

Significant rare earths potential at Byro East, WA with rock chips up to 1.1% TREO and potential carbonatite identified

Exciting rock chip results indicate the presence of a large Alkaline Silicate-Carbonatite Complex

Highlights:

- Rock chip sample BY23K360 (1.1% TREO, 21% NdPr) from the Leatherback prospect confirms the presence of a weathered carbonatite-alkaline intrusion, coincident with multi-kilometre long REE soil geochemistry, magnetic and gravity high anomalies.
- Ore grade concentrations of scandium with 263ppm Sc₂O₃ and 0.7% TREO (30% NdPr) returned in rock chip sample LRBY21, interpreted to be an iron oxide-rich weathered ferro-carbonatite, pyroxenite-bearing carbonatite or phoscorite.
- Leatherback's coincident magnetic and gravity features with elevated REE-Ba-Sr-Nb-Ca-Ni-Cr-Mg soil geochemistry further substantiate the presence of a mafic to ultramafic alkaline-carbonatite complex at the Leatherback prospect.
- World-renowned expert Professor Ken Collerson has confirmed that the rock chip geochemical signatures are akin to alkaline and carbonatite complex magmatism, drawing parallels to the Kola Peninsula (Finland/Russia) and Mirima Hill carbonatite in Kenya.

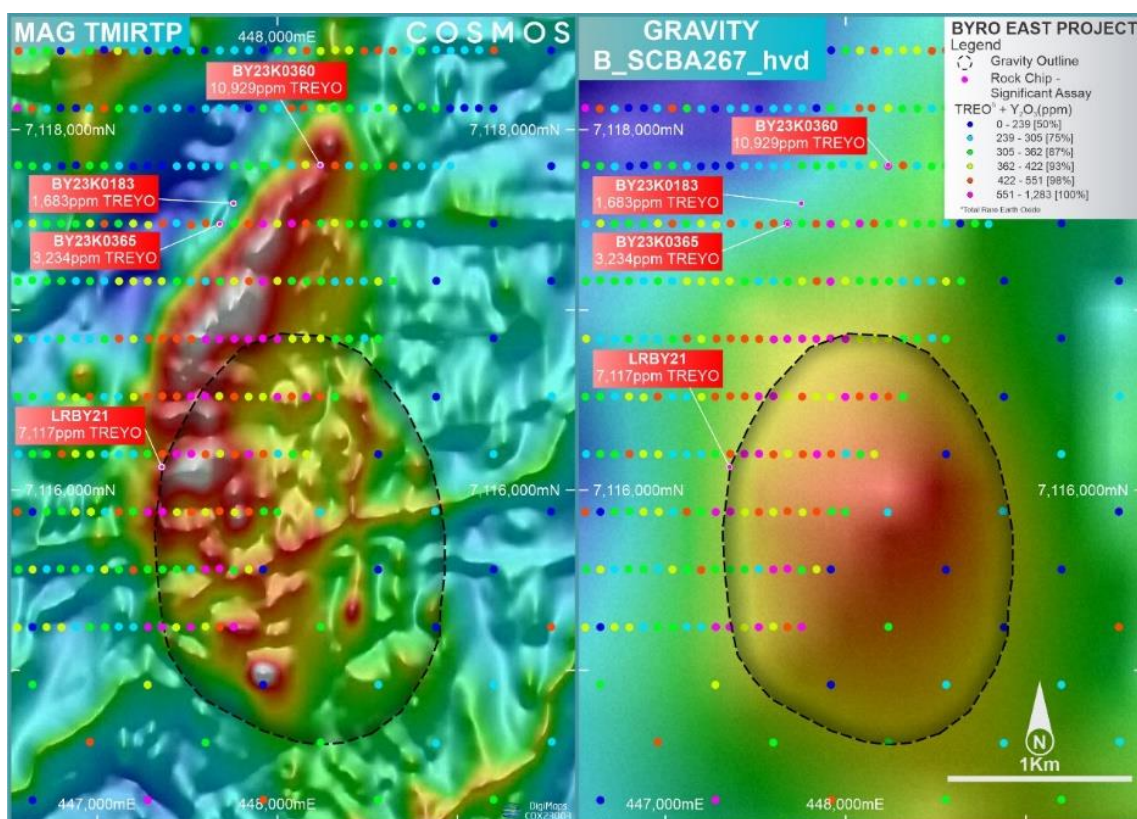


Figure 1 – Image showing the mixed acid TREO + Y₂O₃ surface soil geochemistry and recent rock chip assays coincident with a 3.5km long magnetic high (left, red-white colours) and gravity high (right, red-yellow colours) geophysical anomalies at the Leatherback Prospect, potentially indicating the presence of a mafic to ultramafic Alkaline-Carbonatite Complex.

Cosmos Exploration (ASX: C1X) (“Cosmos” or “the Company”) is pleased to report new exploration results highlighting significant rare earth exploration potential associated with a large carbonatite complex at its 100%-owned **Byro East Project (“Byro East”)** in Western Australia.

While waiting for access to be re-established to its Canadian lithium properties, the Company has been progressing exploration activities at its Australian projects. Encouragingly, the time spent at Byro East has delivered a surprise result and identified widespread rare earths potential in carbonatitic rocks coincident with chemistry and geophysics which were not previously understood to be present.

Geochemical Soil & Rock Chip Sampling

During May 2022, Cosmos completed a comprehensive geochemical soil survey over the central four Byro East Tenements, covering an area in excess of 600km². The primary goal was to detect areas of mineralisation, alteration and host lithologies that are commonly associated with magmatic nickel-copper-PGE, gold and REE style deposits prospective for this region.

On 26 October 2022, Cosmos announced significant findings from the soil data, which revealed numerous multi-kilometre long trends displaying unusually high TREO and Y oxide values, up to 1,283ppm across large portions of the central tenements, with subdued geochemical responses typically in areas of alluvial and transported cover (Figures 2 & 3).

Cosmos is currently in the initial stages of investigating these anomalies and has engaged globally recognised expert consultant, Professor Ken Collerson, to review recent analytical rock chip trace element results from the Leatherback prospect. Assays exhibit similar vector element enrichments to those reported from rare earth-rich carbonatite complexes globally. Specifically, sample BY23K360 (refer to Figures 1, 2 & 3) contains 1.1% TREYO¹ (see Table 1, Appendix A).



Figure 2 – (left) Field photograph of weathered carbonatite rock chip sample BY23K0360 assaying 1.1 % TREYO (22% NdPr), (right) Field photograph of weathered iron oxide rich pyroxenite or possible ferrocarbonatite rock chip sample LRBY21 with assays returning 263 ppm Sc203 and 0.7% TREYO (30% NdPr).

¹ Refer to Appendix A for Rare Earth (eg TREO) definitions and abbreviations

The Chondrite-normalized plots provided in Appendix A provide additional support for this interpretation. All Byro samples show significant enrichment in light and heavy REE's, similar to the REE profiles exhibited by carbonatites ranging from the Kola Peninsula in Scandinavia to carbonatites from Kenya (Mirima Hill).

The highly anomalous rock chips from the Leatherback prospect are coincident with an extensive REE and Ba-Sr-Nb-Ca-Ni-Cr-Mg geochemical soil signature typical of an underlying mafic to ultramafic alkalic-carbonatite complex, extending the strike length of the 3.5km long magnetic high and semi-coincident gravity high (Figure 1). Earlier rock chip sampling by Cosmos confirmed the scale of the coincident anomaly where one sample (LRBY21) representing a weathered iron oxidised rich pyroxenite or possible oxidised ferro-carbonatite returned assays up to **263 ppm Sc₂O₃ and 0.7% TREO with 30% NdPr** located on the southern end of the magnetic anomaly (Figure 1, Table 2).

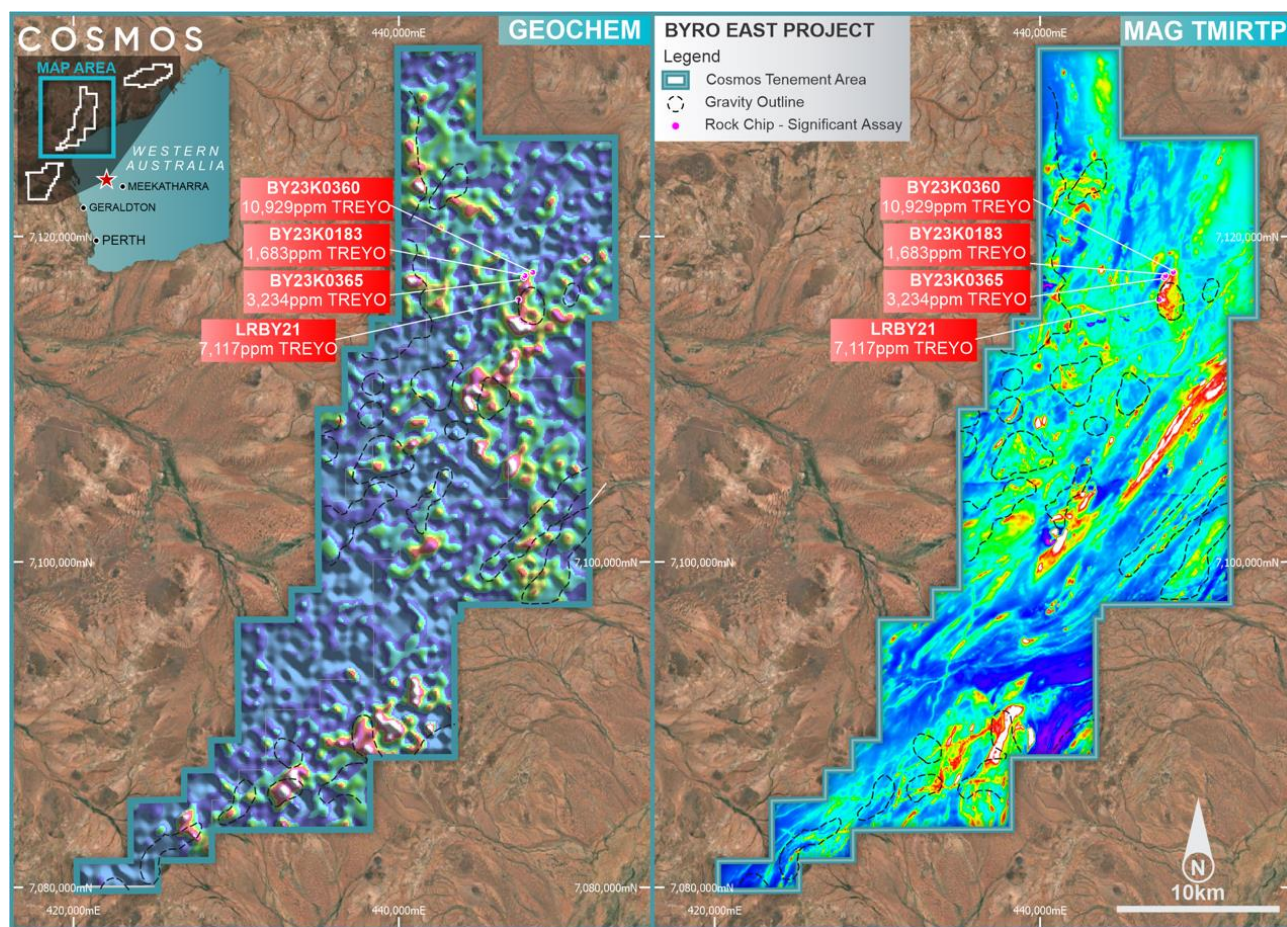


Figure 2 – Image showing the locations of recent highly anomalous TREYO Rock Chip samples and Gravity outlines overlain on the regional gridded Geochem and Magnetic imagery. This shows the scale of the Byro East project to host REE type deposits associated with mafic to ultramafic Alkaline-Carbonatite Complex.

It is important to note that magnetic and gravity high anomalies are commonly associated with alkalic-carbonatite complex intrusives including the Luni Complex (see WA1 announcement dated 7 March 2023). Further work will be undertaken at the Leatherback prospect to confirm this interpretation.

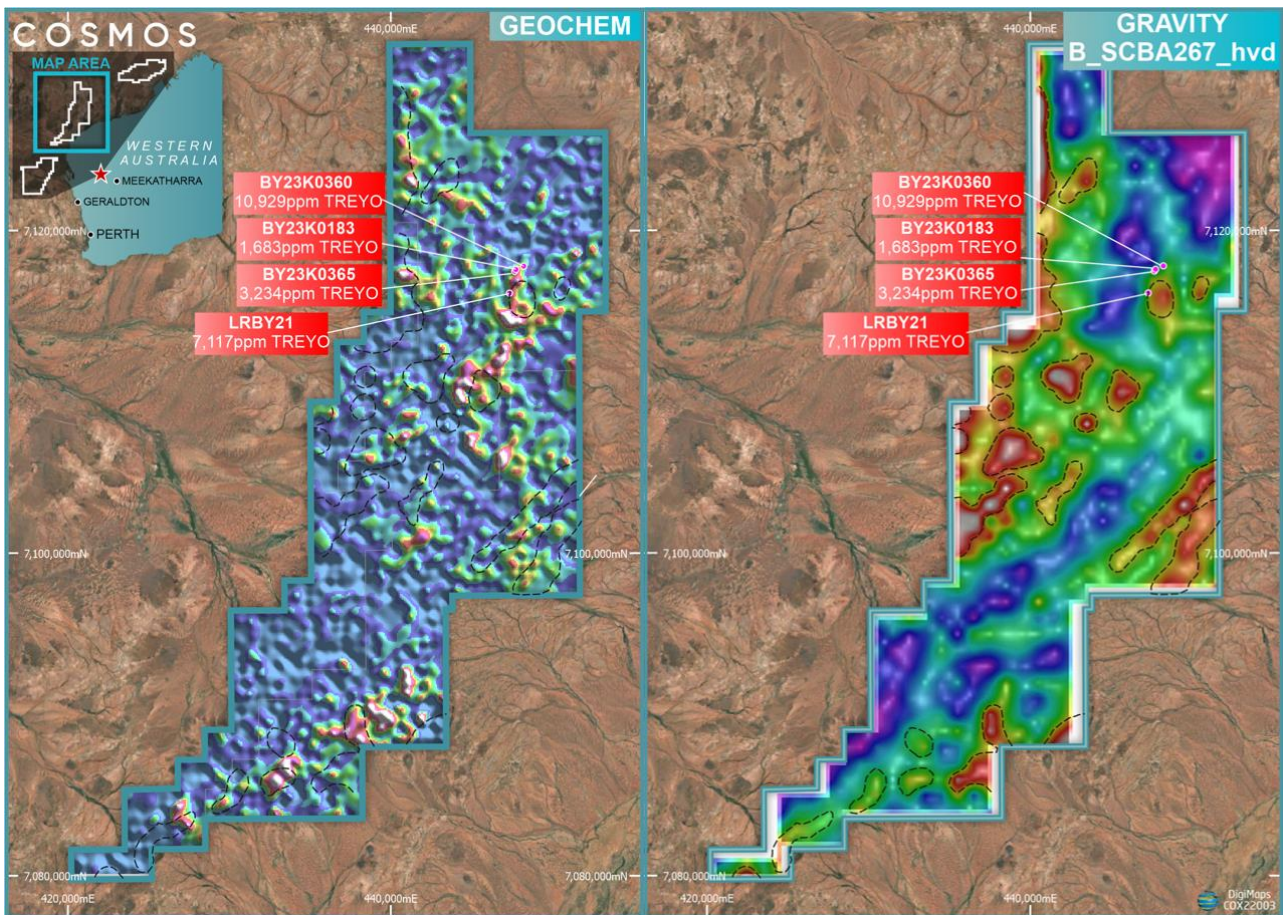


Figure 3 – Image showing the locations of recent highly anomalous TREYO Rock Chip samples overlain on the regional gridded Geochem and Gravity imagery. This shows the scale of the Byro East Project to host REE type deposits associated with mafic to ultramafic Alkaline-Carbonatite Complex.

Next Steps

- Further on-ground field checks and rock chip sampling to investigate the source of the geochemical anomalies.
- Soil sampling scheduled to commence when crews become available in mid-September. The crew will look to in-fill previous 320m x 80m spaced surveys at the Dottyback-Leatherback prospects and regional 450m x 450m spaced geochemical patterns over priority anomalies.
- Ultra-fine fraction soil geochemistry will improve vector trace element resolution for target generation and provide constraints on sub-regolith lithological variation.
- Remaining rock chip assay results are expected to arrive over the next 4-6 weeks.

Orange East Update

Assays from surface soil and aircore drilling undertaken in February/March 2023 at the Quintons prospect have highlighted subtle polymetallic Au-W-As-Cu geochemistry with maximum gold values of 82ppb in AC drillhole 23CX088 (Table 2) (Refer to ASX:C1X announcement 29 March 2023 for drillhole, soil location-sampling metadata and JORC tables). The polymetallic mineralisation, albeit low, was primarily observed within the Anson Formation lithologies, along the Godolphin fault and major NE splay fault structures further supported by surface soil geochemistry (Figure 4). Whilst this provides evidence that the faults are acting as major mineralised fluid pathways and the Anson formation has the potential to host economic deposits analogous to McPhillamys’, any potential economic sources at the Quintons prospect are at greater depths.

Before conducting further follow up work at the Quintons prospect with ground-based geophysics and drilling, Cosmos will pivot, assessing the remaining tenement for near surface Au-Cu McPhillamys style mineralisation by expanding the current surface soil geochemical footprint north and east across the tenement.

Next Steps

- Surface sampling activities are scheduled to begin during the summer months of 2023/2024.

FY2024 ESIP Established

Cosmos has agreed, subject to obtaining all necessary shareholder approvals for those that require it, to issue a total of 2,750,000 Performance Rights and 800,000 Unquoted Options under the Company’s Employee Securities Incentive Plan (ESIP) to the Directors, Executives and Contractors of the Company (or their respective nominees).

- 500,000 Performance Rights to Executive Chairman Mr Jeremy Robinson
- 500,000 Performance Rights to Non-Executive Director Mr James Bahen
- 500,000 Performance Rights to Non-Executive Director Mr Matthew Freedman
- 500,000 Performance Rights to Non-Executive Director Mr Leo Horn
- 500,000 Performance Rights to Exploration Manager Mr Kristian Hendricksen
- 250,000 Performance Rights to Contractors
- 800,000 Unquoted Options to Contractors

The Performance Rights will vest subject to the Company drilling an independently verified drilling intercept of A, B or C below within a 12-month period (D). Conditions A to D are as follows:

Condition A	Condition B	Condition C	Condition D
10m at 1% Lithia	10m at 1% CuEq	10m at 1% TREO	12 Months

Conditions A, B and C are all considered independent and one of these conditions must be satisfied together with Condition D for the Performance Rights to vest. Each Performance Right entitles the holder to receive one fully paid ordinary share in the Company on successful completion of the performance conditions.

The 800,000 Unquoted Options to the Contractors of the Company will have an exercise price of \$0.75 and an expiry date of 30 June 2025. The Performance Rights and Unquoted Options will provide an incentive component to the Director’s and Contractor’s of the Company respective remuneration packages and aligns

their interest with those of the shareholders. The Board considers that the number of Performance Rights to be issued (subject to shareholder approval were required) and Options to be issued, is an appropriate method to provide cost effective remuneration.

This announcement has been authorised by the Board of Cosmos Exploration Limited.

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About Cosmos Exploration

Cosmos Exploration (ASX: C1X) is an ASX-listed lithium, nickel-copper-PGE and gold-copper explorer focussed on making world-class discoveries. The Company's portfolio includes the Corvette Far East and Lasalle Lithium Projects in the prolific James Bay region of Quebec, Canada, the highly prospective Byro East REE-Ni-Cu-PGE Project located in Western Australia and the Orange East Gold Project located in New South Wales.

Competent Person Statement

This report's information related to Exploration Results is based on information and data compiled or reviewed by Mr Kristian Hendricksen. Mr Hendricksen is an employee and shareholder of Cosmos Exploration Limited (Cosmos) and is a Member of the Australasian Institute of Mining and Metallurgy (AusIMM).

Statements contained in this report relating to exploration results, scientific evaluation, and potential, are based on information provided, and evaluated by Professor Ken Collerson. Professor Collerson (PhD) Principal of KDC Geo Consulting, and a Fellow of the Australasian Institute of Mining and Metallurgy (AusIMM), is a geochemist/geologist with sufficient relevant experience and knowledge of rare earth element geochemistry, critical metal mineralisation, and REE systematics to qualify as a Competent Person as defined in the Australian Code for Reporting of Identified Mineral resources and Ore reserves (JORC Code 2012). Professor Collerson consents to the use of this information in this report in the form and context in which it appears.

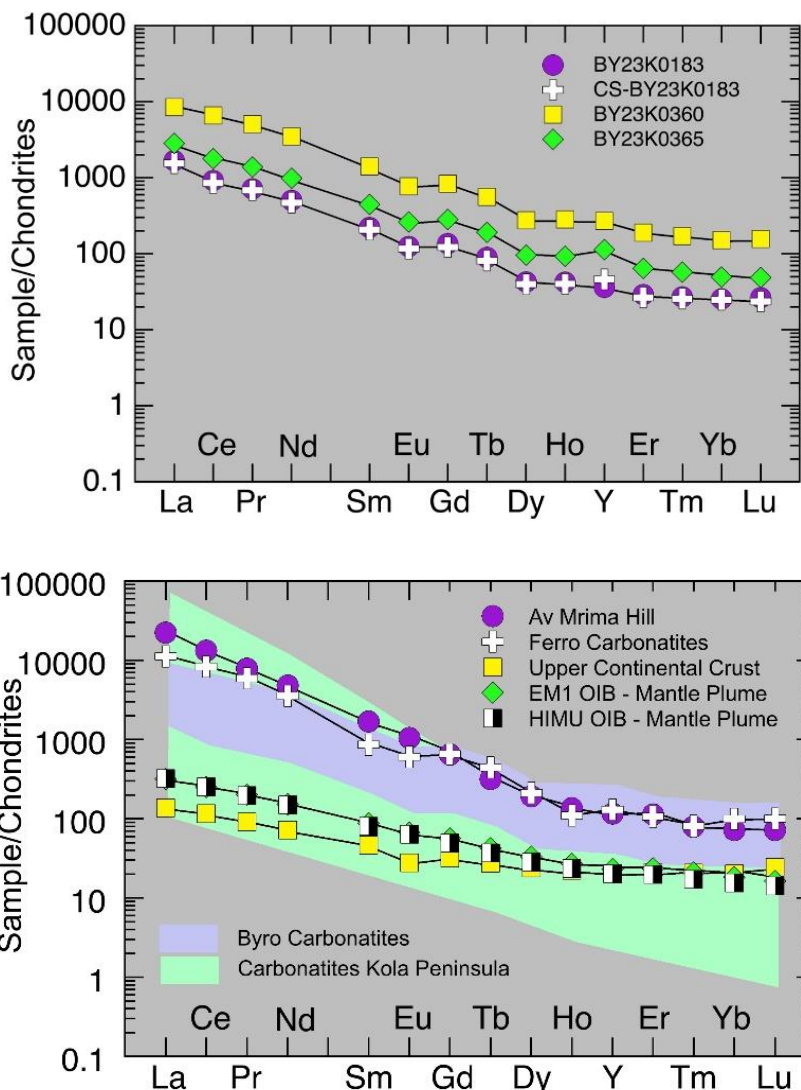
Mr Hendricksen has sufficient experience relevant to the style of mineralisation under consideration and to the activities undertaken to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Accordingly, Mr Hendricksen consents to the inclusion of the

matters based on the information compiled by him and Professor Ken Collerson, in the form and context it appears.

Any Information on historical results outlined in this announcement is contained in the Independent Geologist Report within Cosmos' Prospectus dated 20 September 2021, released in an ASX announcement on 29 November 2021.

The Company confirms that it is not aware of any new information or data that materially affects the information in the relevant ASX releases. The form and context of the announcement have not materially changed. This announcement has been authorised for release by the Board of Cosmos Exploration Ltd.

Appendix A



In Chondrite normalised plots shown above. Byro rock chips are significantly enriched in LREE's, and display similar levels of LREE and HREE enrichment to those reported for carbonatites² from classic alkaline terranes (eg Kola Peninsula in Finland and Russia) and Mirima Hill (Kenya).

² Comparative data from Mrima Hill in Kenya is from Pacific Wildcat Resources.

The Kola Peninsula data is from Zaitsev, A N, Williams, CT, Jeffries, TE, Strekopytov, S, Moutte, J, Ivashchenkova, O.V, Spratt, J, Petrov, S V, Wall, F, Seltmann, R and Borozdin, A P, (2015) Rare earth elements in phoscorites and carbonatites of the Devonian Kola Alkaline Province, Russia: Examples from Kovdor, Khibina, Vuoriyarvi and Turiy Mys complexes. *Ore Geol. Rev.*, 64: 477-498

Collerson, K.D., Williams, Q., Ewart, A.E., Murphy, D.T. (2010) Origin of HIMU and EM-1 domains sampled by ocean island basalts, kimberlites and carbonatites: The role of CO₂-fluxed lower mantle melting in thermochemical upwellings. *Physics of the Earth and Planetary Interiors* 181:112–131.

Kamber, B.S., Greig, A., Collerson K.D. (2005) A new estimate for the composition of weathered young upper continental crust from alluvial sediments, Queensland, Australia. *Geochimica et Cosmochimica Acta*, 69: 1041–1058

The REE profiles of the Byro alkaline samples are several orders-of-magnitude more REE enriched than of average crust which is shown for comparison. Also shown for comparison are LREE enriched profiles of ocean island basalts (OIBs) which, like carbonatites are associated with mantle plumes. Alkaline magmatism in the Byro region is inferred to be related to the impact of the mantle plume that generated the ~1078-1070Ma Warakurna Large Igneous Province³.

Most igneous rocks, display smooth Chondrite-normalised rare earth element (REE) patterns extending from the light REE (LREE) between lanthanum (La), cerium (Ce), praseodymium (Pr), neodymium (Nd) samarium (Sm), gadolinium (Gd) gadolinium (Gd), terbium (Tb), dysprosium (Dy), holmium (Ho), erbium (Er), thulium (Tm), ytterbium (Yb) to lutetium (Lu). Europium (Eu) in many igneous rocks shows a negative or positive spike in the shape of the REE pattern which is commonly interpreted to reflect plagioclase or fluorite removal or gain.

The REE patterns for the Byro chip samples show smooth highly LREE enriched and somewhat HREE depleted profiles typical of carbonatites. The absence of a negative or positive Eu spike indicates that the sources did not experience plagioclase loss or gain. Furthermore, the absence of a positive or negative spike in Ce (Ce/Ce* ~1) indicates that there was no gain or loss of Ce⁴⁺ that occurs during weathering. This is interpreted to indicate that the REE data for the Byro samples essentially preserve source rock abundances.

Sample ID	Easting	Northing	La ₂ O ₃	CeO ₂	Pr ₆ O ₁₁	Nd ₂ O ₃	Sm ₂ O ₃	Eu ₂ O ₃	Gd ₂ O ₃	Tb ₄ O ₇	Dy ₂ O ₃	Ho ₂ O ₃	Er ₂ O ₃	Tm ₂ O ₃	Yb ₂ O ₃	Lu ₂ O ₃	Y ₂ O ₃	Sc ₂ O ₃	TREYO	NdPr	Ce/Ce*	HREYO	HREO/TREO
	MOA94250	MOA94250	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ratio	ppm	ratio
BY23K0183	447756	7117992	463	692	81	268	38	8	31	3	12	3	5	1	5	1	72	11	1683	21	0.77	141	0.08
BY23K0183 Dup	447756	7117992	428	641	76	250	35	7	28	3	11	3	5	1	5	1	92	12	1586	21	0.77	155	0.10
BY23K0360	448238	7117805	2357	4987	512	1866	241	50	191	20	78	18	35	5	28	4	538	40	10931	22	0.98	967	0.09
BY23K0365	447680	7117477	782	1339	144	524	76	17	65	7	27	6	12	2	9	1	225	29	3235	21	0.85	370	0.11
LRBY21	447358	7116129	1458	2713	435	1709	238	43	152	17	82	12	25	2	12	1	219	263	7117	30	0.83	564	0.08

Table 1 – Na Peroxide Fusion (BY prefixed Rock Chip samples) & 4 acid digest (LRBY21) results. Results in ppm (10 000ppm = 1%). Ce/Ce* = (2*(Ce_N)/(La_N+Pr_N)) where Ce_N, La_N and Pr_N are chondrite normalised values

³Pirajno F, Gonzalez-Alvarez I, Chen W, Kyser KT, Simonetti A, Leduc E, leGras M (2014) The Gifford Creek Ferrocarbonatite Complex, Gascoyne Province, Western Australia: Associated fenitic alteration and a putative link with the similar to the 1075 Ma Warakurna LIP. Lithos 202:100-119

³Terminology for REE is that followed by the International Union of Pure and Applied Chemistry

REE = Rare Earth Element

TREO (Total Rare Earth Oxide) + Y or TREYO = La₂O₃ + CeO₂ + Pr₆O₁₁ + Nd₂O₃ + Sm₂O₃ + Eu₂O₃ + Gd₂O₃ + Tb₄O₇ + Dy₂O₃ + Ho₂O₃ + Er₂O₃ + Tm₂O₃ + Yb₂O₃ + Lu₂O₃ + Y₂O₃

HREO = Eu₂O₃ + Gd₂O₃ + Tb₄O₇ + Dy₂O₃ + Ho₂O₃ + Er₂O₃ + Tm₂O₃ + Yb₂O₃ + Lu₂O₃ + Y₂O₃.

LREO = La₂O₃ + CeO₂ + Pr₆O₁₁ + Nd₂O₃ + Sm₂O₃

NdPr%: (Pr⁶O¹¹ + Nd²O³) / TREO * 100

TREO⁵ is a company abbreviation to describe the sum of the calculated oxides for the 5 rare earth elements + Y₂O₃ used for soil geochemical plots and grids as these were the **only** REE present in the Mixed Acid Multi element dataset. Elements were Ce, La, Eu, Dy, Er + Y

HOLE_ID	DEPTH_FROM	DEPTH_TO	Lithology Interp	Au_ppb	Zn_ppm	Pb_ppm	Ag_ppm	As_ppm	Cu_ppm	Bi_ppm	Fe_ppm	Mo_ppm	Ni_ppm	Sn_ppm	Te_ppm	W_ppm
23CX088	4	8	Anson Fm Limonite +- Sericite Alt	82	231	708	1.3	1150	140	1.2	85200	1.7	24	1.3	0.2	8.7
23CX087	16	20	Anson Fm Limonite +- Sericite Alt	77	91	36	0.7	325	144	0.1	46400	1.3	22	1.1	0.1	8.0
23CX014	16	20	Anson Fm Limonite +- Sericite Alt	65	108	52	0.7	414	302	2.2	99600	1.4	36	3.9	0.2	5.7

Table 2: Quintons Prospect Aircore Drilling Au ppb grades >60ppb. Note higher W grades >7ppm +- Sn, potentially indicating a deeper porphyry source. Refer to ASX:C1X announcement 29 March 2023 for Drillhole location and sampling metadata

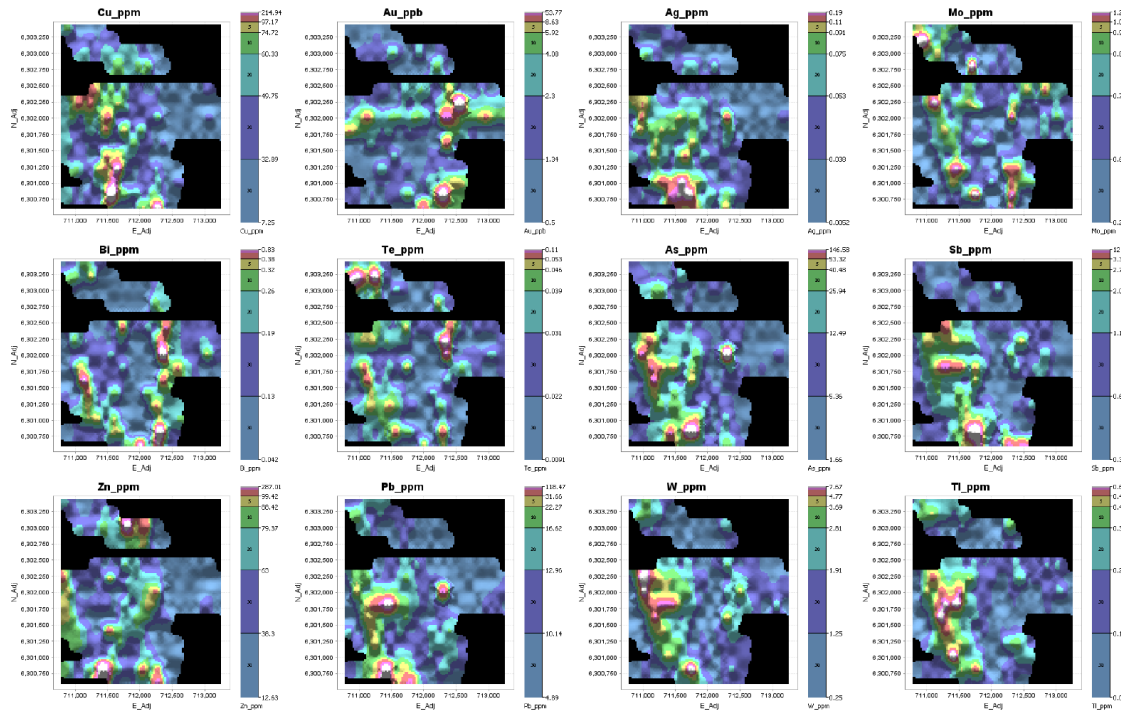


Figure 4: Quintons Prospect Grided surface element soil geochemistry. Grids have been levelled by lithology formation to remove geochemical bias (i.e., Byng mafic volcanics will typically have a higher abundance of Cu than the sediments of the Anson formation)

APPENDIX 1 JORC TABLE 1 - JORC CODE, 2012 EDITION – TABLE 1

Section 1 Sampling Techniques and Data (Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
<p>Sampling techniques</p>	<ul style="list-style-type: none"> Nature and quality of sampling (e.g. 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. 	<p>Byro East</p> <ul style="list-style-type: none"> Rock chip samples were taken as individual rocks representing variably weathered lithological basement from exposed outcrop and subcrop to give an indication of lithochemistry and possible mineralisation relating to REE and Ni-Cu-PGE mineralisation. Individual rock chip samples were restricted to exposed subcrop and outcrop in areas of interest typically dominated by thin alluvial sheet wash and qtz-lithic float rock and may introduce a bias The whole rock chip grab samples were typically between 0.5 and 2 kg. The entire sample received by the laboratory was crushed and pulverised to 85% passing 75 micron. All sample types, location and descriptions were carefully recorded by the field geologist <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023
	<ul style="list-style-type: none"> Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. 	<p>Byro East</p> <ul style="list-style-type: none"> No Drilling Reported <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023

Criteria	JORC Code explanation	Commentary
	<ul style="list-style-type: none"> Aspects of the determination of mineralisation that are material to the Public Report. 	<p>Byro East</p> <ul style="list-style-type: none"> No Drilling Reported <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023
	<ul style="list-style-type: none"> In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30g 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 (e.g. submarine nodules) may warrant disclosure of detailed information 	<p>Byro East</p> <ul style="list-style-type: none"> No Drilling Reported <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023
Drilling techniques	<ul style="list-style-type: none"> Drill type (e.g. 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). 	<p>Byro East</p> <ul style="list-style-type: none"> No Drilling Reported <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023
Drill sample recovery	<ul style="list-style-type: none"> Method of recording and assessing core and chip sample recoveries and results assessed. Measures taken to maximise sample recovery and ensure representative nature of the samples. 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. 	<p>Byro East</p> <ul style="list-style-type: none"> No Drilling Reported <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023

Criteria	JORC Code explanation	Commentary
Logging	<ul style="list-style-type: none"> • 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. Core (or costean, channel, etc) photography. • The total length and percentage of the relevant intersections logged. 	<p>Byro East</p> <ul style="list-style-type: none"> • Geological descriptions were recorded by Cosmos Exploration for each rock sample when collected by geologist • Due to the early nature of the project and recent interpretation of an mafic-alkalic alkaline-carbonatite complex after rock chips were collected some field rock descriptions will be re classified based fusion/multi-acid assay and thin sections results once available <p>Orange East</p> <ul style="list-style-type: none"> • Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023
Sub-sampling techniques and sample preparation	<ul style="list-style-type: none"> • If core, whether cut or sawn and whether quarter, half or all core taken. • If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry. • For all sample types, the nature, quality and appropriateness of the sample preparation technique. • Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. • 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. • Whether sample sizes are appropriate to the grain size of the material being sampled. 	<p>Byro East</p> <ul style="list-style-type: none"> • No sub-sampling completed for rock chip samples • The entire sample received by the laboratory was crushed and pulverised to 85% passing 75 micron. <p>Orange East</p> <ul style="list-style-type: none"> • Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023
Quality of assay data and	<ul style="list-style-type: none"> • For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make 	<p>Byro East</p> <ul style="list-style-type: none"> • LR* prefixed samples were analysed by Intertek Genalysis in Perth. The sample analysis uses a Mixed Acid

Criteria	JORC Code explanation	Commentary
<p>laboratory tests</p>	<p>and model, reading times, calibrations factors applied and their derivation, etc.</p> <ul style="list-style-type: none"> 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. 	<p>digest with an Inductively Coupled Plasma Mass Spectrometry and Inductively Coupled Plasma (ICP) Mass Spectrometry (MS) and Optical Emission Spectrometry (OES) finish. A total of 60 elements were analysed *</p> <p>The mixed acid digest is not the industry standard for analysis of REE minerals as REE are commonly contained resistate minerals (monazite, xenotime), and may not be totally digested by this technique.</p> <ul style="list-style-type: none"> *BY prefixed samples were analysed by Labwest in Perth. The sample analysis uses a Sodium Peroxide Fusion (AF01) with an Inductively Coupled Plasma Mass Spectrometry and Inductively Coupled Plasma (ICP) Mass Spectrometry (MS) and Optical Emission Spectrometry (OES) finish. A total of 59 elements were analysed * <p>The Fusion digest is considered the industry standard for analysis of REE minerals and provides a total digest for analysis of REE contained in resistate minerals (monazite, xenotime)</p> <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023
<p>Verification of sampling and assaying</p>	<ul style="list-style-type: none"> The verification of significant intersections by either independent or alternative company personnel. 	<p>Byro East</p> <ul style="list-style-type: none"> Independent checks or field duplicates were not conducted for rock chips and are not considered necessary for that type of sample. <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March

Criteria	JORC Code explanation	Commentary
	<ul style="list-style-type: none"> The use of twinned holes. 	<p>2023</p> <p>Byro East</p> <ul style="list-style-type: none"> No Drilling Reported <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023
	<ul style="list-style-type: none"> Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. 	<p>Byro East</p> <ul style="list-style-type: none"> No Drilling Reported <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023
	<ul style="list-style-type: none"> Discuss any adjustment to assay data. 	<p>Byro East</p> <ul style="list-style-type: none"> Oxide conversions calculated for REE (see Data Aggregation Methods section) Data used for gridded soil geochem images were levelled using the IOGAS Zscore Log function and levelled on the laboratory sieve size as there was an analytical bias (increasing metal concentrations) towards the finer - 75um assayed sieved size for the prospect samples collected on a 320m x 80m spacing vs -180um assayed sieved size for regional 450m x 450m spaced samples. JORC table for soil geochemistry has been previously reported All point geochemistry used in this announcement has not been adjusted and considered to be the raw results received from the laboratory <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer

Criteria	JORC Code explanation	Commentary
		<p>to ASX:C1X announcement 29 March 2023</p> <ul style="list-style-type: none"> Data used for gridded soil geochem images were levelled using the IOGAS Zscore Log function and levelled on the interpreted lithology to remove any inherent metal bias in an attempt to show true metal anomalism.
Location of data points	<ul style="list-style-type: none"> 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. 	<p>Byro East</p> <ul style="list-style-type: none"> Rock chip sample locations were surveyed using a handheld GPS using the UTM coordinate system, with an accuracy of +/-5m. <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023
	<ul style="list-style-type: none"> Specification of the grid system used. 	<p>Byro East</p> <ul style="list-style-type: none"> MGA94 zone 50 <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023
	<ul style="list-style-type: none"> Quality and adequacy of topographic control. 	<p>Byro East</p> <ul style="list-style-type: none"> Elevation data not collected from handheld GPS <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023
Data spacing and distribution	<ul style="list-style-type: none"> Data spacing for reporting of Exploration Results. 	<p>Byro East</p> <ul style="list-style-type: none"> Rock samples were limited to exposure of subcrop/outcrop over areas of geophysical and geochemical anomalies. At times collection of rock chip samples corresponded to previous soil samples sites that were collected on either a 320mx80m or

Criteria	JORC Code explanation	Commentary
		<p>450m x 450m grid</p> <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023
	<ul style="list-style-type: none"> 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. 	<p>Byro East</p> <ul style="list-style-type: none"> Further sampling work is required to establish continuity of mineralisation
	<ul style="list-style-type: none"> Whether sample compositing has been applied 	<p>Byro East</p> <ul style="list-style-type: none"> No drilling or channel composite samples reported in this announcement. <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023
<p>Orientation of data in relation to geological structure</p>	<ul style="list-style-type: none"> Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. 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. 	<p>Byro East</p> <ul style="list-style-type: none"> Reconnaissance rock sampling by Cosmos Exploration were limited to exposed subcrops and outcrops. The orientation of anomalous mineralised samples is unknown however the current interpretation is that mineralisation is related to lithology which has a general NE-SW trend that corresponds to the broader steeply dipping regional foliation which broadly is seen aligning with the N-S, NE-SW, NW-SE magnetic features and lineaments in geophysical imagery. Several E-W trending dykes cross cut the region and it is currently unknown if these units are mineralised.

Criteria	JORC Code explanation	Commentary
		<p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023
Sample security	<ul style="list-style-type: none"> The measures taken to ensure sample security. 	<p>Byro East</p> <ul style="list-style-type: none"> Samples were given individual samples numbers for tracking and photographed The sample chain of custody was overseen by the Company's geologists Samples were kept in individual calicos and tied and transported in zipped tied green sample bags to the laboratory in Perth <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023
Audits or reviews	<ul style="list-style-type: none"> The results of any audits or reviews of sampling techniques and data. 	<p>Byro East</p> <ul style="list-style-type: none"> The sampling techniques and analytical data are monitored by the Company's geologists. An audit was completed by an independent geochemist. Audit suggested to include field duplicates when sampling. <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023

Section 2 Reporting of Exploration Results

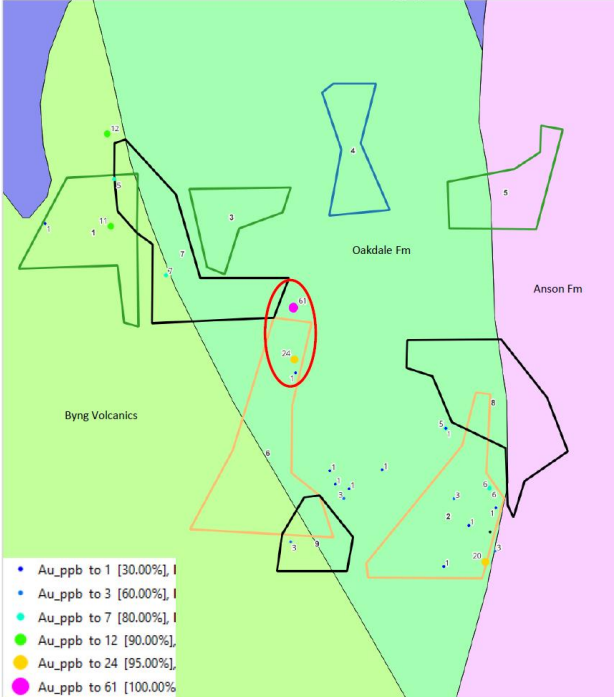
(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
<p>Mineral tenement and land tenure status</p>	<ul style="list-style-type: none"> 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 security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area. 	<p>Byro East</p> <ul style="list-style-type: none"> The project is located approximately 300 km southeast of the township of Carnarvon in the Gascoyne region. The project comprises six granted exploration licences. E09/2386 E09/2387 E09/2408 E09/2409 E09/2443 E09/2525 The tenements are held by Cosmos Exploration Ltd and RareX Ltd The tenements lie within Native Title Determined Areas of the Wajarri Yamatji People All the tenements are in good standing with no known impediments for early stage exploration work. <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023
<p>Exploration done by other parties</p>	<ul style="list-style-type: none"> Acknowledgment and appraisal of exploration by other parties. 	<p>Byro East</p> <ul style="list-style-type: none"> No previous systematic exploration for carbonatite-associated mineralisation had been previously completed. The Byro East Project has been explored for Ni-Cu and gold mineralisation since the discovery of outcropping Ni-Cu gossans in 1970. The project area has been subject to sporadic and fragmented exploration in the past by various explorers. Exploration work has concentrated on outcropping or sub-cropping areas towards the western tenement boundaries over Cosmos' Dotyback Prospect and is predominantly restricted to rock chip, stream sediment or surface geochemical sampling. The only gridded soil survey completed prior to 2021, was completed by Jododex in 1972. A total of two reverse circulation drill holes and

Criteria	JORC Code explanation	Commentary
		<p>two ground EM surveys are known within the project area, in addition to surface geochemical sampling. Cosmos in May 2022 completed a soil survey over and extending the Jododex survey now named the Dottyback prospect.</p> <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023
Geology	<ul style="list-style-type: none"> Deposit type, geological setting and style of mineralisation. 	<p>Byro East</p> <ul style="list-style-type: none"> The Company's tenements in the Gascoyne Mineral Field upon recent findings in this release are prospective for rare earth mineralisation associated with mafic to ultramafic alkaline-carbonatite complex's in addition to Ni-Cu-PGE magmatic nickel and orogenic gold type deposits. REE mineralisation style at each prospect are not well understood. The Project is located in the Narryer Terrane which forms the north western corner of the Yilgarn Craton. Geology consists of a high-grade metasedimentary rock predominately quartzo feldspathic gneisses and migmatites with amphibolite's quartzites, Banded Iron Formations (BIF), felsic volcanics and mafic-ultramafic intrusions. <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023
Data aggregation methods	<ul style="list-style-type: none"> 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. Where aggregate intercepts incorporate short lengths of high 	<p>Byro East</p> <ul style="list-style-type: none"> No drilling reported in this announcement however rock assay results are converted to stoichiometric oxide (REO) using element-to-stoichiometric oxide conversion factors. These stoichiometric conversion factors are stated in the table below Rare earth oxide is the industry accepted form for reporting rare earth metal assay results.

Criteria	JORC Code explanation	Commentary																																																																				
	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.	<ul style="list-style-type: none"> Heavy Rare Earth Oxide (HREO) % refers to total of all HREO species divided by the total rare earth oxide (TREO) expressed as a percent. NdPr ratio refers to the % calculation of $\text{Nd}_2\text{O}_3 + \text{Pr}_6\text{O}_{11}$ / REO expressed as a percent. <table border="1"> <thead> <tr> <th>Element</th> <th>Conversion Factor</th> <th>Oxide Form</th> <th>Type</th> </tr> </thead> <tbody> <tr><td>Ce</td><td>1.2284</td><td>CeO2</td><td>Light</td></tr> <tr><td>Dy</td><td>1.1477</td><td>Dy2O3</td><td>Heavy</td></tr> <tr><td>Er</td><td>1.1435</td><td>Er2O3</td><td>Heavy</td></tr> <tr><td>Eu</td><td>1.1579</td><td>Eu2O3</td><td>Heavy</td></tr> <tr><td>Gd</td><td>1.1526</td><td>Gd2O3</td><td>Heavy</td></tr> <tr><td>Ho</td><td>1.1455</td><td>Ho2O3</td><td>Heavy</td></tr> <tr><td>La</td><td>1.1728</td><td>La2O3</td><td>Light</td></tr> <tr><td>Lu</td><td>1.1372</td><td>Lu2O3</td><td>Heavy</td></tr> <tr><td>Nd</td><td>1.1664</td><td>Nd2O3</td><td>Light</td></tr> <tr><td>Pr</td><td>1.2082</td><td>Pr6O11</td><td>Light</td></tr> <tr><td>Sc</td><td>1.5338</td><td>Sc2O3</td><td></td></tr> <tr><td>Sm</td><td>1.1596</td><td>Sm2O3</td><td>Light</td></tr> <tr><td>Tb</td><td>1.1762</td><td>Tb4O7</td><td>Heavy</td></tr> <tr><td>Tm</td><td>1.1421</td><td>Tm2O3</td><td>Heavy</td></tr> <tr><td>Y</td><td>1.2699</td><td>Y2O3</td><td>Heavy</td></tr> <tr><td>Yb</td><td>1.1387</td><td>Yb2O3</td><td>Heavy</td></tr> </tbody> </table> <ul style="list-style-type: none"> Data used for Byro East gridded soil geochem images were levelled using the IOGAS Zscore Log function and levelled on the laboratory sieve size as there was an analytical bias (increasing metal concentrations) towards the finer -75um assayed sieved size for the prospect samples collected on a 320m x 80m spacing vs -180um assayed sieved size for regional 450m x 450m spaced samples. JORC table for soil geochemistry has been previously reported All point geochemistry used in this announcement has not been adjusted and considered to be the raw results received from the laboratory Data used for Orange East gridded soil geochem images were levelled using the IOGAS Zscore Log function and levelled on the interpreted lithology (Byng Mafic Volcanics vs Anson Fm sediments) to remove bias in metal 	Element	Conversion Factor	Oxide Form	Type	Ce	1.2284	CeO2	Light	Dy	1.1477	Dy2O3	Heavy	Er	1.1435	Er2O3	Heavy	Eu	1.1579	Eu2O3	Heavy	Gd	1.1526	Gd2O3	Heavy	Ho	1.1455	Ho2O3	Heavy	La	1.1728	La2O3	Light	Lu	1.1372	Lu2O3	Heavy	Nd	1.1664	Nd2O3	Light	Pr	1.2082	Pr6O11	Light	Sc	1.5338	Sc2O3		Sm	1.1596	Sm2O3	Light	Tb	1.1762	Tb4O7	Heavy	Tm	1.1421	Tm2O3	Heavy	Y	1.2699	Y2O3	Heavy	Yb	1.1387	Yb2O3	Heavy
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Criteria	JORC Code explanation	Commentary
		concentrations between lithologies.
	<ul style="list-style-type: none"> The assumptions used for any reporting of metal equivalent values should be clearly stated. 	<ul style="list-style-type: none"> No metal equivalents reported in this announcement
Relationship between mineralisation widths and intercept lengths	<ul style="list-style-type: none"> 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'). 	<p>Byro East</p> <ul style="list-style-type: none"> Rock samples are sourced from various geophysical and geochemical areas. Relationship between mineralisation and widths is not known. <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023 It was observed that mineralisation was commonly constrained to the Anson Formation in aircore drilling. The relationship between the mineralisation and geometry is not known and not considered significant given the low gold grades
Diagrams	<ul style="list-style-type: none"> 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. 	<p>Byro East</p> <ul style="list-style-type: none"> Appropriate maps and tables are included in the body of the Report. <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023 Drillhole assays are not considered significant having only 3 x composite grades greater than 30ppb Au and max 82ppb Au in drilling. X-Sections have been omitted as they do not provide additional value for these values
Balanced reporting	<ul style="list-style-type: none"> 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. 	<p>Byro East</p> <ul style="list-style-type: none"> No drilling reported in this announcement. All rock chip samples of REE mineralisation considered important at the Leatherback prospect have been reported out of a total of 12 samples assayed. The reported sample batches also included some samples collected as part of ongoing evaluation of the geology of the area.

Criteria	JORC Code explanation	Commentary																		
		<ul style="list-style-type: none"> The accompanying document is a balanced report of recent rock samples assays <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023 27 Rock chip samples were collected within the soil sampling area but omitted from this announcement. Highest reported rock chips occurred within the aircore drill pattern. Max Rock Chip Value was 61ppb.  <p>The map displays a geological area with three main units: Byng Volcanics (green), Oakdale Fm (light green), and Anson Fm (pink). Numerous sample locations are marked with colored dots and numbered. A legend in the bottom left corner provides the following data:</p> <table border="1"> <tr><td>•</td><td>Au_ppb to 1</td><td>[30.00%]</td></tr> <tr><td>•</td><td>Au_ppb to 3</td><td>[60.00%]</td></tr> <tr><td>•</td><td>Au_ppb to 7</td><td>[80.00%]</td></tr> <tr><td>•</td><td>Au_ppb to 12</td><td>[90.00%]</td></tr> <tr><td>•</td><td>Au_ppb to 24</td><td>[95.00%]</td></tr> <tr><td>•</td><td>Au_ppb to 61</td><td>[100.00%]</td></tr> </table>	•	Au_ppb to 1	[30.00%]	•	Au_ppb to 3	[60.00%]	•	Au_ppb to 7	[80.00%]	•	Au_ppb to 12	[90.00%]	•	Au_ppb to 24	[95.00%]	•	Au_ppb to 61	[100.00%]
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•	Au_ppb to 61	[100.00%]																		
<p>Other substantive exploration data</p>	<ul style="list-style-type: none"> 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. 	<p>Byro East</p> <ul style="list-style-type: none"> All meaningful and material exploration data available to the Company is disclosed in the body of this announcement. All of the relevant historical exploration data has been included in this report. All historical exploration information is available via WAMEX. <p>Orange East</p> <ul style="list-style-type: none"> Information relating to Quintons Orange East Prospect please to Refer to ASX:C1X announcement 29 March 2023 																		

Criteria	JORC Code explanation	Commentary
Further work	<ul style="list-style-type: none"> The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive. 	<p>Byro East</p> <ul style="list-style-type: none"> Further work is described in the body of this announcement. On-going exploration in the area is a high priority for the Company. Exploration to include infill soil sampling and rock chip sampling <p>Orange East</p> <ul style="list-style-type: none"> Additional Soil Sampling