ANNOUNCEMENT

10 FEBRUARY 2025

SYBELLA RARE EARTH DISCOVERY
INFILL DRILLING CONFIRMS CONTINUITY

Assay results from infill drilling over the eastern Kary Zone confirm the strong continuity of wide zones of rare earth oxide mineralisation adding further support to the large Inferred Mineral Resource.

KEY RESULTS AND IMPLICATIONS:

- Assays from the 19 infill holes drilled in November 2024 reveal multiple, long intercepts of Magnet Rare Earth Oxide (MREO) mineralisation (neodymium, praseodymium, dysprosium and terbium oxides) with many starting at surface and ending in mineralisation.
- Significant oxide intercepts include:

SBAC142 - 60 metres at 336 ppm NdPr, 34 ppm DyTb from surface to EOH.

SBRC143 - 108 metres at 349 ppm NdPr, 38 ppm DyTb from 12 metres to EOH.

SBAC147 - 60 metres at 324 ppm NdPr, 27 ppm DyTb from surface to EOH.

SBRC148 - 162 metres at 337 ppm NdPr, 30 ppm DyTb from 18 metres to EOH.

SBAC149 - 54 metres at 346 ppm NdPr, 36 ppm DyTb from 6 metres to EOH.

SBAC150 - 60 metres at 351 ppm NdPr, 36 ppm DyTb from surface to EOH.

SBRC152 - 72 metres at 338 ppm NdPr, 34 ppm DyTb from surface to 72 metres .

SBAC153 - 60 metres at 323 ppm NdPr, 33 ppm DyTb from surface to EOH.

SBAC154 - 54 metres at 321 ppm NdPr, 33 ppm DyTb from 6 metres to EOH.

SBAC155 - 54 metres at 303 ppm NdPr, 35 ppm DyTb from 6 metres to EOH.

- The total MREO grades and widths from the infill drilling are consistent with results from the adjacent traverses 400 metres to the north and south adding to our confidence in the Inferred Mineral Resource published on 21 October 2024.
- pH optimisation leach tests are underway on composite samples from this drilling with results anticipated in March 2025.
- Planning is underway to drill large diameter diamond core holes for column leach test work and recommence the infill drilling to an Indicated Mineral Resource category early in the 2025 field season.

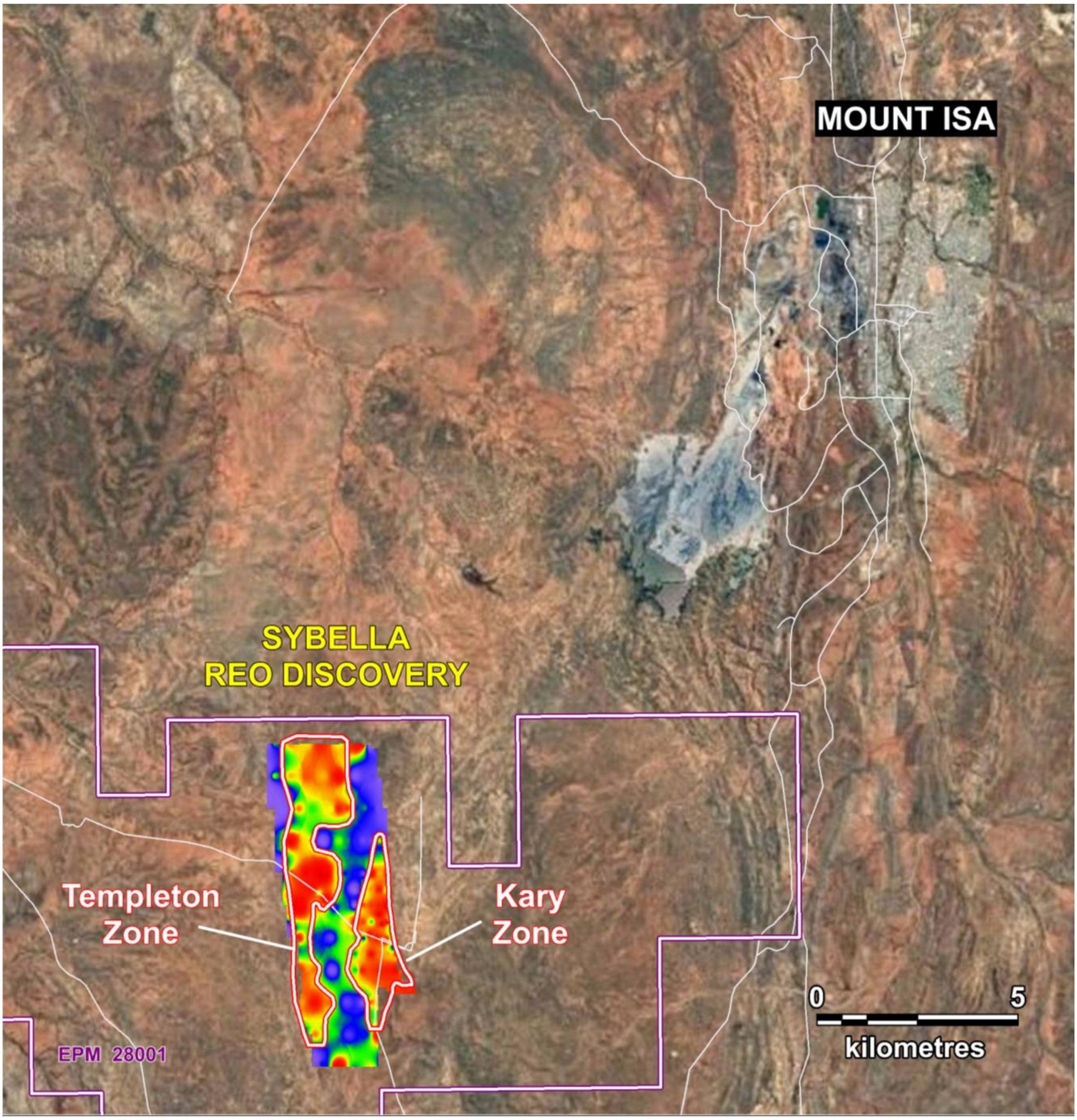
Our Sybella rare earth oxide (REO) discovery is unique being a granite-hosted deposit type. It offers very large tonnage potential and is well located just 20 kilometres southwest from the city of Mount Isa. Early-stage drilling, metallurgical and comminution studies have added to our confidence that a low-cost, low-capital, heap leach processing option may prove feasible.

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

Managing Director Rob Rutherford said:

"Confirming the continuity of the wide zones of higher-grade REO mineralisation at Sybella is an essential step towards realising its potential for bulk tonnage heap leach mining.

Repeating our positive early-stage metallurgical results with pH optimisation tests on composited samples representative of a larger area is the next key step. Results from this work on the Kary Zone are due in the coming months."



[Figure 1] Sybella Project: Location on satellite imagery overlain by colour image of the average grade of NdPr oxide to 30 metre down-hole (refer Figure 5). Note the close proximity to the infrastructure at Mount Isa.

Infill Drilling Initiated

Infill drilling to an Indicated Mineral Resource status was initiated in November 2024, however the planned program was only partially completed due to a large bush fire on the project area towards the end of the field season.

Three separate infill lines of Air Core and RC percussion drill holes were completed across the eastern Kary Zone closing the drill spacing to 400 metres north by 200 metres east over a strike length of 2.4 kilometres (Figure 2). The 1,560 metre program comprised 19 angled holes drilled mostly to 60 metres, but included four deeper RC percussion holes extended to between 120 and 180 metres (Appendix 2). One metre chip samples were composited down each drill hole for analysis over an interval of six metres (Appendix 3).

Kary Zone Width and Grade Continuity

Assays from the infill drilling have delivered multiple, long intercepts of Magnet Rare Earth Oxide (MREO) mineralisation (neodymium, praseodymium, dysprosium plus terbium oxides) hosted within the granite intrusion with many starting at surface and ending in mineralisation (Table 1, Appendix 3).

The total MREO grades and widths from the infill drilling are consistent with results from the adjacent earlier traverses 400 metres to the north and south (Figures 3 and 4) adding to our confidence in the Inferred Mineral Resource published on 21 October 2024.

Cross section grade interpretations highlighting the plus 300 ppm neodymium plus praseodymium oxide (NdPr) values show strong continuity of the wide shallow zones of higher-grade REO mineralisation between sections (Figures 3 and 4).

This continuity is supported by thematic plots showing the average NdPr grade from surface to 30 metres down-hole (Figure 5). The associated dysprosium plus terbium oxide (DyTb) grade averaged over a 30 metre down-hole interval is presented thematically in Figure 6.

Ongoing Metallurgical Test Work and Drilling

Drill chip samples from the recent infill program and the June 2024 program were composited for pH optimisation test work on the Weathered Granite. Down-hole sample compositing of multiple holes from 0-12 and 12-24 metres has been undertaken, at two separate drill areas, to assess the spatial variability of leach results within the Kary Zone (Figure 7). Results from these tests are anticipated during March 2025. Sampling for additional pH optimisation test work will follow on the western Templeton Zone.

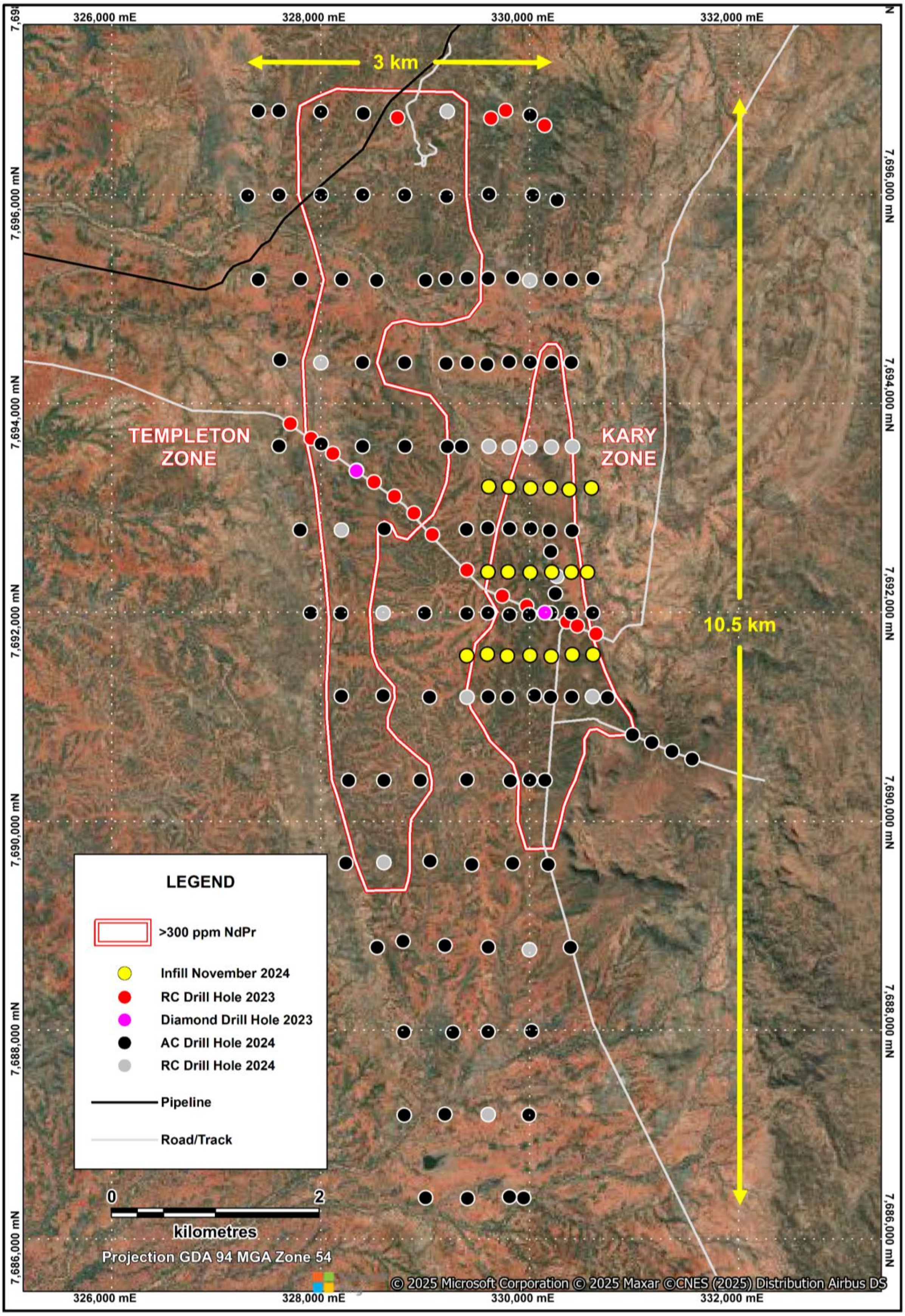
Planning is underway to drill large diameter diamond core holes to collect coarse, non-pulverised, Weathered Granite samples for column leach test work, and recommence the infill drilling to an Indicated Mineral Resource category, early in the 2025 field season (Figure 7). An updated mineral resource will follow.

Mineralogical Studies

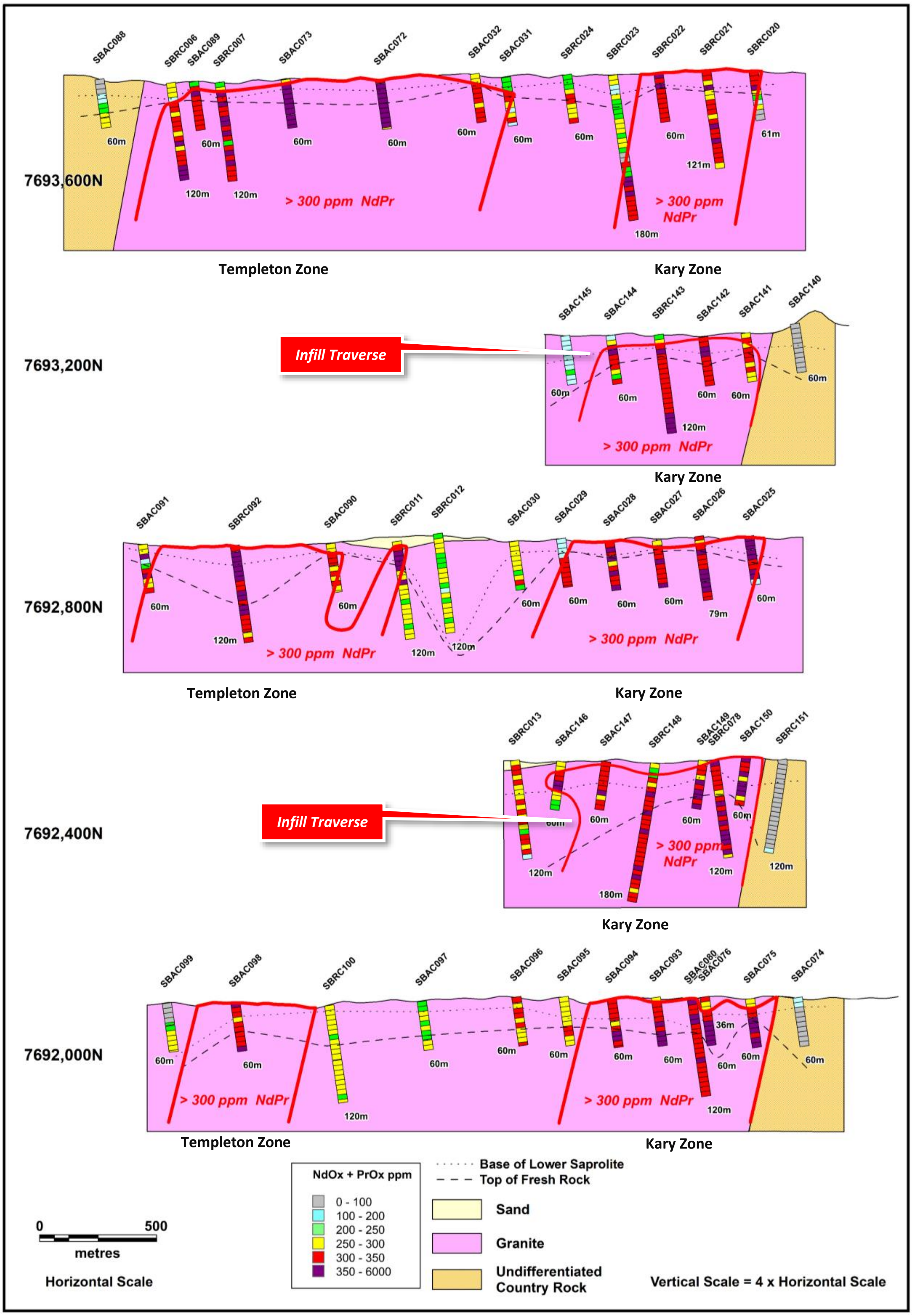
Mineralogical work utilising TESCAN Integrated Mineral Analyses (TIMA) and Laser-Induced Breakdown Spectroscopy (LIBS) to characterise the key host rock minerals, the REE mineralogy, grainsize, spatial distribution and mineral associations has been undertaken on select RC percussion chips and core.

This preliminary work shows that the rare earths occur in the minerals bastnasite-parasite, synchysite and degraded allanite as well as to a minor degree as xenotime and monazite (Figure 8). The more soluble rare earth fluoro-carbonate minerals bastnasite-parasite and synchysite occur as disseminations and fracture coatings in the granite that in places appears to overprint altered and degraded allanite. Xenotime and monazite are minor components of the REO mineralised granite and were locally observed in samples collected from a small, epigenetic, breccia.

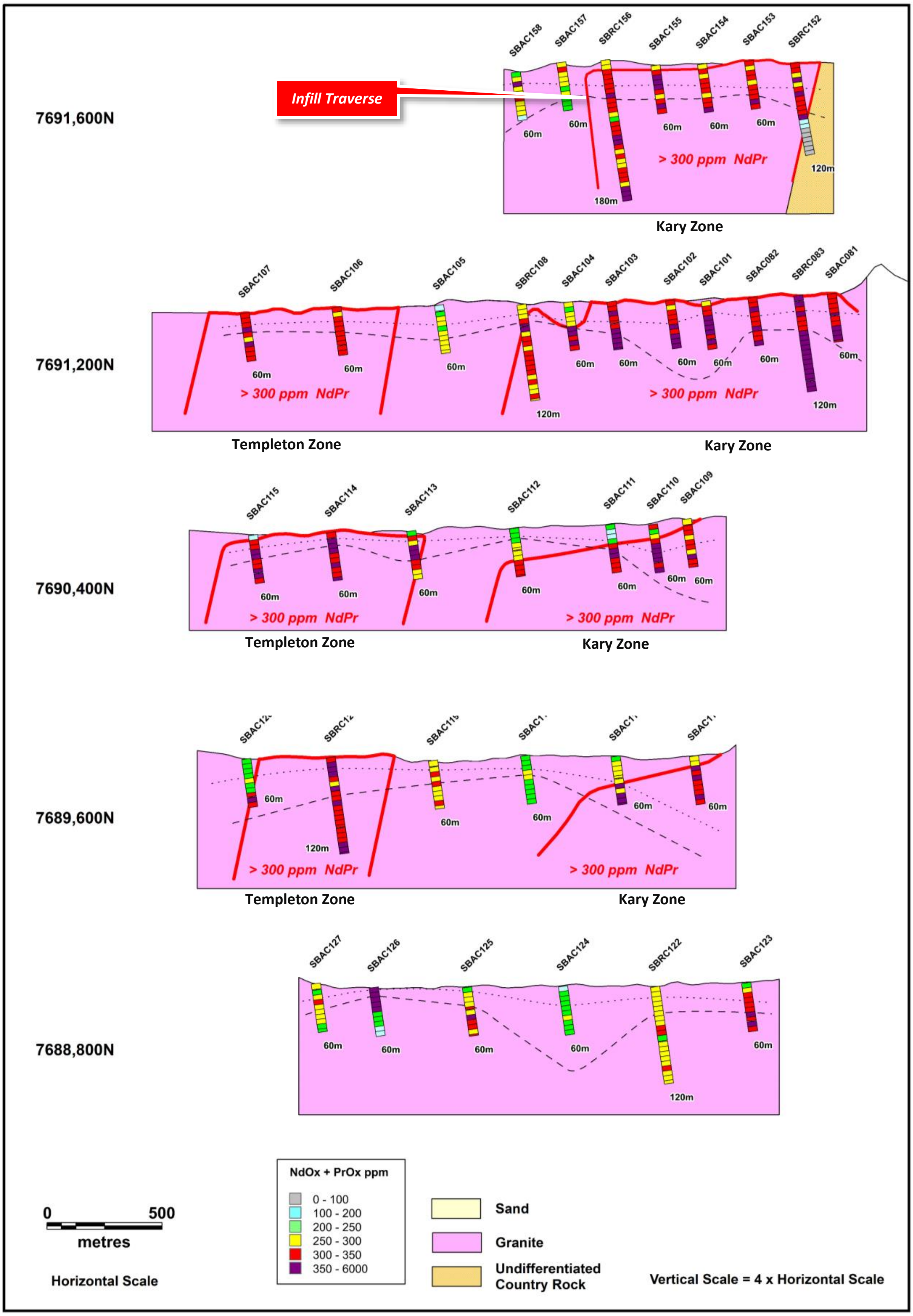
More detailed mineralogical work is needed to understand mineral variability over the granite and controls on metallurgical leach properties such as REO extraction, acid consumption and deleterious iron and aluminium release.



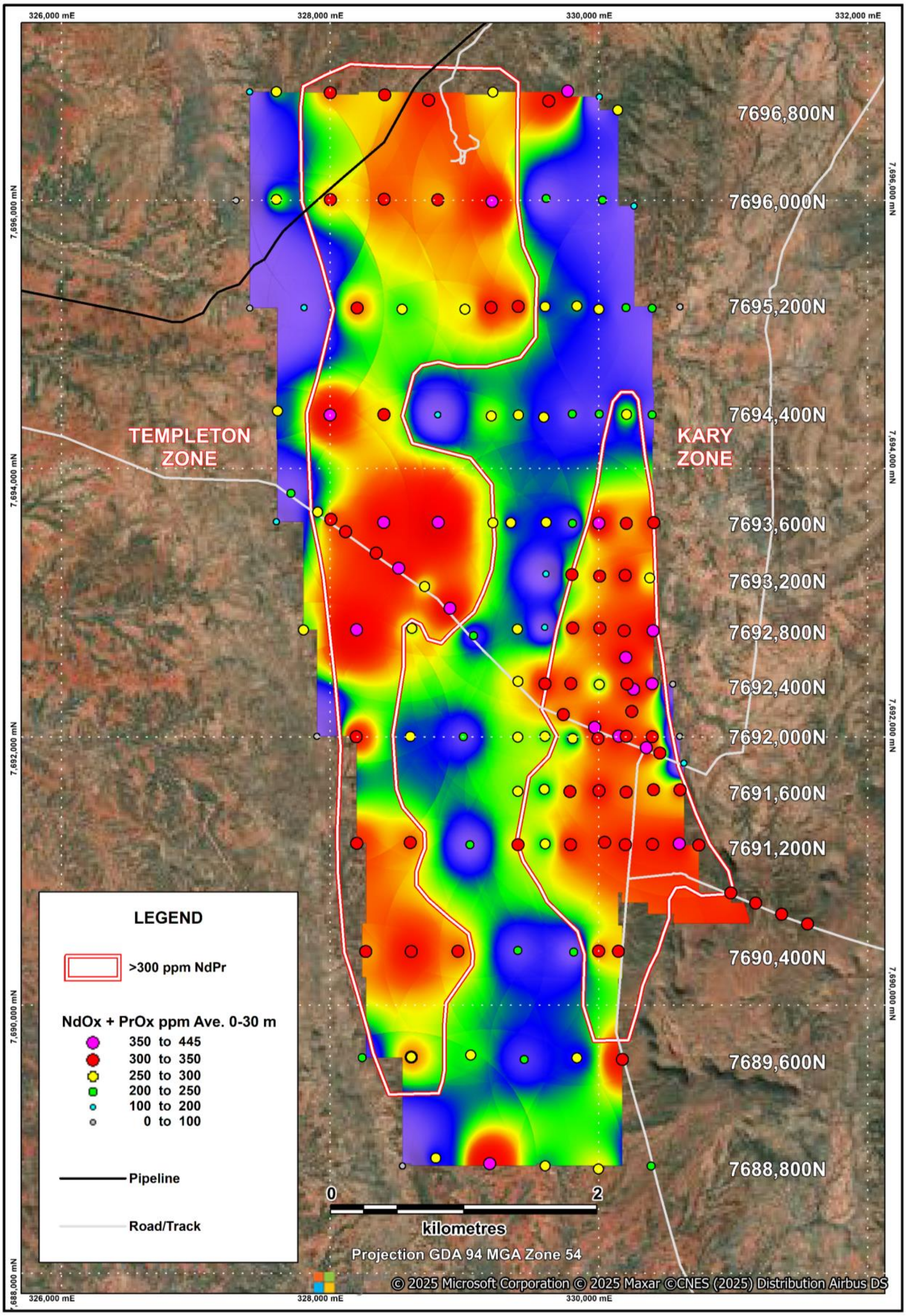
[Figure 2] Sybella Project: Drill hole locations and drill hole type on satellite image highlighting wide zones of near to surface >300 ppm NdPr oxide (red line).



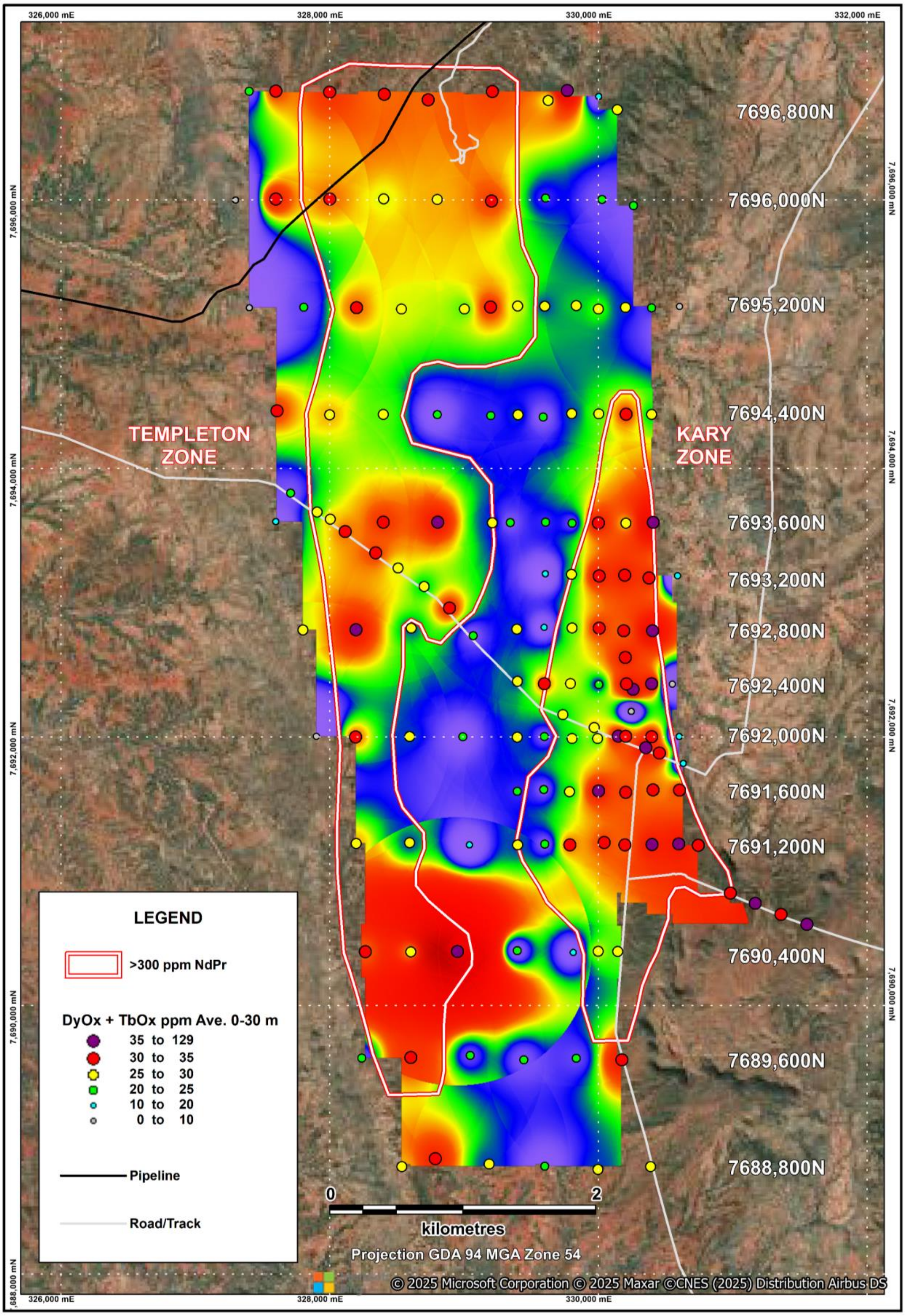
[Figure 3] Northern stacked drill sections showing variation in ***NdPr oxide assay*** values at depth and between drill lines in the granite.



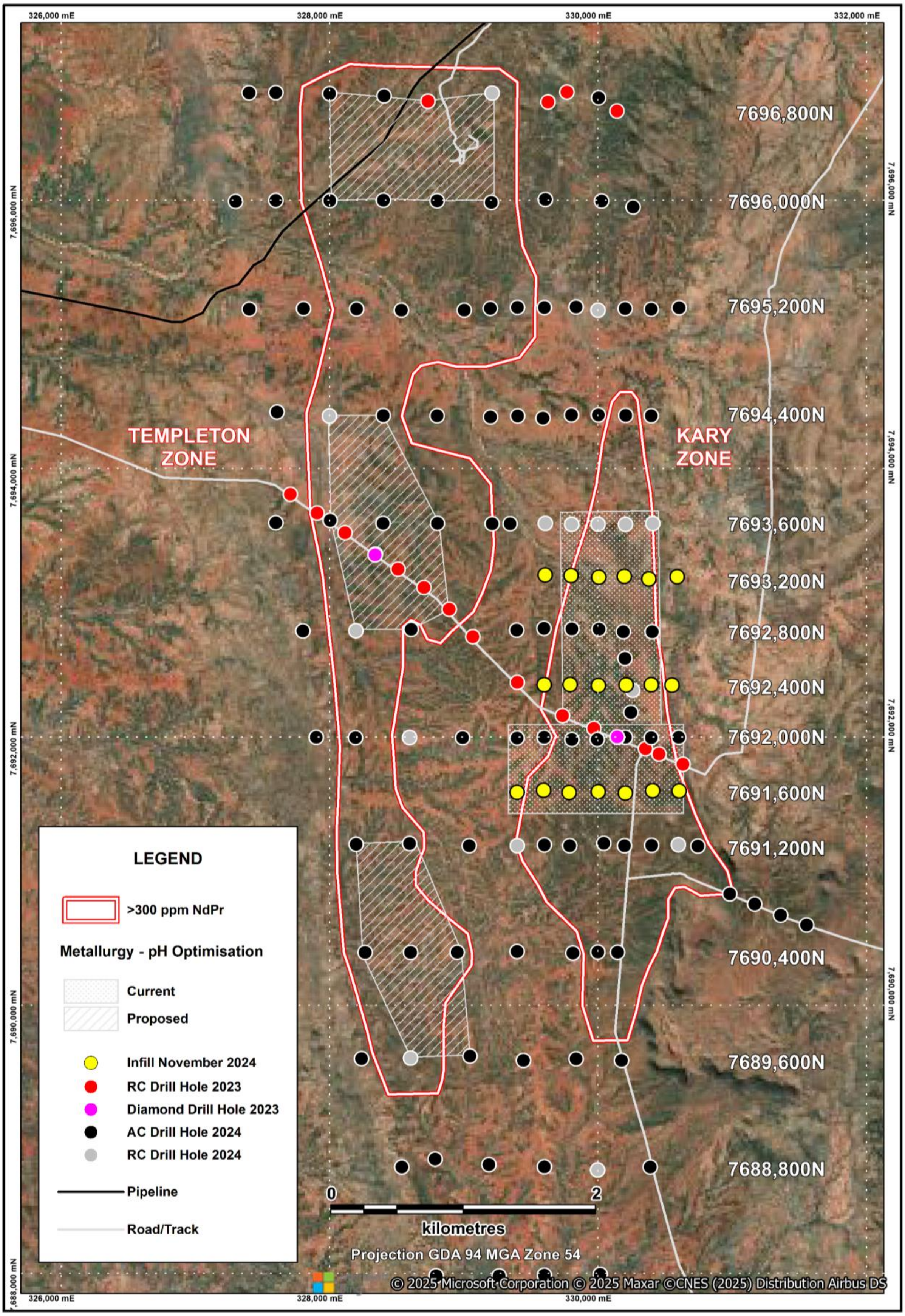
[Figure 4] Southern stacked drill sections showing variation in ***NdPr oxide assay*** values at depth and between drill lines in the granite.



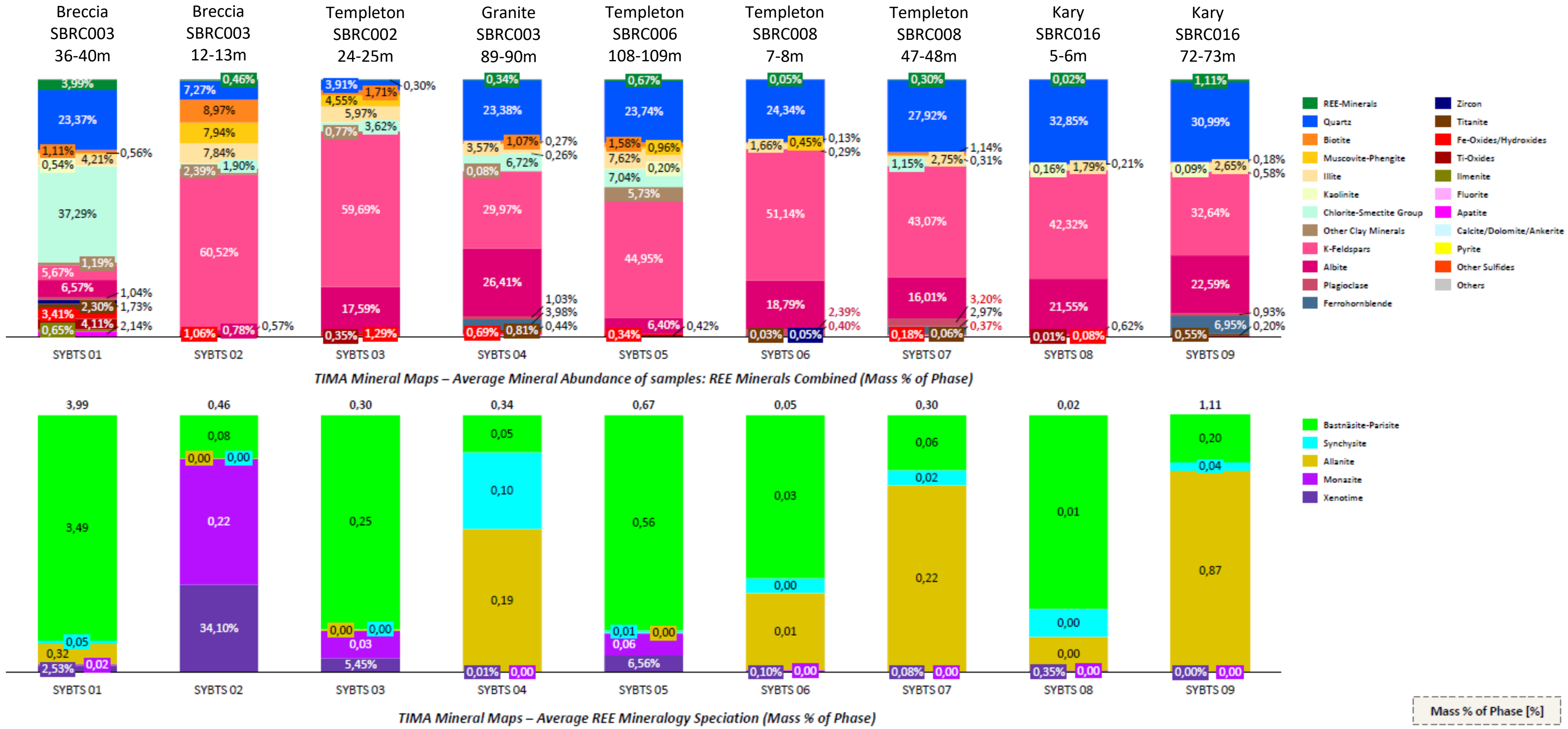
[Figure 5] Sybella Project: Drill hole locations on satellite image highlighting wide zones of near to surface >300 ppm NdPr oxide (white/red line) with thematic plot and grid image of the **average grade of NdPr oxide to 30 metre down-hole**.



[Figure 6] Sybella Project: Drill hole locations on satellite image highlighting wide zones of near to surface >300 ppm NdPr oxide (white/red line) with thematic plot and grid image of the **average grade of DyTb oxide to 30 metre down-hole**.



[Figure 7] Sybella Project: Drill hole locations and drill hole type on satellite image highlighting wide zones of near to surface >300 ppm NdPr oxide (white/red line) and current and planned composited drill areas for metallurgical pH optimisation test work (grey striped).



[Figure 8] Sybella Project: REE mineral characterisation on randomly selected RC percussion drill chips using TIMA.

[Table 1] Sybella Project: Summary of REO assay results applying a 300 ppm NdPr cut to the data highlighting **wide intervals of higher-grade MREO mineralisation located at or near to surface** which provide a focus for future infill drilling and detailed metallurgical studies (refer to Appendix 2 for collar data and Appendix 3 for all REO assays).

Hole ID	From	To	Intercept	TREO ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	Dy_2O_3 ppm	Tb_2O_3 ppm	Y_2O_3 ppm	NdPr ppm	DyTb ppm	MREO	Zone	Section Northing
SBAC141	12	36	24	1613	70	235	30	5	170	305	35	341	Kary	7,693,200
SBAC142	0	60 (EOH)	60	1709	75	262	29	5	153	336	34	370	Kary	7,693,200
SBRC143	12	120 (EOH)	108	1821	77	271	33	5	171	349	38	387	Kary	7,693,200
SBAC144	12	60 (EOH)	48	1578	70	246	24	4	127	316	28	344	Kary	7,693,200
SBAC146	12	36	24	1842	84	292	27	5	163	376	32	409	Kary	7,692,400
SBAC147	0	60 (EOH)	60	1647	73	251	23	4	124	324	27	351	Kary	7,692,400
SBRC148	18	180 (EOH)	162	1685	79	258	25	5	136	337	30	368	Kary	7,692,400
SBAC149	6	60 (EOH)	54	1777	76	270	31	5	173	346	36	383	Kary	7,692,400
SBAC150	0	60 (EOH)	60	1798	78	273	31	5	168	351	36	387	Kary	7,691,600
SBRC152	0	72	72	1752	76	262	29	5	160	338	34	371	Kary	7,691,600
SBAC153	0	60 (EOH)	60	1649	71	253	28	5	152	323	33	356	Kary	7,691,600
SBAC154	6	60 (EOH)	54	1622	72	249	28	5	149	321	33	354	Kary	7,691,600
SBAC155	6	60 (EOH)	54	1592	68	236	30	5	148	303	35	338	Kary	7,691,600
SBRC156	12	180 (EOH)	168	1716	77	261	25	4	136	338	29	368	Kary	7,691,600

EOH = to the end of hole

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.

Appendix 1: Table 1 Sybella Project - JORC 2012 sampling techniques and data

Criteria	JORC 2012 Explanation	Commentary
Sampling Techniques	Nature and quality of sampling	*Three separate infill lines of Air Core and RC percussion drill holes were completed across the eastern Kary Zone closing the drill spacing to 400 metres north by 200 metres east over a strike length 2.4 kilometre (Figure 1). The 1560 metre program comprised 19 angled holes mostly drilled to 60 metres and included fourteen Air Core and four deeper RC percussion holes that extended to between 120 and 180 metres.* *The drill collar coordinates are available in Appendix 2. The method of drilling is considered to be of an acceptable quality for evaluating the REO mineralisation within the granite and reporting of exploration results*
	Include reference to measures taken to ensure representativity samples and the appropriate calibration of any measurement tools or systems used.	*Sampling for geochemical analysis was continuous down the length of each hole with 1 sample collected every metre and composited over six metres for initial assay using a total acid digest.*
	Aspects of the determination of mineralisation that are Material to the Public Report.	*260 composite samples were submitted for analyses. Significant results are summarised in Table 1 of this report and assay results are tabulated in Appendix 3.*
Drilling Technique	Drill type (eg 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.).	*A truck mounted, multi-purpose air core / RCP rig was utilised from surface to end of hole. 14 Air Core holes (840 metres) and 4 RC percussion holes (720 metres) were drilled during this program. Air core was drilled to blade bit refusal then switched to an air core hammer bit and drilled to a set depth of about 60 metres. Face sampling blade and hammer air core bits were used at all times. Local deeper drill holes utilised an RC percussion drill set up from surface to the end of hole and also used a face bit.* *The holes were surveyed using an Axis Champ north seeking gyro.*
Drill Sample Recovery	Method of recording and assessing core and chip sample recoveries and results assessed.	*Sample recoveries were visually estimated and recorded for each metre. Chip recovery overall was very good with most intervals logged as 100% recovery with local areas reduced to 60%.*
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	*Depths are checked against depths marked on the sample bags and rod counts are routinely performed by the drillers.*
	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.	*No sample recovery bias is observed due to homogenous distribution of the REO mineralisation in the granite.*
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.	*Qualitative codes and descriptions were used to record geological data such as lithology, weathering, hardness prior to sampling.*
	Core photography	*Chip trays are photographed.*
	The total length and percentage of the relevant intersections logged.	*The total lengths of all holes have been geologically logged.*
Sub-sampling techniques and sample preparation	If core, whether cut or sawn and whether quarter, half or all core taken.	*No core was collected.*
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	*All composite pulp samples were prepared with standard crush then pulverisation techniques at ALS Mt Isa (methods SPL-21 / PUL-23). The composite method of sampling is considered appropriate for a homogeneous, disseminated granite-hosted ore type.*
	Quality control procedures adopted for all sub-sampling stages to maximise representativity of samples.	*Once results from the composites have been received, selected assaying of individual metre samples will be analysed to check representativity of the composite sampling method. Checks on representativity of*

Criteria	JORC 2012 Explanation	Commentary
		composite sampling from the previous RC composite sampling for holes SBRC001 through SBRC019 proved very good.
	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.	*A total of 15 field duplicate samples were inserted through the assay batch at a rate of about 1 in 18 samples. The duplicates showed very good repeatability.*
	Whether sample sizes are appropriate to the grain size of the material being sampled.	*6 metre composite sampling is considered appropriate for REE minerals <2mm grainsize evenly distributed throughout the granite. Checks on representativity of composite sampling from the previous RC composite sampling for holes SBRC001 through SBRC019 proved very good.*
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.	*All 260 composite samples were sent to ALS for analysis of REE's and other traces Ba Ce Cr Cs Dy Er Eu Ga Gd Hf Ho La Lu Nb Nd Pr Rb Sm Sn Sr Ta Tb Th Tm U V W Y Yb Zr using Method ME-MS81d that utilises lithium borate fusion prior to acid dissolution and ICP-MS analysis. This method provides the most quantitative analytical approach for a broad suite of trace elements including REE. For analyses of the major element oxides Zr Si Al Fe Ca Mg Na K Cr Ti Mn P Sr Ba method ME-ICP06 was utilised while LOI used method ME_GRAD.*
	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.	*No geophysical tools were used to report element concentrations at Sybella.*
	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.	*A total of 7 blanks and 23 certified reference standards were inserted evenly throughout the assay batch. In addition to this, ALS has also included standard and blank materials to monitor the performance of the laboratory. The standards and blanks used displayed acceptable levels of accuracy and precision.*
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel.	*Result reviewed by Exploration Manager and the Managing Director*
	The use of twinned holes.	*No holes have been twinned*
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	*Primary data is stored both in its source electronic form, and, where applicable, on paper. Assay data is retained in both the original certificate (.pdf) form, where available, and the text files received from the laboratory. Primary data was entered in the field into a portable logging device using standard drop-down codes. At this early stage, text data files are exported and stored in an Excel/Access database. MapInfo software is used to check and validate drill-hole data.*
	Discuss any adjustment to assay data.	*Rare earth elements are reported from ME-MS81 as the elemental concentration. The rare earth elements were converted to the industry standard rare earth oxide format using the conversion factors available below which are based on the molar mass of each rare earth oxide.* (see conversion table below)

Element	Conversion Factor	Oxide
La	1.1728	La_2O_3
Ce	1.2284	CeO_2
Pr	1.2082	Pr_6O_{11}
Nd	1.1664	Nd_2O_3
Sm	1.1596	Sm_2O_3
Eu	1.1579	Eu_2O_3
Gd	1.1526	Gd_2O_3
Tb	1.1762	Tb_4O_7
Dy	1.1477	Dy_2O_3
Ho	1.1455	Ho_2O_3
Er	1.1435	Er_2O_3
Tm	1.1421	Tm_2O_3
Yb	1.1387	Yb_2O_3
Lu	1.1371	Lu_2O_3
Y	1.2699	Y_2O_3
Sc	1.5337	Sc_2O_3

Criteria	JORC 2012 Explanation	Commentary
		Rare earth abbreviations typically used in industry reporting and throughout this report were in accordance with IUPAC guidelines, and were as follows: ***REE** - Rare Earth Elements, value presented as elemental assay.* ***REO** - Rare Earth Oxides, value presented as oxide assay.* ***TREE** - La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu plus Y and Sc.* ***MREE** – Pr, Nd, Tb, Dy.* ***LREE** - La, Ce, Pr, Nd and Sm.* ***HREE** - Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu plus Y.* ***TREO** - La_2O_3, CeO_2, Pr_6O_{11}, Nd_2O_3, Sm_2O_3, Eu_2O_3, Gd_2O_3, Tb_4O_7, Dy_2O_3, Ho_2O_3, Er_2O_3, Tm_2O_3, Yb_2O_3, Lu_2O_3 plus Y_2O_3 and Sc_2O_3* ***MREO** - Pr_6O_{11}, Nd_2O_3, Tb_4O_7, Dy_2O_3* ***LREO** - La_2O_3, CeO_2, Pr_6O_{11}, Nd_2O_3, Sm_2O_3* ***HREO** - Eu_2O_3, Gd_2O_3, Tb_4O_7, Dy_2O_3, Ho_2O_3, Er_2O_3, Tm_2O_3, Yb_2O_3, Lu_2O_3 plus Y_2O_3* ***NdPr** -is the sum of the oxide values for neodymium and praseodymium.* *DyTb - is the sum of the oxide values for dysprosium and terdium*
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.	*The collar positions were surveyed by Handheld GPS using GDA94, Zone54 datum. GPS locations are accurate to about 3m.*
	Specification of the grid system used.	*GDA94_Zone54 datum.*
	Quality and adequacy of topographic control.	*Topographic relief has been extracted using the ELVIS digital terrain information at Geoscience Australia.*
Data spacing and distribution	Data spacing for reporting of Exploration Results.	*Step-out drilling over an 8.4 by 3.0 kilometre portion of the rare earth enriched Sybella granite was drilled on 800 metre by 200 metre and 800 metre by 400 metres spacing with the aim of outlining the extent of the REO mineralisation and its resource potential. This is in addition to the 19 holes drilled along the boundary fence and Donkey Dam traverses (refer Red Metal ASX release dated21 August 2023). This announcement relates to three separate infill lines of Air Core and RC percussion drill holes completed across the eastern Kary Zone closing the drill spacing to 400 metres north by 200 metres east over a strike length 2.4 kilometre (Figure 1).*
	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.	*The historic drill pierce point spacing is sufficient to establish the degree of geological and grade continuity appropriate for an Inferred Mineral Resource (refer to Red Metal ASX announcement dated 21 October 2024. Resource consultants have advised that a drill spacing of 200 metres x 400 metres will be adequate for an Indicated Mineral Resource category. Calculation of an updated resource model is dependent further infill drilling along the eastern Kary and western Templeton Zones.*
	Whether sample compositing has been applied.	*Two separate cyclone split samples were collected for each metre with one stored on site for subsequent use and analysis while the second was sent to ALS for compositing.* *The individual metres samples were dried and pulverised (methods SPL-21 / PUL-23). ALS composited 50g from each 1 metre pulped sample over a 6 metre interval establishing a 300g composite pulp sample for analysis.*
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.	*The granite displays a deformation foliation that varies from steep west dipping to sub-vertical. Where access permitted, the drilling was oriented 60 degrees to the east across the dominant fabric.*
	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.	*As a check of drill orientation bias, drill holes on section 7692,000N were oriented towards the west. Assays from west dipping holes were consistent with those nearby east dipping holes and no obvious sampling bias is evident.*

Criteria	JORC 2012 Explanation	Commentary
Sample security	The measures taken to ensure sample security.	*Chips were logged and sampled in the field with chip tray records and two split one metre samples collected and stored at Red Metal's Cloncurry base for future reference. 6 metres composite samples were transported directly to ALS Mt Isa for preparation and analysis.*
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	*No external audits have been undertaken at this early stage.*

Appendix 1: Table 2 Sybella Project - JORC 2012 reporting of exploration results

Criteria	JORC 2012 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 Sybella drilling is located within EPM 28001 situated in the Mount Isa region of north-west Queensland. EPM 28001 is owned 100% by Red Metal Limited. A landholder Conduct and Compensation Agreement has been established with the pastoral lease holder at May Down and Ardmore Stations and are subject to annual renewals. An ancillary exploration access agreement has been established with the Kalkadoon native title party.*
	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.	*The tenement is in good standing.*
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	*No previous drilling by other parties has been directed towards REE, however the granite of interest was regularly drilled and sampled as part of a regional seismic traverse by Geoscience Australia in 1994 (line L138_94MTI_01). End of hole assays from this drill traverse provide regularly spaced REE analyses across the granite, highlighting its grade in fresh rock (refer RDM: ASX Release 26 July 2023). A total of 16 shallow holes intersected the targeted granite with many holes ending in greater than 300ppm neodymium plus praseodymium (NdPr) oxide.*
Geology	Deposit type, geological setting and style of mineralisation.	*The rare earth mineralisation at Sybella is classified as granite-hosted. Red Metal speculate the potential for a new granite-hosted, weak-acid soluble REO deposit style that can be broadly compared with other granite-hosted, weak-acid soluble mineral deposit types such as the giant Rossing and Husab soluble uranium deposits or the Morenci soluble copper deposits. These large tonnage deposit types are characterised by low-grades of soluble ore minerals hosted in low-acid consuming granite rock and can be bulk mined and then extracted using simple coarse grind and low-acid leach processing.* *The Sybella Granite Suite is a polyphase granitic intrusive complex comprising multiple granitic plutons. The granite pluton that hosts the rare earth oxide mineralisation has highly deformed margins and shows a distinct biotite schlieren foliation with a steep westerly dip (of about 70 degrees) and a gentle south plunging mineral lineation defined by biotite clusters. The deformed pluton is wedged between two ovoid-shaped, less deformed, granite plutons which suggests it may be an earlier phase of the Sybella Granite Suite.* *The rare earth mineralisation occurs primarily as the REE fluoro-carbonates minerals bastnasite and synchysite and variably degraded allanite, evenly disseminated throughout the granite pluton. The continuity of both grade and geology appears to be controlled by the primary magmatic distribution of disseminated rare earth minerals within the granite and to a lesser extent by the overprinting west dipping foliation imposed on the granite.* *The contacts between the REO enriched granite with the adjacent meta-sedimentary and amphibolite units have been drilled across in several places and locally drilled through (refer to cross sections in Red Metal ASX announcement dated 11 September 2024). Magnetic imagery clearly maps the granite/amphibolite contact.* *There is no obvious evidence of faulting causing significant offset, although minor local dislocation is possible.*

Criteria	JORC 2012 Explanation	Commentary
		The Sybella Granite is affected by weathering with strong weathering to an average depth of about 16 metres and partial weathering to an average depth of about 24 metres. These boundaries can be visually logged using colour and mineral changes.
Drill hole Information	A summary of all information material to the understanding of the exploration results including a tabulation of survey information for all Material drill holes:	*Refer to Figures 1 to 8, Table 1 and Appendix 2 and Appendix 3 in this announcement for a summary of Red Metal's 2024 drill hole data.*
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.	*No data aggregation methods have been applied*
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	*No metal equivalent values have been applied*
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').	*At this stage of exploration insufficient data exists to confidently estimate 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.	*Refer to Figures 1 to 8 to this announcement.*
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.	*See text to this announcement*
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.	*Although subject to further detailed metallurgical studies, proof of concept leach test work confirmed strong REO extractions can be achieved using low levels of ambient temperature sulphuric acid on coarse fractions of both weathered and fresh granite. Lowering the acid strength and increasing the residence time have significantly improved the reduction of iron and aluminium contaminants and significantly reduced the acid consumption rate (refer to Red Metal ASX releases dated 1 February 2024, 18 March 2024,.3 June 2024).* *In addition, purification experiments on the pregnant leach solutions derived from the bottle roll test work successfully precipitated our first potentially saleable mixed rare earth carbonate (MREC) product (refer to Red Metal ASX release dated 8 July 2024).* *Comminution test work show the coarsely crushed granite is classified as "Very Soft" when weathered and "Soft" when fresh which should translate into very competitive capital and operating costs for both mining and crushing product (refer to Red Metal ASX release dated 8 July 2024).*
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).	*Chip samples from the recent infill program and the June 2024 program were composited for pH optimisation test work on the Weathered Granite. Recommencement of the infill drill program is planned during the 2025 field season.*

Appendix 2: Sybella Project Red Metal 2024 Drill Hole Collar Data.

HOLE ID	Hole Type	Easting	Northing	RL	Dip	Azim_True	Depth
SBAC140	AC	330589	7693201	429	-60	90	60
SBAC141	AC	330378	7693185	419	-60	90	60
SBAC142	AC	330196	7693205	415	-60	90	60
SBRC143	RC	330006	7693199	418	-60	90	120
SBAC144	AC	329800	7693211	417	-60	90	60
SBAC145	AC	329606	7693215	416	-60	90	60
SBAC146	AC	329599	7692397	423	-60	270	60
SBAC147	AC	329792	7692398	423	-60	270	60
SBRC148	RC	330003	7692391	421	-60	270	180
SBAC149	AC	330210	7692395	424	-60	270	60
SBAC150	AC	330396	7692396	428	-60	270	60
SBRC151	RC	330551	7692394	425	-60	90	120
SBRC152	RC	330605	7691605	430	-60	90	120
SBAC153	AC	330407	7691606	433	-60	90	60
SBAC154	AC	330204	7691588	429	-60	90	60
SBAC155	AC	330002	7691599	428	-60	90	60
SBRC156	RC	329785	7691593	434	-60	90	180
SBAC157	AC	329594	7691609	431	-60	90	60
SBAC158	AC	329397	7691595	421	-60	90	60

Appendix 3: Sybella Project Rare Earth Oxide (REO) Assay Data.

Hole ID	From	To	Sample Type	Sample No	CeO_2 ppm	Dy_2O_3 ppm	Er_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Ho_2O_3 ppm	La_2O_3 ppm	Lu_2O_3 ppm	Nd_2O_3 ppm	Pr_6O_{11} ppm	Sc_2O_3 ppm	Sm_2O_3 ppm	Tb_4O_7 ppm	Tm_2O_3 ppm	Y_2O_3 ppm	Yb_2O_3 ppm
SBAC140	0	6	6 m Composite	SC9399	112	6.5	3.6	1.57	7.56	1.31	54	0.56	47	14	23.93	9.2	1.12	0.55	37.0	3.64
SBAC140	6	12	6 m Composite	SC9400	97	6.1	3.28	1.15	7.02	1.27	45	0.41	41	12	16.87	8.7	1.02	0.55	35.8	3.14
SBAC140	12	18	6 m Composite	SC9401	103	11.0	7.33	1.23	9.64	2.42	47	0.94	43	12	18.41	9.7	1.73	1.06	76.1	6.88
SBAC140	18	24	6 m Composite	SC9402	116	9.9	6.2	1.46	9.35	2.1	55	0.85	49	14	21.17	10.0	1.51	0.95	62.1	6.24
SBAC140	24	30	6 m Composite	SC9403	181	13.0	8.04	1.66	13.72	2.86	85	0.93	76	22	20.25	15.4	2.16	1.19	69.8	7.19
SBAC140	30	36	6 m Composite	SC9404	52	3.7	2.26	0.89	3.62	0.72	25	0.33	20	6	7.36	4.2	0.59	0.39	24.6	2.51
SBAC140	36	42	6 m Composite	SC9405	57	3.7	2.24	0.94	4.01	0.77	28	0.33	23	7	6.29	4.4	0.61	0.32	24.1	2.21
SBAC140	42	48	6 m Composite	SC9406	51	2.9	1.84	0.74	3.64	0.62	25	0.26	21	6	5.37	3.8	0.54	0.29	18.3	1.8
SBAC140	48	54	6 m Composite	SC9407	45	3.5	2.1	0.79	3.43	0.74	22	0.39	19	6	6.6	4.0	0.54	0.35	24.4	2.4
SBAC140	54	60	6 m Composite	SC9408	42	2.3	1.52	0.63	2.78	0.45	22	0.2	17	5	6.75	3.0	0.46	0.25	16.9	1.53
SBAC141	0	6	6 m Composite	SC9409	511	24.8	13.72	3.4	27.55	4.86	266	1.61	194	58	10.12	34.4	4.14	2.17	134.0	11.96
SBAC141	6	12	6 m Composite	SC9410	651	29.7	17.27	3.89	33.19	5.99	319	2.14	236	71	12.27	41.9	5	2.42	165.1	14.8
SBAC141	12	18	6 m Composite	SC9411	623	28.4	16.07	3.77	31.81	5.85	301	1.82	222	67	9.51	40.0	4.92	2.38	160.0	14.23
SBAC141	18	24	6 m Composite	SC9412	647	30.2	17.27	3.94	34.35	6.13	311	2.07	233	70	10.89	41.9	5.13	2.47	169.5	15.54
SBAC141	24	30	6 m Composite	SC9413	674	29.6	17.78	3.99	33.43	6.36	320	2.17	240	72	12.58	43.0	5.27	2.68	174.6	15.88
SBAC141	30	36	6 m Composite	SC9414	673	34.0	18.7	3.58	37.81	6.95	318	2.18	244	73	9.97	46.2	5.81	2.76	179.7	15.54
SBAC141	36	42	6 m Composite	SC9415	590	34.7	20.75	2.85	36.42	7.15	273	2.27	218	63	5.68	42.4	5.81	2.75	188.6	17.65
SBAC141	42	48	6 m Composite	SC9416	688	39.8	23.56	3.15	41.95	8.29	319	2.72	251	74	9.05	49.3	6.54	3.31	226.0	19.02
SBAC141	48	54	6 m Composite	SC9417	586	33.1	18.52	2.86	34.58	6.74	273	2.21	215	63	5.37	41.8	5.55	2.67	180.3	15.43
SBAC141	54	60	6 m Composite	SC9418	561	32.5	18.98	3.22	34.81	6.88	260	2.23	205	60	7.06	39.7	5.55	2.84	184.8	16.8
SBAC142	0	6	6 m Composite	SC9419	694	26.4	15.15	4.38	32.04	5.43	317	1.98	244	72	15.03	42.3	4.73	2.3	142.2	13.95
SBAC142	6	12	6 m Composite	SC9420	684	27.1	15.27	4.37	32.5	5.67	328	2.07	246	74	13.34	41.6	4.85	2.31	151.1	14.29
SBAC142	12	18	6 m Composite	SC9421	771	29.5	16.29	4.52	37	6.05	365	2.01	281	83	12.27	47.1	5.41	2.44	160.0	15.2
SBAC142	18	24	6 m Composite	SC9422	801	32.0	15.72	4.77	35.73	5.99	373	2.23	287	81	13.96	46.0	5.33	2.28	160.0	14.23
SBAC142	24	30	6 m Composite	SC9423	688	30.4	15.84	4.56	32.39	5.78	325	2.25	254	72	13.34	41.9	4.87	2.32	153.7	14.52
SBAC142	30	36	6 m Composite	SC9424	682	29.3	15.27	4.78	31	5.67	318	2.18	251	70	10.89	41.8	4.95	2.17	154.3	13.95
SBAC142	36	42	6 m Composite	SC9425	685	28.2	14.24	4.83	31.35	5.29	318	2	253	71	11.81	39.8	4.56	2.06	141.6	13.38
SBAC142	42	48	6 m Composite	SC9426	733	29.8	16.01	5.04	33.66	5.62	338	2.33	269	77	16.26	43.8	5.07	2.2	156.2	14.92

Hole ID	From	To	Sample Type	Sample No	CeO_2 ppm	Dy_2O_3 ppm	Er_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Ho_2O_3 ppm	La_2O_3 ppm	Lu_2O_3 ppm	Nd_2O_3 ppm	Pr_6O_{11} ppm	Sc_2O_3 ppm	Sm_2O_3 ppm	Tb_4O_7 ppm	Tm_2O_3 ppm	Y_2O_3 ppm	Yb_2O_3 ppm
SBAC142	48	54	6 m Composite	SC9427	709	28.9	14.52	5.14	32.27	5.74	331	2.14	262	73	15.34	43.1	4.93	2.26	150.5	13.89
SBAC142	54	60	6 m Composite	SC9428	730	29.7	15.32	5.3	32.85	5.76	333	2.19	267	75	12.27	44.6	4.95	2.26	156.2	14.97
SBRC143	0	6	6 m Composite	SC9429	463	22.2	11.61	4.42	25.47	4.49	250	1.68	194	54	10.43	32.8	3.8	1.71	124.6	11.61
SBRC143	6	12	6 m Composite	SC9430	635	27.7	14.24	5.16	30.43	5.29	303	1.93	233	65	14.26	38.4	4.52	2.12	144.8	13.15
SBRC143	12	18	6 m Composite	SC9431	661	28.4	14.58	5.11	31.24	5.62	312	1.98	244	69	19.33	40.6	4.82	2.22	151.8	14.29
SBRC143	18	24	6 m Composite	SC9432	792	33.4	17.44	5.64	36.31	6.41	369	2.39	282	81	16.87	48.0	5.56	2.43	172.7	15.88
SBRC143	24	30	6 m Composite	SC9433	703	32.6	16.81	5.27	33.89	6.31	321	2.32	253	71	17.79	44.1	5.28	2.5	170.8	15.66
SBRC143	30	36	6 m Composite	SC9434	712	30.9	15.78	5.08	33.43	6.12	331	2.25	257	73	17.49	43.5	5.14	2.38	166.4	15.03
SBRC143	36	42	6 m Composite	SC9435	663	32.7	17.27	5.01	33.89	6.15	313	2.3	253	70	16.72	43.6	5.28	2.49	168.9	15.77
SBRC143	42	48	6 m Composite	SC9436	726	32.8	17.32	4.96	35.15	6.23	337	2.32	265	74	17.49	44.6	5.42	2.48	169.5	15.2
SBRC143	48	54	6 m Composite	SC9437	709	32.6	16.58	5.35	33.08	6.19	332	2.38	253	71	15.34	42.9	5.23	2.6	173.3	15.66
SBRC143	54	60	6 m Composite	SC9438	661	32.4	17.1	4.79	34.69	6.24	311	2.3	244	69	14.42	42.0	5.35	2.43	168.3	15.26
SBRC143	60	66	6 m Composite	SC9439	690	32.1	16.35	5.19	33.89	5.97	318	2.4	252	71	17.18	41.8	5.21	2.41	165.1	15.77
SBRC143	66	72	6 m Composite	SC9440	692	32.5	16.12	5.34	34.58	6.14	323	2.38	253	71	15.64	42.3	5.16	2.55	168.9	15.77
SBRC143	72	78	6 m Composite	SC9441	710	31.9	16.35	5.26	34.23	6.2	334	2.32	257	73	14.26	43.4	5.19	2.43	165.7	16.11
SBRC143	78	84	6 m Composite	SC9442	671	29.8	15.67	4.7	32.16	5.9	313	2.23	244	69	15.95	41.1	4.93	2.38	158.7	15.2
SBRC143	84	90	6 m Composite	SC9443	722	31.8	16.58	4.97	34.35	6.44	342	2.4	265	75	18.1	44.5	5.23	2.49	172.7	16.34
SBRC143	90	96	6 m Composite	SC9444	646	33.6	17.04	4.87	34.81	6.47	301	2.55	237	68	13.65	42.0	5.54	2.62	174.0	16.11
SBRC143	96	102	6 m Composite	SC9445	937	35.0	18.01	4.17	39.65	6.61	456	2.44	318	94	12.12	52.3	5.9	2.57	176.5	16.45
SBRC143	102	108	6 m Composite	SC9446	1321	39.7	19.61	4.68	45.99	7.23	687	2.73	429	129	18.71	67.5	6.74	2.83	191.8	17.82
SBRC143	108	114	6 m Composite	SC9447	840	35.1	17.5	5.06	37.46	6.71	399	2.51	294	85	15.34	49.4	5.7	2.7	181.6	16.57
SBRC143	114	120	6 m Composite	SC9448	781	32.8	17.44	4.77	35.04	6.39	366	2.44	285	80	15.8	47.8	5.53	2.51	182.9	17.02
SBAC144	0	6	6 m Composite	SC9449	353	16.4	9.08	4.24	19.02	3.43	173	1.15	146	40	10.58	26.3	3.03	1.27	94.1	8.45
SBAC144	6	12	6 m Composite	SC9450	622	20.6	10.87	4.86	26.05	4.02	291	1.41	230	64	13.96	38.3	3.73	1.45	110.6	9.51
SBAC144	12	18	6 m Composite	SC9451	770	24.2	12.98	4.21	31.24	4.72	351	1.94	281	79	16.26	45.7	4.41	1.83	134.0	12.81
SBAC144	18	24	6 m Composite	SC9452	790	27.7	15.15	5	32.85	5.58	358	2.22	287	81	17.95	47.9	5.14	2.22	151.8	14.46
SBAC144	24	30	6 m Composite	SC9453	646	22.9	13.15	4.6	26.86	4.44	294	1.71	234	66	15.64	39.2	4.01	1.82	123.9	12.24
SBAC144	30	36	6 m Composite	SC9454	716	24.9	13.44	5.25	29.97	4.91	327	1.97	261	73	14.88	42.7	4.5	2.04	137.2	13.44
SBAC144	36	42	6 m Composite	SC9455	743	25.6	14.01	5.11	30.54	5.12	341	1.94	268	76	14.72	44.2	4.63	2	139.7	13.44
SBAC144	42	48	6 m Composite	SC9456	580	21.1	11.06	4.38	24.2	3.99	259	1.71	209	59	14.57	33.6	3.76	1.66	112.0	10.91

Hole ID	From	To	Sample Type	Sample No	CeO_2 ppm	Dy_2O_3 ppm	Er_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Ho_2O_3 ppm	La_2O_3 ppm	Lu_2O_3 ppm	Nd_2O_3 ppm	Pr_6O_{11} ppm	Sc_2O_3 ppm	Sm_2O_3 ppm	Tb_4O_7 ppm	Tm_2O_3 ppm	Y_2O_3 ppm	Yb_2O_3 ppm
SBAC144	48	54	6 m Composite	SC9457	479	17.5	9.39	3.75	20.8	3.43	229	1.46	184	52	12.42	29.9	3.09	1.44	94.7	9.76
SBAC144	54	60	6 m Composite	SC9458	688	24.3	12.64	5	28.12	4.65	311	1.89	245	70	17.79	39.0	4.35	1.87	126.6	12.3
SBAC145	0	6	6 m Composite	SC9459	258	10.2	5.31	3.21	11.93	1.87	129	0.71	101	28	5.06	16.7	1.69	0.74	55.8	5.19
SBAC145	6	12	6 m Composite	SC9460	280	11.8	6.61	3.66	13.14	2.35	137	0.88	108	30	6.44	18.6	2	0.98	69.5	6.4
SBAC145	12	18	6 m Composite	SC9461	262	10.1	5.25	3.13	12.45	2.04	122	0.69	100	28	7.52	17.4	1.89	0.73	56.9	4.86
SBAC145	18	24	6 m Composite	SC9462	338	12.5	6.72	3.65	15.79	2.49	160	1	129	36	6.14	21.5	2.19	1.03	73.3	6.23
SBAC145	24	30	6 m Composite	SC9463	303	9.6	6.09	2.92	11.43	2.04	147	0.83	102	31	6.6	15.2	1.74	0.93	60.8	5.66
SBAC145	30	36	6 m Composite	SC9464	291	12.7	6.95	3.84	14.12	2.49	138	0.85	110	31	6.6	18.4	2.16	0.94	71.8	6.08
SBAC145	36	42	6 m Composite	SC9465	252	14.2	8.74	3.16	12.68	3.04	117	1.43	95	27	7.36	17.4	2.33	1.23	90.4	7.86
SBAC145	42	48	6 m Composite	SC9466	394	25.4	15.72	4.7	23.63	5.53	184	2.21	157	44	17.18	27.8	4.18	2.4	168.3	14.29
SBAC145	48	54	6 m Composite	SC9467	290	13.8	8.27	3.5	16.02	2.94	137	1.11	115	31	5.06	19.8	2.58	1.11	81.4	8.01
SBAC145	54	60	6 m Composite	SC9468	289	12.7	6.91	3.74	16.08	2.62	136	0.75	118	32	6.75	21.7	2.48	0.95	74.8	5.66
SBAC146	0	6	6 m Composite	SC9469	566	20.9	11.78	3.98	24.09	4.19	264	1.69	209	58	10.74	32.9	3.6	1.74	121.0	11.18
SBAC146	6	12	6 m Composite	SC9470	636	21.9	12.41	4.7	26.39	4.54	298	1.63	231	66	18.56	37.0	3.9	1.8	127.6	10.75
SBAC146	12	18	6 m Composite	SC9471	681	21.4	11.49	4.63	27.2	4.31	312	1.61	248	72	13.19	40.8	4.06	1.74	127.0	10.25
SBAC146	18	24	6 m Composite	SC9472	634	23.4	12.29	4.94	29.28	4.6	308	1.56	246	71	10.89	42.1	4.07	1.77	135.9	10.27
SBAC146	24	30	6 m Composite	SC9473	968	39.0	21.84	7.87	48.06	8	503	2.92	390	112	13.19	64.6	7.27	3.18	228.0	17.59
SBAC146	30	36	6 m Composite	SC9474	758	26.2	14.81	5.94	34	5.56	361	1.88	286	81	13.04	46.5	4.98	2.06	159.4	12.18
SBAC146	36	42	6 m Composite	SC9475	574	22.5	13.44	4.35	26.28	4.98	265	2.18	209	61	7.06	34.9	4.12	2.15	143.5	12.87
SBAC146	42	48	6 m Composite	SC9476	640	37.5	26.64	4.46	29.97	8.83	290	4.33	225	65	11.2	36.6	5.53	4.23	262.9	27.21
SBAC146	48	54	6 m Composite	SC9477	493	19.6	11.55	3.66	21.44	3.85	219	1.68	181	50	14.57	29.5	3.53	1.6	105.9	11.17
SBAC146	54	60	6 m Composite	SC9478	452	20.5	12.81	3.35	21.38	4.24	205	1.69	170	48	8.44	29.0	3.59	1.94	115.6	11.44
SBAC147	0	6	6 m Composite	SC9479	630	23.2	13.38	4.3	29.74	4.33	332	1.69	250	70	14.11	36.1	4.09	1.64	120.1	10.92
SBAC147	6	12	6 m Composite	SC9480	678	22.7	13.78	4.82	28.35	4.3	327	1.65	244	69	11.5	37.6	4.02	1.6	121.5	11.07
SBAC147	12	18	6 m Composite	SC9481	716	23.9	13.04	4.92	30.2	4.64	354	1.73	251	74	12.88	40.2	4.6	1.83	126.4	11.96
SBAC147	18	24	6 m Composite	SC9482	711	24.9	12.92	5.71	30.77	4.97	353	1.91	251	73	17.03	38.9	4.58	1.96	137.8	12.35
SBAC147	24	30	6 m Composite	SC9483	695	23.0	12.52	5.21	29.39	4.49	340	1.66	245	71	13.96	37.8	4.27	1.74	124.3	11.02
SBAC147	30	36	6 m Composite	SC9484	681	21.1	10.54	5.04	27.09	4.14	335	1.66	240	71	13.19	35.7	4.03	1.71	115.4	9.84
SBAC147	36	42	6 m Composite	SC9485	876	25.4	15.44	4.78	33.31	4.74	419	1.97	310	89	11.35	44.6	4.68	1.84	135.9	11.96
SBAC147	42	48	6 m Composite	SC9486	601	20.0	10.97	4.26	25.36	3.89	293	1.67	209	61	11.81	32.9	3.54	1.51	107.4	9.51

Hole ID	From	To	Sample Type	Sample No	CeO_2 ppm	Dy_2O_3 ppm	Er_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Ho_2O_3 ppm	La_2O_3 ppm	Lu_2O_3 ppm	Nd_2O_3 ppm	Pr_6O_{11} ppm	Sc_2O_3 ppm	Sm_2O_3 ppm	Tb_4O_7 ppm	Tm_2O_3 ppm	Y_2O_3 ppm	Yb_2O_3 ppm
SBAC147	48	54	6 m Composite	SC9487	748	22.2	11.95	4.96	28.58	4.36	366	1.75	255	77	14.26	39.3	4.13	1.67	121.5	10.73
SBAC147	54	60	6 m Composite	SC9488	735	22.6	11.89	4.77	30.31	4.57	354	1.76	258	75	12.42	39.7	4.52	1.87	130.8	11.5
SBRC148	0	6	6 m Composite	SC9489	608	21.6	11.89	4.56	27.55	4.5	318	1.74	224	65	13.04	35.3	4.03	1.67	121.5	10.57
SBRC148	6	12	6 m Composite	SC9490	488	16.2	9.01	3.58	20.8	3.31	237	1.48	177	51	9.97	28.0	3.16	1.35	89.9	8.51
SBRC148	12	18	6 m Composite	SC9491	547	17.8	10.17	3.76	22.71	3.59	266	1.36	192	57	10.74	31.4	3.32	1.48	98.2	9.5
SBRC148	18	24	6 m Composite	SC9492	712	22.6	13.61	4.5	29.39	4.23	344	1.77	258	75	13.04	38.0	4.23	1.71	124.7	11.56
SBRC148	24	30	6 m Composite	SC9493	694	23.9	12.64	4.32	30.08	4.54	324	1.81	227	71	13.65	36.3	4.16	1.92	124.5	11.5
SBRC148	30	36	6 m Composite	SC9494	731	25.1	15.78	4.2	31.93	4.96	358	2.09	268	76	17.49	39.9	4.62	1.99	139.7	12.64
SBRC148	36	42	6 m Composite	SC9495	1034	36.2	19.9	4.59	45.87	7.37	491	2.99	376	109	31.9	60.9	6.73	2.98	203.2	18.96
SBRC148	42	48	6 m Composite	SC9496	650	26.6	16.24	4.48	33.43	5.13	308	2.09	253	69	18.41	40.7	5.08	1.99	147.3	13.27
SBRC148	48	54	6 m Composite	SC9497	657	26.2	16.35	5.01	31.58	5.34	330	1.98	244	76	15.64	39.1	4.59	2.06	144.1	13.66
SBRC148	54	60	6 m Composite	SC9498	683	25.4	13.78	5.19	30.89	4.8	339	1.9	248	78	16.41	37.0	4.42	1.88	132.7	13.21
SBRC148	60	66	6 m Composite	SC9499	871	30.5	17.61	4.83	38.38	5.92	436	2.23	313	99	19.48	45.6	5.48	2.4	158.1	16
SBRC148	66	72	6 m Composite	SC9500	666	24.1	14.75	4.89	32.62	4.97	330	1.9	240	76	14.88	38.2	4.25	1.9	134.0	13.04
SBRC148	72	78	6 m Composite	SC9501	676	24.0	15.04	4.62	32.27	4.88	335	1.84	248	77	13.8	39.4	4.49	1.85	134.0	12.58
SBRC148	78	84	6 m Composite	SC9502	695	26.3	14.64	4.84	34.12	5.05	344	1.94	258	80	14.26	37.7	4.68	1.91	134.6	13.78
SBRC148	84	90	6 m Composite	SC9503	762	25.9	15.21	4.86	32.27	4.85	358	1.93	279	78	13.65	41.5	4.6	1.92	138.4	12.24
SBRC148	90	96	6 m Composite	SC9504	674	25.5	14.12	5.09	32.04	5.14	333	1.96	245	79	13.04	39.5	4.53	2.08	135.2	12.92
SBRC148	96	102	6 m Composite	SC9505	716	26.7	15.15	4.65	33.77	5.18	358	2.05	258	83	13.65	41.6	4.92	2.07	143.5	13.61
SBRC148	102	108	6 m Composite	SC9506	658	23.5	13.61	4.83	30.2	4.58	327	1.77	240	77	13.04	38.7	4.53	1.8	128.3	11.67
SBRC148	108	114	6 m Composite	SC9507	666	24.2	13.72	4.84	31.24	4.71	332	1.77	245	77	13.8	38.6	4.33	1.92	131.4	12.98
SBRC148	114	120	6 m Composite	SC9508	658	25.9	15.15	4.96	32.5	4.88	328	1.69	240	75	14.26	37.8	4.67	1.99	134.0	12.41
SBRC148	120	126	6 m Composite	SC9509	673	25.5	13.95	4.97	31.7	4.8	332	1.76	250	77	13.96	39.0	4.5	1.94	128.3	11.67
SBRC148	126	132	6 m Composite	SC9510	677	23.9	13.72	4.75	31.7	4.5	337	1.75	250	77	12.73	38.2	4.38	1.9	126.2	12.18
SBRC148	132	138	6 m Composite	SC9511	736	26.2	14.92	5.31	33.43	5.3	364	2.06	272	84	16.57	40.6	5	2.06	142.2	14.29
SBRC148	138	144	6 m Composite	SC9512	701	26.7	14.58	5.13	32.73	5.21	351	1.91	257	82	16.87	41.5	4.59	1.99	138.4	13.55
SBRC148	144	150	6 m Composite	SC9513	726	25.8	14.12	4.82	31.47	5.02	357	1.89	268	83	13.5	41.3	4.59	2	136.5	13.15
SBRC148	150	156	6 m Composite	SC9514	712	24.8	13.84	4.59	31.93	5.07	352	1.72	264	81	14.26	39.1	4.4	2.02	130.2	13.49
SBRC148	156	162	6 m Composite	SC9515	665	23.2	14.87	4.48	29.85	4.8	326	1.94	244	78	14.11	39.0	4.15	1.99	128.3	12.53
SBRC148	162	168	6 m Composite	SC9516	598	21.0	11.55	4.01	26.05	4.17	291	1.58	219	68	11.66	34.0	3.68	1.54	108.1	10.19

Hole ID	From	To	Sample Type	Sample No	CeO_2 ppm	Dy_2O_3 ppm	Er_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Ho_2O_3 ppm	La_2O_3 ppm	Lu_2O_3 ppm	Nd_2O_3 ppm	Pr_6O_{11} ppm	Sc_2O_3 ppm	Sm_2O_3 ppm	Tb_4O_7 ppm	Tm_2O_3 ppm	Y_2O_3 ppm	Yb_2O_3 ppm
SBRC148	168	174	6 m Composite	SC9517	669	23.6	13.55	4.5	31.24	4.86	328	1.64	247	78	12.12	38.2	4.4	1.77	124.8	11.67
SBRC148	174	180	6 m Composite	SC9518	703	24.2	14.35	4.57	30.2	4.74	348	1.77	259	80	15.95	40.0	4.2	1.92	128.3	12.24
SBAC149	0	6	6 m Composite	SC9539	603	24.2	13.44	3.86	26.28	4.52	283	1.73	222	63	11.66	35.5	4.19	1.9	127.6	11.27
SBAC149	6	12	6 m Composite	SC9540	697	27.9	15.38	4.59	30.54	5.45	315	1.94	252	70	11.96	39.9	4.72	2.14	153.0	13.38
SBAC149	12	18	6 m Composite	SC9541	690	29.2	16.24	4.26	30.43	5.49	324	2.07	255	71	13.65	41.5	4.99	2.17	159.4	13.44
SBAC149	18	24	6 m Composite	SC9542	617	28.6	16.12	4.26	29.16	5.54	285	1.96	233	63	14.88	38.9	4.56	2.25	159.4	13.32
SBAC149	24	30	6 m Composite	SC9543	787	33.6	18.75	4.52	36.31	6.31	365	2.27	286	81	17.79	47.4	5.83	2.39	188.0	15.6
SBAC149	30	36	6 m Composite	SC9544	699	31.1	16.87	4.47	33.43	5.96	318	2.33	254	71	14.11	43.0	5.16	2.43	173.3	15.26
SBAC149	36	42	6 m Composite	SC9545	854	36.3	20.35	4.68	40.34	7.17	393	2.73	315	88	19.02	53.0	6.3	2.82	205.1	17.25
SBAC149	42	48	6 m Composite	SC9546	786	32.7	18.07	4.56	34.92	6.25	366	2.23	286	81	15.95	46.6	5.45	2.39	178.4	14.92
SBAC149	48	54	6 m Composite	SC9547	727	30.3	16.7	4.37	33.08	5.74	335	2.05	262	74	14.88	42.4	5.05	2.31	167.0	14.35
SBAC149	54	60	6 m Composite	SC9548	797	32.8	17.84	4.99	35.04	6.17	367	2.26	289	81	14.42	46.2	5.45	2.41	177.2	15.14
SBAC150	0	6	6 m Composite	SC9549	856	33.2	17.38	4.7	39.19	6.2	442	2.06	331	94	10.12	50.8	5.62	2.32	184.1	14.4
SBAC150	6	12	6 m Composite	SC9550	716	29.7	15.95	4.18	32.73	5.62	328	1.89	268	74	8.28	44.5	5.1	2.16	160.6	12.87
SBAC150	12	18	6 m Composite	SC9551	762	31.6	16.18	4.74	37.11	5.92	355	2.06	268	79	7.82	44.5	5.34	2.28	158.7	13.95
SBAC150	18	24	6 m Composite	SC9552	828	29.0	15.27	4.37	33.89	5.5	392	1.82	295	84	10.74	45.6	5.12	1.96	153.0	12.53
SBAC150	24	30	6 m Composite	SC9553	539	29.2	15.09	3.88	30.08	5.36	259	1.84	213	60	11.66	36.2	4.8	2.07	152.4	12.47
SBAC150	30	36	6 m Composite	SC9554	770	34.6	17.67	4.27	35.73	6.08	359	1.92	285	80	10.43	46.0	5.6	2.18	172.7	14.29
SBAC150	36	42	6 m Composite	SC9555	780	31.3	17.04	4.4	33.31	5.97	360	2.05	273	78	8.9	44.8	5.23	2.31	173.3	13.55
SBAC150	42	48	6 m Composite	SC9556	988	30.9	16.98	4.5	35.04	5.86	479	2.01	323	95	13.34	49.1	5.25	2.28	172.1	14.01
SBAC150	48	54	6 m Composite	SC9557	517	29.6	16.35	4.4	29.51	5.88	253	2.17	204	56	9.82	35.8	4.99	2.25	168.3	14.29
SBAC150	54	60	6 m Composite	SC9558	764	33.3	18.18	4.65	34.23	6.28	353	2.21	268	77	12.42	45.0	5.52	2.38	180.3	14.97
SBRC151	0	6	6 m Composite	SC9519	120	5.7	3.49	1.25	6.82	1.28	57	0.42	47	14	20.25	8.4	1.02	0.53	34.8	2.95
SBRC151	6	12	6 m Composite	SC9520	86	4.9	3.27	1.17	5.61	0.96	42	0.45	36	10	19.63	6.2	0.82	0.42	32.5	2.81
SBRC151	12	18	6 m Composite	SC9521	79	4.0	2.63	1.04	4.77	0.8	38	0.36	31	9	14.11	6.0	0.59	0.38	24.4	2.43
SBRC151	18	24	6 m Composite	SC9522	80	4.2	2.42	1.04	5.2	0.85	38	0.25	31	10	13.04	5.5	0.66	0.38	25.4	2.45
SBRC151	24	30	6 m Composite	SC9523	94	5.2	3.89	1.26	5.73	0.97	45	0.49	37	11	19.17	7.3	0.91	0.47	32.4	3.27
SBRC151	30	36	6 m Composite	SC9524	122	6.4	4.04	1.41	7.57	1.33	57	0.47	49	14	17.64	9.4	1.13	0.58	41.4	3.63
SBRC151	36	42	6 m Composite	SC9525	99	6.6	4.77	1.23	6.93	1.44	48	0.53	39	12	17.18	7.1	1.09	0.7	44.7	4.25
SBRC151	42	48	6 m Composite	SC9526	92	5.5	3.43	1.34	5.88	1.08	44	0.44	37	11	13.8	7.2	0.86	0.48	33.7	3.22

Hole ID	From	To	Sample Type	Sample No	CeO_2 ppm	Dy_2O_3 ppm	Er_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Ho_2O_3 ppm	La_2O_3 ppm	Lu_2O_3 ppm	Nd_2O_3 ppm	Pr_6O_{11} ppm	Sc_2O_3 ppm	Sm_2O_3 ppm	Tb_4O_7 ppm	Tm_2O_3 ppm	Y_2O_3 ppm	Yb_2O_3 ppm
SBRC151	48	54	6 m Composite	SC9527	89	4.4	2.61	1.25	5.47	0.92	43	0.41	36	11	13.5	6.1	0.8	0.37	26.4	2.16
SBRC151	54	60	6 m Composite	SC9528	65	4.4	2.86	1.16	4.4	0.79	31	0.42	27	8	10.89	5.2	0.73	0.39	25.9	2.95
SBRC151	60	66	6 m Composite	SC9529	83	5.3	3.45	1.05	6.03	1.08	40	0.43	34	10	15.03	6.2	0.81	0.5	34.3	3.37
SBRC151	66	72	6 m Composite	SC9530	85	4.3	2.72	1.17	5.29	0.84	41	0.32	33	10	16.57	6.3	0.8	0.39	27.7	2.71
SBRC151	72	78	6 m Composite	SC9531	116	9.2	5.97	1.25	9.06	1.83	56	0.69	46	14	16.57	9.4	1.34	0.89	56.8	5.29
SBRC151	78	84	6 m Composite	SC9532	131	7.7	4.47	1.64	8.63	1.63	61	0.67	56	15	24.08	10.2	1.25	0.66	54.1	4.44
SBRC151	84	90	6 m Composite	SC9533	112	5.2	2.95	1.48	6.37	1.01	52	0.4	47	13	23.93	8.1	0.96	0.43	33.7	2.77
SBRC151	90	96	6 m Composite	SC9534	116	5.4	2.8	1.7	7.05	1.01	56	0.41	49	13	25.77	8.9	0.93	0.42	32.8	2.79
SBRC151	96	102	6 m Composite	SC9535	120	5.9	3.3	1.39	7.46	1.11	57	0.45	50	14	23.31	9.0	1.07	0.49	36.2	3.12
SBRC151	102	108	6 m Composite	SC9536	109	5.7	3.34	1.42	7.07	1.07	51	0.39	45	12	20.25	8.4	0.95	0.43	34.8	2.89
SBRC151	108	114	6 m Composite	SC9537	108	7.2	4.13	1.3	6.93	1.51	52	0.63	44	13	17.79	8.2	1.13	0.62	46.2	4.24
SBRC151	114	120	6 m Composite	SC9538	249	18.7	11.89	1.4	16.25	3.69	117	1.41	101	27	15.64	18.8	2.85	1.58	106.4	9.63
SBRC152	0	6	6 m Composite	SC9569	614	24.3	12.41	4.47	30.77	4.58	323	1.82	234	69	11.04	37.3	4.35	2	135.9	11.56
SBRC152	6	12	6 m Composite	SC9570	740	25.8	12.86	4.37	31.81	4.72	359	1.92	271	77	9.05	42.8	4.52	1.94	133.3	12.58
SBRC152	12	18	6 m Composite	SC9571	656	25.4	13.21	3.88	29.85	4.9	311	1.89	232	66	9.66	38.0	4.47	2.01	141.6	12.18
SBRC152	18	24	6 m Composite	SC9572	817	31.3	16.58	4.96	36.42	5.89	386	2.43	283	83	10.12	45.6	5.46	2.43	170.2	15.32
SBRC152	24	30	6 m Composite	SC9573	660	25.8	15.32	4.03	28.82	5.32	313	2.27	232	68	11.04	36.9	4.35	2.36	151.8	14.58
SBRC152	30	36	6 m Composite	SC9574	731	29.5	15.84	4.62	33.77	5.68	348	2.35	261	76	12.58	43.3	5.06	2.36	162.6	14.75
SBRC152	36	42	6 m Composite	SC9575	779	28.0	15.04	4.39	34	5.27	361	2.14	274	80	12.58	44.5	5.07	2.27	158.7	13.95
SBRC152	42	48	6 m Composite	SC9576	762	31.1	16.87	4.55	35.62	6	351	2.57	268	77	11.96	44.8	5.32	2.65	173.3	15.43
SBRC152	48	54	6 m Composite	SC9577	735	31.2	17.61	4.28	35.96	6.08	342	2.64	262	75	12.12	44.5	5.35	2.66	180.3	16.51
SBRC152	54	60	6 m Composite	SC9578	736	31.3	17.61	4.59	36.31	6.03	345	2.37	264	76	12.73	45.2	5.39	2.51	175.9	16.06
SBRC152	60	66	6 m Composite	SC9579	780	26.9	14.35	3.86	32.85	5.12	367	1.98	264	78	7.52	42.4	4.87	2.07	146.0	12.7
SBRC152	66	72	6 m Composite	SC9580	855	33.2	18.01	3.81	38.15	6.48	406	2.6	295	87	7.36	48.8	5.6	2.74	189.2	16.57
SBRC152	72	78	6 m Composite	SC9581	228	12.4	6.77	2.2	14.12	2.37	114	0.92	90	26	16.1	16.2	2.08	0.98	70.7	6.02
SBRC152	78	84	6 m Composite	SC9582	369	28.1	17.61	2.22	22.48	5.85	181	2.54	138	40	10.74	24.8	4.19	2.67	162.6	15.83
SBRC152	84	90	6 m Composite	SC9583	102	8.9	5.28	1.33	8.03	1.83	48	0.88	42	12	38.19	9.1	1.34	0.88	56.6	5.47
SBRC152	90	96	6 m Composite	SC9584	102	6.2	3.72	1.25	6.47	1.26	49	0.59	39	11	24.23	7.2	1.01	0.62	40.9	4
SBRC152	96	102	6 m Composite	SC9585	78	6.1	4.12	0.98	5.99	1.25	36	0.71	31	9	48.16	5.8	1.01	0.62	38.5	3.96
SBRC152	102	108	6 m Composite	SC9586	86	7.8	4.37	1.53	7.49	1.58	41	0.68	36	10	47.24	8.0	1.22	0.71	47.0	4.17

Hole ID	From	To	Sample Type	Sample No	CeO_2 ppm	Dy_2O_3 ppm	Er_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Ho_2O_3 ppm	La_2O_3 ppm	Lu_2O_3 ppm	Nd_2O_3 ppm	Pr_6O_{11} ppm	Sc_2O_3 ppm	Sm_2O_3 ppm	Tb_4O_7 ppm	Tm_2O_3 ppm	Y_2O_3 ppm	Yb_2O_3 ppm
SBRC152	108	114	6 m Composite	SC9587	78	7.5	4.6	1.59	7.35	1.58	36	0.73	35	9	47.24	7.9	1.29	0.67	45.8	4.24
SBRC152	114	120	6 m Composite	SC9588	89	9.1	5.25	1.91	8.89	1.79	40	0.84	40	10	52.61	9.0	1.49	0.88	55.2	5.04
SBAC153	0	6	6 m Composite	SC9559	700	28.8	15.44	4.53	32.39	5.45	341	1.89	261	74	12.27	41.4	4.93	2.1	157.5	12.58
SBAC153	6	12	6 m Composite	SC9560	576	23.2	12.64	3.95	25.7	4.35	276	1.55	218	61	10.43	34.4	3.95	1.68	127.6	10.62
SBAC153	12	18	6 m Composite	SC9561	641	26.1	14.75	4.37	28.58	5.14	304	1.83	240	67	13.65	37.2	4.54	1.98	145.4	12.13
SBAC153	18	24	6 m Composite	SC9562	677	27.2	14.81	4.63	29.74	5.2	314	1.84	245	70	12.73	39.3	4.54	2.02	149.9	12.41
SBAC153	24	30	6 m Composite	SC9563	650	24.2	12.46	4.37	26.86	4.56	301	1.59	233	65	11.2	36.1	4.05	1.68	131.4	10.62
SBAC153	30	36	6 m Composite	SC9564	709	27.9	14.52	4.54	31.81	5.21	325	1.84	254	71	11.35	41.5	4.67	2.04	150.5	12.41
SBAC153	36	42	6 m Composite	SC9565	716	30.8	16.35	4.79	33.31	5.88	339	2.16	272	74	14.57	44.5	5.23	2.26	170.8	13.89
SBAC153	42	48	6 m Composite	SC9566	720	30.8	16.41	4.63	31.93	5.54	332	2.04	264	73	12.73	42.8	5.12	2.28	161.3	13.49
SBAC153	48	54	6 m Composite	SC9567	755	31.2	17.27	4.93	33.43	5.82	346	2.05	274	76	16.1	44.9	5.29	2.31	166.4	14.06
SBAC153	54	60	6 m Composite	SC9568	768	27.8	15.55	4.83	33.54	5.49	358	2.38	266	77	16.26	44.1	4.86	2.24	158.7	14.35
SBAC154	0	6	6 m Composite	SC9619	622	22.0	11.66	3.93	27.09	4.19	298	1.55	223	67	11.2	35.3	3.96	1.62	116.2	11.22
SBAC154	6	12	6 m Composite	SC9620	669	27.0	14.35	4.33	32.16	5.28	325	2.05	250	74	15.34	40.5	4.58	2.08	143.5	13.44
SBAC154	12	18	6 m Composite	SC9621	595	24.3	13.04	4.1	28.7	4.83	285	1.83	225	66	13.96	36.8	4.35	1.78	126.4	11.61
SBAC154	18	24	6 m Composite	SC9622	678	28.9	15.27	4.28	33.54	5.75	327	2.14	252	74	12.12	41.8	5.08	2.19	151.8	14.18
SBAC154	24	30	6 m Composite	SC9623	703	27.7	14.58	4.09	33.31	5.52	332	2.09	255	75	12.42	42.0	4.85	2.35	151.1	13.66
SBAC154	30	36	6 m Composite	SC9624	701	27.9	15.21	4.65	32.5	5.5	325	2.12	253	75	12.88	41.9	4.86	2.15	149.9	13.78
SBAC154	36	42	6 m Composite	SC9625	628	27.2	14.18	3.99	30.89	5.5	293	2.01	229	67	12.88	39.2	4.72	2.16	142.2	13.78
SBAC154	42	48	6 m Composite	SC9626	620	29.2	15.44	4.1	30.54	5.59	310	2	240	67	12.12	40.2	4.82	2.43	146.7	13.78
SBAC154	48	54	6 m Composite	SC9627	635	29.5	15.15	3.97	31.24	5.66	315	2.02	247	69	13.34	41.5	4.82	2.49	150.5	15.03
SBAC154	54	60	6 m Composite	SC9628	771	32.8	17.32	4.74	35.5	6.62	386	2.32	287	84	17.64	50.3	5.65	2.54	177.8	16.11
SBAC155	0	6	6 m Composite	SC9629	633	29.2	16.07	3.76	29.74	5.36	334	1.73	232	66	13.65	40.0	4.81	2.38	147.3	13.15
SBAC155	6	12	6 m Composite	SC9630	720	28.7	14.52	3.57	29.51	5.37	372	1.71	255	76	12.27	41.1	4.72	2.11	146.0	12.58
SBAC155	12	18	6 m Composite	SC9631	796	29.6	14.87	4.09	33.43	5.77	419	2.09	280	81	14.88	43.8	5.22	2.28	146.0	13.72
SBAC155	18	24	6 m Composite	SC9632	781	30.6	15.78	3.98	33.08	6.11	418	2.12	276	81	8.9	44.5	5.07	2.3	157.5	13.95
SBAC155	24	30	6 m Composite	SC9633	853	32.4	16.24	3.96	34.81	6.01	454	2.02	295	87	11.04	45.9	5.39	2.46	159.4	14.29
SBAC155	30	36	6 m Composite	SC9634	719	30.2	15.95	3.76	31	6.09	373	2.02	255	75	11.66	42.8	5.38	2.24	158.1	14.01
SBAC155	36	42	6 m Composite	SC9635	641	30.4	16.29	3.79	30.31	6.3	332	2.07	233	67	14.72	38.6	5.1	2.48	160.0	14.29
SBAC155	42	48	6 m Composite	SC9636	760	29.2	15.72	3.43	31.81	5.64	406	2.09	267	78	13.65	42.2	5.14	2.26	154.3	13.72

Hole ID	From	To	Sample Type	Sample No	CeO_2 ppm	Dy_2O_3 ppm	Er_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Ho_2O_3 ppm	La_2O_3 ppm	Lu_2O_3 ppm	Nd_2O_3 ppm	Pr_6O_{11} ppm	Sc_2O_3 ppm	Sm_2O_3 ppm	Tb_4O_7 ppm	Tm_2O_3 ppm	Y_2O_3 ppm	Yb_2O_3 ppm
SBAC155	48	54	6 m Composite	SC9637	1351	35.2	17.38	4.02	42.42	6.63	704	2.16	428	131	13.34	61.7	6.52	2.64	174.6	15.2
SBAC155	54	60	6 m Composite	SC9638	650	29.5	14.75	3.69	28.7	5.49	333	1.75	236	68	12.58	40.4	4.9	2.36	147.9	13.49
SBRC156	0	6	6 m Composite	SC9589	618	20.9	10.95	4.5	25.24	4.01	285	1.84	219	62	13.65	34.4	3.74	1.63	112.1	10.99
SBRC156	6	12	6 m Composite	SC9590	657	22.7	12.06	4.68	28.01	4.25	304	1.83	226	66	13.04	36.5	4	1.83	119.1	11.36
SBRC156	12	18	6 m Composite	SC9591	647	22.0	12.58	4.71	29.05	4.14	311	1.8	245	68	12.27	36.8	4.13	1.69	121.3	10.91
SBRC156	18	24	6 m Composite	SC9592	714	22.7	11.84	4.68	29.39	4.16	332	1.86	251	73	15.95	39.1	4.13	1.77	117.6	11.09
SBRC156	24	30	6 m Composite	SC9593	677	22.1	11.23	4.76	27.66	4.14	319	1.84	244	69	13.96	38.0	3.83	1.7	116.7	10.79
SBRC156	30	36	6 m Composite	SC9594	742	22.9	11.55	4.86	30.43	4.5	349	2.07	262	77	13.5	40.8	4.14	1.83	120.8	11.27
SBRC156	36	42	6 m Composite	SC9595	755	24.1	12.24	5	30.08	4.59	354	2.05	268	78	16.26	42.2	4.19	1.9	128.9	11.73
SBRC156	42	48	6 m Composite	SC9596	875	26.2	13.55	4.99	33.54	4.99	407	2.17	310	88	16.26	49.3	4.67	2.04	140.3	12.81
SBRC156	48	54	6 m Composite	SC9597	737	23.1	12.18	4.9	29.62	4.34	346	1.81	264	76	14.26	41.9	4.1	1.86	123.1	11.67
SBRC156	54	60	6 m Composite	SC9598	753	23.2	12.29	4.97	29.85	4.44	354	1.86	266	77	16.57	39.9	4.26	1.83	124.6	12.07
SBRC156	60	66	6 m Composite	SC9599	701	21.6	11.3	4.89	29.05	4.14	328	1.68	247	72	16.57	37.9	3.93	1.67	110.9	10.42
SBRC156	66	72	6 m Composite	SC9600	640	21.5	11.89	4.46	26.51	4.15	296	2.1	227	65	15.64	34.3	3.72	1.87	120.3	12.53
SBRC156	72	78	6 m Composite	SC9601	466	14.9	9.1	3.13	18.61	3	218	1.66	170	50	14.26	26.9	2.58	1.51	85.0	9.96
SBRC156	78	84	6 m Composite	SC9602	771	24.7	13.61	4.64	32.27	4.8	366	2.07	267	79	19.94	41.8	4.42	2.01	135.2	12.41
SBRC156	84	90	6 m Composite	SC9603	701	25.6	13.32	4.56	31.7	4.97	333	2	261	76	19.63	41.1	4.54	1.96	137.2	13.04
SBRC156	90	96	6 m Composite	SC9604	687	23.8	12.64	4.75	28.93	4.6	325	1.77	246	73	18.1	38.2	4.14	1.83	123.7	11.61
SBRC156	96	102	6 m Composite	SC9605	759	26.9	16.58	4.54	34.69	5.19	367	2.18	276	79	17.49	42.2	4.99	2.04	150.5	14.12
SBRC156	102	108	6 m Composite	SC9606	786	28.4	14.92	4.54	35.15	5.69	371	2.16	282	84	19.48	44.9	5	2.23	151.8	14.29
SBRC156	108	114	6 m Composite	SC9607	699	23.3	11.95	4.41	27.66	4.44	332	1.82	245	73	14.57	37.0	3.98	1.76	118.9	11.61
SBRC156	114	120	6 m Composite	SC9608	617	21.2	10.68	4.65	25.59	4.07	291	1.57	212	64	13.19	33.4	3.67	1.67	106.9	10.69
SBRC156	120	126	6 m Composite	SC9609	698	23.4	12.12	4.84	30.31	4.59	332	1.75	252	74	16.1	37.2	4.13	1.8	123.4	11.79
SBRC156	126	132	6 m Composite	SC9610	641	22.6	12.35	4.94	27.2	4.49	305	1.89	231	69	15.64	34.6	3.96	1.85	121.7	12.01
SBRC156	132	138	6 m Composite	SC9611	622	26.9	14.87	4.33	30.89	5.52	292	2.23	230	67	16.87	39.7	4.78	2.19	149.2	14.18
SBRC156	138	144	6 m Composite	SC9612	721	29.0	16.07	4.35	33.19	5.82	341	2.18	257	76	17.49	39.9	5.14	2.3	157.5	14.8
SBRC156	144	150	6 m Composite	SC9613	697	31.0	16.41	4.48	33.77	6.05	332	2.16	254	76	16.57	42.6	5.28	2.41	164.5	15.43
SBRC156	150	156	6 m Composite	SC9614	705	28.2	15.55	4.19	32.5	5.72	328	2.14	253	75	17.79	41.2	4.9	2.3	156.2	14.12
SBRC156	156	162	6 m Composite	SC9615	615	27.3	15.95	4.03	31.93	5.09	292	2.08	232	65	14.11	36.8	4.76	2.01	147.9	12.7
SBRC156	162	168	6 m Composite	SC9616	840	28.5	14.87	3.93	34.58	5.7	409	2.07	286	87	15.64	45.9	5.09	2.08	151.1	13.95

Hole ID	From	To	Sample Type	Sample No	CeO_2 ppm	Dy_2O_3 ppm	Er_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Ho_2O_3 ppm	La_2O_3 ppm	Lu_2O_3 ppm	Nd_2O_3 ppm	Pr_6O_{11} ppm	Sc_2O_3 ppm	Sm_2O_3 ppm	Tb_4O_7 ppm	Tm_2O_3 ppm	Y_2O_3 ppm	Yb_2O_3 ppm
SBRC156	168	174	6 m Composite	SC9617	1247	41.6	21.67	4.37	48.29	7.95	642	3.07	421	128	19.94	62.5	7.07	3.22	221.0	20.21
SBRC156	174	180	6 m Composite	SC9618	1056	33.6	16.75	4.71	41.84	6.74	520	2.33	356	110	16.57	53.2	6.03	2.51	176.5	15.77
SBAC157	0	6	6 m Composite	SC9639	544	17.3	8.62	4.2	21.09	3.25	308	1.07	215	62	8.44	30.5	3.09	1.19	89.3	7.61
SBAC157	6	12	6 m Composite	SC9640	606	22.0	11.17	3.97	25.93	4.14	305	1.34	238	65	12.73	36.1	4.03	1.67	111.2	9.61
SBAC157	12	18	6 m Composite	SC9641	542	16.7	8.53	4.01	20.52	3.17	286	1.17	201	58	10.12	28.8	2.94	1.44	90.4	7.82
SBAC157	18	24	6 m Composite	SC9642	555	18.2	9.42	4.31	21.38	3.49	296	1.32	198	58	9.51	28.9	3.2	1.51	100.3	8.06
SBAC157	24	30	6 m Composite	SC9643	597	17.2	9.09	4.13	21.09	3.36	308	1.3	210	61	8.9	31.4	3.08	1.35	92.5	8.23
SBAC157	30	36	6 m Composite	SC9644	522	16.8	8.44	4.31	19.77	3.1	270	1.02	185	54	7.21	27.3	3.08	1.26	87.0	7.32
SBAC157	36	42	6 m Composite	SC9645	577	19.9	9.42	3.69	24.32	3.62	298	1.25	211	60	9.51	31.0	3.43	1.51	103.1	8.82
SBAC157	42	48	6 m Composite	SC9646	427	22.6	11.44	3.87	23.97	4.07	215	1.52	166	47	13.04	29.9	3.59	1.69	114.9	9.7
SBAC157	48	54	6 m Composite	SC9647	434	21.6	10.9	4.82	23.17	4.03	214	1.49	173	48	11.35	29.2	3.79	1.6	111.8	9.94
SBAC157	54	60	6 m Composite	SC9648	461	22.3	11.37	4.52	24.44	4.31	229	1.5	183	51	11.81	31.3	3.99	1.61	116.2	10.18
SBAC158	0	6	6 m Composite	SC9649	473	18.0	9.83	3.76	21.44	3.62	283	1.26	191	56	8.74	28.6	3.36	1.4	103.6	8.47
SBAC158	6	12	6 m Composite	SC9650	521	18.3	9.41	3.82	21.78	3.3	270	1.23	195	55	8.59	28.1	3.15	1.42	97.0	8.05
SBAC158	12	18	6 m Composite	SC9651	872	23.1	11.84	4.99	30.2	4.41	449	1.49	308	90	10.74	40.7	4.34	1.77	118.6	10.68
SBAC158	18	24	6 m Composite	SC9652	568	22.3	11.24	4.34	25.59	4.24	281	1.55	214	61	13.04	34.1	3.86	1.64	118.4	9.87
SBAC158	24	30	6 m Composite	SC9653	545	20.4	10.49	3.99	24.09	4.16	271	1.34	205	59	9.2	32.4	3.52	1.51	107.1	10.17
SBAC158	30	36	6 m Composite	SC9654	655	23.3	11.66	4.67	26.05	4.26	328	1.48	246	69	11.5	37.0	4.12	1.66	119.8	10.25
SBAC158	36	42	6 m Composite	SC9655	598	20.5	10.76	4.39	26.28	3.79	278	1.34	201	62	8.9	34.0	3.63	1.44	105.7	8.86
SBAC158	42	48	6 m Composite	SC9656	598	22.7	11.17	4.77	26.16	4.24	300	1.32	227	63	9.05	35.3	4.09	1.76	113.4	10.02
SBAC158	48	54	6 m Composite	SC9657	580	23.0	11.61	4.7	25.82	4.2	287	1.43	226	62	12.27	36.8	3.87	1.71	120.3	10.56
SBAC158	54	60	6 m Composite	SC9658	287	14.8	8.35	3.65	16.89	2.91	141	1.26	119	32	11.5	20.2	2.59	1.31	81.9	7.24