

LUNNON METALS LIMITED
ABN: 82 600 008 848

BOARD/MANAGEMENT

Mr Liam Twigger
NON-EXECUTIVE CHAIRPERSON

Mr Ian Junk
NON-EXECUTIVE DIRECTOR

Ms Deborah Lord
NON-EXECUTIVE DIRECTOR

Mr Ashley McDonald
NON-EXECUTIVE DIRECTOR

Mr Edmund Ainscough
MANAGING DIRECTOR

Mr Aaron Wehrle
EXPLORATION &
GEOLOGY MANAGER

OFFICE

Suite 5/11 Ventnor Avenue
WEST PERTH WA 6005

POSTAL ADDRESS

PO BOX 470
WEST PERTH WA 6872

CONTACT DETAILS

+61 8 6424 8848
info@lunnonmetals.com.au

lunnonmetals.com.au

SHARE REGISTRY

Automic Group

ASX CODE: LM8

BAKER FIRES UP - Ni grades over 14% in best hole to date!

18 JULY 2022

KEY POINTS

- **Baker RC drilling returns 23m @ 6.78% (> 1.0% Ni cut off) including:**
 - **14m @ 8.13% Ni & 7m @ 5.92% Ni (2m <0.50% Ni in between)**
- **Two distinct but immediately adjacent nickel sulphide zones**
- **Widths & grades are a significant improvement on the recent MRE**

Lunnon Metals Limited (**ASX: LM8**) (the **Company** or **Lunnon Metals**) is pleased to provide an update on the progress of the drilling programme at the Baker Shoot, part of the Kambalda Nickel Project (**KNP**). Baker was discovered and progressed to a JORC 2012 compliant Mineral Resource totalling 15,800t¹ nickel metal @ 2.8% Ni within nine months of discovery and inside 12 months of Lunnon Metals' listing on the ASX.

First results from the programme of over 8,000m RC drilling and 3,000m diamond drilling were reported on 11 June 2022. The programme is infilling and extending the recent June 2022 Mineral Resource Estimation (**MRE**).

RC drill hole ECO22RC_048 is on the first infill line of drilling (section 6,531,180mN) and was subject to additional verification due to the significant widths and grades encountered. Above a 1.0% Ni cut off the hole recorded:

- **23m @ 6.78% Ni, 0.45% Cu, 0.12% Co, 0.98g/t Pd, 0.26g/t Pt (134m) including:**
 - **14m @ 8.13% Ni, 0.53% Cu, 0.14% Co, 1.13g/t Pd, 0.31 g/t Pt (134m);**
 - an intervening 2m of komatiite grading less than 0.50% Ni; and
 - **7m @ 5.92% Ni, 0.40% Cu, 0.11% Co, 0.96g/t Pd, 0.24g/t Pt (150m).**

Drilled widths approximate true widths in all cases subject to final interpretation.

As part of the verification process for this outstanding intersection, a downhole wireline optical survey was conducted. The optical survey results are presented in Figure 2 and clearly show the contacts of the nickel mineralisation for the hanging wall position (Base of Flow or **BOF**), the intervening lower grade komatiite and then a second nickel sulphide intersection on the western shear, where mineralisation is interpreted to be remobilised.

The location of both intersections is predicted by the recent June 2022 Baker MRE however the results are a significant improvement on the width and grade modelled locally in that exercise. Full assay results of individual metre samples for the reported intersections are detailed in Annexure 2 and highlight that significant levels of the elements Cu, Co, Pd and Pt are also present where the nickel grades are highest.

¹ A breakdown of the Baker Mineral Resource is included on Page 5 and appended at the end of this report.

Managing Director, Ed Ainscough, commenting said:

"Another stand out result for Baker - the run of five consecutive metres over 10% Ni really is the "cherry on top"! Following the results reported last week from this same section, the fact that Baker has the ability to deliver these nickel grades over such impressive widths and all so close to surface, is exciting for the entire Lunnon Metals team and naturally, of course, for our shareholders".

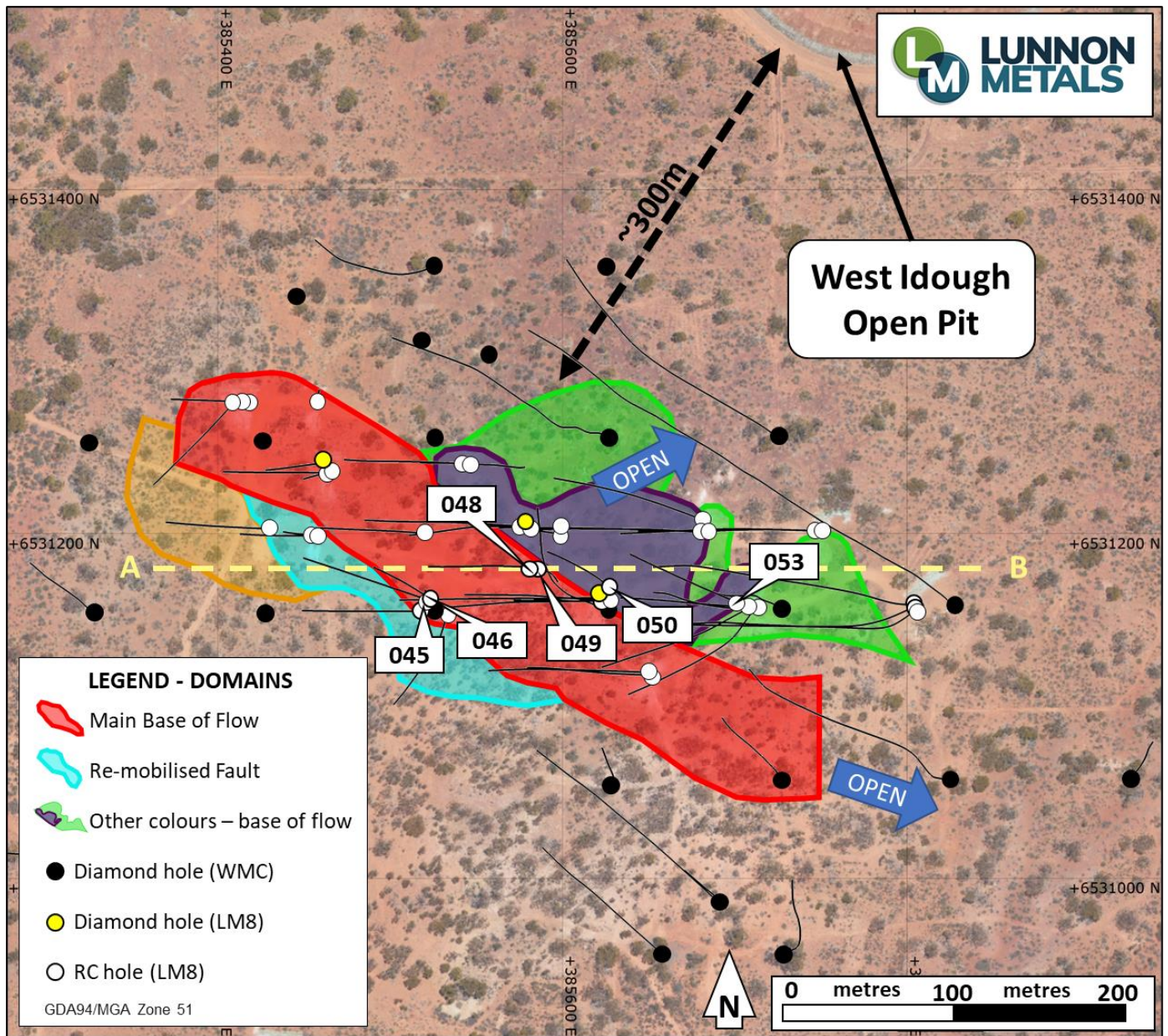


Figure 1: Plan view of the geological mineralisation model at Baker Shoot illustrating section line 6,531,180mN (A-B see Figure 3).

Note: to minimise surface and environmental disturbance multiple RC holes are drilled from each cleared drill pad. Results shown in Figure 3 are on the section on which the holes intersected the nickel mineralisation, not the section on which they were collared.

INTERPRETATION OF ECO22RC_048 RESULT

The Company retained ABIMS Solutions of Kalgoorlie to conduct a wireline survey of ECO22RC_048 using the latest generation QL40 OBI Optical Televiewer and a customised logging vehicle. The Optical Televiewer generates an oriented 360 degree image of the borehole wall by way of a CCD (charge-coupled device) camera recording the images reflected through a prism. It should be noted that the resultant image of the borehole wall (see Figure 2) produces an exaggerated hole width relative to the hole depth and the metre markers shown.

The results of this survey clearly record the key geological and mineralisation contacts of an upper BOF nickel sulphide intersection aligned with the hosting komatiite stratigraphy. This supports the interpretation that the BOF nickel surface is a stratigraphy parallel, hanging wall nickel channel at the base of the second komatiite flow.

The resultant widths, and grades, are significantly greater than recently modelled in the MRE for this location.

The survey also confirmed the second nickel intersection is oriented at an angle to the stratigraphy supportive of it being hosted on the modelled mineralised western shear in the MRE. The banded nature of the sulphides appears to correlate with observations in the previous diamond drill holes proximal to this location that were interpreted as being remobilised nickel sulphides, potentially from an as yet unknown source on the main komatiite-basalt contact below. The Company highlights the recently reported intersection of 5m @ 6.99% Ni in ECO22RC_049 was also suggestive of the presence of nickel mineralisation at, or near, the main komatiite-basalt contact.

The widths and grades related to the second intersection, which is on the western shear, are also greater than recently modelled in the MRE for this location. A summary log of the RC chips is presented in Table 1 below and the geological cross section has been updated with ECO22RC_048 and is shown in Figure 3.

Table 1: ECO22RC_048 summary RC chip logging

Down hole depth (m)	Interval (m)	Host	Geological log of RC drill chips	
			Sulphide ~% in rock	Mineralisation description
132	3	Kambalda Komatiite	0.5	Minor pyrite in ultramafic
135	1		5	Pyrrhotite stringers
136	6		40-80	Strong matrix sulphides, equally pentlandite and pyrrhotite
142	5		>80	Massive sulphides, pyrrhotite dominant, pentlandite
147	1		15	Few massive pyrrhotite dominant plus pentlandite chips, in ultramafic (end of previous metre massive sulphides)
148	2		3	Few blebs, stringers of sulphide (pyrrhotite / pentlandite)
150	1		7	As above increasing mineralisation over previous interval
151	1		>80	Massive sulphides, pyrrhotite dominant, pentlandite
152	2		3	Weak shear in ultramafic
154	2		>80	Massive sulphides, pyrrhotite dominant, pentlandite
156	1		2	Minor pyrite in ultramafic
157	18		0	Minimal sulphide mineralisation logged to End of Hole

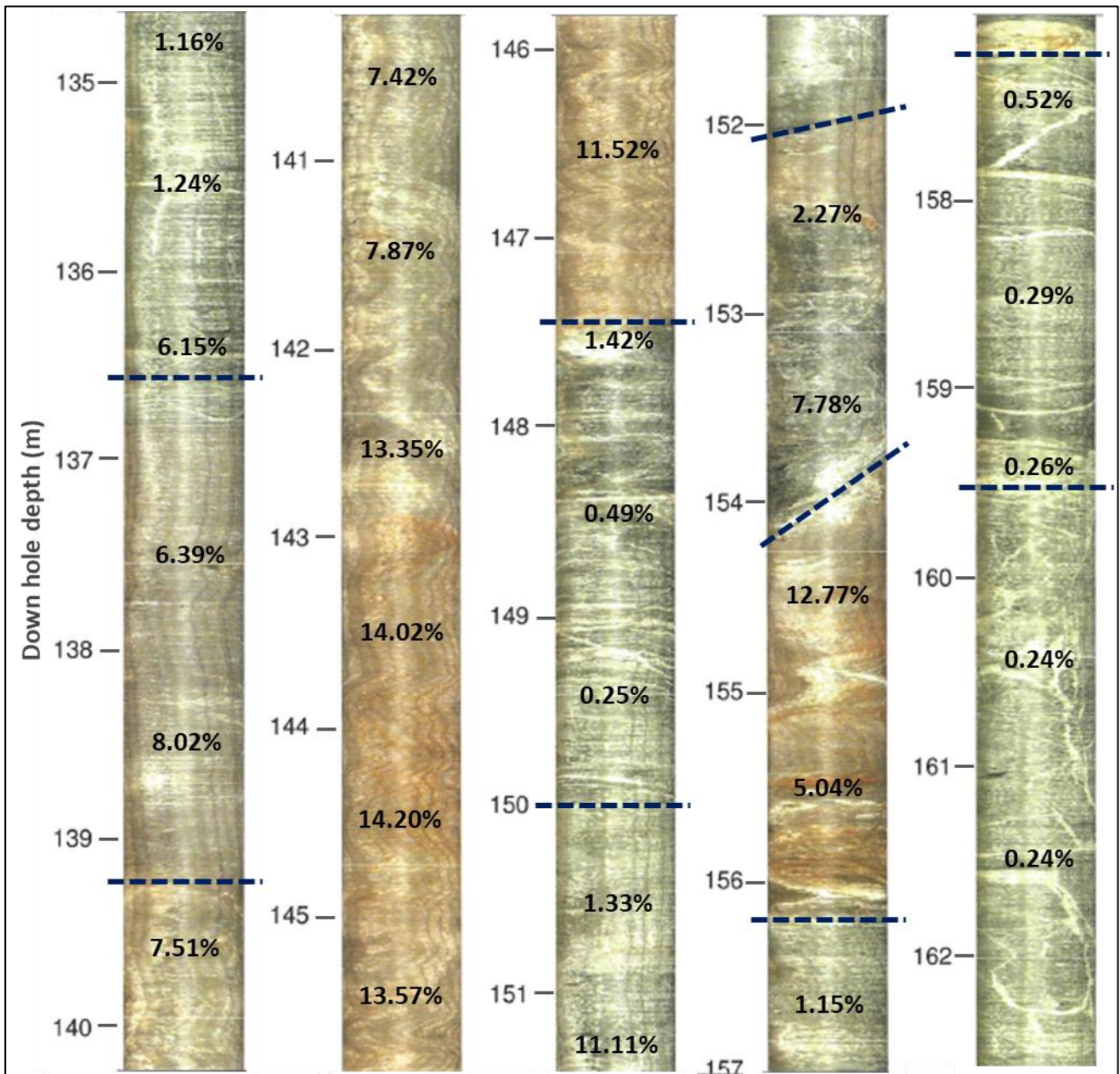


Figure 2: Down hole tele-viewer optical survey of ECO22RC_048 annotated with 1m length assay results for nickel.

The Company notes that RC drilling samples the country rock on 1m intervals. Accordingly the assay results for any 1m drill length that contains a mineralisation contact will reflect a whole metre of drilling across that same contact.

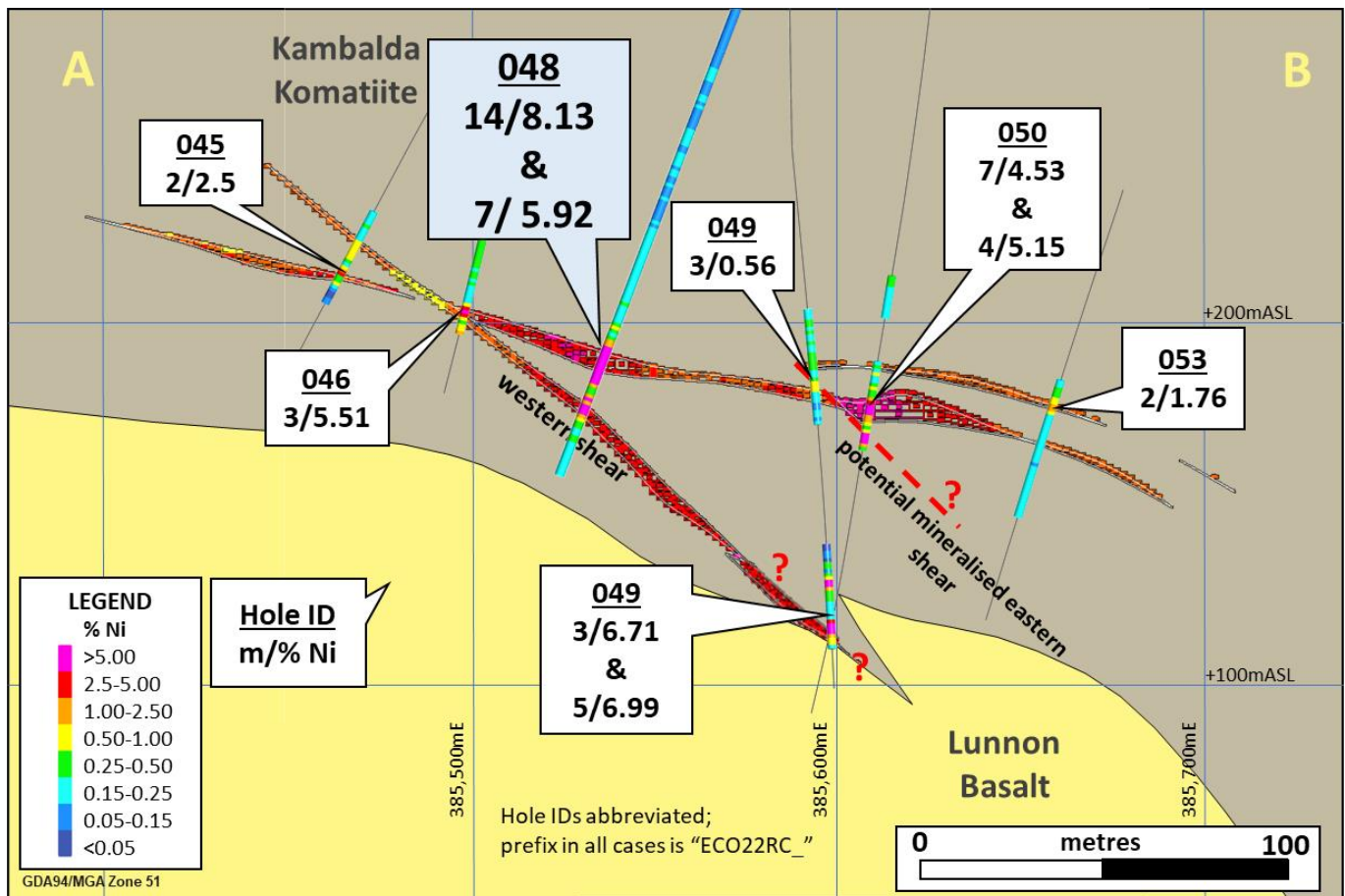


Figure 3: Geological cross section 6,531,180mN updated to include ECO22RC_048 plotted against the recent June 2022 Mineral Resource.

BAKER MINERAL RESOURCE

The Company reported the initial MRE for the Baker Shoot in June 2022, its first discovery at the KNP. The first-time Indicated and Inferred Baker MRE comprised:

- 295,000 tonnes @ 2.75% Ni for 8,100 nickel tonnes in Indicated Mineral Resource; and
- 273,000 tonnes @ 2.82% Ni for 7,700 nickel tonnes in Inferred Mineral Resource.

This increased Lunnon Metals' global MRE across the KNP to 2.2 million tonnes @ 2.9% nickel for 64,300 contained nickel tonnes². In contained metal terms the global MRE across the KNP has now grown by 65% since the Company's IPO in June 2021.

² A tabulation of the Mineral Resource for the KNP is appended at the end of this report.

NEXT STEPS

The current drill programme is infilling the MRE on 20m spaced sections in key areas for later mine design purposes. It is also looking to convert Inferred mineralisation to an Indicated level of confidence and extend the Inferred Resource, both down plunge and to the northeast, where the MRE is currently open.

The scope of the metallurgical and geotechnical work, which commenced on the limited diamond core available prior to the completion of the MRE, will be expanded to accommodate the significant thicknesses and elevated nickel grades recorded in this first round of results. To that end, the planning and placement of upcoming diamond drill holes will be adjusted to acquire the requisite volume of sample necessary to appropriately reflect the mineralised domains now being encountered.

This announcement has been approved for release by the Board of Lunnon Metals Ltd.

Edmund Ainscough
Managing Director
Phone: +61 8 6424 8848
Email: info@lunnonmetals.com.au

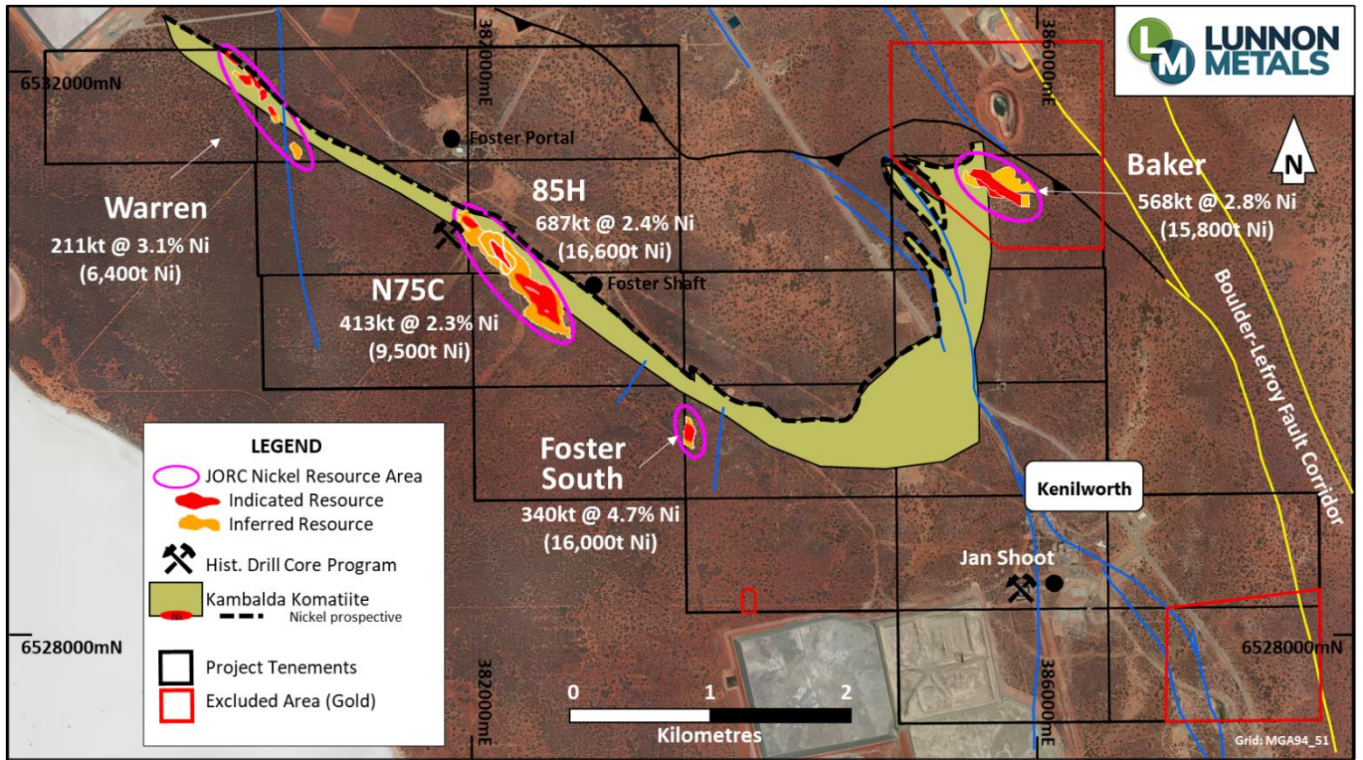


Figure 4: Plan of the Kambalda Nickel Project showing location of all work areas.

Annexure 1: Drill Hole Collar Table

Hole ID	Easting^	Northing^	Elevation (m ASL)	Dip	Azimuth	EOH Drill Depth (m)	Hole Type	Grid
ECO22RC_048	385,584	6,531,180	320	-68.91	271.92	174	Surf RC	MGA94_51

^For current drilling, as pegged coordinates, final survey pick up of collar positions to occur on a campaign basis in the future.

Annexure 2: Individual Metre Assay Results for, and surrounding, reported intersections

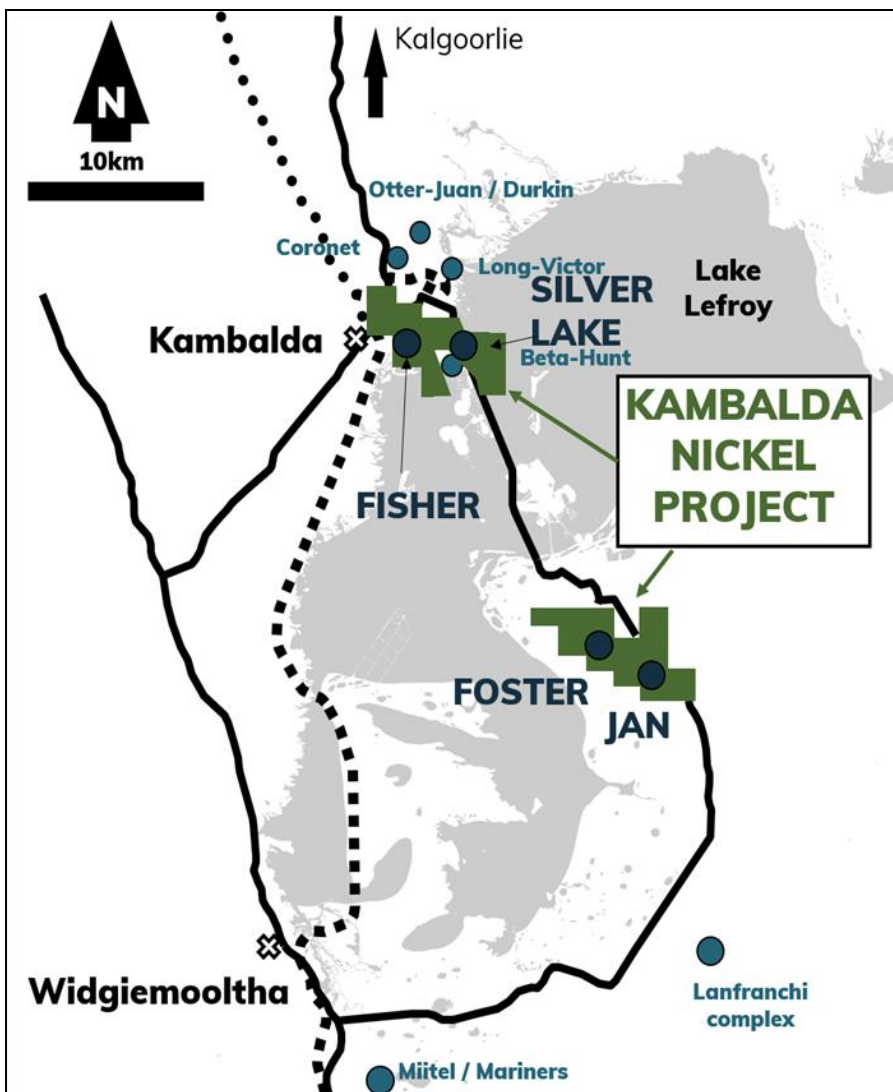
Hole ID	From (drill depth) (m)	Width (m)	Ni %	Cu %	Co %	Fe %	Mg %	As ppm	Pd g/t	Pt g/t
ECO22RC_048	134	1.0	1.16	0.03	0.02	6.6	17.2	<20	0.12	0.01
	135	1.0	1.24	0.10	0.02	10.9	15.0	<20	0.20	0.05
	136	1.0	6.15	0.92	0.11	26.4	8.1	23	1.24	0.32
	137	1.0	6.39	0.23	0.11	23.4	8.2	<20	1.12	0.34
	138	1.0	8.02	1.31	0.14	29.1	6.3	23	1.41	0.37
	139	1.0	7.51	0.42	0.13	26.0	7.7	<20	1.26	0.34
	140	1.0	7.42	0.24	0.14	27.6	7.1	21	1.30	0.38
	141	1.0	7.87	0.40	0.15	31.8	5.2	<20	1.53	0.40
	142	1.0	13.35	0.55	0.21	43.5	1.2	36	1.46	0.41
	143	1.0	14.02	1.13	0.24	44.8	0.5	41	1.52	0.34
	144	1.0	14.20	0.83	0.25	46.6	0.3	41	1.43	0.42
	145	1.0	13.57	0.81	0.26	45.1	0.2	40	1.32	0.46
	146	1.0	11.52	0.41	0.16	37.5	3.2	38	1.67	0.37
	147	1.0	1.42	0.12	0.03	11.3	14.7	<20	0.19	0.06
	148	1.0	0.49	0.02	0.01	6.8	15.3	<20	0.06	0.02
	149	1.0	0.25	0.01	0.01	6.5	15.9	23	0.02	0.01
	150	1.0	1.33	0.15	0.02	11.1	14.1	<20	0.30	0.02
	151	1.0	11.11	0.61	0.23	39.5	2.7	35	2.03	0.42
	152	1.0	2.27	0.24	0.05	14.5	13.4	<20	0.36	0.06
	153	1.0	7.78	0.49	0.13	30.8	5.6	63	1.48	0.31
	154	1.0	12.77	0.83	0.22	42.6	1.1	30	1.72	0.52
	155	1.0	5.04	0.47	0.08	22.2	10.2	26	0.65	0.30
	156	1.0	1.15	0.04	0.02	9.2	16.2	104	0.17	0.05
	157	1.0	0.52	0.01	0.01	7.0	18.2	269	0.07	0.02
	158	1.0	0.29	0.01	0.01	6.0	18.1	119	0.03	0.01
	159	1.0	0.26	0.01	0.01	6.3	18.5	93	0.03	0.01
	160	1.0	0.24	0.01	0.01	6.0	19.4	110	0.02	0.01
	161	1.0	0.24	0.00	0.01	5.6	19.5	117	0.02	0.00

ABOUT THE KAMBALDA NICKEL PROJECT ("KNP")

Lunnon Metals currently holds 100% of the mineral rights at the Foster and Jan elements of the KNP, subject to certain rights retained by St Ives*. Full details of the Company's IPO and the transactions involved are in the Prospectus submitted to the ASX dated 22 April 2021 and lodged with the ASX on 11 June 2021.

KNP, shown in its regional location in Figure 5, inclusive of the acquisition of rights as detailed in the announcement dated 12 April 2022, is approximately 47km² in size comprising two parcels of 19 (Foster and Jan) and 20 (Silver Lake and Fisher) contiguous granted mining leases situated within the Kambalda Nickel District which extends for more than 70 kilometres south from the township of Kambalda ("Tenements").

This world-renowned nickel district has produced in excess of 1.4 million tonnes of nickel metal since its discovery in 1966 by WMC Resources Ltd ("WMC"). In addition, close to 15Moz of gold in total has been mined with WMC accounting for 5.9Moz and over 8.3Moz produced by Gold Fields Ltd since the purchase of the operation in December 2001 from WMC, making the Kambalda/St Ives district a globally significant gold camp in its own right.



**St Ives retains rights to explore for and mine gold in the "Excluded Areas" on the Tenements at the Foster and Jan elements of the expanded KNP, as defined in the subsisting agreements between Lunnon Metals and St Ives. This right extends to gold mineralisation which extends from the Excluded Area to other parts of the Tenements with select restrictions which serve to prevent interference with, or intrusion on, Lunnon Metals' existing or planned activities and those parts of the Tenements containing the historical nickel mines. St Ives has select rights to gold in the remaining areas of the Tenements in certain limited circumstances as described in detail in the Company's Solicitor Report attached to the Prospectus submitted to the ASX dated 22 April 2021 and lodged with the ASX on 11 June 2021.*

Figure 5: Regional Location of the Kambalda Nickel Project and other nearby nickel deposits.

COMPETENT PERSON'S STATEMENT & COMPLIANCE

The information in this announcement that relates to nickel geology, nickel Mineral Resources and Exploration Results, is based on, and fairly represents, information and supporting documentation prepared by Mr. Aaron Wehrle, who is a Member of the Australasian Institute of Mining and Metallurgy (AusIMM). Mr. Wehrle is a full-time employee of Lunnon Metals Ltd, a shareholder and holder of employee options; he has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity that he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr. Wehrle consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

MINERAL RESOURCES

The detailed breakdown of the Company's Mineral Resources as at 14 June 2022 is as follows:

KNP	Cut-off (Ni %)	Indicated			Inferred			Total		
		Tonnes	Ni (%)	Ni Tonnes	Tonnes	Ni (%)	Ni Tonnes	Tonnes	Ni (%)	Ni Tonnes
85H	1.0	387,000	3.3	12,800	300,000	1.3	3,800	687,000	2.4	16,600
South	1.0	223,000	4.7	10,500	116,000	4.8	5,500	340,000	4.7	16,000
Warren	1.0	136,000	2.7	3,700	75,000	3.7	2,700	211,000	3.1	6,400
N75C	1.0	270,700	2.6	6,900	142,000	1.9	2,600	412,700	2.3	9,500
Baker	1.0	295,000	2.8	8,100	273,000	2.8	7,700	568,000	2.8	15,800
Total		1,311,700	3.2	42,000	906,000	2.5	22,300	2,218,700	2.9	64,300

Note: Figures have been rounded and hence may not add up exactly to the given totals.

DISCLAIMER

References in this announcement may have been made to certain previous ASX announcements, which in turn may have included Exploration Results, Exploration Targets and Mineral Resources. For full details, please refer to the said announcement on the said date. The Company is not aware of any new information or data that materially affects this information. Other than as specified in this announcement and mentioned announcements, the Company confirms it is not aware of any new information or data that materially affects the information included in the original market announcement(s), and in the case of estimates of Mineral Resources that all material assumptions and technical parameters underpinning the estimates in the relevant announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original announcement.

JORC TABLE 1

SECTION 1 BAKER SAMPLING TECHNIQUES AND DATA

Criteria	JORC Code explanation	Commentary
Sampling techniques	<i>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.</i>	<ul style="list-style-type: none"> All drilling and sampling were undertaken in an industry standard manner both historically by WMC Resources Ltd (WMC) and by Lunnon Metals Limited (Lunnon) since June 2021. Prior to the June 2022 MRE, three diamond drill holes (DD) and 36 Reverse Circulation (RC) holes were completed by Blue Spec Drilling Pty Ltd (Blue Spec) on behalf of Lunnon at the Baker prospect following protocols and QAQC procedures aligned with industry best practice. RC and DD drilling is ongoing and being reported as results are returned and validated.
	<i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i>	
	<i>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.</i>	
Drilling techniques	<i>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.).</i>	<u>RC Lunnon</u> <ul style="list-style-type: none"> RC samples were collected directly into calico sample bags on a 1.0m basis from a cone splitter mounted on the drill rig cyclone. 1.0m sample mass typically averages 3.0kg splits. Duplicate samples were also collected directly into calico sample bags from the drill rig cone splitter, at a rate of 1 in every 25 samples and more frequently in the expected mineralised zones. Sub-sampling techniques and sample preparation are described further below in the relevant section. Sample sizes are considered appropriate for the material sampled. The samples are considered representative and appropriate for this type of drilling. RC samples are appropriate for use in a resource estimate.
Drill sample recovery	<i>Method of recording and assessing core and chip sample recoveries and results assessed.</i>	<u>RC Lunnon</u> <ul style="list-style-type: none"> Every RC sample is assessed and recorded for recovery and moisture by Lunnon field staff in real time during the drilling process. Samples are monitored for possible contamination during the drilling process by Lunnon geologists. No sample bias is observed. There is no relationship between recovery and nickel grade nor bias related to fine or coarse sample material.
	<i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i>	
	<i>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.</i>	

Criteria	JORC Code explanation	Commentary
Logging	<i>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.</i>	<u>Lunnon RC</u> <ul style="list-style-type: none"> Geology logging is undertaken for the entire hole recording lithology, oxidation state, mineralisation, alteration, structural fabrics, and veining. Geological logging is completed in sufficient detail to support future Mineral Resource estimation, mining and metallurgical studies. General logging data captured are qualitative (descriptions of the various geological features and units) and quantitative (numbers representing vein and sulphide percentages, magnetic susceptibility and conductivity). RC chips are photographed in chip trays in both dry and wet form. <u>Optical Televiwer</u> <ul style="list-style-type: none"> The Company retained ABIM Solutions (Kalgoorlie) to use the latest generation QL40 OBI Optical Televiwer and a customized logging vehicle, to conduct Optical Televiwer wireline survey in the RC hole reported. The QL40 OBI Optical Televiwer generates an oriented 360 degree image of the borehole wall by way of a CCD camera recording the imaged reflected from a prism.
	<i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.</i>	
	<i>The total length and percentage of the relevant intersections logged.</i>	
Sub-sampling techniques and sample preparation	<i>If core, whether cut or sawn and whether quarter, half or all core taken.</i>	<u>Lunnon RC</u> <ul style="list-style-type: none"> Dry RC samples were collected directly into calico sample bags on a 1.0m basis from a cone splitter mounted on the drill rig cyclone. 1.0m sample mass typically averages 3.0kg splits. Industry prepared certified reference material (CRM), or standard samples, of various grades appropriate to the mineralisation expected are inserted into the sample batches, approximately every 50 samples and more frequently in the expected mineralised zones. Lunnon prepared blank samples are inserted, approximately every 50 samples and more frequently in the expected mineralised zones. Blank samples are prepared from barren reject RC chips as verified by laboratory analysis and geological logging. Duplicate samples were also collected from the drill rig cone splitter, at a rate of 1 in every 25 samples and more frequently in the expected mineralised zones. After receipt of the samples by the independent laboratory the samples are dried and pulverised with >85% pulverised to 75micon or better. For sample weights > 3kg the sample is dried, split and pulverised up to 3kg. Specific Gravity - density measurements are taken for each mineralised sample when DD drill holes are available. Sample sizes for RC are considered appropriate for the style of mineralisation (potentially nickeliferous massive, matrix and disseminated sulphides, hosted in komatiite and basalt).
	<i>If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.</i>	
	<i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i>	
	<i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i>	
	<i>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.</i>	
	<i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i>	
Quality of assay data and laboratory tests	<i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i>	<ul style="list-style-type: none"> Samples were submitted to Intertek Genalysis in Kalgoorlie for sample preparation i.e. drying, crushing where necessary, and pulverising. Pulverised samples were then transported to Intertek Genalysis in Perth for analysis. Samples were analysed for a multi-element suite including, as a minimum, Ni, Cu, Co, Cr, As, Fe, Mg, Pb, S, Ti, Zn. Analytical techniques used a four-acid digest (with ICP-OES or ICP-MS finish) of hydrofluoric, nitric, perchloric and hydrochloric acids, suitable for near total dissolution of almost all mineral species including silica-
	<i>For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times,</i>	

Criteria	JORC Code explanation	Commentary
	<i>calibrations factors applied and their derivation, etc.</i> <i>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.</i>	<p>based samples.</p> <ul style="list-style-type: none"> Within the nickel mineralised zones, the platinum group elements (Pd, Pt, Au) were also analysed using a 50g charge lead collection fire assay method with ICP-MS finish. These techniques are considered quantitative in nature. As discussed previously, CRM standard, and blank samples are inserted by Lunnon into sample batches, and the laboratory also carries out internal standards and check assays in individual batches. The resultant Lunnon and laboratory QAQC data is reviewed upon receipt to determine that the accuracy and precision of the data has been identified as acceptable prior to being cleared for upload to the database.
Verification of sampling and assaying	<i>The verification of significant intersections by either independent or alternative company personnel.</i> <i>The use of twinned holes.</i> <i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i> <i>Discuss any adjustment to assay data.</i>	<ul style="list-style-type: none"> This significant intersection was re-assayed to confirm the nickel grades received. Whilst no twin hole was completed, the Company retained ABIM Solutions (Kalgoorlie) to use the latest generation QL40 OBI Optical Televiwer and a customized logging vehicle, to conduct Optical Televiwer wireline survey in the RC hole reported. The QL40 OBI Optical Televiwer generates an oriented 360 degree image of the borehole wall by way of a CCD camera recording the imaged reflected from a prism. This survey supported the extents of the sulphide mineralisation, the down hole depths of key contacts and enabled the reconciliation of the Ni assay results received visually with the apparent massive and semi-massive sulphide mineralisation. Prior to drilling, all planned collar data is captured in a drillhole collar register and updated as drilling progresses and is completed. This collar file is sent to Maxwell Geoservices Pty Ltd (MaxGeo) for upload into the database (Datashed5). Logging and sample intervals are captured in digital QAQC'd spreadsheets via "tough" books (rugged tablet, field-based laptops). After internal sign-off, these digital sampling and logging registers are saved by geologists in the designated database upload folder on a cloud-based server. After further data validation by the database administrator, the items in the upload folder are forwarded on to MaxGeo to import directly into the Datashed database. Assays from the laboratory are sent directly to MaxGeo's AAL (automatic assay loader) through which they are then visible in Datashed's QAQC interface, here they are all checked and verified by the Lunnon database administrator before accepting the batches into the database. No adjustments are made to the original assay data.
Location of data points	<i>Accuracy and quality of surveys used to locate drillholes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i> <i>Specification of the grid system used.</i> <i>Quality and adequacy of topographic control.</i>	<ul style="list-style-type: none"> RC hole collar locations are located initially by handheld GPS to an accuracy of +/- 3m. Subsequently, drill hole collar locations are then picked up by a licensed surveyor using DGPS methods following the completion of the drilling. All drill holes were surveyed downhole at 5m intervals using the REFLEX gyro Spirit-IQ (north seeking gyro) or EZ-Gyro systems for both azimuth and dip measurements. Downhole surveys are uploaded by Blue Spec to the IMDEXHUB-IQ, a cloud-based data management programme where surveys are validated and approved by trained Lunnon staff. Approved exports are then sent to MaxGeo to import directly into the Datashed database. The grid projection is GDA94/ MGA Zone 51. Diagrams and location data tables are provided herein and have

Criteria	JORC Code explanation	Commentary
		been provided in the previous reporting of exploration results at Baker where relevant.
Data spacing and distribution	<i>Data spacing for reporting of Exploration Results.</i>	<ul style="list-style-type: none"> The ongoing RC and DD programme at Baker comprises drillhole spacings that are dependent on the target style, orientation and depth and are not necessarily drilled to set patterns or spacing at the exploration stage of the programme. Previous drill spacing varies from 40m x 40m to better than 40m x 20m, again subject to the target style dimensions, orientation and depth and inherent geological variability and complexity. Current drill spacing is stepping in to approximately 20m x 20m to assist possible future mine planning activities and to refine the geological and grade estimation model in areas of high grade and/or complexity. All holes have been geologically logged and provide a strong basis for geological control and continuity of mineralisation. No sample compositing has been applied except at the reporting stage of drill intercepts within a single hole.
	<i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied</i>	
	<i>Whether sample compositing has been applied.</i>	
Orientation of data in relation to geological structure	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i>	<ul style="list-style-type: none"> The preferred orientation of drilling at KNP is designed to intercept the target approximately perpendicular to the strike and dip of the mineralisation where/if known. Subsequent sampling is therefore considered representative of the mineralised zones if/when intersected. The chance of bias introduced by sample orientation relative to structures, mineralised zones or shears at a low angle to the drillhole is possible, however quantified orientation of the intercepted interval allows this possible bias to be assessed. Where drilling intercepts the interpreted mineralisation as planned, bias is considered non-existent to minimal. Lunnon does not consider that any bias was introduced by the orientation of sampling resulting from either RC or DD drilling techniques.
	<i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</i>	
Sample security	<i>The measures taken to ensure sample security.</i>	<ul style="list-style-type: none"> The calico sample bags are collected by Lunnon personnel stationed at the drill rig typically at the end of each day. The calico samples are collected sequentially in groups of five and placed into polyweave bags which are labelled and secured with cable ties. The polyweave bags are in turn placed in bulka bags which are secured on wooden pallets and transported directly via road freight to the laboratory with a corresponding submission form and consignment note. The laboratory checks the samples received against the submission form and notifies the Company of any inconsistencies. Once the laboratory has completed the assaying, the pulp packets, pulp residues and coarse rejects are held in the Laboratory's secure warehouse until collected by the Company or approves them to be discarded.
Audits or reviews	<i>The results of any audits or reviews of sampling techniques and data.</i>	<ul style="list-style-type: none"> No external audits or reviews have been undertaken at this stage of the programme.

SECTION 2 REPORTING OF EXPLORATION RESULTS FOR BAKER

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	<p><i>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.</i></p> <p><i>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.</i></p>	<ul style="list-style-type: none"> The property is located on granted Mining Leases. Although all of the tenements wholly or partially overlap with areas the subject of determined native title rights and interests in the two Ngadjju determinations, the company notes that the original grant of the right to mine pre-dates 23 December 1996 and as such section 26D of the Native Title Act will be applied to exempt any future renewals or term extensions from the right to negotiate in Subdivision P of the Act. The complete area of contiguous tenements on which the Baker prospect is located is collectively referred to as the Kambalda Nickel Project (KNP) area. Gold Fields Ltd's wholly owned subsidiary, St Ives Gold Mining Company Pty Ltd (SIGM) was the registered holder and the beneficial owner of the KNP area until the Lunnon IPO in 2021. Lunnon now holds 100% of the rights and title to the KNP, its assets and leases, subject to certain select reservations and excluded rights retained by SIGM, principally relating to the right to gold in defined areas and the rights to process any future gold ore mined at their nearby Lefroy Gold Plant. The KNP comprises 19 tenements, each approximately 1,500 m by 800 m in area, and three tenements on which infrastructure may be placed in the future. The KNP area tenement numbers are as follows: M15/1546; M15/1548; M15/1549; M15/1550; M15/1551; M15/1553; M15/1556; M15/1557; M15/1559; M15/1568; M15/1570; M15/1571; M15/1572; M15/1573; M15/1575; M15/1576; M15/1577; M15/1590; M15/1592; and additional infrastructure tenements: M15/1668; M15/1669; M15/1670. Baker is hosted on M15/1548. There are no known impediments to potential future development or operations, subject to relevant regulatory approvals, over the leases where significant results have been reported. The tenements are in good standing with the Western Australian Department of Mines, Industry Regulation and Safety.
Exploration done by other parties	<p><i>Acknowledgment and appraisal of exploration by other parties.</i></p>	<ul style="list-style-type: none"> In relation to nickel mineralisation, WMC, now BHP Nickel West Pty Ltd and a wholly owned subsidiary of BHP Ltd, conducted all relevant exploration, resource estimation, development and mining of the mineralisation at Foster and Jan mines from establishment of the mineral licences through to sale of the properties to SIGM in December 2001. SIGM has conducted later gold exploration activities on the KNP area since 2001, however until nickel focused work recommenced under Lunnon management, no meaningful nickel exploration has been conducted since the time of WMC ownership and only one nickel focussed surface diamond core hole (with two wedge holes), was completed in total since WMC ownership and prior to Lunnon's IPO. On the KNP, past total production from underground was: Foster 61,129 nickel tonnes and Jan 30,270 nickel tonnes.
Geology	<p><i>Deposit type, geological setting and style of mineralisation.</i></p>	<ul style="list-style-type: none"> The KNP area is host to both typical 'Kambalda' style, komatiitic hosted, nickel sulphide deposits and Archaean greenstone gold deposits such as routinely discovered and mined in Kambalda/St

Criteria	JORC Code explanation	Commentary
		<p>Ives district.</p> <ul style="list-style-type: none"> The Baker area is host to nickel mineralisation and elements associated with this nickel mineralisation, such as Cu, Co, Pd and Pt.
Drillhole 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 drillholes:</p> <ul style="list-style-type: none"> easting and northing of the drillhole collar elevation or RL (elevation above sea level in metres) of the drillhole collar dip and azimuth of the hole down hole length and interception depth hole length. 	<ul style="list-style-type: none"> Drill hole collar location and directional information has been provided within the body of related previous ASX reports and also within the relevant Additional Details Table in the Annexures of those reports. ECO22RC_048's drill hole collar location and directional information is provided in the Annexures to this report. RC and DD drilling previously reported has included plan and cross sectional orientation maps to aid interpretation.
Data aggregation methods	<p>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.</p>	<ul style="list-style-type: none"> Grades have been reported as intervals recording down-hole length and interpreted true width where this estimation was able to be made. Any grades composited and reported to represent an interpreted mineralised intercept of significance were reported as sample-length weighted averages over that drill intercept. The Company currently considers that grades above 0.5% Ni and/or 1.0% Ni are worthy of consideration for individual reporting in any announcement of Exploration Results in additional details tables provided. Composite nickel grades may be calculated typically to a 0.5% Ni cut-off with intervals greater than 1.0% reported as "including" in any zones of broader lower grade mineralisation. Other composite grades may be reported above differing cut-offs however in such cases the cut off will be specifically stated. The overall "bulked out" reported interval for ECO22RC_048 does contain 2m of internal waste however the resultant composite is still greater than the 1.0% Ni specified cut-off. As per other Kambalda style nickel sulphide deposits the Lunnon composites reported may include samples of very high nickel grades down to lower grades approaching the 0.5% Ni or 1.0% Ni cut-off as relevant. This is the case with regard to ECO22RC_048. No top-cuts have been applied to reporting of drill assay results. No metal equivalent values have been reported. Other elements of relevance to the reported nickel mineralisation, such as Cu, Co, Fe, Mg, Pd and Pt and the like, have been reported where the nickel grade is considered significant, if they have been assayed for.
Relationship between mineralisation widths and intercept lengths	<p>If the geometry of the mineralisation with respect to the drillhole 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 (e.g. 'down hole length, true width not known').</p>	<ul style="list-style-type: none"> In regard nickel exploration, the general strike and dip of the Lunnon Basalt footwall contact and by extension the hanging wall related nickel mineralised surfaces at Baker are considered to be well defined by past drilling which generally allows for true width calculations to be made regardless of the density or angle of drilling. For nickel exploration at Baker, given its shallow depth, drillhole design has generally allowed drill holes to intersect target surfaces at approximately perpendicular to the strike of mineralisation. Previously reported intersections have included approximate true widths, but these may not be true widths, as ongoing interpretation of the geology and mineralisation may result in that drilling not always being exactly perpendicular to the strike/dip of mineralisation once interpreted.

Criteria	JORC Code explanation	Commentary
		<ul style="list-style-type: none"> The above applies to the Baker mineralisation that has been estimated in the MRE.
Diagrams	<i>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 drillhole collar locations and appropriate sectional views.</i>	<ul style="list-style-type: none"> Plans, long projections and sections, where able to clearly represent the results of drilling, have previously been provided in prior lodged reports. Isometric imagery has also previously been provided when the first-time Baker Shoot MRE was reported (14 June 2022).
Balanced reporting	<i>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.</i>	<ul style="list-style-type: none"> Drill collar locations of WMC Historical and current drilling completed by Lunnon (and used in the Baker MRE reported in June 2022) have been previously lodged on the ASX platform. Drill collar "tadpole" plots have been updated and included in this report.
Other substantive exploration data	<i>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.</i>	<ul style="list-style-type: none"> The KNP has a long history of geological investigation, primarily for nickel, but also gold to a lesser degree. Datasets pertinent to the KNP that represent other meaningful and material information include: <ul style="list-style-type: none"> Geophysics - multiple ground and aerial based surveys of magnetic, gravity, Sub Audio Magnetics, electro magnetics, and down hole transient electromagnetic surveys. Geochemistry - nickel and gold soil geochemistry datasets across the KNP and rock chip sampling in areas of outcrop. Historical production data recording metallurgical performance of Foster mine nickel delivered to the Kambalda Concentrator.
Further work	<i>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).</i>	<ul style="list-style-type: none"> All work programmes at Baker are continuously assessed against and in comparison to ongoing high priority programmes elsewhere at the KNP; presently Foster and Warren for example. Subject to the outcome of ongoing metallurgical and geotechnical studies, the current Mineral Resource Estimation will form the basis of economic studies to investigate the potential to exploit the Baker Shoot in the future. This programme and these reported results represent an in-fill and extensional RC and diamond drilling programmes based on the geological and mineralisation solids from the Baker MRE reported in June 2022. Approximately 8,000m of RC and 3,000m of diamond drilling is underway. The results of this drilling will be reviewed and may lead to an updated MRE in due course. Subject to positive ongoing results and external market and price variables, this current, and the future updated, MRE may form the basis for a development study that may lead to the future declaration of a Probable Ore Reserve from those portions of the Mineral Resource at the Indicated (or higher) classification.