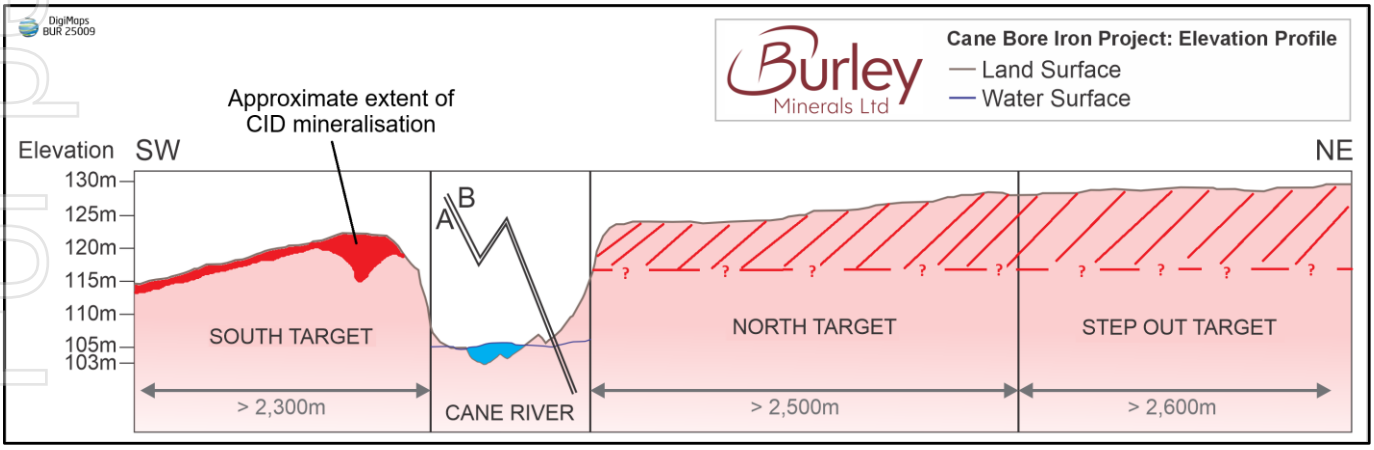

Figure 6: Elevation Long Section through South, North and Step-Out Targets, with approximate extent and targeted CID mineralisation depictions.

Cane Bore Background

The exploration license E08/3424 is located along the western margin of the Hamersley Basin, with the geology dominated by mid-to-late Miocene channel iron deposits, which occur as a meandering line of dissected outcrop adjacent to the Cane River. The deposits are flanked by Quaternary alluvial and colluvial deposits related to the Cane River and its tributaries. Outcrops to the north and south of the Quaternary cover sequences are low-grade greenschist facies sediments (mudstones to conglomerates), felsic to mafic volcanic rock, BIF, and dolostone of the Proterozoic Ashburton Formation. The far western corner of the exploration license is underlain by the Mount Minnie Group, which comprises quartz to arkosic sandstone, conglomerate, siltstone and mudstone.

The more general Cane River area was explored for iron resources in the late 1960s, but only wide-spaced sampling of surface materials was reported. The reconnaissance work, using recent satellite imagery, multi-spectral imagery, topographic data and extrapolation of known regional resources, delineated potential CID mineralisation adjacent to the Cane River.

The upper areas of this palaeodrainage system (outside of E08/3424) were drill assessed by API Management Pty Ltd. In 2016, Red Hill Iron Ltd published a JORC 2012 compliant mineral resource estimate of **664Mt at 56.9% Fe** for the Cochrane/Jewel, Trixie, Kens Bore and Red Hill Creek deposits[1]. These deposits are proximal to, or within, the Hamersley Range and occur approximately 40km 'upstream' from the eastern boundary of E08/3424.

The Cane Bore CID paleochannel appears semi-continuous, indicating that it may be well preserved. Available satellite and drone imagery, and topographic data suggest that the mesa-forms rise to 20m from the surrounding, flat-lying ground.

Heritage Agreements

Burley is committed to protection of aborginal heritage and mitigation of environmental impacts from the proposed exploration activities.

Burley has Heritage Protection Agreements with the Buurabalayji Thalanyji People (Thalanyji), the Puutu Kunti Kurrama People and Pinikura People #1 and #2 (PKKP), and with The Robe River Kuruma Aborginal Corporation (RRKAC).

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

For more information please contact:

Dan Bahen
Non-Executive Chairman
Burley Minerals Limited
dan@burleyminerals.com.au

Stewart McCallion
Managing Director & CEO
Burley Minerals Limited
stewart@burleyminerals.com.au

Alex Cowie
NWR Communications
+61 412 952 610
alexc@nwrcommunications.com.au

About Burley Minerals Limited

Burley Minerals Ltd **(ASX: BUR**) is an ASX-listed, Perth-based minerals explorer with iron ore and lithium projects, located within and Western Australia and the Canadian province of Québec. In addition to Cane Bore, Burley has the Broad Flat Well Iron Project in the Pilbara, Western Australia. In Western Australia, Burley also owns a 70% interest in the Yerecoin Iron Ore Project, located approximately 120km northeast of Perth.

Burley acquired 100% ownership of the Chubb Lithium Project in Québec, Canada in February 2023 (see Figure 8). The Chubb Lithium Project is located 25 km north of the mining community of Val d'Or in the heart of the world-class lithium province of Québec, Canada with a total area of 1,509 hectares. The Chubb Project is centred within the Manneville Deformation Corridor, which hosts Canada's only operating lithium mine, the North America Lithium Operation (NAL). The NAL is owned by Sayona Mining Ltd (ASX: SYA) and Piedmont Lithium Inc, with Mineral Resources of 58Mt at 1.23% Li_2O[1] reported, plus several other emerging projects including the Authier Lithium Project, with resources of 17Mt at 1.01% Li_2O reported[2]. The recommissioned NAL plant is located 10km north-east of the Chubb Lithium Project, with first production having commenced in the March 2023 Quarter[3]. The Chubb Lithium Project is highly prospective and has only been drill tested on 6 of the 35 Mineral Claims with significant fertile LCT pegmatites having been identified and yet to be tested.

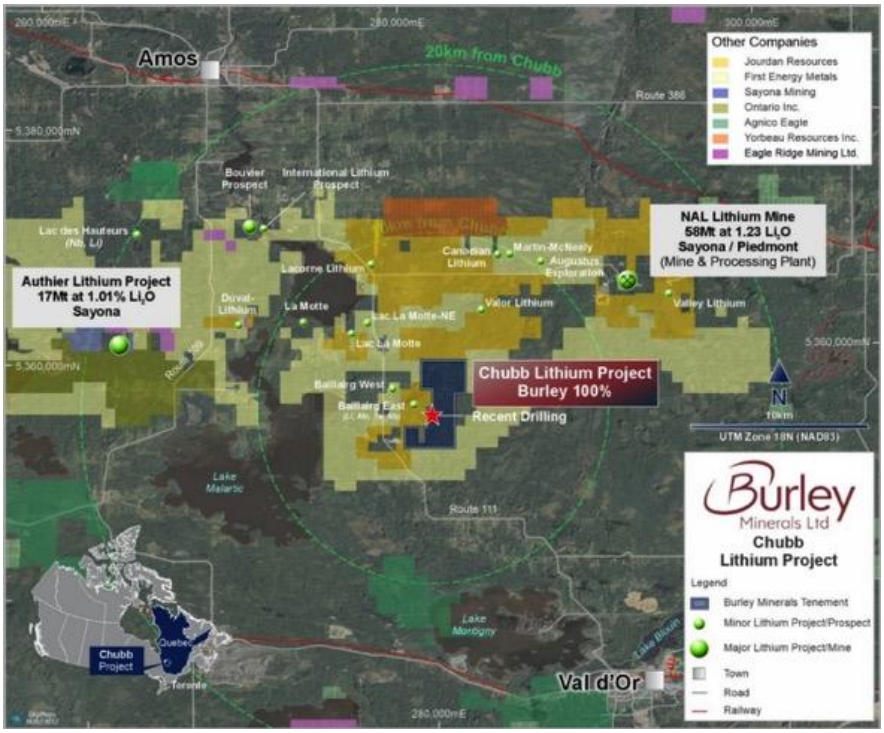

Figure 7: Location map of the Chubb Lithium and Caesium Project near Val d'Or, southern Québec and the NAL Operation, other deposits and surrounding infrastructure.

[1] Refer to Sayona Mining's ASX Release dated 14 April 2023
[2] Refer to Sayona Mining's ASX Release dated 14 April 2023.
[3] Refer to Sayona Mining's ASX Release dated 28 April 2023.

Competent Person's Statement

The information in this Statement that relates to Exploration Results and Exploration Target is based on and fairly represents information compiled by Mr Gary Powell. Mr Powell is a consultant to the Company and holds stock in the Company. Mr Powell is a member of the Australian Institute of Geoscientists (Member No: 2278) and has sufficient experience which is relevant to the styles of mineralisation and types of deposits under consideration and to the activity which they are undertaking to qualify as Competent Persons as defined in the JORC Code, 2012 Edition. *Mr. Powell has verified the data disclosed in this release and consent to the inclusion in this release of the matters based on the information in the form and context in which it appears.*

Caution Regarding Forward-Looking Information

This ASX announcement may contain forward looking statements that are subject to risk factors associated with iron ore exploration, mining, and production businesses. It is believed that the expectations reflected in these statements are reasonable but they may be affected by a variety of variables and changes in underlying assumptions which could cause actual results or trends to differ materially, including but not limited to price fluctuations, actual demand, currency fluctuations, drilling and production results, Reserve estimations, loss of market, industry competition, environmental risks, physical risks, legislative, fiscal and regulatory changes, economic and financial market conditions in various countries and regions, political risks, project delay or advancement, approvals and cost estimates.

Forward-looking statements, including projections, forecasts, and estimates, are provided as a general guide only and should not be relied on as an indication or guarantee of future performance and involve known and unknown risks, uncertainties, and other factors, many of which are outside the control of Burley Minerals Ltd. Past performance is not necessarily a guide to future performance and no representation or warranty is made as to the likelihood of achievement or reasonableness of any forward-looking statements or other forecast.

Reference to Previous Announcements

With respect to exploration data contained in this announcement, these were disclosed in the Company's previous ASX announcements "Favourable Rock Chip Assays received for Cane Bore Iron Project" dated 15 Nov 2024, and "Further Encouraging Assays received from Cane Bore Iron Project" dated 29 Jan 2025. Investors can refer to the Company's website and previous News releases for further disclosure on information in this Announcement and all the Company's Projects.

APPENDIX A

Cane Bore Iron Project – Reverse Circulation (RC) Drill Hole Details

Hole ID	Easting [1] (m)	Northing [1] (m)	RL [2] (m)	Depth (m)	Azimuth (TN)	Dip [3] (°)
CBRC001	372607	7543763	123	39	000	-90
CBRC002	372543	7543720	122	42	000	-90
CBRC003	372485	7543614	123	33	000	-90
CBRC004	372509	7543508	110	24	000	-90
CBRC005	372500	7543396	121	21	000	-90
CBRC006	372291	7543388	113	18	000	-90
CBRC007	372265	7543452	124	18	000	-90
CBRC008	372280	7543305	125	18	000	-90
CBRC009	372299	7543201	136	21	000	-90
CBRC010	372289	7543099	136	60	000	-90
CBRC011	372294	7543004	129	18	000	-90
CBRC012	372034	7543017	125	24	000	-90
CBRC013	372036	7543114	123	60	000	-90
CBRC014	372025	7543262	150	21	000	-90
CBRC015	371775	7542956	124	24	000	-90
CBRC016	371780	7543040	122	21	000	-90
CBRC017	371759	7543138	126	60	000	-90
CBRC018	371736	7543216	123	60	000	-90
CBRC019	371766	7543036	127	60	000	-90
CBRC020	371508	7543101	124	60	000	-90
CBRC021	371277	7543128	110	60	000	-90
CBRC022	371040	7543086	114	60	000	-90
CBRC023	370997	7543124	148	60	000	-90
CBRC025	370778	7542986	147	60	000	-90
CBRC026	370755	7542932	118	21	000	-90
CBRC027	370777	7542901	121	18	000	-90
CBRC028	370542	7542893	124	21	000	-90
CBRC029	370511	7543025	120	18	000	-90

Notes:

1. *Coordinate Datum: GDA94, UTM MGA94 Zone 50.*
2. *Elevation relative to Australian Height Datum (AHD).*
3. *Drill holes are vertical.*

APPENDIX B

Cane Bore: South Target Sample Assay Results

Sample ID	Easting [1] (m)	Northing [1] (m)	Fe (%)	Al_2O_3 (%)	CaO (%)	Cr_2O_3 (%)	K_2O (%)	MgO (%)	MnO (%)	Na_2O (%)	P (%)	S (%)	SiO_2 (%)	TiO_2 (%)	LOI [4] (%)	Calcined Fe %[5]
BMRC0501	372607	7543763	44.4	3.49	3.73	0.005	0.172	1.72	0.288	0.166	0.027	0.114	12.7	0.29	13.3	51.2
BMRC0502	372607	7543763	29.9	5.89	4.51	0.007	0.408	3.15	0.395	0.316	0.023	0.034	27.8	0.6	13.7	34.6
BMRC0503	372607	7543763	20.9	7.08	2.59	0.007	0.25	2.37	0.388	0.209	0.015	0.015	45.7	0.92	10.3	23.3
BMRC0504	372607	7543763	24.1	6.64	3.97	0.007	0.205	3.59	0.448	0.231	0.031	0.017	36.2	0.64	13.2	27.7
BMRC0505	372607	7543763	23.8	5.6	6.15	0.005	0.177	4.9	0.906	0.168	0.039	0.014	31	0.53	15.9	28.3
BMRC0506	372607	7543763	11.3	5.65	9.42	0.006	0.264	7.55	0.21	0.224	0.015	0.011	40.8	0.67	18.7	13.9
BMRC0507	372607	7543763	7.1	5.4	8.08	0.005	0.27	6.52	0.219	0.222	0.018	0.01	52.5	0.57	15.8	8.4
BMRC0508	372607	7543763	5.9	5.82	3.27	0.006	0.428	3.24	0.222	0.261	0.019	0.008	69.3	0.56	8.18	6.4
BMRC0509	372607	7543763	6.6	5.82	7.12	0.007	0.737	5.91	0.337	0.189	0.045	0.001	55.6	0.41	14	7.7
BMRC0510	372607	7543763	12.2	11.85	8.15	0.009	1.855	6.67	0.462	0.322	0.078	0.005	34.4	0.32	17.9	14.9
BMRC0511	372607	7543763	10.3	16.1	4.34	0.012	2.63	3.68	0.222	0.406	0.076	0.005	44.4	0.43	12.6	11.8
BMRC0512	372543	7543720	36.8	6.05	6.78	0.006	0.253	0.69	0.057	0.055	0.022	0.019	19.4	0.37	13.6	42.5
BMRC0513	372543	7543720	43.6	6.05	0.93	0.005	0.2	0.52	0.077	0.128	0.022	0.02	19.4	0.38	9.76	48.3
BMRC0514	372543	7543720	39.3	5.38	0.24	0.006	0.229	0.65	0.04	0.175	0.019	0.02	27.1	0.44	9.36	43.4
BMRC0515	372543	7543720	18.2	10.35	0.3	0.009	0.405	0.82	0.087	0.244	0.012	0.014	53.7	0.95	6.87	19.5
BMRC0516	372543	7543720	28.1	9.84	0.31	0.007	0.439	0.82	0.327	0.237	0.025	0.013	38	0.65	8.82	30.8
BMRC0517	372543	7543720	38.6	5.45	0.11	0.005	0.226	0.42	0.199	0.13	0.047	0.011	28.3	0.41	9.33	42.5
BMRC0518	372543	7543720	30.0	7.19	0.12	0.007	0.356	0.66	0.263	0.185	0.043	0.01	39.1	0.56	8.37	32.7
BMRC0519	372543	7543720	33.6	5.1	0.13	0.003	0.27	0.37	0.462	0.11	0.065	0.009	36.2	0.4	8.49	36.7
BMRC0521	372543	7543720	21.2	6.74	0.19	0.005	0.419	0.53	0.363	0.167	0.046	0.01	53.7	0.66	6.46	22.7
BMRC0522	372543	7543720	24.8	5.34	0.11	0.006	0.248	0.42	0.463	0.123	0.073	0.008	50.2	0.25	6.96	26.6
BMRC0523	372543	7543720	31.2	4.64	0.08	0.004	0.31	0.33	0.828	0.105	0.117	0.009	40.2	0.31	7.79	33.8
BMRC0524	372485	7543614	35.5	5.66	7.82	0.006	0.526	2.31	0.066	0.154	0.023	0.117	16.1	0.3	15.7	42.1
BMRC0525	372485	7543614	33.7	5.37	6.28	0.005	0.27	4.88	0.11	0.153	0.022	0.029	16.5	0.3	17.6	40.9
BMRC0526	372485	7543614	25.8	8	3.9	0.006	0.443	3.11	0.075	0.206	0.018	0.022	33.3	0.61	13.2	29.8
BMRC0527	372485	7543614	34.3	8.27	2.19	0.008	0.295	2.03	0.093	0.176	0.02	0.015	24.3	0.49	12.8	39.3

Sample ID	Easting [1] (m)	Northing [1] (m)	Fe (%)	Al_2O_3 (%)	CaO (%)	Cr_2O_3 (%)	K_2O (%)	MgO (%)	MnO (%)	Na_2O (%)	P (%)	S (%)	SiO_2 (%)	TiO_2 (%)	LOI [4] (%)	Calcined Fe %[5]
BMRC0528	372485	7543614	31.7	10.35	0.65	0.009	0.492	0.93	0.024	0.205	0.014	0.012	31.3	0.54	10.1	35.2
BMRC0529	372485	7543614	20.7	10.1	0.81	0.01	0.644	1.06	0.026	0.231	0.019	0.008	48.7	0.77	7.91	22.4
BMRC0530	372485	7543614	25.5	5.8	4.71	0.006	0.28	3.66	0.246	0.134	0.025	0.012	34	0.27	14.1	29.7
BMRC0531	372485	7543614	19.3	6.6	1.24	0.007	0.378	1.29	0.501	0.208	0.018	0.015	53.4	0.42	7.91	20.9
BMRC0532	372485	7543614	26.8	5.82	0.52	0.003	0.269	0.73	0.72	0.153	0.026	0.014	44.3	0.35	8.26	29.2
BMRC0533	372485	7543614	20.6	3.93	4.32	0.002	0.183	3.29	0.332	0.092	0.021	0.007	45.7	0.37	12	23.4
BMRC0534	372485	7543614	30.7	2.94	3.71	0.002	0.152	2.79	0.429	0.048	0.036	0.008	32.6	0.23	12.9	35.2
BMRC0535	372485	7543614	31.2	3.66	4.4	0.003	0.224	3.31	0.79	0.069	0.046	0.008	28.1	0.2	14.1	36.3
BMRC0536	372485	7543614	32.6	4.81	2.01	0.003	0.272	1.68	0.713	0.097	0.099	0.009	31.8	0.24	11	36.7
BMRC0537	372485	7543614	32.6	4.49	1.48	0.003	0.237	1.26	0.827	0.089	0.148	0.007	34	0.2	9.93	36.2
BMRC0538	372485	7543614	4.5	2.11	0.54	0.003	0.246	0.5	3.32	0.073	0.048	0.002	81.8	0.15	3.09	4.7
BMRC0539	372509	7543508	50.4	5.14	0.94	0.007	0.19	0.28	0.097	0.058	0.03	0.022	9.57	0.21	11.2	56.8
BMRC0541	372509	7543508	44.3	5.08	4.76	0.006	0.142	1.22	0.067	0.124	0.022	0.043	11.35	0.24	13.3	51.1
BMRC0542	372509	7543508	43.1	6.3	2.31	0.005	0.171	1.02	0.081	0.127	0.023	0.04	16.45	0.45	11.2	48.5
BMRC0543	372509	7543508	37.6	7.29	1.78	0.007	0.178	0.89	0.132	0.154	0.02	0.03	24.6	0.59	10.3	41.9
BMRC0544	372509	7543508	44.2	7.86	0.54	0.006	0.132	0.75	0.093	0.166	0.018	0.03	16.5	0.33	10.2	49.2
BMRC0545	372509	7543508	50.1	4.98	1.82	0.007	0.088	0.81	0.106	0.108	0.023	0.024	9.01	0.19	11	56.3
BMRC0546	372509	7543508	51.3	5.51	0.37	0.005	0.099	0.48	0.127	0.099	0.022	0.019	9.2	0.21	10.3	57.2
BMRC0547	372509	7543508	47.3	5.7	0.66	0.008	0.132	0.78	0.136	0.122	0.024	0.015	14.25	0.3	10.1	52.6
BMRC0548	372509	7543508	46.6	5.26	0.38	0.003	0.132	0.55	0.118	0.089	0.022	0.011	15.85	0.34	10.5	52.1
BMRC0549	372509	7543508	42.8	5.68	0.25	0.007	0.21	0.49	0.232	0.108	0.033	0.012	20.9	0.43	10.2	47.7
BMRC0550	372509	7543508	38.4	6.28	0.1	0.006	0.269	0.41	0.259	0.111	0.042	0.01	27.1	0.53	9.78	42.5
BMRC0551	372509	7543508	35.7	5.88	0.2	0.007	0.289	0.54	0.674	0.138	0.043	0.015	31	0.48	9.17	39.3
BMRC0552	372509	7543508	26.4	7.12	0.14	0.005	0.321	0.46	0.794	0.118	0.044	0.015	44.4	0.5	7.72	28.6
BMRC0553	372509	7543508	20.7	5.35	0.16	0.007	0.321	0.53	0.685	0.133	0.055	0.016	56.4	0.42	5.77	21.9
BMRC0554	372509	7543508	20.6	3.12	0.08	0.003	0.245	0.24	0.464	0.078	0.097	0.013	60.4	0.29	5.05	21.7

Sample ID	Easting [1] (m)	Northing [1] (m)	Fe (%)	Al_2O_3 (%)	CaO (%)	Cr_2O_3 (%)	K_2O (%)	MgO (%)	MnO (%)	Na_2O (%)	P (%)	S (%)	SiO_2 (%)	TiO_2 (%)	LOI [4] (%)	Calcined Fe %[5]
BMRC0555	372500	7543396	55.4	4.63	0.11	0.008	0.085	0.23	0.088	0.077	0.03	0.026	5.17	0.11	10.1	61.5
BMRC0556	372500	7543396	53.8	4.95	0.49	0.005	0.063	0.3	0.063	0.117	0.02	0.029	6.7	0.19	10	59.7
BMRC0557	372500	7543396	52.9	5.61	0.63	0.008	0.068	0.68	0.065	0.13	0.02	0.029	6.85	0.2	9.91	58.7
BMRC0558	372500	7543396	43.7	6.46	3.41	0.005	0.136	2.66	0.067	0.142	0.02	0.029	10.5	0.31	13.5	50.6
BMRC0559	372500	7543396	35.1	10.5	2.63	0.01	0.186	2.43	0.053	0.245	0.015	0.028	19.5	0.38	13.6	40.6
BMRC0561	372500	7543396	37.8	7.09	5.2	0.005	0.122	4.08	0.06	0.175	0.015	0.028	11.9	0.25	16.8	45.5
BMRC0562	372500	7543396	49.9	5.47	0.83	0.009	0.085	0.92	0.099	0.146	0.023	0.027	10.6	0.27	9.88	55.4
BMRC0563	372500	7543396	39.4	5.27	3.17	0.005	0.141	2.56	0.114	0.138	0.021	0.026	17.7	0.42	13.9	45.7
BMRC0564	372500	7543396	29.5	6.03	6.14	0.006	0.183	4.73	0.27	0.168	0.013	0.023	22	0.51	17.4	35.8
BMRC0565	372500	7543396	26.2	5.95	4.56	0.007	0.225	3.7	0.737	0.253	0.007	0.031	32	0.48	14	30.4
BMRC0566	372500	7543396	15.9	6.34	5.33	0.006	0.268	4.14	0.955	0.261	0.005	0.035	45.3	0.62	13.3	18.3
BMRC0567	372500	7543396	16.8	9.77	2.89	0.008	0.378	2.42	0.706	0.275	0.008	0.029	47.7	0.61	10.6	18.7
BMRC0568	372291	7543388	38.3	4.74	9.59	0.004	0.226	1.41	0.066	0.054	0.02	0.036	12.35	0.26	16.3	45.7
BMRC0569	372291	7543388	45.1	4.2	5.04	0.006	0.1	3.01	0.096	0.085	0.022	0.04	7.25	0.18	15.3	53.2
BMRC0570	372291	7543388	25.1	7.08	8.67	0.003	0.224	6.77	0.064	0.19	0.013	0.028	20.4	0.53	20	31.3
BMRC0571	372291	7543388	35.1	4.95	6.91	0.004	0.115	5.23	0.145	0.125	0.015	0.022	13.4	0.35	18.3	43.0
BMRC0572	372291	7543388	36.5	6.98	4.37	0.002	0.134	3.5	0.189	0.154	0.017	0.028	15.65	0.37	16.2	43.5
BMRC0573	372291	7543388	32.0	7.09	6.69	0.006	0.151	5.15	0.224	0.15	0.015	0.021	15.55	0.36	18.5	39.3
BMRC0574	372291	7543388	37.7	5.39	4.55	0.004	0.147	3.51	0.228	0.122	0.018	0.023	15.85	0.45	15.5	44.6
BMRC0575	372291	7543388	46.6	4.12	2.83	0.004	0.081	2.22	0.247	0.071	0.016	0.025	8.86	0.24	14.5	54.4
BMRC0576	372291	7543388	47.7	4.4	1.81	0.003	0.083	1.46	0.25	0.065	0.033	0.027	9.94	0.28	13.2	54.9
BMRC0577	372291	7543388	40.3	6.04	0.77	0.008	0.165	0.75	0.195	0.083	0.037	0.018	22.8	0.61	10.8	45.1
BMRC0578	372291	7543388	38.0	7.06	1.16	0.005	0.228	1.04	0.301	0.097	0.043	0.019	23.8	0.56	11.1	42.7
BMRC0579	372291	7543388	19.2	8.91	0.28	0.008	0.402	0.46	0.47	0.19	0.023	0.017	53.1	1.05	7.09	20.7
BMRC0581	372291	7543388	20.8	6.92	0.33	0.007	0.438	0.51	0.711	0.156	0.029	0.016	53.1	0.69	6.8	22.3
BMRC0582	372265	7543452	38.3	5.01	9.68	0.004	0.204	1.45	0.049	0.083	0.021	0.026	11.4	0.3	16.8	46.1

Sample ID	Easting [1] (m)	Northing [1] (m)	Fe (%)	Al_2O_3 (%)	CaO (%)	Cr_2O_3 (%)	K_2O (%)	MgO (%)	MnO (%)	Na_2O (%)	P (%)	S (%)	SiO_2 (%)	TiO_2 (%)	LOI [4] (%)	Calcined Fe %[5]
BMRC0583	372265	7543452	46.2	5.25	2.3	0.007	0.149	1.54	0.071	0.118	0.028	0.037	11.1	0.31	12.7	53.0
BMRC0584	372265	7543452	39.8	6.99	1.22	0.008	0.209	1.16	0.075	0.182	0.019	0.04	21.8	0.76	10.4	44.4
BMRC0585	372265	7543452	47.9	5.36	1.37	0.007	0.125	1.24	0.096	0.116	0.019	0.042	11.55	0.38	11	53.8
BMRC0586	372265	7543452	36.0	7.81	2.11	0.007	0.21	1.68	0.08	0.178	0.013	0.034	23.4	0.67	12.1	40.9
BMRC0587	372265	7543452	39.0	7.16	1.56	0.005	0.208	1.34	0.114	0.166	0.014	0.029	20.9	0.57	11.8	44.3
BMRC0588	372265	7543452	33.7	7.85	2.77	0.006	0.24	2.2	0.122	0.12	0.012	0.026	25	0.6	12.6	38.6
BMRC0589	372265	7543452	20.1	10.3	4.56	0.006	0.312	3.5	0.225	0.241	0.012	0.023	36.4	0.83	14.4	23.5
BMRC0590	372265	7543452	33.9	7.64	1.62	0.007	0.275	1.42	0.253	0.168	0.019	0.03	27.8	0.63	11.3	38.2
BMRC0591	372265	7543452	35.3	6.67	2.27	0.002	0.252	1.82	0.195	0.126	0.026	0.024	24.7	0.56	12.5	40.4
BMRC0592	372265	7543452	24.2	8.41	1.26	0.007	0.352	1.12	0.265	0.164	0.016	0.02	43.2	0.84	9.35	26.7
BMRC0593	372265	7543452	15.1	9.95	1.6	0.006	0.507	1.43	0.655	0.223	0.01	0.022	53.7	1	8.61	16.6
BMRC0594	372280	7543305	41.0	5.69	7.34	0.005	0.23	0.59	0.104	0.088	0.027	0.036	11.5	0.28	15.3	48.4
BMRC0595	372280	7543305	33.3	9.49	5.84	0.005	0.337	1.49	0.083	0.207	0.024	0.05	19.5	0.6	14.5	38.9
BMRC0596	372280	7543305	38.8	7.62	2.11	0.007	0.254	1.16	0.105	0.155	0.032	0.028	20.6	0.65	11.5	43.9
BMRC0597	372280	7543305	48.1	5.06	1.84	0.004	0.09	1.4	0.262	0.093	0.06	0.036	9.9	0.38	11.8	54.5
BMRC0598	372280	7543305	26.7	13.75	2.1	0.006	0.279	1.6	0.612	0.194	0.032	0.025	30.7	0.78	11.3	30.0
BMRC0599	372280	7543305	13.8	18.25	1.72	0.012	0.352	1.48	0.591	0.252	0.02	0.017	45.5	1.23	10.4	15.4
BMRC0601	372280	7543305	49.2	5.12	0.91	0.001	0.102	0.84	0.606	0.071	0.11	0.03	8.53	0.25	12.6	56.3
BMRC0602	372280	7543305	53.0	3.58	0.34	0.001	0.075	0.43	0.755	0.051	0.114	0.026	6.02	0.18	12.1	60.3
BMRC0603	372280	7543305	49.8	4.67	0.24	0.004	0.086	0.38	0.568	0.055	0.103	0.019	10.45	0.31	11.4	56.2
BMRC0604	372280	7543305	43.6	5.45	0.44	0.004	0.15	0.5	0.624	0.063	0.085	0.014	18.5	0.47	11	48.9
BMRC0605	372280	7543305	36.0	6.68	0.44	0.006	0.254	0.5	1.585	0.093	0.079	0.011	27.6	0.59	9.67	39.9
BMRC0606	372280	7543305	16.4	8.21	0.22	0.017	0.495	0.45	1.745	0.146	0.055	0.008	56.9	1.04	6.09	17.5
BMRC0607	372299	7543201	51.8	5.41	0.09	0.006	0.188	0.21	0.086	0.079	0.03	0.025	9.68	0.26	9.72	57.3
BMRC0608	372299	7543201	40.54	4.95	6.95	0.006	0.132	2.27	0.068	0.097	0.02	0.033	10.8	0.3	16.1	48.3
BMRC0609	372299	7543201	37.16	5.86	6.12	0.005	0.119	3.81	0.155	0.109	0.016	0.031	12.7	0.4	17.3	44.9

Sample ID	Easting [1] (m)	Northing [1] (m)	Fe (%)	Al_2O_3 (%)	CaO (%)	Cr_2O_3 (%)	K_2O (%)	MgO (%)	MnO (%)	Na_2O (%)	P (%)	S (%)	SiO_2 (%)	TiO_2 (%)	LOI [4] (%)	Calcined Fe %[5]
BMRC0610	372299	7543201	26.89	5.64	7.06	0.007	0.174	5.06	0.071	0.105	0.015	0.019	25.1	0.78	17.4	32.5
BMRC0611	372299	7543201	23.34	8.3	5.59	0.008	0.221	4.43	0.039	0.126	0.011	0.012	31.3	0.88	15.6	27.7
BMRC0612	372299	7543201	37.57	7.33	2.95	0.006	0.17	2.6	0.143	0.138	0.015	0.022	18.85	0.49	13.4	43.4
BMRC0613	372299	7543201	47.2	4.35	2.17	0.001	0.079	1.94	0.354	0.083	0.022	0.023	9.58	0.28	13.4	54.4
BMRC0614	372299	7543201	49.3	3.71	1.37	<0.001	0.075	1.26	0.292	0.057	0.03	0.016	9.44	0.37	12.6	56.4
BMRC0615	372299	7543201	45.1	3.72	4.07	<0.001	0.075	3.18	0.323	0.048	0.032	0.017	6.67	0.18	16.9	54.3
BMRC0616	372299	7543201	48.9	4.65	0.91	0.003	0.07	0.91	0.412	0.051	0.027	0.015	10.2	0.39	12.1	55.7
BMRC0617	372299	7543201	46.0	4.45	1.52	0.001	0.085	1.32	0.24	0.032	0.041	0.012	12.5	0.48	13.3	53.1
BMRC0618	372299	7543201	33.1	6.34	3.63	0.005	0.182	2.9	0.342	0.041	0.038	0.006	23.9	0.7	14.3	38.6
BMRC0619	372299	7543201	33.5	7.37	1.45	0.001	0.291	1.31	0.531	0.059	0.047	0.005	28.7	0.84	11.2	37.7
BMRC0621	372289	7543099	49.4	7.05	0.07	0.006	0.24	0.13	0.037	0.037	0.025	0.022	11.4	0.29	9.91	54.8
BMRC0622	372289	7543099	53.1	5.85	0.1	0.006	0.112	0.2	0.042	0.041	0.025	0.032	6.74	0.23	10.5	59.4
BMRC0623	372289	7543099	52.3	4.99	0.11	0.005	0.092	0.23	0.043	0.044	0.023	0.027	7.53	0.31	11.6	59.2
BMRC0624	372289	7543099	49.7	5.49	1.37	0.005	0.08	0.27	0.044	0.06	0.025	0.031	9.2	0.33	11.9	56.4
BMRC0625	372289	7543099	40.7	6.87	3.86	0.003	0.15	0.65	0.062	0.078	0.016	0.036	15.8	0.57	13.5	47.1
BMRC0626	372289	7543099	51.0	5.26	0.77	0.006	0.09	0.54	0.098	0.078	0.017	0.04	7.83	0.39	11.7	57.8
BMRC0627	372289	7543099	50.4	4.14	1.11	0.002	0.073	0.73	0.087	0.07	0.013	0.037	8.57	0.38	12.6	57.6
BMRC0628	372289	7543099	45.5	7.01	1.44	0.004	0.15	0.97	0.1	0.093	0.011	0.039	11.05	0.37	13.6	52.6
BMRC0629	372289	7543099	50.8	5.5	0.36	0.004	0.078	0.43	0.101	0.073	0.017	0.034	7.45	0.37	12.8	58.2
BMRC0630	372289	7543099	44.2	7.29	0.32	0.003	0.224	0.39	0.146	0.1	0.012	0.025	16.3	0.71	11.1	49.7
BMRC0631	372289	7543099	39.7	9.46	0.61	0.007	0.327	0.58	0.114	0.118	0.008	0.02	19.95	0.78	11	44.6
BMRC0632	372289	7543099	43.2	7.63	0.2	0.002	0.25	0.31	0.142	0.109	0.01	0.019	18.65	0.66	10.1	48.0
BMRC0633	372289	7543099	16.7	11.4	0.14	0.007	0.497	0.33	0.124	0.198	0.014	0.009	54.9	1.42	6.75	17.9
BMRC0634	372294	7543004	49.4	4.95	3.07	0.002	0.12	0.27	0.053	0.052	0.021	0.029	7.76	0.25	12.5	56.5
BMRC0635	372294	7543004	49.8	4.74	2.2	0.006	0.118	0.35	0.03	0.098	0.021	0.038	8.35	0.27	12.3	56.8
BMRC0636	372294	7543004	45.3	5.13	0.7	0.003	0.116	0.36	0.018	0.1	0.017	0.028	16.65	0.71	11.2	51.0

Sample ID	Easting [1] (m)	Northing [1] (m)	Fe (%)	Al_2O_3 (%)	CaO (%)	Cr_2O_3 (%)	K_2O (%)	MgO (%)	MnO (%)	Na_2O (%)	P (%)	S (%)	SiO_2 (%)	TiO_2 (%)	LOI [4] (%)	Calcined Fe %[5]
BMRC0637	372294	7543004	40.2	7.08	0.82	0.007	0.22	0.44	0.032	0.14	0.018	0.018	21.7	0.98	11	45.1
BMRC0638	372294	7543004	35.1	10.55	0.14	0.008	0.418	0.54	0.085	0.19	0.015	0.016	26.1	1.22	10.3	39.1
BMRC0639	372294	7543004	16.2	20.5	0.22	0.013	0.961	1.04	0.045	0.341	0.006	0.016	42.9	1.43	9.17	17.8
BMRC0641	372294	7543004	9.4	23.3	0.22	0.019	1.04	1.08	0.065	0.372	0.006	0.012	49.5	1.83	8.92	10.3
BMRC0642	372294	7543004	24.0	20.5	0.19	0.011	0.758	0.78	0.18	0.305	0.004	0.02	31.5	1.03	9.95	26.7
BMRC0643	372294	7543004	27.3	18.4	0.19	0.014	0.732	0.7	0.843	0.267	0.006	0.019	27.7	1.02	10.4	30.4
BMRC0644	372034	7543017	48.7	5.2	1.4	0.003	0.168	0.3	0.036	0.09	0.017	0.033	11.25	0.27	11.4	55.0
BMRC0645	372034	7543017	51.8	5.37	0.46	0.005	0.116	0.42	0.06	0.166	0.022	0.054	8.25	0.21	10.6	57.9
BMRC0646	372034	7543017	49.2	5.67	1.38	0.001	0.121	0.62	0.064	0.182	0.014	0.049	9.61	0.22	11.4	55.6
BMRC0647	372034	7543017	50.3	5.6	0.15	0.004	0.114	0.53	0.1	0.197	0.016	0.042	9.9	0.26	10.9	56.5
BMRC0648	372034	7543017	36.1	10	1.5	0.008	0.371	1.89	0.23	0.341	0.013	0.043	20.4	0.61	12.5	41.3
BMRC0649	372036	7543114	43.5	8.19	1.22	0.007	0.349	0.65	0.039	0.168	0.022	0.128	15.1	0.32	11.2	49.0
BMRC0650	372036	7543114	29.8	5.01	13.15	0.001	0.152	5.49	0.025	0.144	0.012	0.21	10.25	0.23	22.1	38.3
BMRC0651	372036	7543114	41.3	5.04	5.61	0.001	0.111	4.01	0.033	0.119	0.012	0.051	9.5	0.22	16.1	49.2
BMRC0652	372036	7543114	43.9	6.5	1.84	0.006	0.174	1.84	0.043	0.19	0.014	0.056	13.7	0.35	12.3	50.0
BMRC0653	372036	7543114	43.7	5.59	2.67	0.003	0.12	2.26	0.045	0.126	0.014	0.04	13.75	0.4	12.2	49.8
BMRC0654	372036	7543114	29.9	7.34	4.55	0.006	0.194	3.65	0.042	0.193	0.009	0.047	25.5	0.65	14.8	35.1
BMRC0655	372036	7543114	40.1	6.77	4.24	0.006	0.108	3.36	0.038	0.168	0.012	0.042	11.1	0.23	16.4	47.9
BMRC0656	372036	7543114	36.6	8.84	2.87	0.008	0.142	2.4	0.047	0.206	0.011	0.037	18.05	0.4	14.4	42.7
BMRC0657	372036	7543114	36.9	6.22	3.76	0.005	0.174	2.97	0.065	0.17	0.012	0.037	19.15	0.48	14	42.8
BMRC0658	372036	7543114	40.5	5.09	3.24	<0.001	0.15	2.71	0.306	0.203	0.008	0.044	15.95	0.34	13.6	46.9
BMRC0659	372036	7543114	33.7	7.48	3.15	0.005	0.241	2.71	0.382	0.249	0.008	0.043	22.9	0.56	13.5	39.0
BMRC0661	372036	7543114	24.3	10.45	3.05	0.004	0.316	2.77	0.336	0.334	0.006	0.046	33.6	0.85	13	27.9
BMRC0662	372025	7543262	43.0	4.84	6.25	0.002	0.176	0.87	0.049	0.13	0.02	0.039	11.45	0.32	14.2	50.1
BMRC0663	372025	7543262	43.9	5.28	2.14	0.005	0.117	1.41	0.119	0.174	0.014	0.046	14.85	0.43	12.4	50.1
BMRC0664	372025	7543262	43.3	5.31	1.1	0.002	0.104	1.04	0.125	0.172	0.015	0.036	18.2	0.65	11.1	48.7

Sample ID	Easting [1] (m)	Northing [1] (m)	Fe (%)	Al_2O_3 (%)	CaO (%)	Cr_2O_3 (%)	K_2O (%)	MgO (%)	MnO (%)	Na_2O (%)	P (%)	S (%)	SiO_2 (%)	TiO_2 (%)	LOI [4] (%)	Calcined Fe %[5]
BMRC0665	372025	7543262	45.3	4.5	1.34	0.003	0.121	1.2	0.181	0.134	0.017	0.027	15.6	0.54	11.4	51.1
BMRC0666	372025	7543262	44.8	4.99	1.89	0.003	0.09	1.52	0.062	0.116	0.017	0.024	13.2	0.39	13.4	51.8
BMRC0667	372025	7543262	33.3	5.44	5.13	0.003	0.143	3.89	0.104	0.172	0.016	0.03	20.6	0.51	16	39.7
BMRC0668	372025	7543262	37.7	5.02	2.32	0.002	0.166	1.92	0.187	0.156	0.026	0.03	23	0.59	12.4	43.0
BMRC0669	372025	7543262	40.7	4.52	1.76	0.004	0.148	1.49	0.217	0.141	0.031	0.028	21.1	0.48	11.6	46.0
BMRC0670	372025	7543262	36.1	4.58	1.93	<0.001	0.202	1.55	0.285	0.126	0.033	0.02	27.5	0.58	11.3	40.7
BMRC0671	372025	7543262	30.7	6.59	1.28	0.004	0.291	1.19	0.291	0.168	0.035	0.021	35.3	0.6	9.99	34.1
BMRC0672	372025	7543262	34.2	7.31	0.4	0.004	0.346	0.6	0.435	0.179	0.051	0.024	31	0.58	9.72	37.8
BMRC0673	371775	7542956	40.3	5.49	7.55	0.004	0.296	0.49	0.065	0.069	0.026	0.038	13	0.27	14.7	47.3
BMRC0674	371775	7542956	31.2	5.41	9.42	0.003	0.263	5.18	0.067	0.156	0.025	0.094	13.9	0.37	20.1	39.1
BMRC0675	371775	7542956	23.9	7.14	8.19	0.001	0.339	6.48	0.034	0.211	0.018	0.025	23.1	0.75	19.3	29.6
BMRC0676	371775	7542956	45.3	4.17	2.92	0.003	0.154	2.34	0.069	0.1	0.025	0.021	10.55	0.24	14.5	53.0
BMRC0677	371775	7542956	47.5	4.56	1.16	0.003	0.192	1.11	0.073	0.118	0.03	0.021	11.9	0.24	12.5	54.3
BMRC0678	371775	7542956	48.4	4.61	0.4	0.004	0.18	0.62	0.119	0.121	0.027	0.023	12.55	0.21	11.7	54.8
BMRC0679	371775	7542956	33.5	6.67	2.51	0.004	0.373	2.27	0.126	0.159	0.021	0.017	26.8	0.55	12.4	38.2
BMRC0681	371775	7542956	43.0	5.06	1.98	0.003	0.266	1.64	0.087	0.09	0.011	0.013	16.1	0.42	12.7	49.3
BMRC0682	371775	7542956	11.1	12.85	2.95	0.009	0.715	2.83	0.227	0.268	0.006	0.012	52.5	1.11	10.5	12.4
BMRC0683	371775	7542956	22.2	10.25	4.94	0.002	0.415	4.01	0.309	0.209	0.006	0.019	32.5	0.36	14.9	26.1
BMRC0684	371775	7542956	19.5	9.42	7.71	0.005	0.437	5.9	0.33	0.183	0.009	0.022	28.9	0.44	18.4	23.9
BMRC0685	371775	7542956	26.2	13	2.62	0.005	0.542	2.42	0.329	0.254	0.021	0.022	29.3	0.57	13	30.1
BMRC0686	371780	7543040	49.8	6.76	0.26	0.008	0.286	0.24	0.095	0.064	0.03	0.013	11.1	0.27	9.47	55.0
BMRC0687	371780	7543040	41.5	6.52	7.42	<0.001	0.222	0.84	0.095	0.087	0.03	0.033	10.15	0.27	14.8	48.7
BMRC0688	371780	7543040	35.0	5.68	10.6	0.002	0.186	2.5	0.166	0.096	0.03	0.052	11.75	0.32	18.2	42.8
BMRC0689	371780	7543040	46.2	5.24	2.45	0.003	0.196	1.37	0.435	0.454	0.029	0.037	11.35	0.19	11.7	52.3
BMRC0690	371780	7543040	40.3	5.28	4.11	0.003	0.17	2.58	0.275	0.099	0.041	0.026	14.7	0.38	14.4	47.1
BMRC0691	371780	7543040	40.6	5.1	4.26	0.001	0.166	3.06	0.197	0.088	0.047	0.02	12.8	0.34	15.6	48.1

Sample ID	Easting [1] (m)	Northing [1] (m)	Fe (%)	Al_2O_3 (%)	CaO (%)	Cr_2O_3 (%)	K_2O (%)	MgO (%)	MnO (%)	Na_2O (%)	P (%)	S (%)	SiO_2 (%)	TiO_2 (%)	LOI [4] (%)	Calcined Fe %[5]
BMRC0692	371780	7543040	46.6	4.29	2.76	0.003	0.122	1.89	0.346	0.074	0.064	0.02	9.34	0.18	13.9	54.2
BMRC0693	371780	7543040	42.3	5.93	0.98	0.003	0.223	0.97	0.282	0.094	0.053	0.011	19.7	0.38	10.7	47.3
BMRC0694	371780	7543040	46.6	4.46	0.87	0.002	0.156	0.78	0.275	0.058	0.068	0.011	15.1	0.26	11	52.4
BMRC0695	371780	7543040	43.2	4.19	0.42	0.003	0.132	0.47	0.295	0.058	0.095	0.011	22.9	0.3	9.09	47.5
BMRC0696	371780	7543040	27.5	8.12	0.64	0.007	0.399	0.78	0.294	0.136	0.044	0.008	40.6	0.68	8.68	30.1
BMRC0697	371780	7543040	36.5	7.29	0.5	0.002	0.274	0.56	0.237	0.098	0.077	0.007	27.9	0.41	10.1	40.6
BMRC0698	371780	7543040	25.5	5.82	0.18	0.002	0.224	0.31	0.309	0.08	0.096	0.006	48.6	0.5	7.02	27.4
BMRC0699	371780	7543040	34.9	5.38	0.18	0.003	0.214	0.27	0.562	0.073	0.178	0.006	33.6	0.34	8.67	38.3
BMRC0701	371780	7543040	17.7	2.75	0.05	0.003	0.447	0.12	3.21	0.058	0.132	0.003	61.2	0.19	4.87	18.6
BMRC0702	371759	7543138	48.9	6.62	0.45	0.006	0.247	0.27	0.04	0.085	0.024	0.023	10.45	0.29	11.3	55.2
BMRC0703	371759	7543138	43.0	6.03	5.61	0.004	0.169	0.63	0.065	0.147	0.017	0.047	12	0.31	13.1	49.5
BMRC0704	371759	7543138	48.4	4.99	4.23	0.001	0.094	0.93	0.104	0.122	0.022	0.04	7.36	0.2	12.4	55.3
BMRC0705	371759	7543138	48.7	5.96	1.24	0.001	0.11	0.87	0.153	0.128	0.019	0.033	11	0.34	10.3	54.2
BMRC0706	371759	7543138	40.4	6.9	2.97	0.003	0.152	2.07	0.078	0.15	0.015	0.024	16.85	0.45	12.3	46.1
BMRC0707	371759	7543138	24.5	13	3.01	0.009	0.265	2.4	0.044	0.277	0.011	0.018	32	0.72	12.9	28.1
BMRC0708	371759	7543138	31.9	9.09	4.21	0.005	0.16	3.09	0.035	0.186	0.017	0.019	21.5	0.45	15.5	37.7
BMRC0709	371759	7543138	43.0	6.62	2.14	0.006	0.168	1.76	0.128	0.162	0.02	0.024	14.7	0.34	12.2	49.0
BMRC0710	371759	7543138	40.1	6.63	0.95	0.003	0.178	0.95	0.138	0.146	0.031	0.024	21.7	0.49	11.2	45.1
BMRC0711	371759	7543138	36.8	6.33	0.95	0.007	0.204	0.91	0.13	0.136	0.047	0.021	26.8	0.67	10.9	41.3
BMRC0712	371759	7543138	34.9	7.26	0.54	0.004	0.259	0.94	0.488	0.251	0.045	0.032	29	0.51	10.2	38.9
BMRC0713	371736	7543216	45.9	5.8	3.87	0.005	0.236	0.38	0.052	0.041	0.018	0.017	11.55	0.25	12	52.2
BMRC0714	371736	7543216	39.3	7.14	2.94	0.005	0.211	0.7	0.029	0.086	0.018	0.019	20.6	0.52	11.3	44.3
BMRC0715	371736	7543216	29.3	12.4	0.28	0.01	0.316	1.01	0.015	0.232	0.016	0.01	32.7	0.77	10.3	32.6
BMRC0716	371736	7543216	40.8	6.56	1.84	0.009	0.172	1.58	0.037	0.141	0.016	0.014	18.45	0.42	12.4	46.5
BMRC0717	371736	7543216	38.1	6.91	2.56	0.008	0.198	2.12	0.028	0.164	0.01	0.01	19.6	0.41	13.5	44.0
BMRC0718	371736	7543216	30.3	8.4	4.12	0.007	0.283	3.39	0.033	0.228	0.006	0.009	25	0.49	14.7	35.5

Sample ID	Easting [1] (m)	Northing [1] (m)	Fe (%)	Al_2O_3 (%)	CaO (%)	Cr_2O_3 (%)	K_2O (%)	MgO (%)	MnO (%)	Na_2O (%)	P (%)	S (%)	SiO_2 (%)	TiO_2 (%)	LOI [4] (%)	Calcined Fe %[5]
BMRC0719	371736	7543216	43.1	7.43	0.88	0.008	0.195	1	0.04	0.156	0.011	0.012	16.5	0.32	11.7	48.8
BMRC0721	371736	7543216	35.3	9.6	1.02	0.009	0.349	1.16	0.035	0.222	0.01	0.015	25.5	0.5	10.9	39.6
BMRC0722	371736	7543216	24.9	12.55	0.75	0.012	0.523	1	0.04	0.254	0.01	0.012	38.4	0.77	9.87	27.7
BMRC0723	371736	7543216	38.7	8.27	1.94	0.007	0.293	1.55	0.074	0.141	0.015	0.023	18.7	0.4	13	44.5
BMRC0724	371766	7543036	52.6	5.56	0.11	0.007	0.201	0.21	0.252	0.06	0.03	0.017	8.62	0.19	9.23	58.0
BMRC0725	371766	7543036	32.9	6.23	12.25	0.005	0.259	1.64	0.077	0.128	0.02	0.039	13.25	0.34	18.4	40.3
BMRC0726	371766	7543036	48.4	5.14	3.13	0.004	0.085	1.2	0.384	0.132	0.018	0.056	7.44	0.15	12.5	55.4
BMRC0727	371766	7543036	46.1	6.53	1.74	0.007	0.174	1.24	0.299	0.142	0.031	0.028	12.65	0.33	10.6	51.5
BMRC0728	371766	7543036	40.2	7.34	2.07	0.007	0.237	1.7	0.118	0.148	0.044	0.02	18.1	0.42	12.1	45.7
BMRC0729	371766	7543036	45.0	5.93	2.11	0.009	0.146	1.6	0.112	0.1	0.047	0.02	11.75	0.24	13.4	52.0
BMRC0730	371766	7543036	41.9	7.69	1.56	0.008	0.222	1.34	0.275	0.122	0.046	0.017	17.6	0.41	10.6	46.8
BMRC0731	371766	7543036	39.7	6.73	2.49	0.006	0.248	1.97	0.349	0.124	0.055	0.015	18.75	0.4	11.8	45.0
BMRC0732	371766	7543036	39.0	6.86	1.48	0.007	0.259	1.12	0.313	0.138	0.057	0.02	22.8	0.44	10.3	43.5
BMRC0733	371766	7543036	35.0	4.39	0.74	0.004	0.202	0.71	0.242	0.076	0.067	0.008	33.7	0.54	9.03	38.5
BMRC0734	371766	7543036	37.0	4.93	1.28	0.005	0.227	1.04	0.31	0.078	0.061	0.007	27.6	0.43	10.8	41.5
BMRC0735	371766	7543036	32.8	5.72	0.52	0.005	0.215	0.65	0.288	0.097	0.054	0.006	35.7	0.4	9.17	36.1
BMRC0736	371766	7543036	24.8	6.08	0.13	0.004	0.235	0.4	0.579	0.117	0.084	0.01	48.9	0.38	7.09	26.7
BMRC0737	371766	7543036	24.6	5.3	0.09	0.003	0.243	0.29	0.724	0.098	0.082	0.009	50.5	0.29	6.68	26.3
BMRC0738	371766	7543036	19.2	6.61	0.47	0.005	0.385	0.52	0.85	0.102	0.087	0.005	55.9	0.41	6.58	20.5
BMRC0739	371508	7543101	28.9	6.26	12.75	0.006	0.342	0.84	0.078	0.07	0.028	0.023	19.7	0.31	18.1	35.2
BMRC0741	371508	7543101	30.6	9.74	3.16	0.008	0.359	1.96	0.08	0.246	0.043	0.12	27.4	0.38	12.3	34.8
BMRC0742	371508	7543101	31.0	10.8	3	0.009	0.376	1.82	0.112	0.273	0.052	0.162	26.3	0.54	11.7	35.1
BMRC0743	371508	7543101	46.0	5.62	1.02	0.006	0.102	0.48	0.326	0.146	0.096	0.028	15.95	0.47	9.59	50.9
BMRC0744	371508	7543101	50.4	4.23	0.7	0.004	0.083	0.39	0.296	0.124	0.128	0.018	10.75	0.31	10.5	56.3
BMRC0745	371508	7543101	44.9	5.89	0.76	0.007	0.122	0.63	0.17	0.143	0.101	0.017	15.3	0.38	11.9	51.0
BMRC0746	371508	7543101	35.1	7.76	0.52	0.006	0.223	0.78	0.373	0.19	0.086	0.015	28.7	0.74	9.99	39.0

Sample ID	Easting [1] (m)	Northing [1] (m)	Fe (%)	Al_2O_3 (%)	CaO (%)	Cr_2O_3 (%)	K_2O (%)	MgO (%)	MnO (%)	Na_2O (%)	P (%)	S (%)	SiO_2 (%)	TiO_2 (%)	LOI [4] (%)	Calcined Fe %[5]
BMRC0747	371508	7543101	23.6	7.95	0.2	0.006	0.302	0.82	0.428	0.209	0.061	0.01	47.6	1.22	7.06	25.4
BMRC0748	371508	7543101	35.5	5.58	0.15	0.004	0.216	0.5	0.507	0.132	0.082	0.009	31.9	0.79	8.87	39.0
BMRC0749	371508	7543101	41.4	4.86	0.14	0.004	0.196	0.4	0.523	0.102	0.107	0.008	23.8	0.44	9.77	45.9
BMRC0750	371508	7543101	30.7	5.95	0.16	0.004	0.277	0.52	0.509	0.15	0.094	0.013	39.5	0.51	7.98	33.3
BMRC0751	371277	7543128	32.0	4.94	12.95	0.007	0.275	0.82	0.041	0.045	0.022	0.01	17.4	0.32	17.3	38.7
BMRC0752	371277	7543128	41.7	5.54	4.25	0.007	0.153	2.23	0.055	0.124	0.026	0.026	14.2	0.38	13.1	48.0
BMRC0753	371277	7543128	31.0	8.79	2.32	0.008	0.271	2.41	0.058	0.25	0.025	0.03	29.1	0.58	11.6	35.0
BMRC0754	371277	7543128	21.8	11.25	3.06	0.009	0.361	3.43	0.037	0.349	0.031	0.021	36.5	0.63	12.9	25.0
BMRC0755	371277	7543128	31.5	7.21	4.14	0.006	0.246	3.55	0.22	0.231	0.057	0.02	23.5	0.53	14.9	37.0
BMRC0756	371277	7543128	41.1	7.53	0.28	0.006	0.338	0.62	0.378	0.428	0.097	0.016	19.4	0.38	11.2	46.3
BMRC0757	371277	7543128	6.9	2.77	2.75	0.004	0.327	2.12	1.665	0.101	0.043	0.004	72.4	0.29	6.73	7.4
BMRC0758	371277	7543128	0.9	1.42	0.16	0.003	0.426	0.23	3.41	0.075	0.012	<0.001	90	0.13	1.35	1.0
BMRC0759	371277	7543128	4.1	3.7	2.72	0.004	0.235	2.06	1.4	0.074	0.014	0.002	76.9	0.15	6.13	4.4
BMRC0761	371277	7543128	34.6	4.5	4.63	0.004	0.296	3.32	3.03	0.106	0.063	0.014	16.75	0.17	15.8	41.1
BMRC0762	371277	7543128	26.7	6.42	1.46	0.004	0.331	1.24	1.725	0.141	0.061	0.012	39.3	0.3	9.69	29.6
BMRC0763	371277	7543128	5.9	4.8	0.11	0.004	0.288	0.33	0.419	0.139	0.028	0.005	82	0.47	2.66	6.0
BMRC0764	371277	7543128	23.4	2.65	0.11	0.002	0.324	0.24	2.16	0.078	0.126	0.006	53.5	0.26	5.81	24.9
BMRC0765	371040	7543086	45.9	5.42	1.95	0.007	0.213	0.4	0.102	0.049	0.021	0.012	13.6	0.44	12	52.1
BMRC0766	371040	7543086	25.7	4.57	14.1	0.003	0.139	4.77	0.112	0.206	0.015	0.06	16.15	0.35	22.3	33.1
BMRC0767	371040	7543086	27.4	4.14	9.34	0.001	0.128	6.92	0.065	0.264	0.019	0.047	18.6	0.32	20.6	34.5
BMRC0768	371040	7543086	31.2	4.06	7.15	0.002	0.128	5.96	0.146	0.229	0.042	0.031	18.35	0.27	18.6	38.4
BMRC0769	371040	7543086	8.6	2.78	2.67	0.003	0.16	2.32	0.259	0.138	0.028	0.01	72.1	0.27	6.66	9.2
BMRC0770	371040	7543086	17.4	4.85	2.86	0.003	0.22	2.52	0.295	0.185	0.049	0.016	54	0.31	9.36	19.2
BMRC0771	371040	7543086	35.7	3.92	2.21	0.002	0.123	1.78	0.65	0.116	0.055	0.02	27.6	0.19	11.7	40.5
BMRC0772	371040	7543086	29.4	4.92	3.37	0.005	0.2	2.8	0.621	0.163	0.046	0.029	32.3	0.47	12.5	33.6
BMRC0773	370997	7543124	47.7	4.56	1.96	0.005	0.24	0.37	0.056	0.052	0.022	0.016	13.05	0.26	11.1	53.6

Sample ID	Easting [1] (m)	Northing [1] (m)	Fe (%)	Al_2O_3 (%)	CaO (%)	Cr_2O_3 (%)	K_2O (%)	MgO (%)	MnO (%)	Na_2O (%)	P (%)	S (%)	SiO_2 (%)	TiO_2 (%)	LOI [4] (%)	Calcined Fe %[5]
BMRC0774	370997	7543124	46.2	5.09	1.36	0.005	0.111	1	0.024	0.107	0.016	0.022	13.2	0.38	12.5	52.8
BMRC0775	370997	7543124	27.0	9.58	2.91	0.007	0.208	2.88	0.027	0.253	0.011	0.019	31.3	0.82	13.1	31.1
BMRC0776	370997	7543124	46.0	4.22	1.93	0.005	0.077	1.64	0.03	0.113	0.013	0.02	12.65	0.39	13	52.9
BMRC0777	370997	7543124	36.3	6.7	1.4	0.006	0.2	1.54	0.023	0.172	0.012	0.016	25.8	0.75	11.3	40.9
BMRC0778	370997	7543124	27.1	9.71	0.61	0.007	0.498	1.8	0.224	0.369	0.018	0.035	37.3	0.72	9.55	30.0
BMRC0779	370997	7543124	4.1	2.71	2.73	0.004	0.188	2.28	0.018	0.106	0.005	0.008	80.1	0.37	5.57	4.3
BMRC0781	370997	7543124	11.1	5.62	3.52	0.004	0.239	3.09	0.152	0.192	0.01	0.013	61.4	0.34	9.4	12.2
BMRC0782	370997	7543124	32.9	5.36	4.74	0.001	0.193	3.79	0.654	0.152	0.032	0.031	21.7	0.2	15.6	39.0
BMRC0783	370778	7542986	47.7	4.95	1.21	0.006	0.313	0.25	0.043	0.071	0.018	0.016	12.25	0.36	12.3	54.3
BMRC0784	370778	7542986	37.7	4.39	6.3	0.004	0.183	1.81	0.041	0.079	0.016	0.025	18.2	0.44	14.4	44.1
BMRC0785	370778	7542986	29.9	5.94	3.14	0.005	0.262	2.32	0.045	0.14	0.014	0.03	32.4	0.61	12.2	34.0
BMRC0786	370755	7542932	40.0	6.45	4.11	0.006	0.481	0.62	0.253	0.062	0.037	0.014	16.9	0.51	13.1	46.0
BMRC0787	370755	7542932	35.4	4.62	6.93	0.002	0.231	4.58	0.348	0.095	0.046	0.038	13.65	0.34	18.1	43.2
BMRC0788	370755	7542932	25.1	5.1	5.78	0.002	0.371	4.65	1.725	0.268	0.032	0.064	28.7	0.28	15.8	29.8
BMRC0789	370777	7542901	45.0	6.93	0.14	0.007	0.459	0.3	0.152	0.053	0.015	0.009	15.95	0.5	10.9	50.6
BMRC0790	370777	7542901	30.4	5.86	4.53	0.004	0.375	0.91	0.352	0.174	0.03	0.038	32.3	0.46	11.1	34.2
BMRC0791	370542	7542893	14.1	5.4	12.85	0.005	0.439	6.71	0.026	0.132	0.011	0.453	31.9	0.28	20.7	17.8
BMRC0792	370542	7542893	32.1	3.89	7.44	0.003	0.206	5.65	0.112	0.153	0.018	0.047	16.9	0.33	18.9	39.6
BMRC0793	370542	7542893	32.2	3.74	7.22	0.003	0.198	5.5	0.059	0.12	0.021	0.031	17.4	0.34	19	39.8
BMRC0794	370542	7542893	28.9	5.05	7.39	0.002	0.213	5.69	0.066	0.17	0.022	0.027	20.3	0.46	19	35.7
BMRC0795	370511	7543025	18.2	4.25	18.75	0.003	0.345	5.97	0.155	0.048	0.012	0.023	18.4	0.25	25.6	24.4
BMRC0796	370511	7543025	7.0	2.82	6.28	0.002	0.149	4.74	0.061	0.241	0.02	0.073	63	0.59	11.8	7.9
BMRC0797	370511	7543025	3.4	1.18	7.33	0.002	0.069	5.36	0.043	0.058	0.01	0.011	67.9	0.68	12.3	3.9

Notes:

1. *Coordinate Datum : GDA94, UTM MGA94 Zone 50.*
2. *Samples prepared as fused disk and elements analysed by XRF Spectrometry.*
3. *Compounds percentages calculated.*

4. *Loss on Ignition (LOI) analysed by Thermal Gravimetric Analyser*
5. *Calcined Fe grades are calculated as a function of Fe grade and LOI*
6. *'x' denotes result is below detection limit for this analysis method*

APPENDIX C

JORC Code, 2012 Edition – Table 1 report

Section 1 Sampling Techniques and Data

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	*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.* *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* *Aspects of the determination of mineralisation that are Material to the Public Report.* *In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases, more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.*	• Industry Standard Reverse Circulation (RC) drilling techniques were employed to deliver consecutive 1 metre down-hole drill cuttings to the surface, whereby sample return is passed through a cyclone underflow into a stationary cone splitter attached to the underside of the cyclone. Two sub-sample collection ports are utilised to split each one metre down-hole sample, enabling up to two sub-sample splits (~2-3kg) to be collected into calico bags. The remainder of the sample was then free dumped onto the ground surface, in rows of 20 single metre piles, near to the drill hole collar. • All drilling, sample collection and sampling handling procedures were supervised by Burley's consultant geology personnel to today's industry standards. QA/QC procedures were implemented during the drilling program to today's industry standards. • All samples were obtained to enable total pulverisation and catchweights obtained for industry standard iron ore package analysis.
Drilling techniques	*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).*	• Slimline Reverse Circulation (RC) drilling techniques employed using face sampling hammer with a hole diameter of 125mm. • Drill Rig is a truck-mounted AustEx X300 with Sullair 1050psi/350cfm compressor and Hurricane 636 Booster.
Drill sample recovery	*Method of recording and assessing core and chip sample recoveries and results assessed.* *Measures taken to maximise sample recovery and ensure representative nature of the samples.* *Whether a relationship exists between sample recovery and grade*	• Drilling was observed at all times and recoveries were observed to be high and consistent, thus sampling is considered to be representative, and without sample bias.

Criteria	JORC Code explanation	Commentary
	and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	
Logging	*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.* *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* *The total length and percentage of the relevant intersections logged.*	• Drill chip samples were logged geologically to a level of detail suitable for mineral resource estimation, if required. • Logging was qualitative and quantitative. • All drill samples were logged.
Sub-sampling techniques and sample preparation	*If core, whether cut or sawn and whether quarter, half or all core taken.* *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.* *For all sample types, the nature, quality and appropriateness of the sample preparation technique.* *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.* *Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.* *Whether sample sizes are appropriate to the grain size of the material being sampled.*	• RC drill samples were split, to obtain sub-samples for analysis, using a stationary cone splitter mounted beneath the sample cyclone attached to the drill rig. • RC drilling and sample splitting using cyclones and stationary cone splitters is considered to be industry standard and appropriate for evaluating CID iron ore deposits. • Duplicate samples were not taken during the drilling process. • Certified Reference Material (CRM) were inserted into the sampling stream at a ratio of 1 in 20 samples. All samples were obtained to enable total pulverisation and catchweights obtained for industry standard iron ore package analysis.
Quality of assay data and laboratory tests	*The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.* *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.* *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*	• Samples were submitted to an independent laboratory (ALS Global, Wangara). Industry standard sample preparation (dry, crush and total pulverisation) and multi-element XRF techniques for a standard Iron Ore suite of elements and compounds (ALS Code: ME_XRF21n) were employed. Lithium borate fusion and XRF Spectrometry finish is industry standard method for the analysis of oxide iron ores. Loss On Ignition (LOI) analysis technique was by Thermo Gravimetric Analyser (ALS Code: ME_GRA05). • CRM samples were inserted into the sampling stream, and

Criteria	JORC Code explanation	Commentary
	have been established.	samples submitted to the laboratory. • Review of QAQC data did not reveal any bias and the levels of accuracy and precision to be appropriate for first pass exploration.
Verification of sampling and assaying	*The verification of significant intersections by either independent or alternative company personnel.* *The use of twinned holes.* *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* *Discuss any adjustment to assay data.*	• Verification of significant intersections was conducted internally by Company personnel. • There was no twinning of holes. • All data is entered into a computer database and verified. Data is recorded onto laptop computers and uploaded onto the Company's server. • No adjustments were made to the original laboratory assays.
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.*	• Drill hole collars were located using a hand-held GPS with a horizontal and vertical accuracy of ±3 metres. • Coordinates are reported to GDA94 datum, UTM MGA94 Zone 50. • There is no topographic control. Future work will involve a Light Detection and Ranging (LIDAR) survey to obtain high resolution topographic control.
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.*	• RC drill samples were taken at 1 metre downhole intervals, however the current drill hole spacing is not considered to be sufficient to establish the degree of geological and grade continuity appropriate for Mineral Resource estimation procedure and classifications applied. • Sample compositing was not applied to RC drill samples,
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.*	• RC drill holes were inclined at -90° (vertical) so as to achieve unbiased sampling of the sub-horizontal CID horizon. • RC drilling was completed using vertical holes, orthogonal to the mesa-form CID horizon, and is therefore considered that sampling bias has not been introduced.

Criteria	JORC Code explanation	Commentary
Sample security	*The measures taken to ensure sample security.*	• Sample security was maintained at all times by the Company's geological consultants. Individual samples were collected in pre-numbered calico bags, then collated into labeled poly-woven bags, zip-tied, and hand delivered direct to the laboratory (ALS Global, Wangara).
Audits or reviews	*The results of any audits or reviews of sampling techniques and data.*	• There has been no audit or review of sampling techniques and data.

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	*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.* *The security of the tenure held at the time of reporting along with any known impediments to obtaining a license to operate in the area.*	• Exploration Licence 08/3424 is registered 100% to Burley Minerals Limited. • The tenement is located within the Cane River Conservation Park. • There are no current known impediments to obtaining a license to operate in the area. • Standard Western Australia royalties apply to the project.
Exploration done by other parties	*Acknowledgment and appraisal of exploration by other parties.*	• There are no records of recent (post-1970) on-ground exploration activities having been carried out within the tenement area. The only records located in the mineral exploration open-file (public) reports stored in the Western Australian Mineral WAMEX database are by the following: o US Steel International (New York) Inc carried out reconnaissance activities in the area (Temporary Reserve 4906H) in1969. There is mention of rock chip sampling (WAMEX A4), with similar results to those being reported on in this report. There is no mention of any drilling having been carried out with the Cane Bore tenement area, however that company did conduct reconnaissance open hole blade drilling in nearby areas, such as Warramboo and

Criteria	JORC Code explanation	Commentary
		Dinner Camp deposits owned and operated by Robe River Iron Associates, a JV between Rio Tinto, Mitsui Iron Ore Development, and Nippon Steel. o Bexgan Pty Ltd (1993-2003, $5,751), Mineralogy Pty Ltd (2003-2017, 0$) & BC Pilbara Iron Ore Pty Ltd (2017-2018, $46,882) held the ground (E08/691), but only recorded a total expenditure of $52,633. The only WAMEX reports located for E08/691 were two reports by Mineralogy, in which no exploration activities were conducted and reported on.
Geology	*Deposit type, geological setting and style of mineralisation.*	• The outcropping mineralisation existing on E08/3424 are Channel Iron Deposits (CID) which are alluvial deposits associated with the palaeodrainage systems of the Fortescue River valley. • CIDs represent tertiary alluvial deposits, rich in ferruginous fragments, which were eroded from the country rock (Hamersley Surface) and deposited in river channels. Where outcropping, CIDs occur as variably dismembered, topographically inverted palaeochannel deposits preserved along major palaeodrainage lines. • CIDs are primarily a clast-supported, very-fine to very-coarse sandstone to granule-conglomerate comprised of iron-rich detrital material that has undergone variable amounts of weathering and alteration. The clasts are typically composed of goethite ± hematite and fossil wood (pseudomorphed by hematite ± goethite), which are cemented by iron oxide. The matrix is goethite and is often of similar grade to the pelletoids
Drill hole Information	*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:* *easting and northing of the drill hole collar* *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*	• Drill hole information is tabulated and attached to this report as Appendix A.

Criteria	JORC Code explanation	Commentary
	dip and azimuth of the hole *down hole length and interception depth* *hole length.* *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.*	
Data aggregation methods	*In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.* *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.* *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	• No data aggregation methods or metal equivalent values have been utilised in reporting of exploration results.
Relationship between mineralisation widths and intercept lengths	*These relationships are particularly important in the reporting of Exploration Results.* *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').*	• The CID mineralisation is sub-horizontal, and drill holes were orientated vertically to intersect the CID mineralisation at an optimum angle. Down hole intersection widths are considered to be close to true widths.
Diagrams	*Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	• Plan view of sampling locations and %Fe results are included in the main body of this report as Figure 3 • One drill cross section is included in the main body of this report as Figure 4

Criteria	JORC Code explanation	Commentary
Balanced reporting	*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.*	• All RC drill results are tabulated and attached to this report as Appendix B.
Other substantive exploration data	*Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.*	• There is no other meaningful and material exploration data to report.
Further work	*The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).* *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• The Company is in the process of conducting a second heritage survey on the CID areas to the north of the Cane River. Once that has been completed a second RC drilling program will commence in the cleared areas. • The Company has lodged a second Program of Works (PoW) application to carry out diamond drilling of the CID deposits, for metallurgical purposes.