QUARTERLY ACTIVITIES REPORT FOR THE PERIOD ENDED 30 SEPTEMBER 2023

31 October 2023

Highlights

- **~1,463m reverse circulation (RC) drilling program completed at Eastman PGE Project**
- **RC drilling increased the strike length of higher-grade PGE mineralisation at the Brumby Prospect from 180m to 680m**
- **PGE mineralisation at Brumby now extends over the entire 1.1kms of strike length drill tested**
- **Significant new PGE results at Brumby include:**
  - **22m @ 1.67 g/t PdEq**[1] (1.19g/t 3E[2]) from 33m
    - including **7m @ 3.13 g/t PdEq** (2.01g/t 3E) from 45m
  - **17m @ 1.43 g/t PdEq** (1.04g/t 3E) from 35m
    - including **4m @ 2.57 g/t PdEq** (2.01 g/t 3E) from 43m
  - **54m @ 1.02 g/t PdEq** (0.7 g/t 3E) from 96m
    - including **4m @ 2.16 g/t PdEq** (1.69 g/t 3E) from 126m
    - & including **6m @ 2.22 g/t PdEq** (1.69 g/t 3E) from 138m
- **Initial reconnaissance exploration carried out at Minneroo Lithium Project**
- **Satellite interpretation and radiometrics reprocessing undertaken across the Minneroo Project with potential pegmatites identified for field checking**

Peako Limited (ASX: PKO) (**Peako** or **the Company**) is pleased to provide its Quarterly Activities Report for the three months to 30 September 2023.

Commenting on the activities carried out over the period, Peako Executive Director Rae Clark commented:

"Our drilling at Brumby has confirmed PGE mineralisation over the entire 1.1km strike length tested and in particular extends the higher-grade mineralisation along strike from 180m to 680m. Importantly the shallow plunging PGE mineralisation remains open down plunge to the south-west.

We also carried out a reconnaissance visit to our Minneroo Pool Lithium Project to determine access and logistical requirements for validating areas of interest identified via desktop studies including radiometrics reprocessing and satellite imagery."

[1] Palladium Equivalent - refer pages 5-6 for calculation and commentary
[2] 3E = The sum of palladium (Pd) + platinum (Pt) + gold (Au) in g/t

East Kimberley Tenements

Peako's exploration focus is its ground-holding (**Figure 1**) in the East Kimberley region of Western Australia.

The geological diversity within Peako's tenement package has driven the search for a wide range of commodities, with the Koongie Park Formation having demonstrated prospectivity for base (Cu-Pb-Zn) and precious (Ag, Au) metals mineralisation, whilst the Eastman Ultramafic Intrusion has demonstrated prospectivity for additional base (Ni, Cu) and precious metal (Au, PGE and REE) mineralisation.

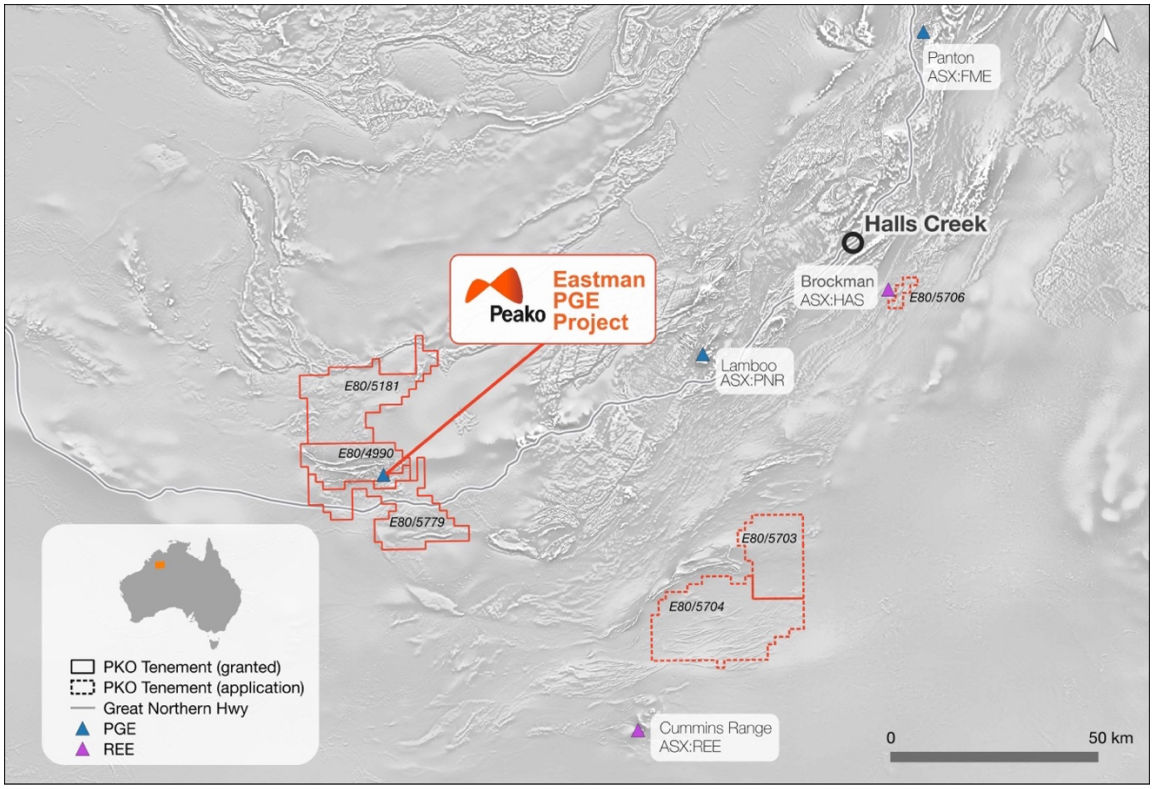

Figure 1. Peako's East Kimberley tenement package

Activities during the September Quarter

Eastman PGE - RC Drilling

Peako completed a 1,462m reverse circulation (RC) drilling program at its Eastman PGE Project during the September Quarter. The drilling was focused on the Brumby Prospect (**Figure 2**) with the aim of extending the strike length of higher-grade PGE mineralisation along with testing the grade continuity and width at the prospect. A total of 10 holes were drilled at Brumby for 1240m, with two additional holes drilled west of the Waterloo Prospect to test undercover for the location and nature of PGE mineralisation within the buried ultramafic host unit.

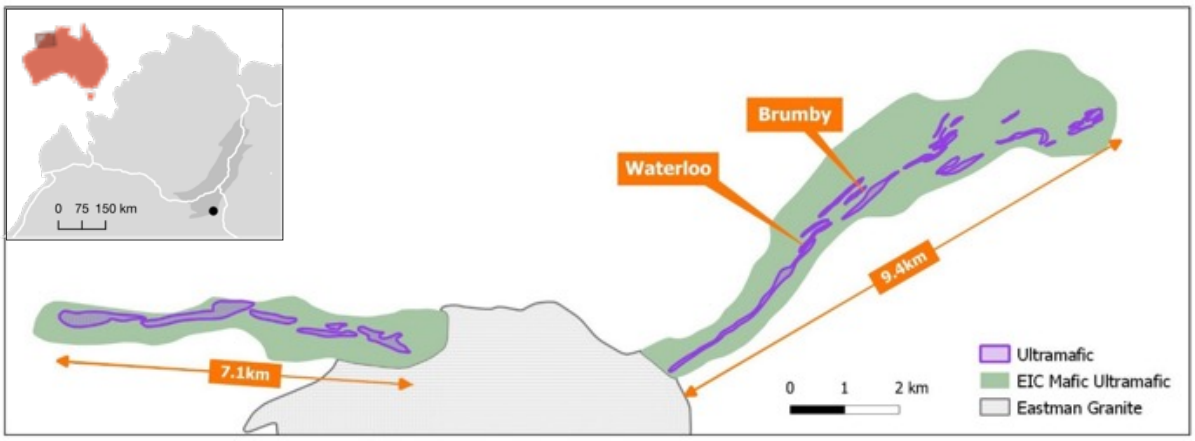

Figure 2. Location of prospects targeted in the 2023 step-out RC drilling program.

Of the 10 holes drilled at the Brumby Prospect, two were drilled to test the parallel ultramafic unit to the north, with the remaining 8 holes drilled at the main Brumby Prospect.

Most drill holes at Brumby returned anomalous PGE results, with these results extending the strike length of known mineralisation from 300m to more than 1.1kms. The drilling has also increased the strike length of higher grade mineralisation from 180m to 680m (see **Figure 3 & 4**).

An interpretation of PGE mineralisation in long-section suggests mineralisation is contained within zones of varying widths and grades. These mineralised zones tend to plunge moderately to the south-west at approximately 25 to 30 degrees with all zones remaining open at depth. Potential exists for the higher-grade PGE mineralisation intercepted in PRC0092 to plunge below PRC0093 (see **Figure 3 & 4)** which can be tested by extending PRC0093.

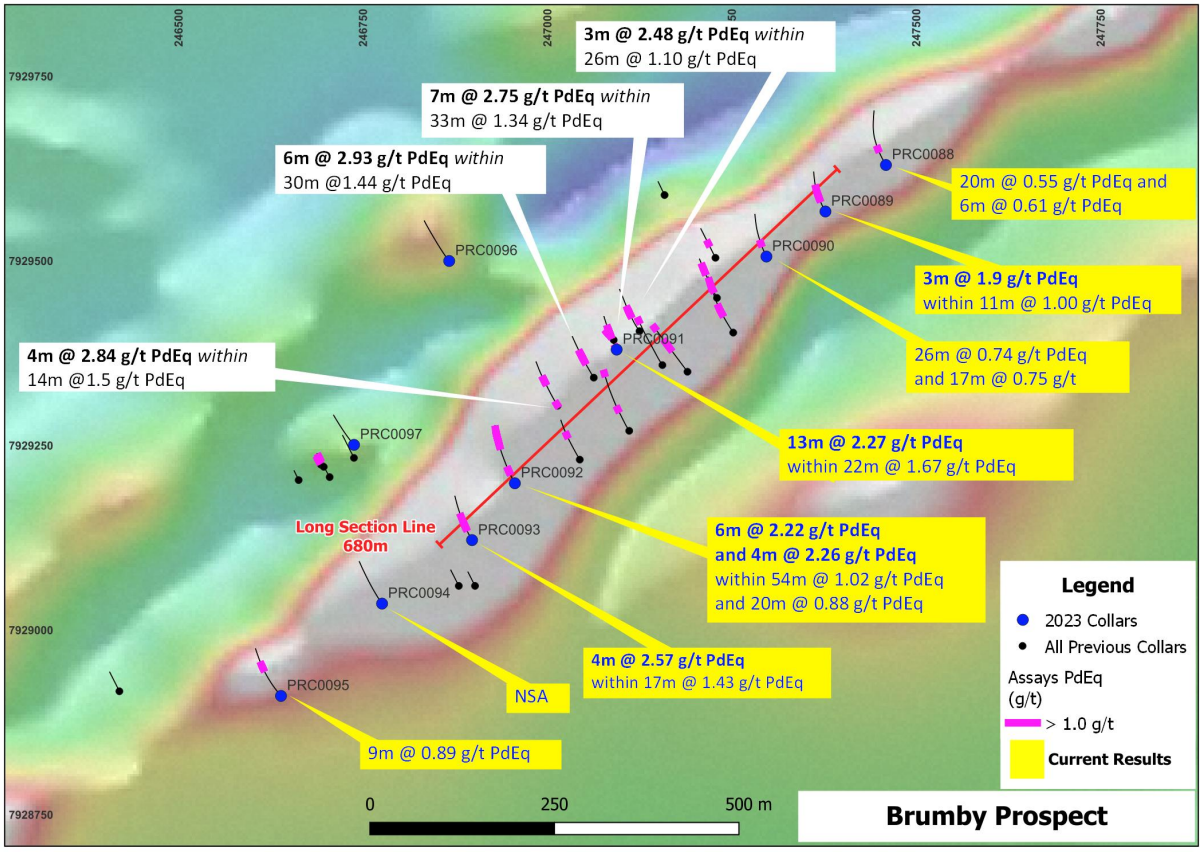

Figure 3. Brumby drilling results, showing higher-grade PGE mineralisation intercepted over the 680m strike.

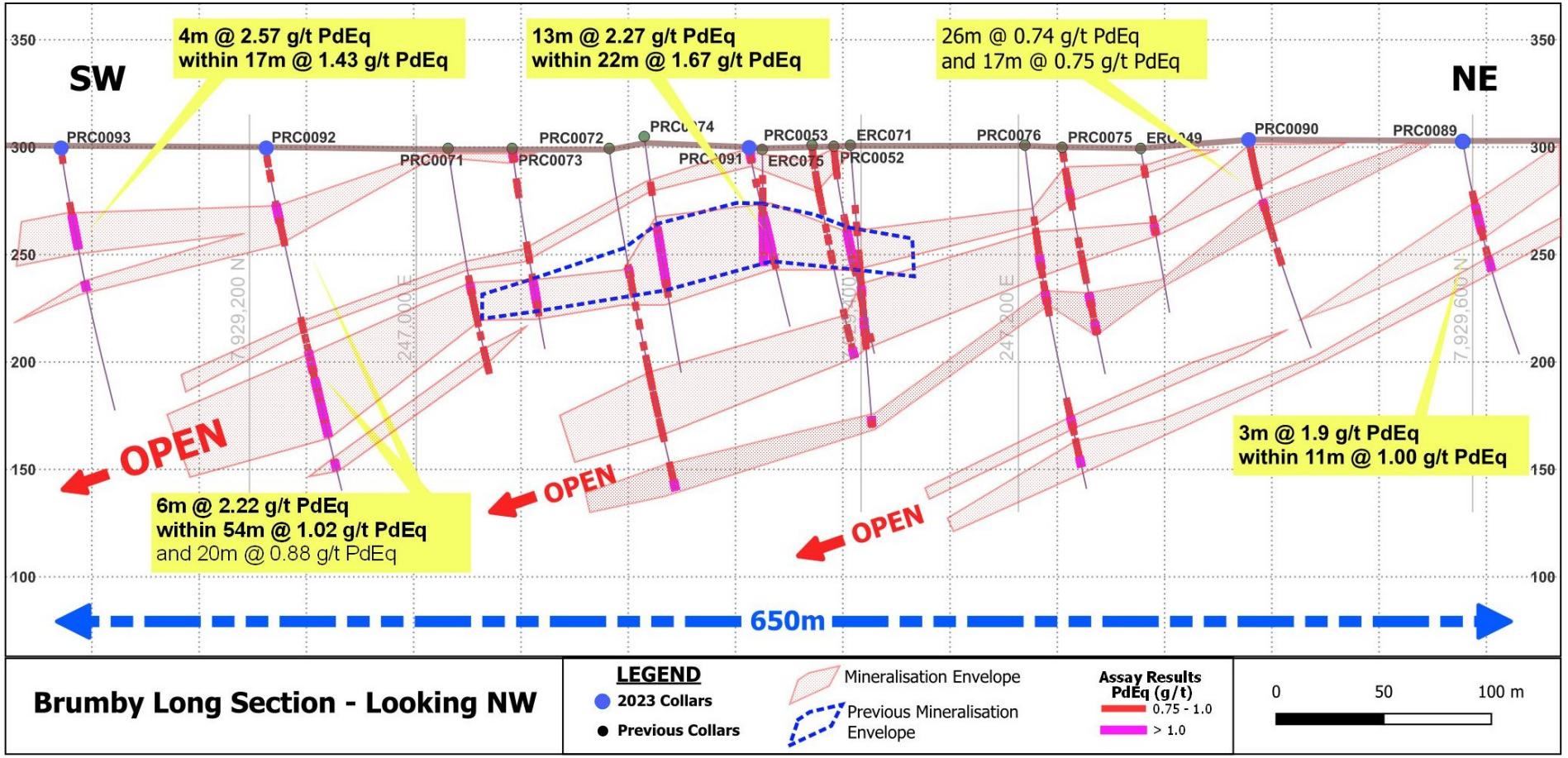

Figure 4. Brumby Long-Section highlighting the latest step-out drilling results and the shallow southwest plunge to PGE mineralisation (Section window, ±120m).

Petrography Study of PGE Mineralisation

Findings were received during the September Quarter from a preliminary petrological and mineral geochemical study aimed at identifying the mineral species hosting PGEs at the Eastman Project. The study was designed to identify minerals that host or are affiliated with the PGEs in order to refine the geological model for the Eastman Intrusion and provide the framework for future metallurgical test work.

The study was completed at the Australian National University (ANU). Ten samples from six prospects across the Eastman PGE Intrusion were analysed using a range of specialised analytical tools including Electron Microscopy, Electron Microprobe, Laser Ablation and 3D X-ray Contrast Tomography (CT Scan).

The ANU Report indicates that the Eastman PGEs are predominately hosted within PGMs (platinum group metals) and importantly, were not found locked up within silicate minerals such as the amphiboles. Metallurgical testwork will still be required to detail any potential extraction flowsheet.

The ANU Report also identified an association between PGEs and the sulphide mineral cobaltite (CoAsS), which suggests that cobalt and arsenic may potentially be used as pathfinder elements in exploration targeting.

Minneroo Pool Lithium Project

The Minneroo Pool Lithium Project is located in E80/5703 over which Peako has an Exploration Licence Application. Peako has identified evidence of potential Lithium-bearing pegmatite systems and large untested alkaline granitoid bodies within the project area having potential for several mineralisation styles including structurally-controlled pegmatite dykes as well as intrusion hosted and intrusion related models.

Historically Li-fertile granites, associated anomalous Nb, Sn, Ta, REE, Pb and Cu mineralisation, have been mapped adjacent to and intruding onto Peako's tenement. There is no record of lithium exploration having previously been undertaken in this area.

Interpretation of satellite imagery and reprocessing of Government open-file radiometrics data has resulted in the identification of numerous interpreted pegmatites and other areas of interest for future field validation (**Figure 5**).

During the September Quarter a reconnaissance visit was made to the Minneroo Pool Project areas to determine access and logistical requirements for validating identified areas of interest. There are limited tracks in the project area and accordingly, helicopter sampling is considered the most efficient means of carrying out future initial sampling and validation activities.

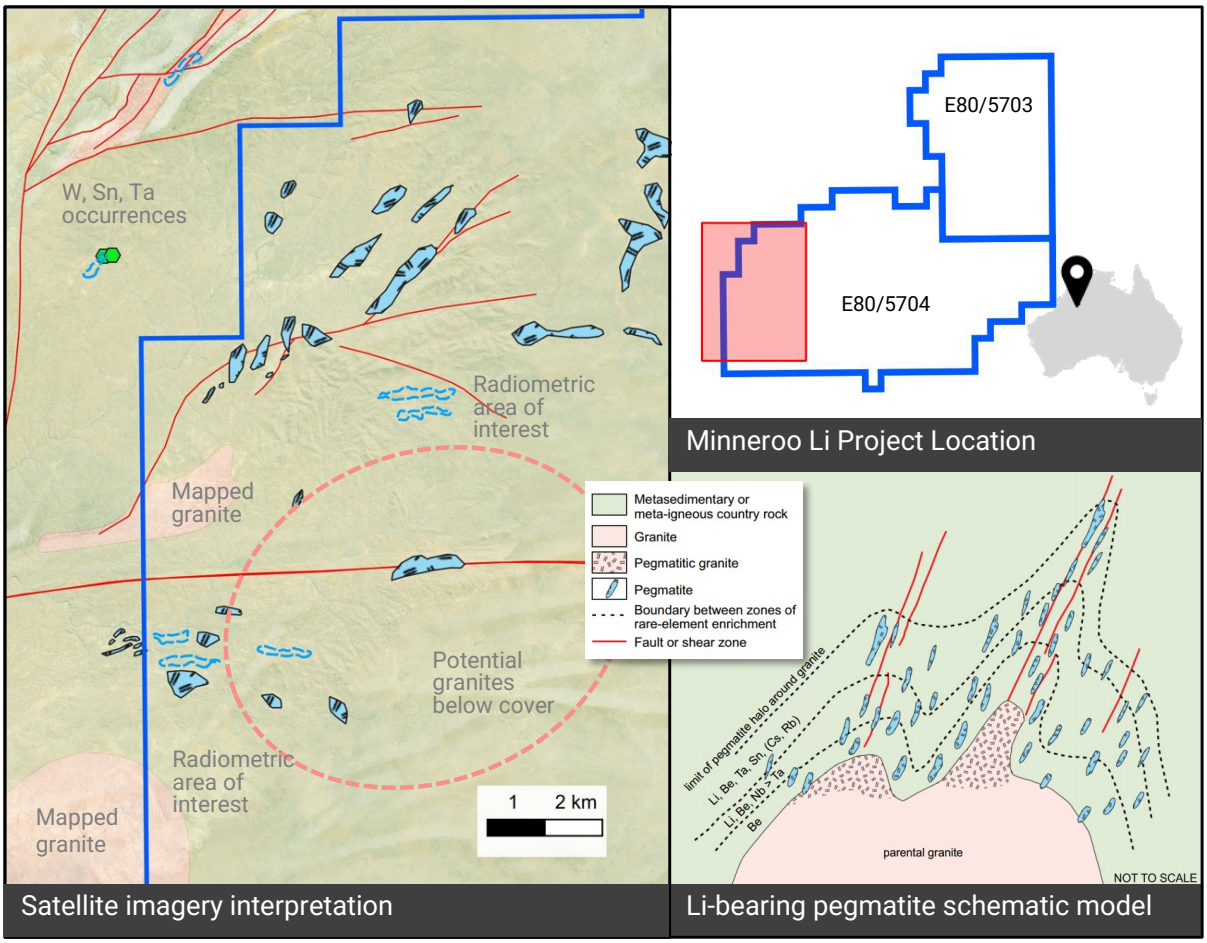

Figure 5. Minneroo Pool Project potential for Lithium-bearing pegmatites

Figure 6. Peako's Exploration Manager, Tony Rudd, visiting the Minneroo Pool Project area.

Corporate

JMEI credits

The Company was notified during the September Quarter that its application for a JMEI credit allocation was successful. The ATO has granted Peako a JMEI credit allocation of up to $1,125,000 in JMEI credits for the 2023/24 income tax year for distribution to Australian resident shareholders who acquire new Peako shares ("Eligible Investors") after 1 July 2023 and prior to 30 June 2024[3].

JMEI tax credits will be distributed to Eligible Investors on a pro-rata basis.

The actual number of JMEI credits to be received by each Eligible Investor for the 2023/24 income year will depend on a number of factors including, but not limited to:

- the actual amount of allowable greenfields exploration expenditure incurred by Peako during the 2023/24 financial year
- the total number of Peako shares issued during the 2023/24 financial year

Each participating shareholder's final JMEI credit entitlement amount will be determined after lodgement of the Company's 2023/24 tax return.

Australian resident shareholders that are issued with JMEI credits will generally be entitled to refundable tax offsets (for individual shareholder or superannuation funds) or franking credits (for companies).

Rights Issue

During the September Quarter the Company announced a pro-rata entitlement offer which was completed following the end of the quarter. A total of $391,591 was raised before costs with a total of 56,353,260 new fully paid Ordinary shares issued and 56,353,260 new options granted[4] and exercisable at $0.020, with an expiry date of 30 November 2026.

The Company's Directors took up entitlements amounting to $286,880, demonstrating their strong commitment to the Company's projects.

This announcement is approved by the Board of Peako Limited

For more information

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[3] ASX Announcement 5 September 2023 JMEI Tax credits for Shareholders participating in Entitlement Offer
[4] ASX Announcement 11 October 2023 – Update to Results of Entitlement Offer

COMPETENT PERSON DECLARATION

The information in this report that relates to Exploration Results is based on information compiled or reviewed by Dr Paul Kitto who is a member of the Australian Institute of Geoscientists. Dr Kitto is Technical Director of and a consultant to Peako Limited and has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Dr Kitto consents to the inclusion in this report of the matters based on information provided by him and in the form and context in which it appears.

REFERENCES

The information in this report that relates to Exploration Results previously reported in ASX announcements are listed below. The Company is not aware of any new information or data that materially affects the information included in each relevant market announcement.

Further details can be found in the following Peako ASX announcements:

25 October 2023	Higher-grade PGE Mineralisation at Brumby extends over 680 metres
20 February 2023	High-Grade PGE Results at Brumby – Table 1 Corrected
28 March 2023	Rhodium and Iridium enhance PGE grade at Eastman Project

Palladium Equivalent (PdEq)

The Company reports individual grades for each of the elements palladium, platinum, gold, nickel, copper and cobalt as well as an aggregate 3E value, being the aggregate of Pd, Pt and Au.

Peako cautions that while many PGE explorers report 3E grades, such grades, being aggregates, do not reflect the varying value contribution of each element. As such, 3E PGE mineralisation with a high proportion of Palladium, such as that reported from the Eastman Project, will have a higher value than the same grade 3E PGE mineralisation calculated from a different project that is comprised largely of Platinum, due to the higher value of Palladium per gram compared to Platinum.

Basis for Palladium Equivalent Calculation

Accordingly, Peako has calculated Palladium Equivalent (PdEq) grades in order to reflect the potential contributions of the elements to contribute to a resource and assist in providing a concise indication of the potential value of mineralisation at Eastman. Palladium Equivalent (PdEq) calculation represents the total metal value for each metal, multiplied by the conversion factor, summed and expressed in Equivalent Palladium (PdEq) grade.

Given the Eastman Project's stage of development, no metallurgical test work has yet been conducted. However, it is the Company's opinion that all elements included in the metal equivalent calculation (palladium, platinum, gold, nickel, copper and cobalt) have a reasonable potential to be recovered and sold. Based on the similar Panton deposit, located approximately 185km to the north-east, the Company has assumed metallurgical recoveries based on the Panton deposit model.

Metal recoveries used in the palladium equivalent calculations are shown below:

- Palladium 80%, Platinum 80%, Gold 70%, Nickel 45%, Copper 67.5% and Cobalt 60%

Metal prices used are also shown below:

- Palladium US$1,700/oz, Platinum US$1,300/oz, Gold US$1,700/oz, Nickel US$18,500/t, Copper US$9,000/t and Cobalt US$60,000/t

Metal equivalents were calculated according to the follow formula:

- PdEq (Palladium Equivalent g/t) = Pd(g/t) +0.76471 x Pt(g/t) +0.875 x Au(g/t) +1.90394 x Ni(%) + 1.38936 x Cu(%) + 8.23 x Co(%)

Peako cautions that while it considers Panton a similar style deposit to Eastman, actual metallurgical recoveries at Eastman may differ from those at Panton. Further, that its opinion that all elements included in the metal equivalent calculation have a reasonable potential of being recovered and sold relies on defining sufficient mineable economic resources.

Eastman PGE Project Overview

Peako Limited (ASX:PKO) is focused on the exploration of its large tenement holding in the East Kimberley region of Western Australia. Peako's flagship Eastman PGE Project incorporates a large, underexplored intrusive complex that Peako considers prospective for a major PGE resource.

Located within the Central Zone of the Halls Creek Orogen, a province with established PGE endowment, the intrusion is a layered mafic to ultramafic intrusive complex and is interpreted to extend along strike for approximately 16.5km.

Anomalous PGE intercepts from wide-spaced drilling indicate an extensive PGE mineralised system. Historical exploration focused on the outcropping ~6.9km length of the eastern zone of the intrusive complex, with a bias to evaluating narrow and discontinuous chromite lenses within the sequence.

Peako has been testing PGE endowment across the intrusion, with a focus on PGE mineralisation within the ultramafic horizons of the intrusion outside of the chromite lenses. Peako's results to date confirm PGE mineralisation is not confined to the chromite lenses and seams but has been intersected throughout the ultramafic units.

Additional Information Required by Listing Rules 5.3.3 and 5.4.3

Tenements held/applied for at the end of the quarter and their location

Tenement	Peako Interest	Tenement Status
Western Australia (East Kimberley Region)		
E80/4990	100%	Granted
E80/5182	100%	Granted
E80/5703	100%	Application
E80/5704	100%	Application
E80/5706	100%	Application
E80/5779	100%	Granted

Tenements acquired during the quarter and their location
Nil.

Tenements disposed of during the quarter and their location
Nil.

Beneficial percentage interests held in farm-in or farm-out agreements at the end of the Quarter:

Nil.

Payments to related parties during the Quarter included in Appendix 5B – Quarterly Cash Flow Report

Payments were made to Directors and their associates during the Quarter totalling approximately $64,000. Payments were for contracted services including geological services, consulting fees, office costs and directors fees.