Exceptional Drilling Results at Stallion REE Project

Key Highlights

- *Standout results from the assays include[1]:*
  - ***STRC014: 23m @ 2,162.45 ppm TREO from 24m***
  - ***STRC012: 15m @ 3,088.84 ppm TREO from 39m***
  - ***STRC011: 17m @ 3,783.4 ppm TREO from 61m***
    inc. ***1m @ 1.52% TREO from 73m***
- *Drilling has outlined a broad, relatively shallow mineralised zone that measures 1km x 1.25km, with a thickness averaging 18m and grade averaging ~1,750ppm TREO.*
- *Critical permanent magnet metals, neodymium (Nd) and praseodymium (Pr), or NdPr, averages 23.63% - substantially above the industry average of ~16%.*
- *Intersections carry inconsequential levels of phosphorous, uranium and thorium.*
- *The mineralised zone is open in all directions, and only the lack of drilling limits its scale.*
- *A stage 2 programme of works has been approved for additional drilling to further expand on the intersected mineralisation at the Stallion REE Project.*

Commenting on the drilling results, Managing Director Jonathan King said,

> *"We are delighted to have generated such compelling numbers from much shallower depths than those encountered in the earlier Manhattan Corporation drilling. The step-out drilling produced several suitably wide intersections and total rare earth oxide (TREO) grades exceeding 1,000 ppm, with a peak value of 1.52% TREO. Other notable results include the high ratios of valuable, critical magnet metals, neodymium (Nd) and praseodymium (Pr), and dysprosium (Dy) and terbium (Tb), averaging 24.95% ((NdPr) + (DyTb)). The scale potential is vast with the indicated mineralisation on a 1km x 1.25km grid. It remains open in all directions, and the trend pushes into our adjacent application (E28/3241).*
>
> *It is early days, but the Company may have identified a significant Ion Adsorption Deposit. This is a fantastic result for the Company in its maiden drilling program since IPO, and we are looking forward to Stage 2 of the drilling campaign".*

1. See Table 1 and Competent Persons Statement on page 7, Appendix 2 and JORC Tables on Page 8.

Summit Minerals Limited (ASX: SUM) ("Summit" or "the Company") is pleased to report receiving exceptional assay results from its proof-of-concept drilling at the Stallion REE Project. The results (Table 1, Appendix 1) validate and significantly improve upon the historical drilling results of Manhattan Corporation (ASX: MHC). Above all, the step-out drilling, mainly west of the palaeochannel, has outlined a kilometre square zone of potential REE mineralisation that remains open in all directions. The mineralisation conceivably trends west to northwest into the company's adjacent application, E28/3241, providing substantial scale to the opportunity. The drilling program involved 177 weathered bedrock samples from 14 holes for 741 metres.

Table 1 - Significant drilling results

DrillHole	EastMGA51	NorthMGA51	Depth	From	Width (m)	TREO_Ave
STRC001	514662.768	6657999.37	48	34	9	555.42
STRC002	514882.101	6658134.82	60	48	2	1096.06
STRC003	515589.179	6657157.58	60	38	28	880.71
			including	38	**8**	**1030.00**
STRC004	515361.526	6656983.82	48	26	22	952.64
			including	30	**18**	**1088.06**
STRC005	516761.003	6657810.2	60	42	3	1030.29
STRC006	516590.014	6657706.4	108	78	**17**	**1089.96**
STRC011	515576.257	6657545.22	78	61	**17**	**3783.40**
			including	73	1	15223 (1.52%)
STRC012	515336.379	6657444.39	54	39	**15**	**3088.84**
STRC013	514748.92	6657126.38	48	32	15	735.84
STRC014	514629.279	6657065.82	52	24	**23**	**2162.45**
			including	24	13	3476.77

*Applied cut-offs - 450ppm TREO and 1000ppm TREO

Background information

Rare earths are amongst the most resource-critical raw materials: they are of the highest economic importance and, at the same time, feature a high supply risk, as China dominates the supply chain.

Ion Adsorption Deposits (IAD) are a significant source of Heavy Rare Earth Elements (Gd – Lu; HREE) to global markets. They are formed by weathering igneous rocks (typically granites) containing certain REE-bearing minerals, such as sphene, zircon, apatite, and the REE fluorcarbonates, eudialyte and allanite. Due to surface weathering, the REE minerals decompose, and the released REEs are absorbed by clay minerals such as halloysite and kaolinite in the upper regolith. Most currently known IADs are hosted in thick regolith profiles developed in various granitic rocks that have experienced varying degrees of metasomatic alteration.

The absorbed REEs are recovered by a dilute electrolyte solution such as ammonium sulphate solution and precipitated by oxalic acid solution. Because the mining and recovery processes

are simple and inexpensive, REEs are commercially produced from low-grade (typically up to 2000 ppm REE) weathered clays.

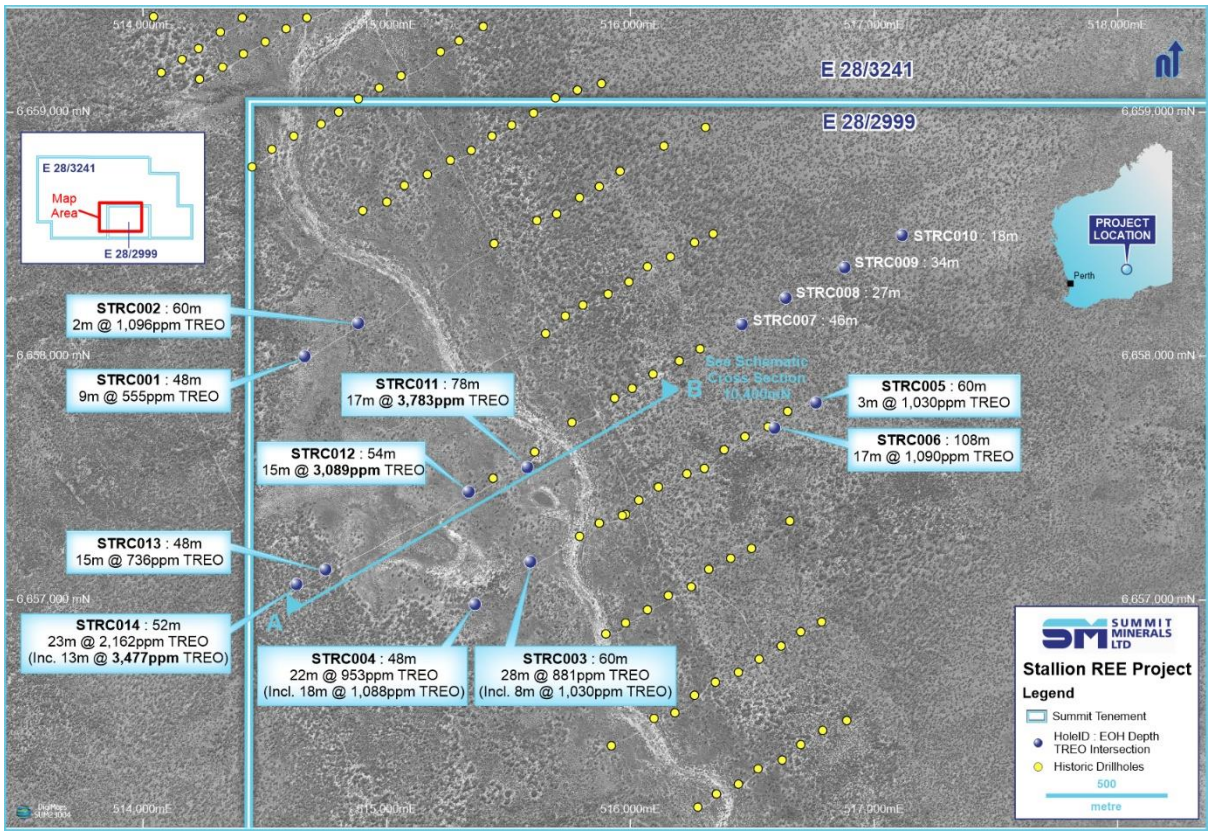

Figure 1 – Drill hole location plan with drilling intercepts and tenements.

Results Review

Summit's drilling has outlined a broad mineralised zone of rare earth oxides (REO) that measures 1km x 1.25km, with a thickness averaging 18m and grade averaging ~1,750ppm TREO (utilising a 450 ppm TREO cut-off). The zone remains open in all directions, with the intersected mineralisation presenting as a broad wedge that shallows westward away from the palaeochannel, towards the company's adjacent tenement application, and thickens to the south. The clay-rich upper sections of the weathering profile, where IADs mostly form, are mostly absent at Stallion. Thus, the elevated TREO are present in the base of the locally preserved upper regolith, at the redox zone (an approximation of the water table) and in the lower saprolite (Figure 2). The grade generally peaks towards the redox front, where the iron and clay contents are greatest and lessens (but not always) with depth. However, the nature of the host remains unclear.

Unlike many potential Ion Adsorption plays, Stallion is dominated by LREE (Table 2), including cerium, lanthanum, neodymium, praseodymium, and scandium. Yttrium is the only heavy rare earth contributing significantly to the TREO pool. Weak enrichment in phosphorous, uranium, thorium, scandium, iron, and aluminium accompany TREO enrichment. The tenor of the deleterious elements (uranium and thorium) is insignificant.

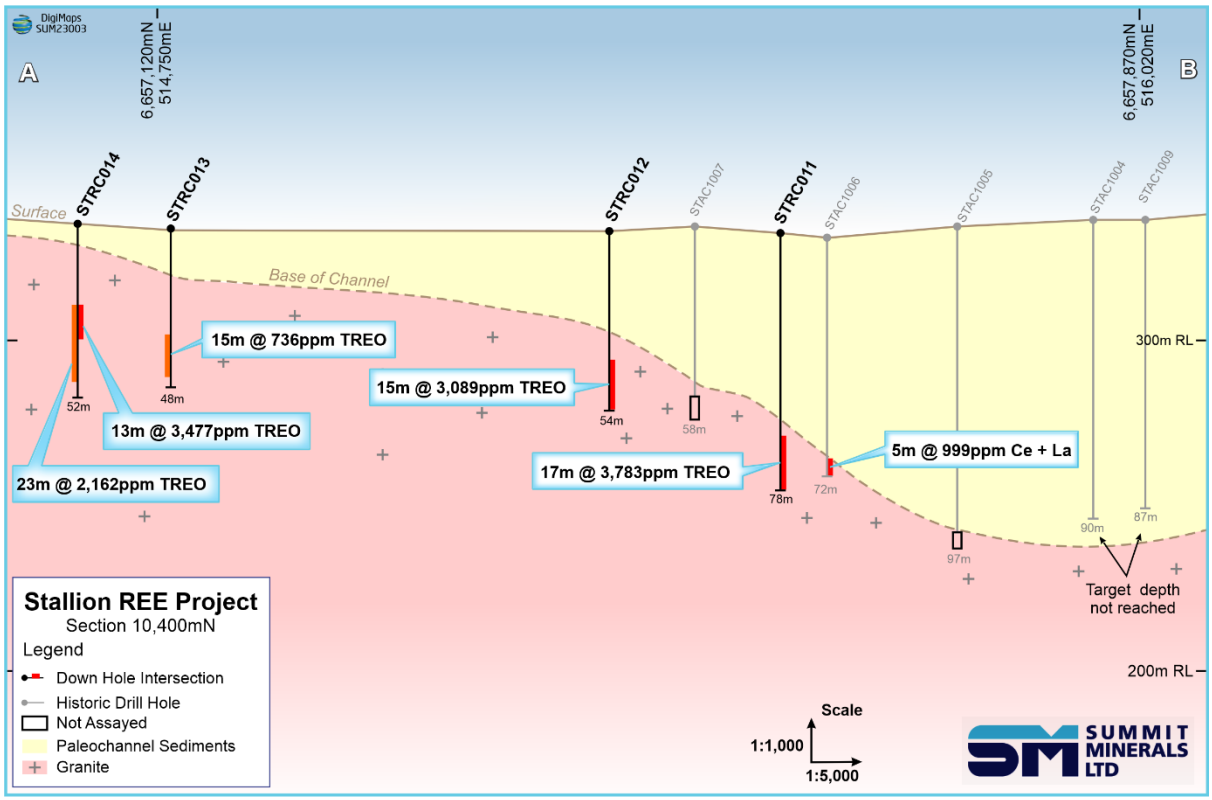

Figure 2 – New and historical drilling with intersections.

Table 2 - Descriptive statistics

Oxide/Element	Mean	Std. Dev.	Std. Error	Minimum	Maximum	Count
TREO_ppm	674.833	1566.42	120.852	9.7	15226.08	168
CeO_2	265.904	721.567	55.67	2.309	7689.784	168
Dy_2O_3	6.363	8.66	0.668	0.39	63.238	168
Er_2O_3	2.882	3.297	0.254	0.252	21.269	168
Eu_2O_3	3.207	6.86	0.529	0.058	49.79	168
Gd_2O_3	10.868	19.14	1.477	0.323	131.396	168
Ho_2O_3	1.129	1.424	0.11	0.08	10.057	168
La_2O_3	166.445	394.392	30.428	1.255	3412.848	168
Lu_2O_3	0.347	0.32	0.025	0.045	1.569	168
Nd_2O_3	125.45	301.068	23.228	0.886	2577.744	168
Pr_2O_3	36.948	92.753	7.156	0.222	869.533	168
Sm_2O_3	17.854	37.713	2.91	0.29	259.75	168
Tb_2O_3	1.354	2.094	0.162	0.058	15.078	168
Tm_2O_3	0.39	0.406	0.031	0.046	2.456	168
Y_2O_3	33.389	41.076	3.169	2.502	251.44	168
Yb_2O_3	2.303	2.17	0.167	0.307	11.956	168
Ca	4194.071	5425.788	418.609	38	27200	168
Mg	2804.375	2435.688	187.917	332	14900	168
P	281.143	366.386	28.267	24	4340	168
S	945.607	2012.971	155.304	-0.001	19200	168
Th	34.623	52.386	4.042	4.99	478	168
U	8.902	15.138	1.168	1.48	183	168

Critical permanent magnet metals, neodymium (Nd) and praseodymium (Pr), or NdPr, averages 23.63% - substantially above the industry average of ~16%. Dysprosium (Dy) and terbium (Tb), or DyTb averages 1.32%. The combined ratio of the highest value, critical magnet metals: NdPr, DyTb, + Sm, Gd, and Ho, averages 29.68%.

The world's most powerful electric motors, used in wind turbines and electric vehicles, rely on the critical and valuable magnet rare earths: neodymium, praseodymium, and dysprosium.

Next Steps

Summit will use the existing coarse reject from the recent drilling to undertake accelerated metallurgical and mineralogical programs to progress towards a geometallurgical model for Stallion. The company will utilise the available POW-approved drilling to build further certainty and definition within the identified zone as a precursor to developing its potential maiden resource.

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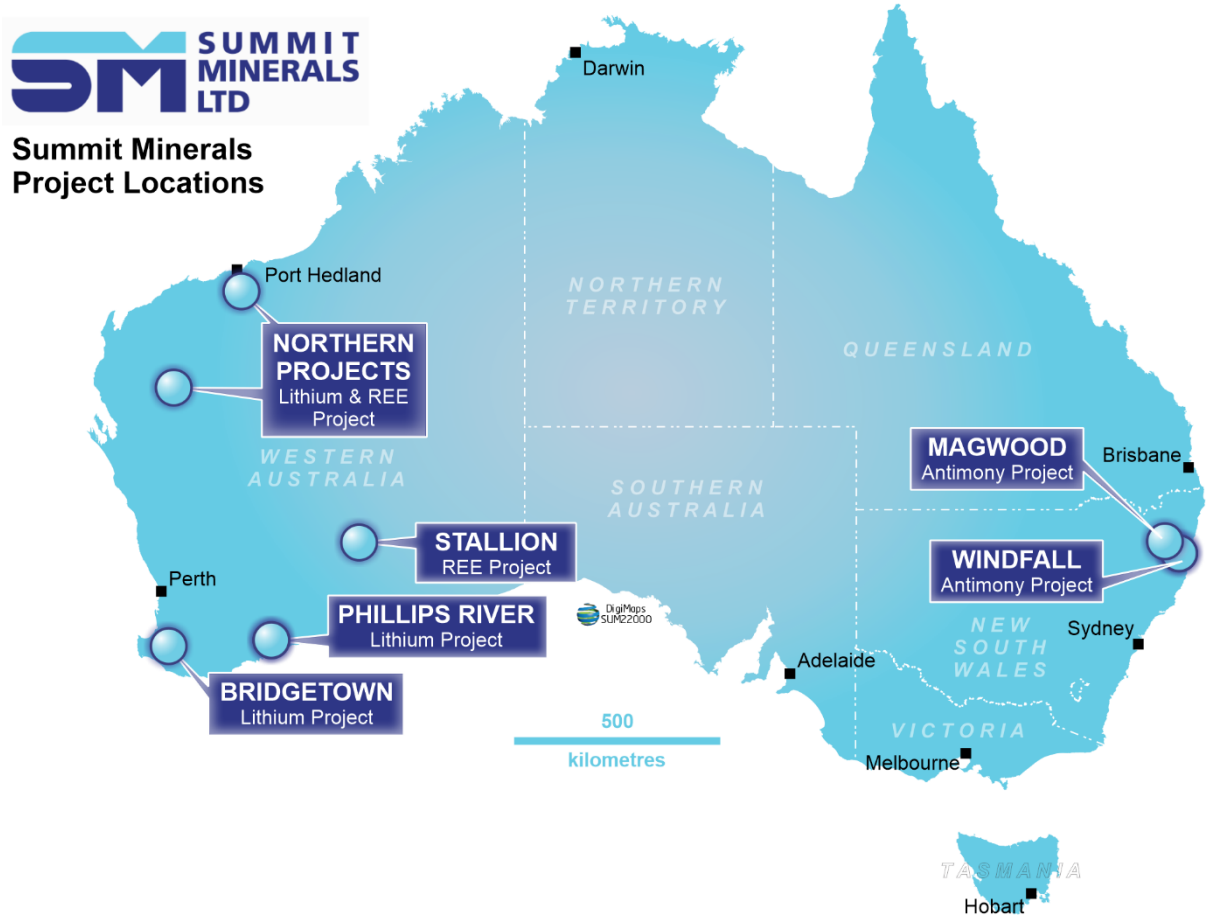

Figure 2: Summit Minerals' project locations

This announcement is authorised for release by the Board of Summit Minerals Limited.

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About Summit Minerals Limited

Summit Minerals Limited is an Australian-focused ASX-listed battery mineral exploration company with a portfolio of projects in demand-driven commodities. It is focused on systematically exploring and developing its projects to delineate multiple JORC-compliant resources.

Summit's projects include the Windfall and Magwood Antimony Projects in the antimony-gold province of the southern New England Fold Belt region in NSW, the Stallion REE Project in Ponton River WA, the Phillips River Lithium Project in Ravensthorpe WA, the Bridgetown Lithium Project in Bridgetown WA, strategically located along strike of Talison's Greenbushes Mine and the Northern REE / Lithium Projects in Gascoyne and Pilbara WA. Through focus, diligence and execution, the board of Summit Minerals is determined to unlock previously unrealised value in our projects.

Competent Person Statement

The information related to Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves is based on data compiled by Jonathan King, a Competent Person who is a Member of The Australian Institute of Geoscientists. Jonathan King is a director of Collective Prosperity Pty Ltd. Jonathan King has sufficient experience that is relevant to the style of mineralisation and type of deposits 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 Reporting of Exploration Results, Mineral Resources and Ore Reserves. Jonathan King consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.

Forward-Looking Statements

This announcement contains 'forward-looking information based on the Company's expectations, estimates and projections as of the date the statements were made. This forward-looking information includes, among other things, statements concerning the Company's business strategy, plans, development, objectives, performance, outlook, growth, cash flow, projections, targets and expectations, mineral reserves and resources, results of exploration and related expenses. Generally, this forward-looking information can be identified by the use of forward-looking terminology such as 'outlook', 'anticipate', 'project', 'target', 'potential', 'likely', 'believe', 'estimate', 'expect', 'intend', 'may', 'would', 'could', 'should', 'scheduled', 'will', 'plan', 'forecast', 'evolve' and similar expressions. Persons reading this announcement are cautioned that such statements are only predictions and that the Company's results or performance may differ materially. Forward-looking information is subject to known and unknown risks, uncertainties and other factors that may cause the Company's actual results, level of activity, performance, or achievements to materially differ from those expressed or implied by such forward-looking information.

Appendix 1: JORC Code, 2012 Edition- Section 1- Stallion REO-U Project

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Comment
Sampling techniques	*Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.*	Samples were spear sampled, with approximately 3kg per sample collected. Samples were taken to geological boundaries, mostly as two metre composites with the occasional three. Samples were pulverised and sent for MMA04 62 element analysis suite at Labwest Mineral Analysis in Perth.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	Samples were dropped as piles and spear sampled through the middle
	Aspects of the determination of mineralisation that are Material to the Public Report.In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.	*Reverse circulation drilling was used to obtain 1 m samples from which 3 kg was collected, pulverised to produce a 30 g charge for* ICP-MS Sampling was restricted to base of the cover sequence and into the underlying bedrock to the saprock/bedrock boundary, where holes terminated.
Drilling techniques	*Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg 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).*	Reverse Circulation, 5.5" diameter holes, face sampling hammer – Kennedy Drilling
Drill sample recovery	*Method of recording and assessing core and chip sample recoveries and results assessed.*	Excellent recovery of weathered granitic bedrock returned for assay
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	No measures were taken
	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 issues identified during drilling program
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.*	All holes were 100% geologically logged to an appropriate level of detail with respect to the style of mineralisation. Holes were logged to a minimum of 1m scale
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.	1m samples were geologically logged
	The total length and percentage of the relevant intersections logged.	All holes were 100% geologically logged

Criteria	JORC Code explanation	Comment
NSub-sampling techniques and sample preparation	*If core, whether cut or sawn and whether quarter, half or all core taken.*	Reverse circulation spoil was dumped in 1 m increments. Representative chip samples were taken from piles for the sampled intervals and captured in chip trays for further study.
	If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.	Samples were collected using a spear
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	Samples were dried and pulverised
	Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	Lab inserted certified standards as well as field duplicates were used to monitor performance.
	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.	Assay results passed the company's internal QAQC process
	Whether sample sizes are appropriate to the grain size of the material being sampled.	Sample sizes were considered appropriate for the grain size of the material being sampled.
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.*	A certified laboratory, Labwest was used for all analysis of drill samples submitted. The laboratory techniques below are for all samples submitted and are considered appropriate for the style of mineralisation LabWest technique - MMA04 - microwave-assisted, HF-based digestion with ICP-MS determination for 62 elements
	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 instruments used
	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.	Laboratory-certified standards, blank samples and field duplicates were inserted at regular intervals and some duplicate samples were taken for QC checks.
Verification of sampling and assaying	*The verification of significant intersections by either independent or alternative company personnel.*	No verification was undertaken
	The use of twinned holes.	Two holes twined earlier MHC drilling progressing similar tenor of results at approximately the depth, but SUM holes produce greater thickness. MHC sampling was determined by scintillometer, whereas SUM sampling was geologically controlled, providing a different outcome.
	Discuss any adjustment to assay data.	No sampling identified
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.*	Holes were surveyed by a hand held GPS within 5m accuracy.
	Specification of the grid system used.	MGA94 Zone 51
	Quality and adequacy of topographic control.	SRTM data was used to provide topographic control
Data spacing	*Data spacing for reporting of Exploration Results.*	Drilling was conducted on pre-established 400m line spaced grid.

Criteria	JORC Code explanation	Comment
and distribution		Data spacing is suitable for early exploration reporting of results.
	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.	No resource identified at this point.
	Whether sample compositing has been applied.	Sampling was to geological intervals, mostly as 2 m composites and rarely as three or 1m where a boundary was encountered.
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 mineralisation is interpreted to be a relatively flat lying tabular body that follows the contour of the land surface. All holes being vertical intersect the mineralisation perpendicular to its orientation.
	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.	All intercepts are true width
Sample security	*The measures taken to ensure sample security.*	The samples were delivered by company personnel directly to Labwest in Perth.
Audits or reviews	*The results of any audits or reviews of sampling techniques and data.*	No audits were conducted

Appendix 1: JORC Code, 2012 Edition- Section 2 - Stallion REO-U Project

Section 2 Reporting of Exploration Results

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code 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 Stallion Project comprises one granted Exploration License E28/2999 for an area of 18sqkm.
	· *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 held 100% by Bow Island Resources Pty Ltd, a wholly owned subsidiary of Summit Minerals Ltd.
Exploration done by other parties	· *Acknowledgment and appraisal of exploration by other parties.*	The Stallion Project is an extension of the Ponton Project held by Manhattan Corporation Limited that includes several uranium mineralised zones for which Mineral Resource Estimates and Exploration Target Estimates have previously been compiled and released to the ASX. The Stallion Project (E28/2999) lies north of the Stallion South area and includes parts of the Stallion Uranium Inferred Mineral Resource
Geology	· *Deposit type, geological setting and style of mineralisation.*	The Ponton Project area is underlain by tertiary palaeochannels within the Gunbarrel Basin that are highly prospective for uranium. Elevated REO geochemistry within the base of the paleochannel and underlying granitoid basement suggests the project is highly prospective for REO mineralisation. The current drilling round confirms the REO prospectivity, but little is understood about the nature of the REE host as it differs from similar Ion-Absorption Deposits (IAD), which tend to sit higher in the weathering profile.
Drill hole Information	· *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:*	All holes were vertical reverse circulation holes drilled on a pre-existing 400m line spaced grid. Each hole was individually positioned to meet the objectives of the drilling program, so hole spacing is variable
	o *easting and northing of the drill hole collar*	MGA94 Zone 51co-ordinates were used
	o *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*	SRTM data was used for elevation control
	o *dip and azimuth of the hole*	All holes were drilled vertically

Criteria	JORC Code explanation	Commentary
	o *down hole length and interception depth*	Holes were logged throughout their length and generally sampled through the base of the cover sequence and into the underlying weathered bedrock. Holes were terminated near the saprock/fresh boundary
	o *hole length.*	Variable
	· *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.*	Not applicable
Data aggregation methods	· *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.*	Several significant intercepts reported, with a lower cut-off >450ppm applied for TREO results. All analysed REE and their oxides were considered to calculate total rare earth oxides (TREO) TREO per interval is calculated by summing values received for the individual REE analyses in that interval
	· *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.*	Aggregation occurred with all contiguous individual intervals (of various composite widths) exceeding 450ppm TREO summed. A further aggregation considered all results exceeding 1000ppm TREO. The same aggregation method was applied.
	· *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	No metal equivalents calculated.
Relationship between mineralisation widths and intercept lengths	· *These relationships are particularly important in the reporting of Exploration Results.*	Not applicable
	· *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.*	Drilling is perpendicular to the strike of the palaeochannel, as MHC were targeting secondary uranium mineralisation within the channel, and we are utilising their grid. We have not ascertained whether this is the most favourable orientation for drilling.
	· *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').*	Downhole lengths are equivalent to true widths of mineralisation.
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.*	All are included within body of the report.

Criteria	JORC Code explanation	Commentary
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.*	Intervals above 450ppm TREO and 1000ppm TREO were tabled Individual assays for the entire drill program are included in Appendix 2. All drill collars were reported in earlier market releases.
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.*	Assay coarse rejects will be considered for use in preliminary metallurgical testwork which is to follow.
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).*	Further drilling will be required to ascertain the REE distribution and the likely controls on mineralisation. Second phase drilling already has received POW approval.
	· *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	Based on the coarse drill spacing and indicated REE distribution, it does appear as though the target horizon is trending west to northwest.

Hole_id	From	To	Samp_id	Lith1	TREO_ppm	CeO2	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr2O3	Sm2O3	Tb2O3	Tm2O3	Y2O3	Yb2O3	Ca	Sc	Th	U
STRC001	15	18	S001	Tcl	33.90	13.39	0.88	0.56	0.19	0.81	0.18	7.66	0.09	2.73	0.95	0.66	0.14	0.08	5.03	0.56	226.00	6.00	19.60	3.15
STRC001	18	20	S002	Fg	25.34	5.81	1.34	0.81	0.20	0.99	0.29	2.23	0.15	2.16	0.56	0.65	0.22	0.13	8.93	0.89	239.00	5.00	25.80	4.58
STRC001	20	22	S003	Fg	19.07	5.04	1.01	0.61	0.19	0.73	0.21	1.60	0.11	1.49	0.40	0.51	0.14	0.10	6.27	0.67	698.00	6.00	21.60	5.69
STRC001	22	24	S004	Fg	90.16	32.92	2.55	1.58	0.42	2.31	0.54	14.43	0.23	11.27	3.37	2.11	0.43	0.25	16.25	1.51	3920.00	5.00	29.80	5.35
STRC001	24	26	S005	Fg	244.92	94.96	4.21	2.24	0.98	5.15	0.82	51.02	0.27	39.31	12.52	6.59	0.81	0.31	24.00	1.73	7900.00	5.00	35.10	6.47
STRC001	26	28	S006	Fg	296.51	118.17	4.66	2.22	1.15	5.62	0.84	66.50	0.24	46.77	14.75	7.69	0.85	0.31	25.02	1.73	7520.00	4.00	37.00	6.26
STRC001	28	30	S007	Fg	493.91	185.49	8.09	3.91	1.82	10.40	1.51	113.06	0.45	80.13	24.69	13.34	1.51	0.56	45.84	3.11	7380.00	4.00	38.00	8.59
STRC001	30	32	S008	Fg	362.99	132.67	6.34	3.33	1.25	7.85	1.24	83.15	0.42	57.04	17.79	9.51	1.16	0.47	38.10	2.69	6460.00	3.00	29.60	6.56
STRC001	32	34	S009	Fg	460.96	171.98	6.96	3.20	1.61	9.54	1.24	107.08	0.35	80.95	24.81	13.22	1.37	0.45	35.68	2.53	5560.00	5.00	29.00	8.08
STRC001	34	36	S010	Fg	583.98	235.85	8.05	3.76	2.12	11.11	1.48	125.49	0.41	101.24	30.08	15.07	1.57	0.51	44.32	2.92	5480.00	6.00	31.20	13.00
STRC001	36	38	S011	Fg	492.51	203.91	6.73	3.24	1.59	9.68	1.23	110.13	0.31	77.22	23.52	12.64	1.35	0.43	38.22	2.32	6850.00	6.00	33.10	9.94
STRC001	38	40	S012	Fg	639.34	284.99	7.92	3.27	2.00	12.22	1.35	139.56	0.31	97.04	29.73	16.00	1.63	0.45	40.76	2.11	3630.00	7.00	42.20	10.40
STRC001	40	43	S013	Fg	505.86	214.97	8.03	3.87	1.59	10.48	1.49	103.91	0.36	72.78	22.12	12.76	1.53	0.49	49.02	2.47	7230.00	8.00	32.30	11.50
STRC001	43	46	S014	Fg	225.95	92.50	4.18	2.18	0.67	5.08	0.81	45.50	0.25	31.14	9.28	5.61	0.77	0.29	26.16	1.51	6220.00	4.00	23.90	10.20
STRC001	46	48	S015	Fg	245.85	104.91	4.12	1.99	0.73	5.15	0.77	50.20	0.23	34.18	10.59	5.84	0.74	0.29	24.51	1.62	8660.00	4.00	29.70	8.58
STRC002	45	47	S016	Tcl	114.31	48.40	1.09	0.50	0.46	1.57	0.19	28.97	0.08	18.20	5.93	2.68	0.21	0.08	5.50	0.46	186.00	2.00	11.00	1.48
STRC002	47	48	S017	Tcl	232.89	94.22	2.83	1.29	1.16	4.33	0.48	54.54	0.15	40.47	12.29	6.10	0.59	0.18	13.21	1.05	215.00	4.00	17.40	3.41
STRC002	48	50	S018	Tcl	1096.06	146.18	25.71	13.38	8.13	33.89	4.96	321.35	1.47	248.44	71.86	41.51	4.77	1.91	162.55	9.98	385.00	7.00	24.40	11.70
STRC002	50	52	S019	Fg	494.72	196.54	8.93	4.73	1.86	10.25	1.72	106.72	0.57	68.35	20.13	11.42	1.52	0.69	57.53	3.76	7550.00	8.00	16.80	7.04
STRC002	52	54	S020	Fg	152.69	59.33	2.90	1.69	0.67	3.37	0.58	30.38	0.23	21.81	6.41	4.24	0.53	0.25	18.79	1.49	5910.00	4.00	14.90	3.49
STRC002	54	55	S021	Fg	275.70	115.47	4.12	2.28	1.30	5.04	0.78	56.29	0.30	43.86	12.76	6.73	0.71	0.32	23.87	1.89	8300.00	6.00	20.10	3.67
STRC002	55	57	S022	Fg	267.21	113.14	4.10	2.44	1.24	4.89	0.85	53.48	0.32	40.59	12.05	6.26	0.75	0.37	24.64	2.12	8520.00	6.00	21.90	5.65
STRC002	57	60	S023	Fg	238.06	97.53	4.42	2.62	1.02	5.21	0.89	46.79	0.36	32.78	10.02	6.00	0.82	0.39	26.92	2.29	7740.00	6.00	18.50	6.38
STRC003	38	40	S024	Tcl	862.71	426.25	6.68	4.00	2.66	9.76	1.35	179.44	0.66	129.47	41.66	17.16	1.31	0.66	37.46	4.17	506.00	8.00	97.80	6.29
STRC003	40	42	S025	Tcl	905.52	456.96	5.96	3.43	2.54	8.93	1.13	193.51	0.60	132.97	43.89	16.70	1.16	0.56	33.65	3.52	1190.00	10.00	94.60	6.08
STRC003	42	44	S026	Fg	2295.24	907.79	23.64	11.89	10.07	39.30	4.51	606.34	1.40	362.75	103.10	52.88	4.91	1.64	156.20	8.80	8420.00	19.00	58.80	4.36
STRC003	44	47	S027	Fg	817.77	273.93	9.00	3.87	5.47	16.60	1.55	199.38	0.44	183.12	51.26	27.25	1.93	0.51	40.51	2.95	6840.00	14.00	35.20	3.35
STRC003	47	48	S028	Fg	849.52	304.64	6.36	2.42	4.97	12.45	1.00	191.17	0.28	207.62	61.32	29.57	1.50	0.35	23.75	2.12	1320.00	25.00	47.50	4.40

Hole_id	From	To	Samp_id	Lith1	TREO_ppm	CeO2	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr2O3	Sm2O3	Tb2O3	Tm2O3	Y2O3	Yb2O3	Ca	Sc	Th	U
STRC003	48	49	S029	Fg	481.14	170.75	4.72	2.16	2.92	8.10	0.82	110.13	0.28	109.52	31.72	16.23	1.00	0.32	20.57	1.89	2660.00	18.00	28.60	2.84
STRC003	49	50	S030	Fg	460.42	181.80	4.94	3.05	2.15	6.83	0.97	104.50	0.57	84.68	25.75	11.94	0.90	0.53	28.45	3.36	1620.00	12.00	59.30	4.51
STRC003	50	53	S031	Fg	1567.71	770.21	10.89	5.02	6.91	19.13	1.95	315.48	0.56	262.44	76.65	35.02	2.38	0.70	56.51	3.85	10000.00	16.00	17.10	5.53
STRC003	53	55	S032	Fg	622.19	261.65	7.46	3.93	3.06	11.32	1.45	137.22	0.51	97.98	27.97	14.73	1.47	0.57	49.78	3.09	7880.00	9.00	17.00	7.89
STRC003	55	57	S033	Fg	614.33	266.56	8.32	4.32	3.01	11.64	1.59	134.87	0.55	90.40	26.45	15.07	1.66	0.61	45.72	3.56	13200.00	9.00	13.10	5.62
STRC003	57	58	S034	Fg	555.81	259.19	6.32	2.88	2.92	9.81	1.15	121.97	0.33	80.02	23.29	13.10	1.31	0.39	30.99	2.14	10800.00	5.00	10.00	5.83
STRC003	58	60	S035	Fg	536.20	230.94	8.72	4.25	3.16	12.10	1.66	115.40	0.61	77.33	22.00	13.45	1.68	0.62	40.51	3.75	15700.00	10.00	22.30	9.70
STRC004	10	12	S037	Tcl	31.50	11.40	0.69	0.35	0.21	0.71	0.14	6.84	0.07	4.25	1.25	0.74	0.13	0.07	4.19	0.47	2610.00	9.00	8.08	2.27
STRC004	12	13	S038	Tsd	28.75	10.29	0.65	0.48	0.19	0.63	0.16	5.75	0.07	3.85	1.14	0.67	0.12	0.07	4.14	0.55	616.00	9.00	26.60	3.10
STRC004	13	15	S039	Fg	17.52	5.63	0.54	0.34	0.12	0.46	0.10	3.42	0.07	1.84	0.55	0.48	0.08	0.07	3.33	0.49	312.00	8.00	19.40	2.17
STRC004	15	18	S040	Fg	13.93	4.25	0.54	0.34	0.09	0.41	0.10	2.31	0.07	1.48	0.41	0.38	0.08	0.05	3.00	0.41	182.00	8.00	24.30	3.46
STRC004	18	20	S042	Fg	12.07	3.59	0.47	0.30	0.07	0.36	0.09	2.03	0.06	1.27	0.39	0.36	0.07	0.05	2.62	0.36	175.00	6.00	16.20	2.95
STRC004	20	22	S043	Fg	20.59	6.47	0.60	0.38	0.14	0.63	0.11	3.71	0.06	3.02	0.81	0.64	0.12	0.06	3.43	0.42	263.00	8.00	46.80	3.22
STRC004	22	24	S044	Fg	73.32	23.22	0.90	0.47	0.31	1.26	0.17	26.86	0.07	10.00	3.01	1.43	0.18	0.06	4.90	0.50	1020.00	11.00	9.45	1.88
STRC004	24	26	S045	Fg	208.36	88.94	0.84	0.34	0.41	1.26	0.13	85.73	0.05	17.38	7.01	2.06	0.16	0.06	3.64	0.36	1490.00	17.00	6.93	3.55
STRC004	26	28	S046	Fg	630.67	267.79	4.49	1.64	2.51	7.43	0.68	182.96	0.18	98.56	32.30	13.92	0.96	0.24	15.62	1.40	4010.00	19.00	13.30	4.57
STRC004	28	30	S047	Fg	462.06	201.46	4.91	1.97	2.54	8.28	0.81	89.84	0.24	88.18	26.33	13.22	1.07	0.26	21.08	1.88	6570.00	10.00	19.80	3.20
STRC004	30	32	S048	Fg	837.15	310.79	9.82	4.11	4.71	16.37	1.70	180.61	0.48	178.46	51.61	25.86	2.09	0.56	46.48	3.51	14700.00	17.00	11.00	7.20
STRC004	32	34	S049	Fg	1618.40	272.70	21.23	8.12	10.77	37.34	3.55	544.18	0.81	435.07	125.22	60.18	4.72	1.03	87.50	5.98	13200.00	20.00	21.30	9.23
STRC004	34	36	S050	Fg	599.87	187.95	9.80	3.90	3.82	15.91	1.70	147.77	0.41	125.97	34.41	21.10	2.12	0.51	41.27	3.23	16700.00	30.00	6.18	19.70
STRC004	36	38	S051	Fg	1425.93	740.73	14.81	6.80	5.84	21.90	2.59	252.15	0.90	204.12	59.69	33.28	2.94	0.95	73.02	6.23	13600.00	19.00	21.60	21.30
STRC004	38	40	S052	Fg	1069.26	560.15	12.62	5.27	5.28	18.67	2.16	181.78	0.71	149.30	41.66	26.32	2.54	0.75	56.89	5.14	20200.00	16.00	9.22	17.20
STRC004	40	41	S053	Fg	345.29	160.92	4.66	2.32	1.49	6.73	0.89	65.09	0.35	49.92	14.75	8.51	0.92	0.33	26.16	2.23	6390.00	17.00	12.40	15.10
STRC004	41	43	S054	Fg	242.79	104.66	3.56	1.62	1.01	5.18	0.63	49.61	0.22	37.32	10.65	6.25	0.70	0.22	19.68	1.48	1950.00	7.00	22.00	4.73
STRC004	43	45	S055	Fg	120.36	47.42	2.33	1.12	0.63	2.99	0.41	23.46	0.17	18.31	5.13	3.46	0.43	0.17	13.21	1.15	3580.00	3.00	24.80	4.46
STRC004	45	47	S056	Fg	300.45	133.90	3.91	1.73	2.07	6.26	0.68	50.66	0.24	55.17	14.28	9.33	0.79	0.26	19.43	1.73	5170.00	9.00	21.80	5.36
STRC004	47	48	S057	Fg	977.75	493.82	10.12	3.98	5.20	16.14	1.67	171.23	0.47	155.13	45.52	25.74	2.11	0.50	42.67	3.45	27200.00	25.00	8.50	17.90
STRC005	22	25	S058	Fg	16.33	4.91	0.54	0.42	0.13	0.47	0.13	2.22	0.09	1.85	0.55	0.46	0.10	0.07	3.85	0.54	223.00	6.00	23.80	1.78

Hole_id	From	To	Samp_id	Lith1	TREO_ppm	CeO2	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr2O3	Sm2O3	Tb2O3	Tm2O3	Y2O3	Yb2O3	Ca	Sc	Th	U
STRC005	25	27	S059	Fg	11.58	3.32	0.49	0.33	0.09	0.38	0.11	1.40	0.07	1.24	0.36	0.39	0.08	0.06	2.78	0.48	154.00	10.00	30.20	2.03
STRC005	27	29	S060	Fg	15.09	3.51	0.63	0.47	0.12	0.46	0.15	2.03	0.11	1.40	0.40	0.32	0.08	0.09	4.56	0.75	1460.00	7.00	14.60	1.83
STRC005	29	32	S061	Fg	21.02	4.89	0.85	0.64	0.24	0.56	0.18	3.42	0.11	2.51	0.68	0.59	0.12	0.10	5.37	0.74	3030.00	4.00	11.60	1.74
STRC005	32	35	S063	Fg	26.91	5.58	0.92	0.64	0.21	0.76	0.18	5.97	0.11	3.51	1.08	0.68	0.13	0.10	6.32	0.72	2610.00	5.00	16.10	2.50
STRC005	35	37	S064	Fg	20.60	4.31	1.06	0.83	0.21	0.71	0.25	2.53	0.14	1.76	0.50	0.51	0.15	0.14	6.50	0.99	4790.00	4.00	16.20	3.21
STRC005	37	39	S065	Fg	24.69	5.48	1.31	1.04	0.22	0.85	0.32	2.16	0.16	1.89	0.49	0.64	0.17	0.17	8.57	1.22	4850.00	3.00	22.10	3.18
STRC005	39	42	S066	Fg	232.20	84.88	4.48	2.25	0.91	5.99	0.85	49.26	0.31	37.79	11.02	7.49	0.86	0.32	23.75	2.03	13800.00	7.00	41.40	5.69
STRC005	42	45	S067	Fg	1030.29	524.53	8.86	3.06	2.67	13.83	1.35	225.18	0.31	141.13	46.81	21.80	1.97	0.38	36.07	2.33	9830.00	10.00	66.70	7.50
STRC005	45	49	S068	Fg	191.41	75.67	4.12	2.18	0.78	4.48	0.81	36.12	0.33	26.01	7.51	4.56	0.66	0.33	25.65	2.19	18100.00	7.00	19.60	3.50
STRC005	49	51	S069	Fg	130.15	54.05	2.27	1.03	0.68	2.65	0.42	27.09	0.15	18.43	5.61	3.42	0.40	0.16	12.83	0.96	11100.00	4.00	13.30	3.10
STRC005	51	54	S070	Fg	176.29	70.02	3.47	1.92	0.81	4.03	0.69	34.83	0.25	24.14	7.12	4.37	0.59	0.27	21.97	1.81	16400.00	7.00	20.60	6.40
STRC005	54	57	S071	Fg	178.29	72.35	3.32	1.84	0.76	3.77	0.65	36.00	0.27	23.91	7.41	4.65	0.63	0.27	20.83	1.62	18100.00	6.00	17.70	5.67
STRC005	57	60	S072	Fg	161.24	65.84	3.14	1.68	0.72	3.46	0.58	31.90	0.24	22.63	6.66	4.28	0.54	0.25	17.91	1.41	16800.00	6.00	17.60	7.14
STRC006	56	60	S073	Tcl	68.60	22.85	2.04	1.26	0.42	1.65	0.38	14.31	0.22	8.02	2.38	1.88	0.31	0.21	11.31	1.38	272.00	9.00	22.90	5.74
STRC006	60	63	S074	Tcl	56.31	20.15	1.47	0.91	0.37	1.65	0.27	8.84	0.14	7.69	2.14	1.80	0.25	0.13	9.68	0.83	266.00	5.00	15.00	50.20
STRC006	63	66	S075	Tcl	53.22	22.60	1.25	0.61	0.35	1.42	0.22	7.45	0.08	7.65	2.20	1.54	0.22	0.08	7.07	0.49	223.00	3.00	8.59	183.00
STRC006	66	70	S076	Tcl	74.42	34.52	0.99	0.54	0.37	1.42	0.19	12.43	0.08	11.51	3.34	1.98	0.21	0.08	6.24	0.54	277.00	4.00	4.99	7.17
STRC006	70	72	S077	Tcl	100.71	41.40	1.17	0.66	0.38	1.66	0.24	25.80	0.09	14.46	4.63	2.37	0.25	0.10	6.87	0.61	184.00	3.00	8.20	4.74
STRC006	72	74	S078	Fg	472.58	138.81	5.60	3.68	1.23	5.80	1.10	191.17	0.65	54.94	21.53	7.94	0.96	0.59	34.67	3.92	408.00	8.00	44.40	18.10
STRC006	74	76	S079	Fg	720.11	281.30	5.90	2.73	1.97	8.70	1.03	253.32	0.39	88.65	31.13	13.10	1.24	0.38	27.68	2.57	229.00	10.00	23.00	19.10
STRC006	76	78	S080	Fg	201.94	87.22	3.03	2.07	0.67	3.09	0.65	47.85	0.42	23.44	7.21	4.00	0.49	0.38	18.92	2.49	185.00	12.00	25.50	23.30
STRC006	78	80	S081	Fg	944.49	237.08	11.82	5.69	4.33	18.21	2.06	287.34	0.77	216.95	64.60	31.77	2.45	0.82	55.49	5.09	235.00	12.00	31.80	21.10
STRC006	80	83	S082	Fg	879.17	213.74	12.28	5.92	4.33	18.79	2.18	258.02	0.77	204.12	61.32	31.31	2.47	0.82	58.03	5.06	212.00	12.00	30.60	22.70
STRC006	83	86	S083	Fg	757.17	203.91	12.28	6.35	3.76	17.52	2.33	211.10	0.82	152.80	45.41	24.93	2.42	0.89	67.30	5.35	284.00	13.00	16.20	23.00
STRC006	86	89	S084	Fg	2080.06	776.35	24.56	11.55	8.41	39.07	4.42	500.79	1.25	389.58	116.09	61.23	5.19	1.43	132.07	8.07	254.00	14.00	29.90	27.50
STRC006	89	92	S086	Fg	1008.64	205.14	21.92	11.39	6.39	29.39	4.18	282.64	1.42	206.45	60.50	36.06	4.25	1.53	128.26	9.10	250.00	16.00	11.90	24.60
STRC006	92	95	S087	Fg	870.24	253.05	14.35	8.31	3.91	18.67	2.91	235.73	1.16	155.13	48.57	24.82	2.61	1.16	92.96	6.89	303.00	14.00	24.30	24.60
STRC006	95	98	S088	Fg	327.55	85.13	7.87	4.97	1.57	8.88	1.68	76.94	0.68	48.87	13.93	8.72	1.34	0.70	62.23	4.04	1330.00	15.00	15.90	19.40
STRC006	98	101	S089	Fg	565.92	167.06	13.20	7.76	3.05	16.83	2.80	127.84	0.93	82.35	21.53	15.54	2.46	1.02	98.04	5.52	3570.00	16.00	19.10	18.10

Appendix 2 – Assay results

Hole_id	From	To	Samp_id	Lith1	TREO_ppm	CeO2	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr2O3	Sm2O3	Tb2O3	Tm2O3	Y2O3	Yb2O3	Ca	Sc	Th	U
STRC006	101	104	S090	Fg	365.75	140.04	6.08	3.28	1.53	7.53	1.20	83.39	0.44	51.79	15.33	8.89	1.15	0.47	42.03	2.60	1720.00	7.00	19.10	17.00
STRC006	104	108	S091	Fg	311.63	121.24	4.79	2.77	1.16	6.18	1.00	73.07	0.40	42.46	12.64	7.20	0.94	0.38	35.18	2.24	1260.00	5.00	19.00	19.50
STRC007	23	25	S092	Fg	10.84	3.12	0.45	0.25	0.08	0.35	0.09	1.76	0.06	1.12	0.30	0.34	0.06	0.05	2.50	0.32	214.00	6.00	9.80	1.95
STRC007	25	27	S093	Fg	9.70	2.64	0.44	0.32	0.06	0.32	0.08	1.30	0.06	0.94	0.25	0.29	0.07	0.06	2.57	0.31	158.00	6.00	12.70	1.91
STRC007	27	29	S094	Fg	10.28	2.31	0.60	0.32	0.10	0.39	0.11	1.25	0.07	0.89	0.22	0.31	0.08	0.06	3.17	0.39	118.00	5.00	14.10	1.68
STRC007	29	32	S095	Fg	15.27	3.55	0.64	0.40	0.17	0.51	0.10	2.86	0.08	1.77	0.48	0.46	0.09	0.07	3.63	0.44	516.00	4.00	12.60	1.91
STRC007	32	34	S096	Fg	23.90	6.34	0.87	0.59	0.22	0.77	0.21	4.22	0.11	2.90	0.82	0.72	0.16	0.10	5.09	0.76	2230.00	6.00	19.00	3.69
STRC007	34	38	S097	Fg	148.75	62.77	2.46	1.33	0.47	2.74	0.47	32.13	0.20	20.41	6.16	3.59	0.41	0.22	14.10	1.28	7970.00	3.00	25.00	9.91
STRC007	38	40	S098	Fg	62.16	24.32	1.17	0.69	0.53	1.36	0.24	13.14	0.11	8.07	2.48	1.46	0.22	0.09	7.58	0.69	13300.00	2.00	19.30	13.20
STRC008	15	17	S100	Tcl	12.01	3.72	0.39	0.32	0.12	0.32	0.08	2.02	0.06	1.33	0.37	0.29	0.06	0.06	2.51	0.36	552.00	2.00	5.85	6.10
STRC008	17	19	S101	Tcl	16.44	6.26	0.48	0.32	0.09	0.36	0.08	2.96	0.07	1.61	0.47	0.34	0.07	0.06	2.93	0.34	368.00	4.00	13.30	2.40
STRC008	19	21	S102	Fg	15.28	4.89	0.59	0.31	0.17	0.45	0.11	2.77	0.07	1.52	0.44	0.45	0.08	0.06	2.97	0.40	473.00	8.00	23.50	2.43
STRC008	21	23	S103	Fg	73.24	25.31	1.17	0.63	0.45	1.42	0.21	20.99	0.10	10.33	3.30	1.77	0.21	0.08	6.65	0.61	6730.00	5.00	15.50	2.24
STRC008	23	24	S104	Fg	168.01	69.40	2.15	1.05	0.61	3.11	0.40	42.34	0.16	24.03	7.60	4.23	0.46	0.15	11.26	1.06	8000.00	7.00	21.60	3.53
STRC009	13	15	S105	Tcl	25.33	9.74	0.60	0.43	0.19	0.51	0.11	5.28	0.09	2.60	0.73	0.50	0.10	0.06	3.77	0.63	1330.00	12.00	11.40	5.13
STRC009	15	17	S106	Fg	82.66	27.27	1.14	0.70	0.45	1.35	0.25	27.44	0.11	10.68	3.65	1.80	0.22	0.11	6.73	0.75	2760.00	5.00	23.90	3.18
STRC009	17	19	S107	Fg	345.29	153.55	2.80	1.46	0.90	4.22	0.55	90.31	0.19	49.22	15.80	6.41	0.55	0.21	17.91	1.21	3140.00	4.00	45.70	5.11
STRC009	19	21	S108	Fg	290.02	131.44	2.58	1.38	0.79	3.47	0.50	73.30	0.22	40.12	12.87	5.65	0.48	0.21	15.87	1.13	7280.00	3.00	46.40	3.17
STRC009	21	25	S109	Fg	296.20	138.81	2.11	1.10	0.76	3.23	0.40	77.17	0.14	40.24	13.34	5.06	0.43	0.15	12.34	0.92	4400.00	3.00	44.80	4.01
STRC009	25	29	S110	Fg	292.58	138.81	2.24	1.04	0.73	3.34	0.41	73.30	0.14	40.12	13.22	5.23	0.46	0.16	12.43	0.95	3020.00	3.00	46.60	3.46
STRC010	9	11	S111	Qa	29.04	10.90	0.63	0.45	0.24	0.60	0.14	5.88	0.09	3.36	1.04	0.71	0.10	0.08	4.23	0.60	1280.00	7.00	19.50	3.74
STRC010	11	12	S112	Fg	25.09	8.41	0.79	0.48	0.17	0.61	0.16	4.50	0.10	2.64	0.71	0.61	0.13	0.08	5.08	0.60	573.00	10.00	15.80	4.28
STRC010	12	15	S113	Fg	140.46	65.84	1.58	0.93	0.43	2.05	0.31	31.90	0.15	18.55	5.62	3.06	0.30	0.15	8.69	0.91	1330.00	4.00	38.70	5.50
STRC010	15	18	S114	Fg	144.83	65.72	1.55	0.88	0.53	2.18	0.29	33.19	0.15	20.53	6.25	3.32	0.32	0.14	8.93	0.87	1020.00	2.00	47.60	6.68
STRC011	56	59	S115	Tcl	36.13	10.09	1.22	0.87	0.25	0.93	0.27	5.50	0.19	5.34	1.40	1.08	0.16	0.15	7.56	1.12	310.00	3.00	19.80	2.07

Appendix 2 – Assay results

Hole_id	From	To	Samp_id	Lith1	TREO_ppm	CeO2	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr2O3	Sm2O3	Tb2O3	Tm2O3	Y2O3	Yb2O3	Ca	Sc	Th	U
STRC011	59	61	S116	Tsd	114.12	56.63	1.50	1.02	0.47	1.71	0.30	17.36	0.20	16.10	4.90	2.71	0.24	0.17	9.65	1.15	281.00	5.00	18.10	5.89
STRC011	61	64	S117	Fg	4375.00	1351.24	29.15	10.52	30.22	67.31	4.51	1163.42	1.03	1131.41	300.77	150.75	7.39	1.30	118.74	7.24	362.00	15.00	21.20	14.40
STRC011	64	67	S118	Fg	1437.27	327.98	15.26	6.52	11.93	31.12	2.70	405.79	0.82	386.08	103.81	53.57	3.52	0.89	82.04	5.24	461.00	8.00	19.70	12.50
STRC011	69	71	S120	Fg	442.40	170.75	5.38	2.82	2.67	8.33	1.05	96.29	0.40	81.18	21.53	11.22	1.05	0.39	36.95	2.37	6540.00	4.00	24.90	9.97
STRC011	71	73	S121	Fg	514.61	233.40	5.69	2.97	2.96	8.18	1.08	96.99	0.38	89.35	25.16	13.45	1.12	0.42	30.99	2.47	16600.00	16.00	13.60	8.22
STRC011	73	74	S122	Fg	15226.08	7689.78	39.48	13.38	49.79	114.57	6.20	3412.85	0.98	2577.74	869.53	259.75	10.82	1.43	172.71	7.07	18600.00	14.00	438.00	22.10
STRC011	74	75	S123	Fgp	376.18	173.20	3.12	1.66	1.95	5.22	0.60	75.18	0.23	68.35	19.08	8.67	0.64	0.24	16.64	1.41	4390.00	3.00	26.40	4.02
STRC011	75	78	S124	Fgp	2861.49	1412.66	15.84	6.01	15.05	38.84	2.59	503.13	0.56	559.87	145.12	74.21	4.03	0.71	79.24	3.62	14600.00	8.00	132.00	9.92
STRC012	25	27	S126	Tcl	18.60	5.65	0.55	0.40	0.13	0.50	0.11	2.71	0.07	2.17	0.59	0.48	0.09	0.08	4.58	0.50	324.00	7.00	11.00	2.48
STRC012	27	30	S127	Tcl	16.05	5.31	0.52	0.33	0.12	0.43	0.10	2.40	0.07	2.02	0.54	0.50	0.08	0.06	3.16	0.42	383.00	5.00	9.60	1.75
STRC012	30	32	S128	Fg	91.47	29.36	2.33	1.33	0.54	2.26	0.44	18.65	0.19	14.35	4.07	2.89	0.38	0.21	13.21	1.28	236.00	4.00	25.70	3.18
STRC012	32	35	S129	Fg	111.61	35.87	2.47	1.44	0.71	2.86	0.47	21.46	0.23	20.76	5.93	3.68	0.44	0.23	13.59	1.48	225.00	5.00	33.30	3.16
STRC012	35	37	S130	Fg	106.63	31.82	2.12	1.32	0.69	2.54	0.41	24.39	0.23	19.60	5.65	3.15	0.37	0.18	12.83	1.33	280.00	5.00	33.60	3.22
STRC012	37	39	S131	Fg	214.77	73.46	3.09	1.62	1.23	4.40	0.56	48.91	0.26	42.69	11.94	6.29	0.58	0.23	17.91	1.62	279.00	7.00	32.00	3.24
STRC012	39	41	S132	Fg	6866.16	3169.27	32.59	10.75	39.60	91.29	4.80	1430.82	0.94	1376.35	358.11	193.65	8.83	1.27	140.96	6.92	704.00	11.00	478.00	19.00
STRC012	41	43	S133	Fg	1024.18	261.65	10.77	4.36	6.66	20.63	1.79	304.93	0.51	247.28	67.76	35.48	2.43	0.59	55.88	3.47	1200.00	9.00	30.80	5.64
STRC012	43	45	S134	Fg	899.44	288.67	9.51	4.43	5.64	17.06	1.70	232.21	0.57	198.29	53.48	28.41	2.05	0.59	53.34	3.50	961.00	11.00	32.90	5.59
STRC012	45	47	S135	Fg	1123.06	534.35	8.54	3.76	4.77	14.98	1.45	239.25	0.51	188.96	53.95	25.51	1.74	0.51	41.40	3.36	4770.00	9.00	21.80	5.82
STRC012	47	50	S136	Fg	7176.26	3574.64	29.27	10.04	31.26	71.23	4.43	1653.65	0.98	1178.06	321.83	150.75	7.53	1.22	134.61	6.75	6020.00	10.00	226.00	18.20
STRC012	50	54	S137	Fg	1443.95	760.38	8.02	3.81	4.55	14.87	1.37	299.06	0.48	208.79	62.26	26.90	1.74	0.54	48.13	3.05	5710.00	5.00	62.60	8.35
STRC013	14	17	S139	Tcl	20.20	6.57	0.69	0.47	0.09	0.71	0.14	3.23	0.08	2.13	0.59	0.57	0.13	0.07	4.23	0.51	140.00	5.00	59.40	5.59
STRC013	17	19	S140	Fg	30.58	6.87	1.02	0.56	0.12	0.84	0.22	9.30	0.11	2.94	0.97	0.79	0.15	0.10	5.94	0.65	138.00	5.00	61.30	7.68
STRC013	19	21	S141	Fg	79.79	17.81	1.46	0.73	0.22	1.46	0.26	35.54	0.11	9.00	3.50	1.59	0.24	0.10	6.93	0.82	163.00	5.00	53.40	5.25
STRC013	21	23	S142	Fg	66.96	16.34	1.25	0.69	0.27	1.29	0.24	26.86	0.11	8.08	2.79	1.52	0.20	0.11	6.39	0.83	1510.00	7.00	47.10	4.80
STRC013	23	25	S143	Fg	46.97	10.23	1.25	0.73	0.22	1.21	0.26	15.72	0.13	6.37	1.87	1.22	0.20	0.13	6.64	0.80	263.00	7.00	45.90	4.94
STRC013	25	28	S144	Fg	31.28	6.47	1.12	0.69	0.22	1.06	0.23	8.28	0.10	3.90	1.17	1.12	0.20	0.10	5.89	0.72	179.00	8.00	36.20	4.10
STRC013	28	30	S145	Fg	78.50	15.72	1.84	0.99	0.36	1.75	0.36	30.61	0.14	10.42	3.51	2.08	0.31	0.14	9.28	1.00	235.00	12.00	31.80	3.99
STRC013	30	32	S146	Fg	133.11	41.64	2.27	1.23	0.53	2.74	0.45	39.52	0.17	21.35	6.68	3.76	0.43	0.19	10.81	1.33	236.00	8.00	30.00	4.44

Appendix 2 – Assay results

Hole_id	From	To	Samp_id	Lith1	TREO_ppm	CeO2	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr2O3	Sm2O3	Tb2O3	Tm2O3	Y2O3	Yb2O3	Ca	Sc	Th	U
STRC013	32	34	S147	Fg	565.60	260.42	5.80	2.00	2.20	9.15	0.90	115.76	0.25	98.44	31.36	15.89	1.22	0.30	20.06	1.84	185.00	6.00	27.20	7.50
STRC013	34	36	S148	Fg	1196.61	554.01	12.62	5.07	5.05	20.86	2.11	239.25	0.55	200.62	62.14	33.98	2.88	0.66	52.83	3.99	271.00	5.00	31.80	11.40
STRC013	36	38	S149	Fg	679.40	323.07	7.02	2.88	2.81	11.87	1.15	136.04	0.33	109.87	32.89	18.79	1.53	0.37	28.32	2.46	1820.00	4.00	24.70	9.03
STRC013	38	41	S150	Fg	638.50	334.12	7.66	3.44	2.30	11.53	1.39	109.42	0.39	82.23	23.41	14.26	1.53	0.42	43.68	2.71	5420.00	5.00	25.50	6.18
STRC013	41	43	S151	Fg	461.76	226.03	6.35	2.84	1.73	9.20	1.15	85.97	0.35	62.05	17.67	11.20	1.25	0.37	33.40	2.22	4490.00	4.00	28.50	6.20
STRC013	43	45	S152	Fg	873.16	380.80	11.39	5.97	3.61	17.40	2.33	170.06	0.61	131.80	35.69	19.71	2.15	0.72	86.99	3.92	3420.00	3.00	60.00	7.23
STRC013	45	48	S153	Fg	171.98	73.09	3.01	1.48	0.66	3.84	0.60	33.78	0.17	24.14	7.03	4.55	0.53	0.18	17.78	1.15	6850.00	3.00	27.20	9.79
STRC014	6	7	S155	Tcl	30.31	9.32	1.17	0.71	0.19	1.03	0.21	5.43	0.13	3.16	0.96	1.04	0.17	0.10	5.98	0.72	401.00	4.00	42.70	3.07
STRC014	7	9	S156	Fg	27.07	6.02	1.00	0.63	0.13	0.93	0.21	6.94	0.11	2.71	0.81	0.79	0.17	0.10	5.80	0.72	156.00	3.00	38.20	2.93
STRC014	9	11	S157	Fg	21.66	5.16	0.87	0.50	0.10	0.86	0.17	4.90	0.09	2.03	0.56	0.77	0.16	0.08	4.89	0.50	68.00	3.00	43.80	3.60
STRC014	11	13	S158	Fg	19.22	4.63	0.80	0.56	0.09	0.63	0.17	4.01	0.11	1.45	0.46	0.49	0.12	0.09	4.89	0.72	38.00	3.00	40.80	2.97
STRC014	13	15	S159	Fg	26.86	6.65	1.14	0.66	0.10	0.92	0.22	6.52	0.11	2.17	0.60	0.72	0.18	0.10	6.02	0.74	133.00	5.00	45.40	4.24
STRC014	15	17	S160	Fg	24.24	7.60	1.07	0.58	0.08	0.76	0.22	4.02	0.11	1.76	0.46	0.66	0.17	0.09	5.93	0.72	138.00	6.00	50.50	4.08
STRC014	17	19	S161	Fg	50.80	28.62	1.17	0.72	0.19	1.07	0.24	5.65	0.13	2.99	0.78	0.92	0.20	0.11	7.16	0.85	220.00	6.00	88.10	4.78
STRC014	19	21	S162	Fg	48.08	22.11	1.26	0.79	0.19	1.08	0.26	7.94	0.15	3.22	0.94	0.81	0.20	0.14	8.03	0.97	204.00	6.00	64.20	4.88
STRC014	21	24	S163	Fg	106.72	41.52	1.93	0.98	0.49	2.21	0.38	24.39	0.17	15.05	4.48	2.76	0.35	0.17	10.77	1.07	127.00	5.00	33.00	3.79
STRC014	24	27	S164	Fg	4271.83	416.43	45.45	15.32	24.89	93.48	7.25	1700.56	1.23	1213.06	366.30	173.94	11.04	1.78	191.75	9.35	202.00	4.00	35.70	17.00
STRC014	27	29	S165	Fg	6509.08	1375.81	63.24	21.27	32.65	131.40	10.06	2310.42	1.57	1562.98	486.84	231.92	15.08	2.46	251.44	11.96	284.00	5.00	29.10	29.00
STRC014	29	32	S166	Fg	1813.30	329.21	19.28	7.39	9.30	37.81	3.30	698.99	0.64	417.57	122.88	59.84	4.45	0.88	97.27	4.50	201.00	3.00	24.20	9.09
STRC014	32	35	S167	Fg	3046.96	1437.23	15.26	5.10	14.71	36.19	2.37	742.38	0.49	505.05	143.95	69.11	3.82	0.62	67.30	3.37	315.00	7.00	51.00	12.60
STRC014	35	37	S168	Fg	1742.70	771.44	11.18	3.89	8.70	24.78	1.78	403.44	0.34	324.26	93.51	45.46	2.77	0.47	48.00	2.70	229.00	4.00	34.80	8.43
STRC014	37	39	S169	Fg	163.57	74.69	1.80	0.90	0.79	2.55	0.33	37.30	0.15	23.09	6.82	3.69	0.37	0.14	10.06	0.90	216.00	2.00	16.60	2.19
STRC014	39	41	S170	Fg	558.60	296.04	5.21	2.32	2.30	8.36	0.89	99.10	0.31	79.08	23.05	12.29	1.07	0.31	26.29	1.97	300.00	8.00	26.30	8.52
STRC014	41	43	S171	Fg	503.01	265.33	5.28	2.17	2.12	8.21	0.89	84.91	0.26	70.68	19.90	12.18	1.07	0.29	27.94	1.79	491.00	8.00	23.40	9.17
STRC014	43	45	S172	Fg	406.57	203.91	4.26	1.94	1.88	7.04	0.79	73.89	0.24	59.49	16.50	9.72	0.91	0.24	24.26	1.51	561.00	8.00	18.80	7.81
STRC014	45	47	S173	Fg	610.02	276.39	7.53	3.60	2.13	11.31	1.40	125.49	0.42	80.60	24.23	14.50	1.52	0.49	57.78	2.64	3450.00	7.00	68.60	5.83
STRC014	47	49	S174	Fg	278.35	120.63	4.95	2.40	1.42	6.60	0.95	53.01	0.28	36.39	10.37	7.13	0.93	0.32	30.73	2.22	10300.00	9.00	15.30	8.61
STRC014	49	51	S175	Fg	259.74	126.53	3.58	1.81	1.05	4.92	0.68	49.02	0.23	33.71	9.77	5.87	0.71	0.24	20.19	1.43	12100.00	9.00	18.50	8.88
STRC014	51	52	S176	Fg	146.99	55.77	3.05	1.78	1.16	3.78	0.64	28.15	0.24	20.30	5.55	4.05	0.54	0.23	20.19	1.57	21900.00	10.00	5.94	2.38

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