ANNOUNCEMENT
20 OCTOBER 2023

SYBELLA PROJECT UPDATE

Percussion chip samples from our Sybella rare earth oxide (REO) discovery have been lodged with rare earth processing experts ANSTO Minerals and the Queensland-based Core Group and metallurgical test work is underway.

Representative composite samples of the broken and weakly oxidised granite and the underlying fresh granite have been selected for metallurgical analyses (Figure 1). Four separate sites were sampled across the granite to assess for any broad spatial variation in results (Figures 2).

Preparations are underway for two large diameter diamond core holes at representative sites along the Boundary Fence traverse to provide whole of rock core for a variety of size fraction leach, flotation and grinding tests over the ensuing wet season (Figure 2).

Red Metal announced the exciting new Sybella rare earth oxide (REO) discovery just 20 kilometres southwest of Mount Isa in Northwest Queensland in August 2023. Red Metal believe this REO discovery is a new deposit style and potentially a "world first".

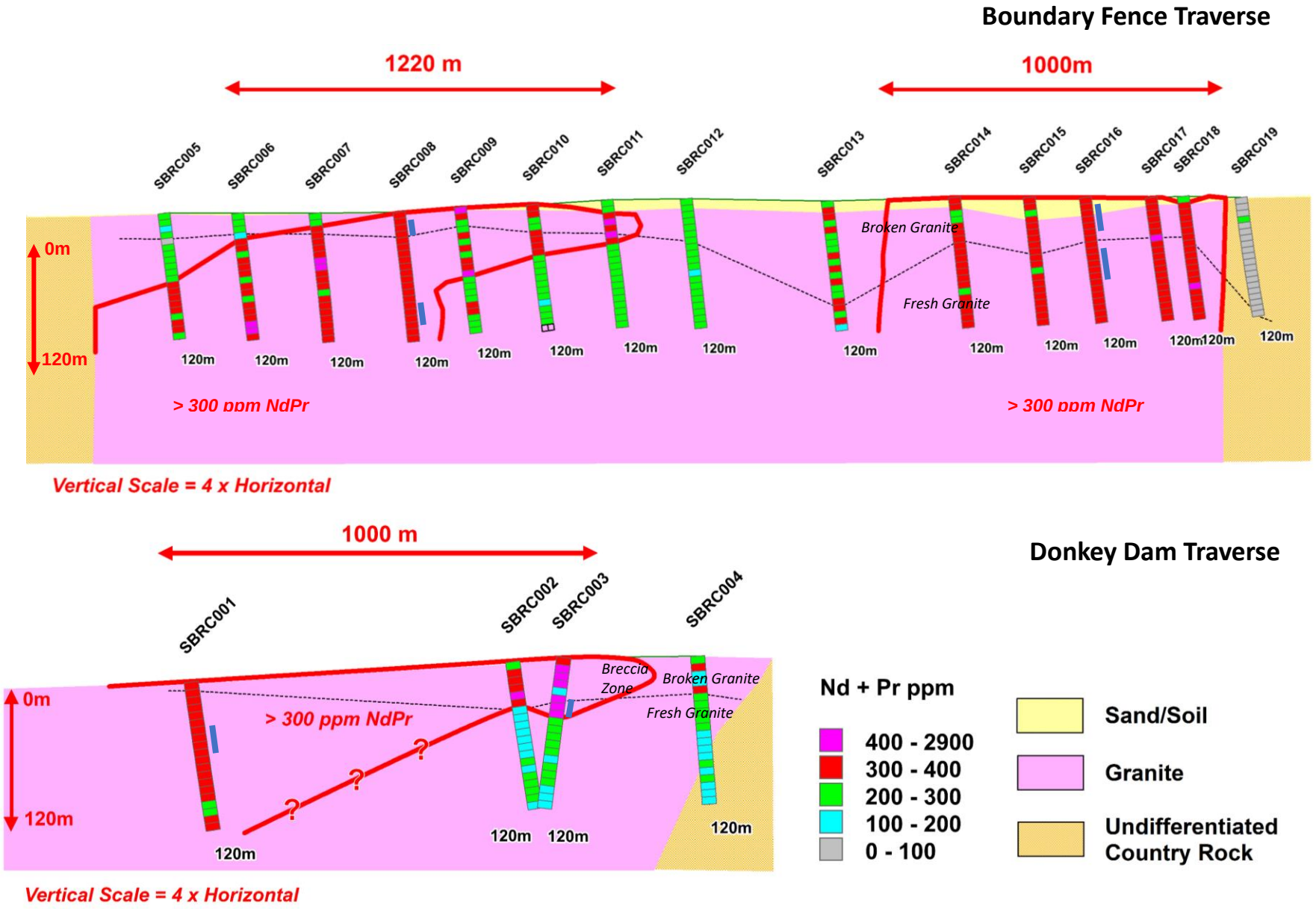
Recent drill results show consistent grades of REO's down-hole and over wide intervals highlighting the vast tonnage potential of this new discovery. Two mineralised zones each about 1000 metres wide remain open at depth and along strike north and south (Figure 1 and Figure 2). Importantly, the key REO minerals appear to be the soluble fluoro-carbonate minerals bastnasite and synchysite that should be recoverable by the application of a weak acid solution.

Future work will include bench-scale metallurgical tests (Figures 1 and 2) and more drill profiles along the 10 kilometre strike of the REO-enriched granite intrusion (Figure 3). This work will seek an effective process for REO extraction and provide a more certain indication of the size and grade potential of this exciting new REO discovery.

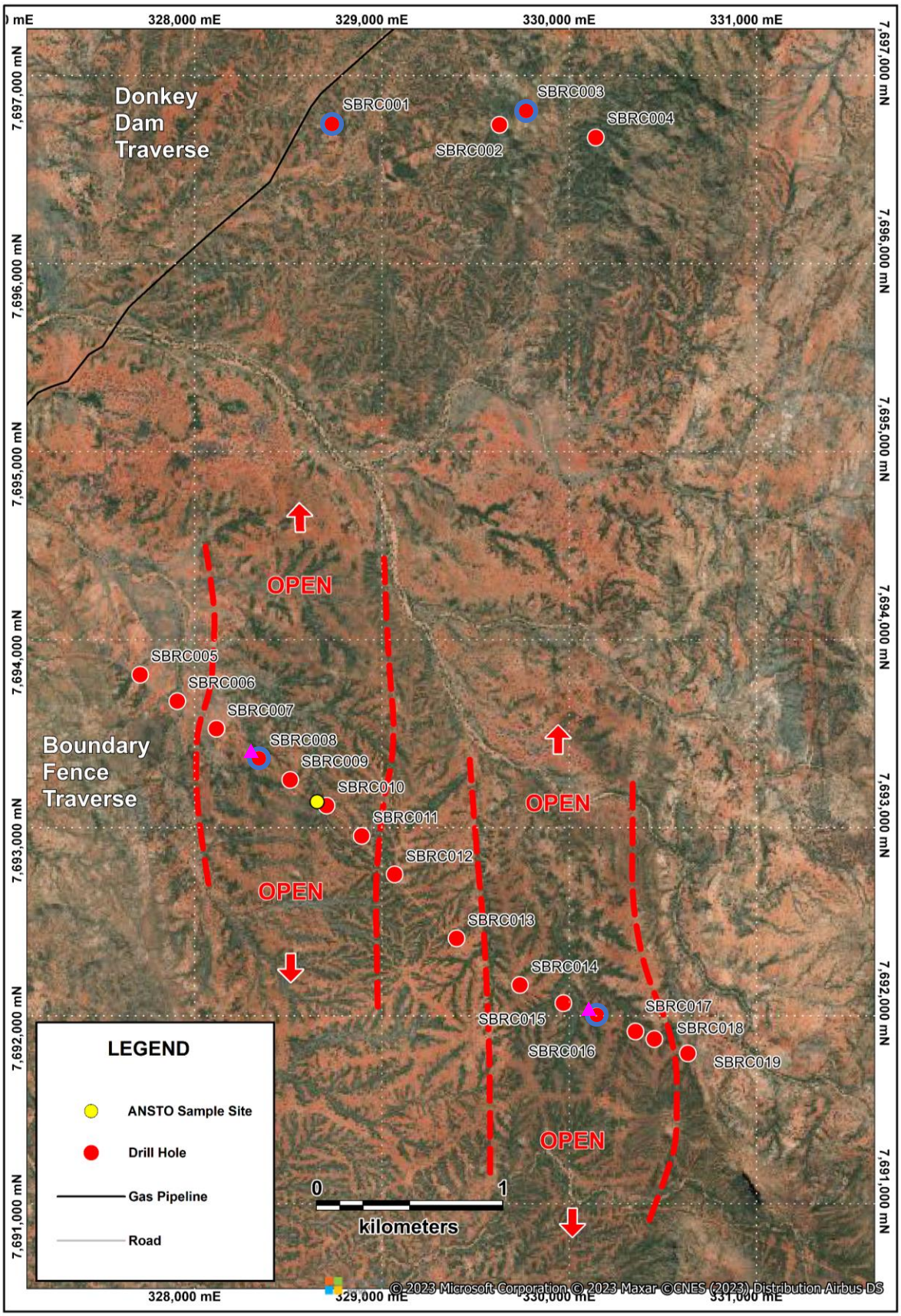
Managing Director Rob Rutherford said:

" We are confident in the vast tonnage potential for the Sybella REO discovery but before we confirm this with step-out drilling we must first crack its metallurgical code and show that we can potentially extract the REO's economically – this work is underway"

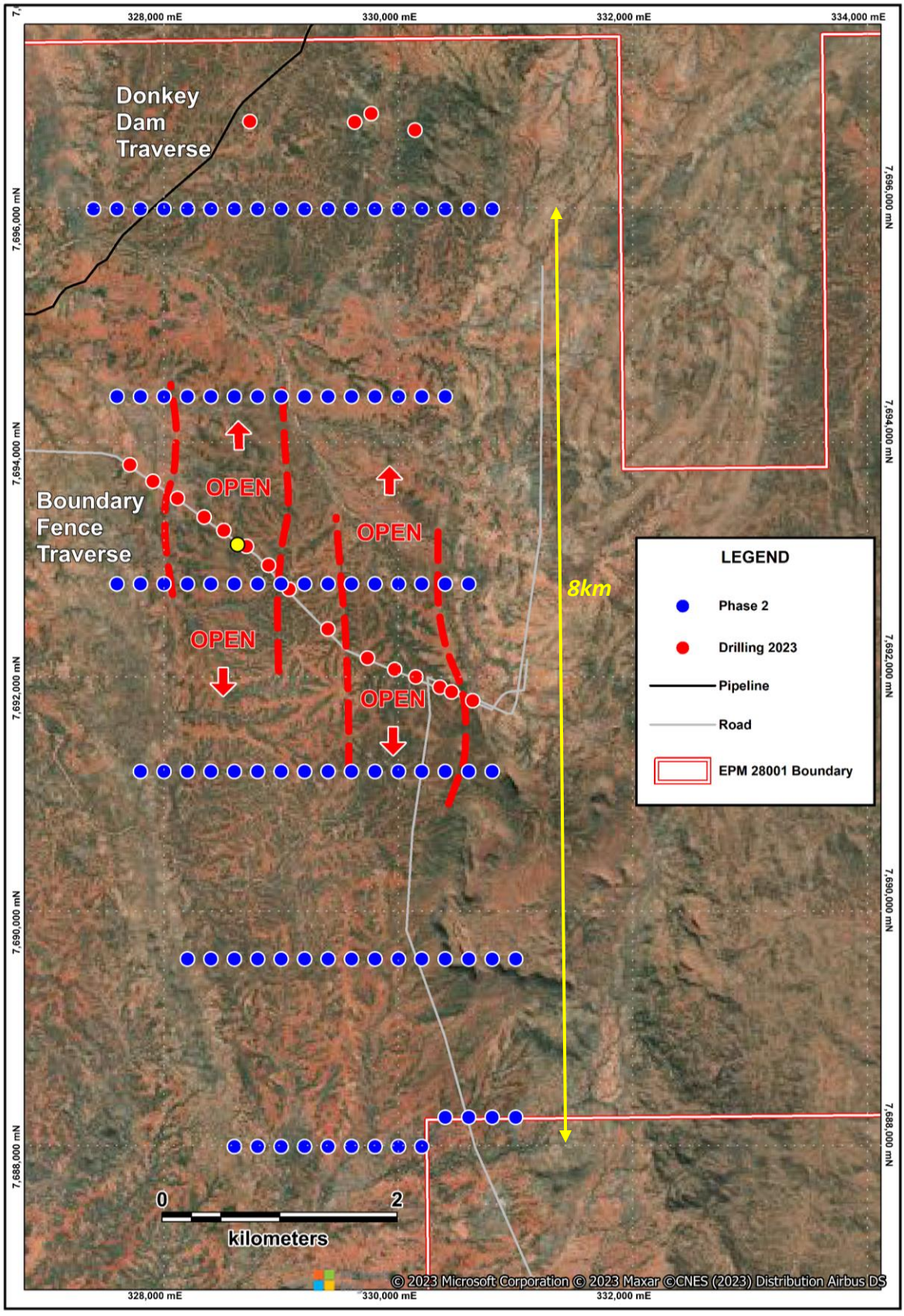
Red Metal Limited ACN 103 367 684 | Rob Rutherford Managing Director
Level 15, 323 Castlereagh Street Sydney NSW 2000 | Ph: +61 2 9281 1805
info@redmetal.com.au www.redmetal.com.au



[Figure 1] Sybella Project: Drill sections showing variation in NdPr oxide values at depth and between holes for two traverses across the granite. Note blue traces highlight intervals of RCP percussion chips composite sampled for metallurgical test work.



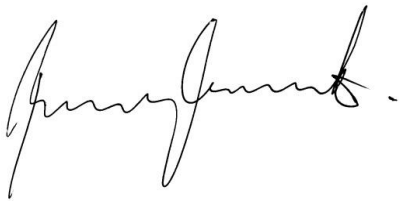
[Figure 2] Sybella Project: Recent Red Metal drill hole locations on satellite image highlighting wide zones of >300 ppm NdPr oxide. ANSTO surface sample site used for mineralogical and preliminary leach test highlighted as yellow circle. Note: blue traces highlight RCP percussion holes composite sampled for metallurgical test work, pink triangle shows approximate location of planned metallurgical core holes.



[Figure 3] Sybella Project: Recent Red Metal drill hole locations on satellite image highlighting wide zones of >300 ppm NdPr oxide and proposed Phased 2 step-out percussion drill hole program (blue circles). ANSTO surface sample site used for mineralogical and preliminary leach test highlighted as yellow circle.

This announcement was authorised by the Board of Red Metal. For further information concerning Red Metal's operations and plans for the future please refer to the recently updated web site or contact Rob Rutherford, Managing Director at:

Phone +61 (0)2 9281-1805
www.redmetal.com.au



Rob Rutherford
Managing Director

Russell Barwick
Chairman

Competent Persons Statement

The information in this report that relates to Exploration Results is based on and fairly represents information and supporting documentation compiled by Mr Robert Rutherford, who is a member of the Australian Institute of Geoscientists (AIG). Mr Rutherford is the Managing Director of the Company. Mr Rutherford has sufficient experience which is relevant to the style of mineralisation and type of deposit 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" (the JORC Code). Mr Rutherford consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.