Sultan Resources Ltd
ACN: 623652 522

CORPORATE DETAILS

ASX Code: SLZ

DIRECTORS

STEVEN GROVES
MANAGING DIRECTOR

JEREMY KING
CHAIRMAN

DAVID LEES
NON-EXECUTIVE DIRECTOR

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22nd June 2022

EXPLORATION UPDATE

Lake Grace Nickel Project - WA

- **Program of Works for follow up drilling of positive aircore results submitted**
- **A series of deep RC holes has been designed to further understand the layered ultramafic stratigraphy and to test for the presence of sulphide minerals**
- **Initial results for the first phase of aircore drilling of interpreted Ni-prospective ultramafic occurrences at Kulin Hill showed:**
    - **Up to 0.86% Ni, 575ppm Co, 1.98% Cr**
    - **Over 2.2km strike of ultramafic lithology confirmed at first target zone**

Corporate

- **Managing Director, Steve Groves, moves to a Non-Executive Director role**
- **Ms Hannah Cabatit appointed as Company Secretary**

Sultan Resources Limited (ASX: SLZ) (**Sultan** or **Company**) is pleased to announce the submission of a Program of Works (PoW) for a series of deep RC holes to follow up the positive aircore results generated from the Company's Lake Grace Ni project in May (ASX Announcement 04/05/2022). Approval for the PoW is expected to take approximately 6 weeks.

During late December 2021 and early January 2022, Sultan completed an aircore drilling program across three areas at the Company's Lake Grace Nickel Project (ASX Announcements 16/12/2021, 12/01/2022, 04/05/2022). The aircore program was designed to confirm the presence of ultramafic rocks interpreted from the magnetics and help determine the prospectivity of the region for hosting Ni-sulphide deposits.

Three of the four holes drilled at Kulin Hill showed strongly elevated responses in elements such as Ni, Cr, Mg, Fe, S and Co that are indicative of weathered ultramafic lithology (ASX Announcement 04/05/2022). All three holes showed these strong responses throughout their entire length, indicating that the sequence is quite thick and warrants deeper testing of the fresh ultramafic sequence. Microscopic examination of the holes showed the sequence to be weathered throughout and consequently did not enable the visual identification of sulphide minerals. However, high levels of coincident MgO, sulphur and nickel in intersections in the lower portions of holes SLGCA03 and SLGCA04 provide encouragement that sparsely distributed disseminated Ni-sulphides could be present.

Follow up drilling in this area is required to fully understand the layered stratigraphic sequence and to penetrate fresh rock to test for the presence of sulphide minerals.

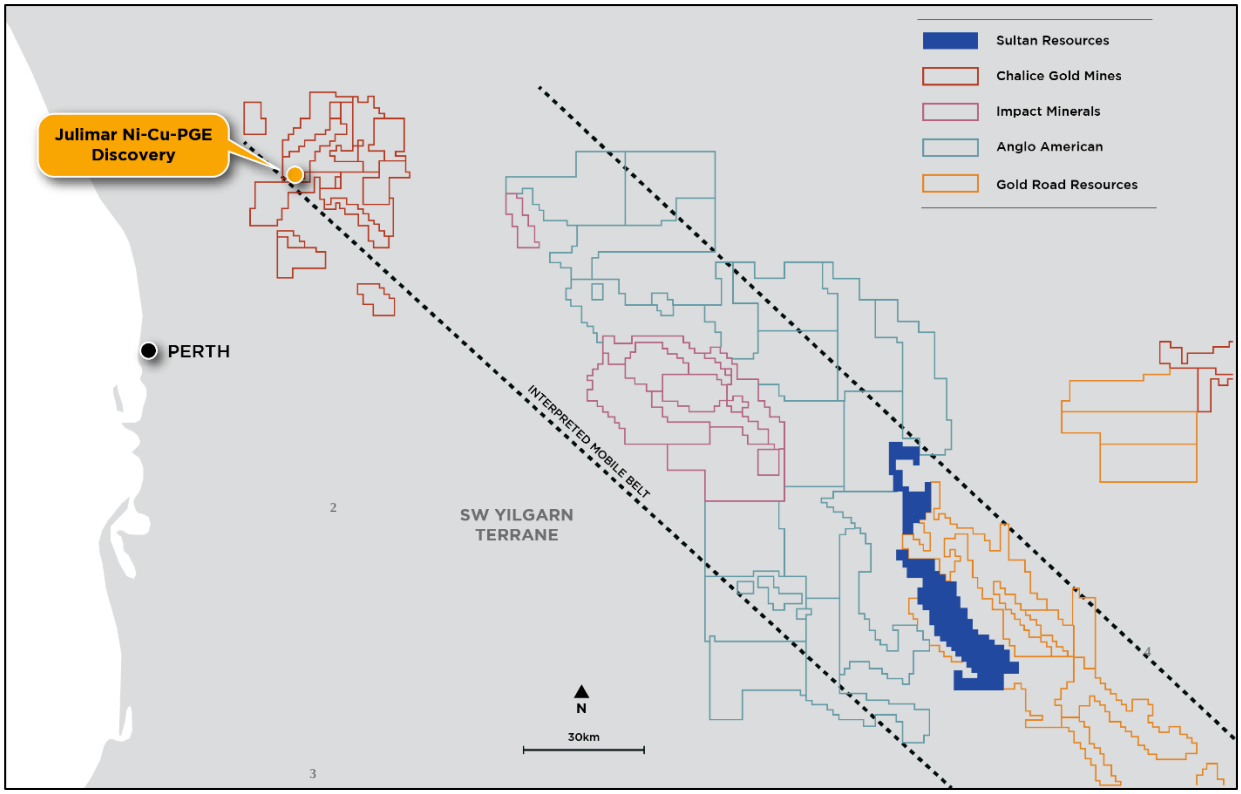

Figure 1: Sultan's Lake Grace portfolio of tenements in relation to the tenement [1]positions of Anglo American (blue outline), Impact Minerals (maroon outline) and the Gold Road Resources/Cygnus Gold JV (orange outline). All of Sultan's tenure lies within an interpreted mobile zone prospective for Ni-Cu mineralisation as postulated by Impact Minerals Ltd (see Impact Minerals announcement dated 10/06/2020)

Proposed Follow-up Work Program

The successful confirmation of over two kilometres of strike of a thick mafic-ultramafic sequence containing Ni-bearing sulphides[1] at Kulin Hill has elevated the prospect to be Sultan's priority target in the 2022 field season.

Sultan has submitted a Program of Works to allow for follow up drilling from the aircore area where landowner access agreements are already in place. This work will include deeper RC drill holes to at least 400m depth followed by down-hole EM to test for any conductors at depth if warranted. Two other areas to the north of the aircore area have been added to the PoW to allow for a variety of potential hole locations (Figure 2).

The program is envisaged to consist of 3 to 4 x ~400m deep holes. Sultan have secured access to a powerful Topdrill Reverse Circulation drill rig which is being used exclusively by the Company's geological contractors, Zephyr Professional, for the 2022 field season. Zephyr has secured the rig for use across their various clients' projects and can schedule the rig for the proposed program once the PoW is approved.

Negotiations to access the full length and breadth of the body, some of which extends beneath a salt lake, are ongoing and once granted, will allow the Company to assess the full potential of the target. A work program consisting initially of electromagnetic techniques such as Fixed Loop EM or magnetotellurics (MT) will be undertaken to detect any areas of strong conductance that might mark the location of sulphide accumulation. Any conductors identified will be ranked and the priority targets drilled with either Reverse Circulation and/or diamond methods.

The remaining assay results from aircore Target Areas 2 and 3 (Figures 4 & 5) are awaited.

Selected prospective intervals from Kulin Hill have been re-submitted for PGE analysis and these results are expected within the next month.

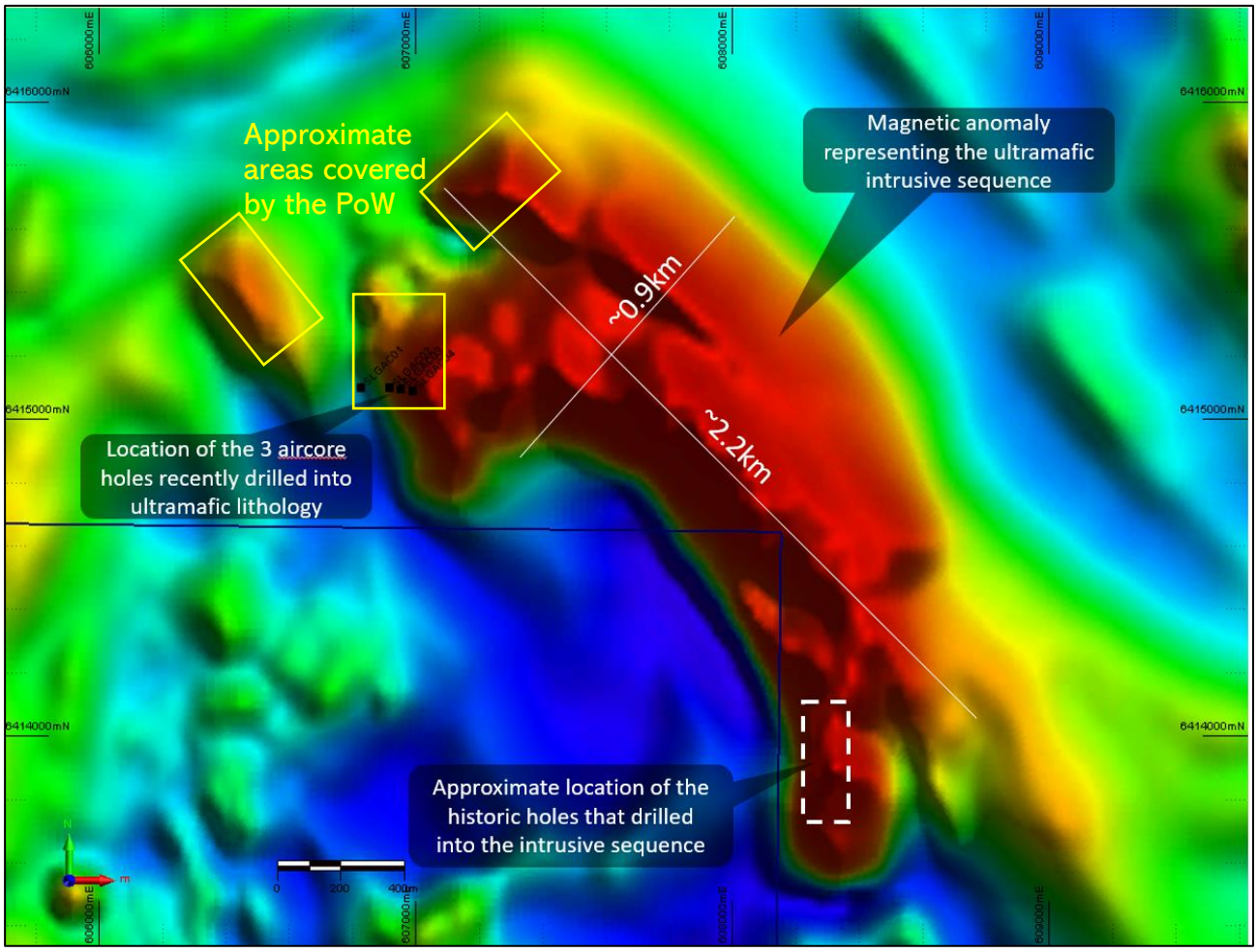

Figure 2: Plan view of the strong magnetic anomaly representing the ultramafic sequence. Sultan's recent aircore holes were completed on the northwestern edge of the body, some 2 km away from historic drilling to the southeast. Approximate areas covered by the recently submitted PoW are indicated by yellow boxes.

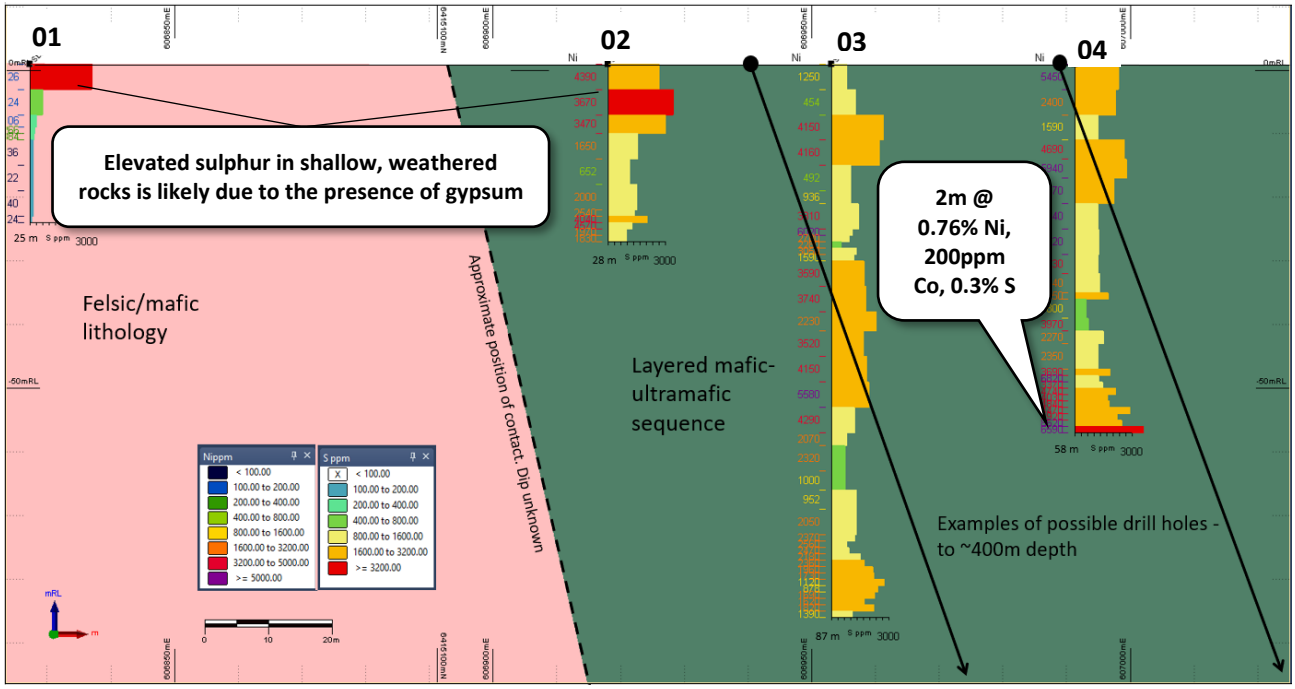

Figure 3: Cross section, looking north, of the three aircore holes drilled into the ultramafic sequence. The drill traces show Ni ppm values down the left side and S% on the right. Of particular note is the increase in sulphur towards the bottom of holes 03 and 04 in less weathered material and coincident with elevated Ni levels. Black arrows show possible positions of follow up deep drill holes.

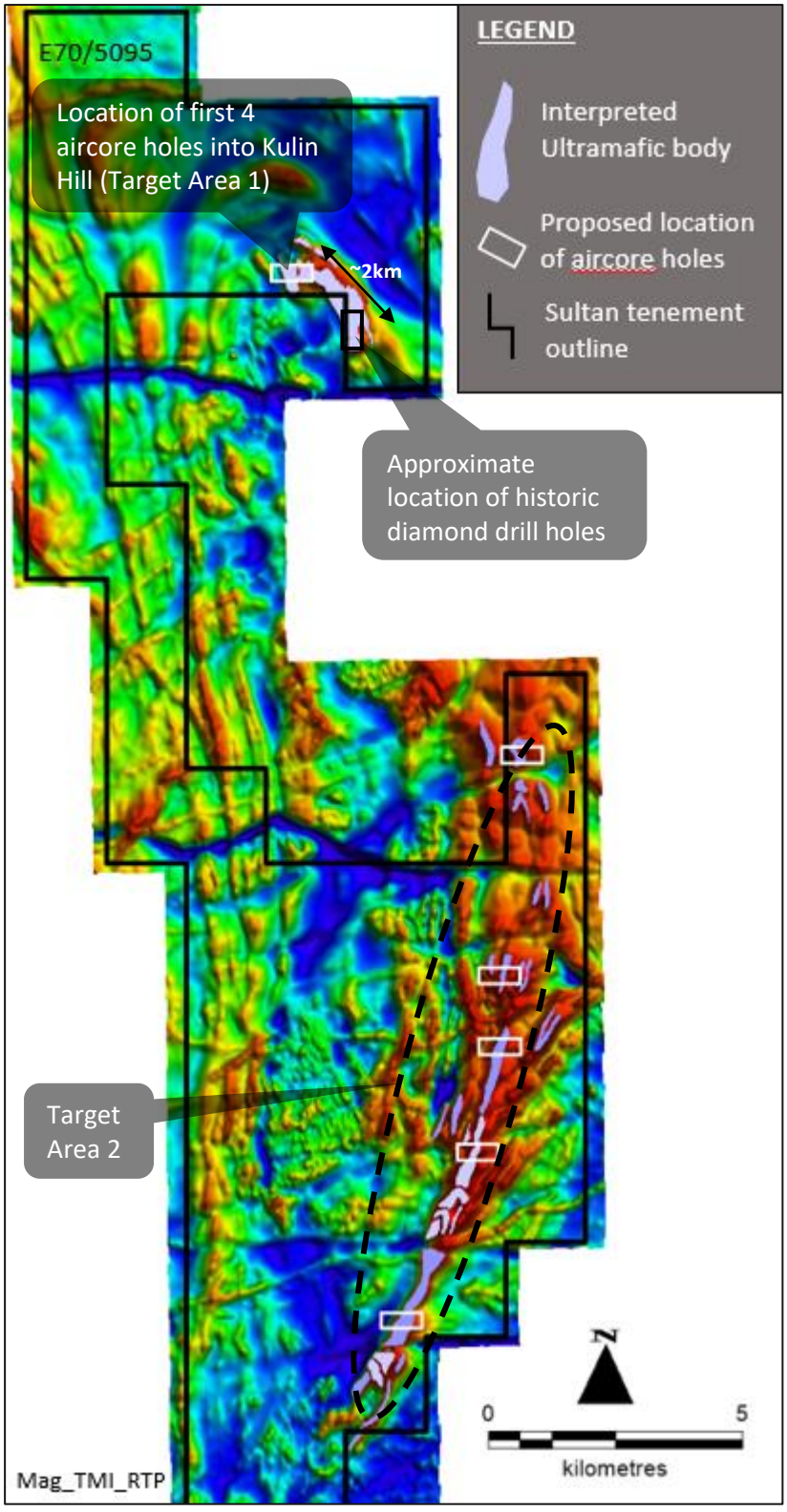

Figure 4: Location of the interpreted ultramafic bodies (purple) and positions of completed aircore traverses at Kulin Hill (Target Area 1) and Target Area 2 over the Total Magnetic Intensity reduced to pole image over E70/5095.

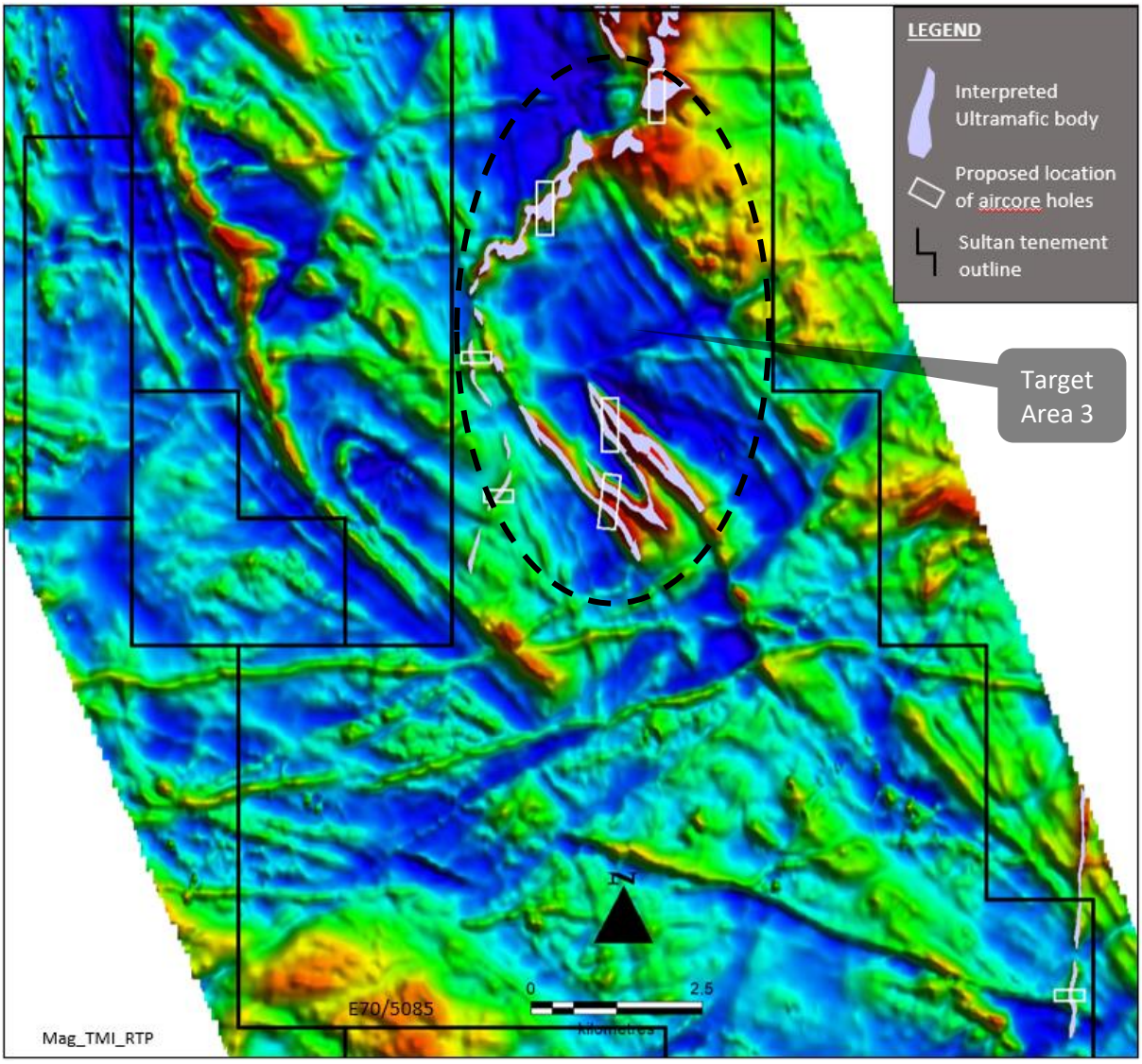

Figure 5: Location of the interpreted ultramafic bodies (purple) and positions of completed aircore traverses at Target Area 3 over the Total Magnetic Intensity reduced to pole image over E70/5085.

Corporate

Due to competing obligations from other corporate commitments, Managing Director Steve Groves will transition to the role of Non-Executive Director from 20 June 2022. Steve will remain as a non-executive Director to ensure his in-depth project and corporate knowledge is available to the Company for the search and smooth onboarding of a replacement executive director. Sultan would like to thank Steve for his time as Managing Director since the Company's successful IPO and listing in August 2018.

The Company is pleased to announce the appointment of Hannah Cabatit as Company Secretary.

Hannah is an employee of Mirador Corporate where she specializes in corporate advisory, company secretarial and statutory reporting services. She is Certified Practicing Accountant with significant experience in senior accounting roles, company secretarial and compliance services for ASX listed companies. Mauro Piccini resigns as Company Secretary and the Board thanks him for his significant contribution as Company Secretary and wishes him well for the future.

This announcement is authorised by the Board of Sultan Resources Ltd

For further information contact:
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Competent Persons Statement

The information in this report that relates to Exploration Targets and Exploration Results is based on historical and recent exploration information compiled by Mr Steven Groves, who is a Competent Person and a Member of the Australian Institute of Geoscientists and is also a Non-Executive Director of the Company. Mr Groves has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for the reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Groves consents to the inclusion in the report of the matters based on his information in the form and context in which it appears. The Competent Person is not aware of any new information or data that materially affects the information contained in the above sources or the data contained in this announcement.

About Sultan Resources

Sultan Resources is an Australian focused exploration company with a portfolio of quality assets in emerging discovery terranes currently targeted by successful explorers such as Newcrest Mining, Alkane Resources, Gold Road Resources, and Sandfire Resources. Sultan's tenement portfolio includes prospective targets for porphyry Au-Cu, structurally-hosted gold, Nickel, Cobalt and base metals and include tenements located in the highly prospective east Lachlan Fold Belt of Central NSW as well as projects located within the southern terrane region of the Yilgarn Craton in south and south eastern Western Australia. Sultan's board and management strategy is for a methodical approach to exploration across the prospects in order to discover gold and base metals that may be delineated via modern exploration techniques and exploited for the benefit of the company and its shareholders.

References – Lake Grace Nickel

1. Summers, K.W.A., 1969, Final Report, Corrigin Project, WA. Electrolytic Zinc Company of Australasia Limited, WAMEX Report A7659
2. Muskett, R., 2001, Annual and Final Report E70/2029, My Casino Ltd, WAMEX Report A63529