

16 September 2025

Wuudagu Project Update

- Low-silica, ferruginous bauxite has been discovered at East Kalumburu A
 - 2m at 37% Al₂O₃ and 4% SiO₂ from 1m in EKA1
 - 3m at 33% Al₂O₃ and 4% SiO₂ from 2m in EKA13
 - 5m at 36% Al₂O₃ and 6% SiO₂ from 1m in EKA15
 - 6m at 36% Al₂O₃ and 4% SiO₂ from 1m in EKA20
 - 5m at 32% Al₂O₃ and 5% SiO₂ from 1m in EKA21
 - 4m at 35% Al₂O₃ and 7% SiO₂ from 2m in EKA24
 - 3m at 39% Al₂O₃ and 6% SiO₂ from 2m in EKA25
 - 5m at 33% Al₂O₃ and 6% SiO₂ from 1m in EKA32
- Ausenco appointed as Wuudagu DFS Manager
- Dr Paul Vogel AM appointed as Strategic Advisor
- Drilling programs progressing well
 - 65 holes and 390m of exploration drilling completed at Wuudagu D
 - 257 holes and 2,483m of infill drilling completed at Wuudagu B
 - 28 holes and 168m of infill drilling completed at Wuudagu CNN
 - 68 holes and 584m of infill drilling completed at Wuudagu C
 - 18 holes and 1,168m of hydrogeological drilling completed at Wuudagu
- Additional bulk sampling program underway

VBX Limited (ASX: VBX) ("**VBX**" or the "**Company**") is pleased to provide an update on progress towards development of the Wuudagu bauxite project ("**Wuudagu**" or the "**Project**") in northern Western Australia.

VBX Founder and Managing Director Ryan de Franck said:

"The low-silica bauxite discovered at East Kalumburu is close to the Wuudagu deposits, has attractive blending characteristics and provides another potential opportunity to extend the mine life from the broader Wuudagu area."

"Appointing Ausenco as the DFS Manager and Dr Paul Vogel AM as a Strategic Advisor are strong endorsements of Wuudagu and our commitment to developing and operating the Project in a socially and environmentally responsible manner for the benefit of a broad range of stakeholders."

"The team is doing a great job up on site with exploration, infill and hydrogeological drilling and bulk sampling all progressing in parallel and expected to be completed in October."

East Kalumburu A

Assay results received from the first 32 holes and 617m of exploration drilling show that VBX has discovered low-silica, ferruginous bauxite mineralisation at East Kalumburu A which warrants additional investigations.

East Kalumburu A is a 4.7km² bauxitic plateau located within exploration licence E80/4791-I on Balangarra country near Kalumburu in northern Western Australia. VBX was recently granted an extension of term until 26/07/2027 for the E80/4791-I licence, which contains the East Kalumburu A, B and C plateau areas.

Collar locations for EKA1 to EKA32 are shown in Figure 1 below and provided as Appendix A.

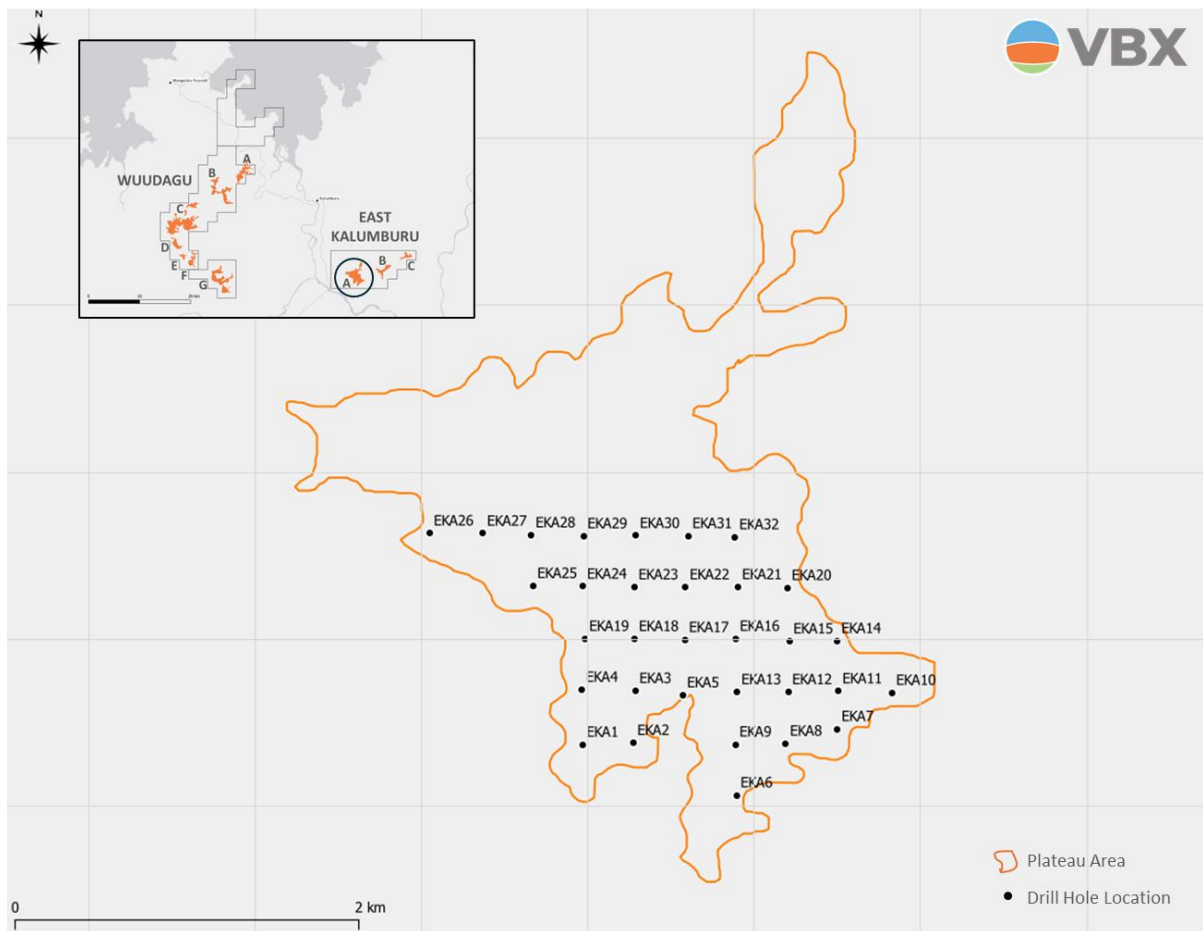


Figure 1: East Kalumburu A Plateau and Drill Hole Locations

Assay results received to date (by hole number) include:

- 2m at 37% Al₂O₃ and 4% SiO₂ from 1m in EKA1
- 3m at 33% Al₂O₃ and 4% SiO₂ from 2m in EKA13
- 5m at 36% Al₂O₃ and 6% SiO₂ from 1m in EKA15
- 6m at 36% Al₂O₃ and 4% SiO₂ from 1m in EKA20
- 5m at 32% Al₂O₃ and 5% SiO₂ from 1m in EKA21
- 4m at 35% Al₂O₃ and 7% SiO₂ from 2m in EKA24
- 3m at 39% Al₂O₃ and 6% SiO₂ from 2m in EKA25
- 5m at 33% Al₂O₃ and 6% SiO₂ from 1m in EKA32

The Company also notes that anomalous gold (up to 12ppb in EKA9-06) and total rare earth element (up to 2,724ppm in EKA32-31) results are present lower in the lateritic profile which requires additional investigation and consideration. Full assay results for all 32 holes are provided as Appendix B.

DFS Manager

The Company is pleased to announce the appointment of Ausenco Services Pty Ltd (**Ausenco**) as the Wuudagu Definitive Feasibility Study (**DFS**) Manager, following a competitive tender process.

Ausenco is a leading global engineering services firm with significant experience in the bauxite and alumina industry and more broadly across metallurgy and beneficiation, product transport logistics and supporting infrastructure.

Ausenco's initial focus is on optimising the Wuudagu beneficiation and product transport logistics targeting increased mass recovery and product throughput and reduced operating costs.

In finalising the detailed scope of works and schedule with Ausenco, the Company has agreed to a targeted DFS completion date of Q1 2026.

The Company notes that George Lloyd is the Chairman of both VBX and Ausenco Pty Ltd. Given this conflict of interest, Mr Lloyd was not involved in the evaluation of the Ausenco proposal or the Board approval of the appointment. The Board is satisfied that the terms of the engagement were negotiated on an arm's length basis.

Strategic Advisor

The Company is pleased to have engaged experienced government environmental regulation and strategy specialist Dr Paul Vogel AM as a Strategic Advisor in relation to the approvals pathway, coherence of environmental assessment documentation and stakeholder engagement for Wuudagu.

Dr Vogel has a PhD in chemistry and extensive knowledge and experience across a broad range of environmental and sustainability issues, organisational and regulatory reform, and the delivery of strategic environmental and business outcomes.

He is the current Chairperson of the Northern Territory Environment Protection Authority and Deputy Chairperson of the national Cooperative Research Centre on Transformations in Mining Economies. He was previously the Chairman of Western Australia's EPA and was also the inaugural Chief Executive and Chairman of the South Australian EPA. Prior to that, he held senior executive positions in the WA Departments of Premier and Cabinet and Environmental Protection.

Drilling Program Update

Drilling activities commenced in late June as part of the 2025 work program. The drilling program includes:

- exploration drilling of the East Kalumburu A and Wuudagu D, E and F plateaus
- infill drilling of the Wuudagu B, C, CN and CNN resource areas, and
- additional hydrogeological drilling.

The exploration and infill drilling are targeting an increase in the size and confidence in the 96Mt Indicated and Inferred Resource that has been defined to date. The results will be incorporated into an updated resource estimate in support of an optimised mine plan for the Wuudagu DFS.

The additional hydrogeological drilling at Wuudagu will also support the DFS as well as finalisation of hydrogeological studies and the lodgement of the Wuudagu Environmental Review Document ("**ERD**").

Exploration Drilling

At Wuudagu D, 65 holes for 390m of exploration drilling have been completed, with drilling still underway. Samples are being prepared for transport to Perth for analysis.

The 300m by 300m exploration program at East Kalumburu A and the 150m by 150m exploration program, across the Wuudagu D, E and F plateau areas, is targeting an increase in the size of the existing Indicated and Inferred Resource that has been defined to date.

Infill Drilling

At Wuudagu B, 257 holes for 2,483m of infill drilling have been completed. The first batch of these samples has been transported to Perth and is currently being assayed. Initial results are expected to be received in October. The remaining samples are being prepared for transport to Perth for analysis.

At Wuudagu CNN, 28 holes for 168m of infill drilling have been completed. Samples are being prepared for transport to Perth for analysis.

At Wuudagu C, 68 holes for 584m of infill drilling have been completed, with drilling still underway. Samples are being prepared for transport to Perth for analysis.

The 75m by 150m infill drilling program, across the Wuudagu B, C and CNN resource areas, is targeting an increase in the confidence of the existing Indicated and Inferred Resource that has been defined to date.

Hydrogeological Drilling

Across the Wuudagu area, 18 holes for 1,168m of hydrogeological drilling have been completed, with drilling still underway. Encouraging results continue to be observed, with airlift yields above 5 litres per second recorded across three separate target areas. Larger diameter production bores are being installed at these locations in preparation for pump testing to commence.

Bulk Sampling Program

A backhoe has been mobilised to site and is collecting bulk samples from the Wuudagu B and Wuudagu CNN deposits to undertake additional characterisation and scrubbing and screening test work.

Authorised for release by the Board of Directors of VBX Limited.

For further information, please contact:

INVESTORS

Ryan de Franck
Managing Director
ryand@vbx.limited

MEDIA

Russell Quinn
Sodali & Co
russell.quinn@sodali.com
+61 403 322 097

About VBX Limited

VBX Limited is a responsible and near-term producer of high-quality, low-silica Australian bauxite, unlocking the potential of scalable assets to supply a rapidly growing market.

Established in 2013, VBX is focused on the near-term development of high-grade, low-silica bauxite resources at its flagship project, Wuudagu, in northern Western Australia. The Project boasts a flat orebody with a low-strip ratio. It is located 30km from the coast and has an initial mine life of 10 years supported by a 59Mt Probable Ore Reserve. VBX is poised for growth, with 52% of the Wuudagu target areas undrilled, and additional exploration prospectivity at the large-scale Takapinga project in the Northern Territory.

The VBX team is committed to a socially and environmentally responsible approach to exploration, and building strong relationships with Traditional Owners and local communities. VBX aspires to having a positive community and regional influence that lasts beyond the Company's operations.

What is Bauxite?

Bauxite is the primary raw material for aluminium, a metal that has become essential for modern industries, national security, technological development, and global decarbonisation efforts.

Mined bauxite ore is refined into alumina, and then smelted to extract aluminium metal, which can then be formed into a variety of semi-fabricated or complete products for use across a range of sectors including renewable energy generation, electric vehicles, energy transmission, packaging and consumer products.

Aluminium demand is forecast to grow by 30Mt, or 29% by 2030. A global focus on decarbonization, sustainability and technological innovation is expected to have a substantial impact on aluminium demand, with accelerated supply requirements driven by rapid growth in China, South East Asia and North America.

Chinese bauxite imports have increased at a compound annual growth rate of 25% for 20 years, with an additional 39Mtpa required by 2035. Due to ongoing drivers of bauxite supply risk, including resource nationalism, sovereign risk, resource depletion and environmental issues, new mines are required in low-sovereign risk nations to meet rising demand.

Forward Looking Statements

This announcement contains forward-looking information about the Company and its operations. In certain cases, forward-looking information may be identified by such terms as "anticipates", "believes", "should", "could", "estimates", "target", "likely", "plan", "expects", "may", "intend", "shall", "will", or "would". These statements are based on information currently available to the Company and the Company provides no assurance that actual results will meet management's expectations. Forward-looking statements are subject to risk factors associated with the Company's business, many of which are beyond the control of the Company. It is believed that the expectations reflected in these statements are reasonable but they may be affected by a variety of variables and changes in underlying assumptions which could cause actual results or trends to differ materially from those expressed or implied in such statements. There can be no assurance that actual outcomes will not differ materially from these statements.

Competent Persons Statement

The information in this report that relates to Exploration Results is based on, and fairly represents information and supporting documentation prepared by Mr Chris Handley, a Competent Person and personal consultant to the Company, who is a Member of Australasian Institute of Mining and Metallurgy (AusIMM). Mr Handley has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resource and Ore Reserves". Mr Handley consents to the inclusion in this report of the matters based on their information in the form and context in which it appears.

The information in this announcement that relates to the Wuudagu Mineral Resource is extracted from the Wuudagu Independent Technical Assessment Report dated May 2025 prepared by Rodney Brown (MAusIMM), a Principal Consultant at SRK Consulting (Australasia) Pty Ltd and included in the Company's Replacement Prospectus lodged with ASIC on 16 May 2025 ("**Prospectus**") which is available on the Company's website www.vbx.limited and the ASX website (ASX code: VBX).

The Company confirms that it is not aware of any new information or data that materially affects this information and that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings that are presented have not been materially modified.

The information in this announcement that relates to the Wuudagu Ore Reserve estimate is extracted from the Wuudagu Independent Technical Assessment Report dated May 2025 and prepared by Daniel Donald (MAusIMM), a Principal Consultant at Entech Pty Ltd and included in the Company's Prospectus lodged with ASIC on 16 May 2025 which is available on the Company's website www.vbx.limited and the ASX website (ASX code: VBX).

The Company confirms that it is not aware of any new information or data that materially affects this information and that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings that are presented have not been materially modified.

Compliance Statement

Production targets and forecast financial information referred to in this announcement are extracted from the Wuudagu Independent Technical Assessment Report dated May 2025 and included in the Company's Prospectus lodged with ASIC on 16 May 2025 which is available on the Company's website www.vbx.limited and the ASX website (ASX code: VBX). The Company confirms that all material

assumptions underpinning the production targets, or the forecast financial information derived from the production targets, continue to apply and have not materially changed.

Appendix A - East Kalumburu A Drill Collar Locations

Hole ID	GPS Easting MGA	GPS Northing MGA	Dip	Tenement	Samples (From) (ID FROM)	Samples (To) (ID TO)	Actual (AC) Depth
EKA1	252804	8402487	-90	E80/4791-1	EKA1-1	EKA1-20	20
EKA2	253100	8402500	-90	E80/4791-1	EKA2-1	EKA2-20	20
EKA3	253109	8402800	-90	E80/4791-1	EKA3-1	EKA3-17	17
EKA4	252798	8402804	-90	E80/4791-1	EKA4-01	EKA4-20	20
EKA5	253387	8402778	-90	E80/4791-1	EKA5-01	EKA5-20	20
EKA6	253704	8402204	-90	E80/4791-1	EKA6-01	EKA6-20	20
EKA7	254288	8402592	-90	E80/4791-1	EKA7-01	EKA7-20	20
EKA8	253989	8402505	-90	E80/4791-1	EKA8-01	EKA8-20	20
EKA9	253695	8402497	-90	E80/4791-1	EKA9-01	EKA9-18	18
EKA10	254604	8402804	-90	E80/4791-1	EKA10-1	EKA10-16	16
EKA11	254291	8402810	-90	E80/4791-1	EKA11-1	EKA11-20	20
EKA12	253999	8402802	-90	E80/4791-1	EKA12-1	EKA12-18	18
EKA13	253703	8402799	-90	E80/4791-1	EKA13-1	EKA13-16	16
EKA14	254282	8403100	-90	E80/4791-1	EKA14-1	EKA14-17	17
EKA15	254003	8403095	-90	E80/4791-1	EKA15-1	EKA15-18	18
EKA16	253691	8403107	-90	E80/4791-1	EKA16-1	EKA16-18	18
EKA17	253395	8403097	-90	E80/4791-1	EKA17-01	EKA17-39	39
EKA18	253103	8403100	-90	E80/4791-1	EKA18-01	EKA18-20	20
EKA19	252814	8403098	-90	E80/4791-1	EKA19-01	EKA19-18	18
EKA20	253990	8403403	-90	E80/4791-1	EKA20-01	EKA20-18	18
EKA21	253701	8403405	-90	E80/4791-1	EKA21-01	EKA21-15S	15
EKA22	253396	8403401	-90	E80/4791-1	EKA22-01	EKA22-17	17
EKA23	253098	8403398	-90	E80/4791-1	EKA23-01	EKA23-15	15
EKA24	252798	8403399	-90	E80/4791-1	EKA24-01	EKA24-16S	16
EKA25	252509	8403400	-90	E80/4791-1	EKA25-01	EKA25-15	15
EKA26	251903	8403697	-90	E80/4791-1	EKA26-01	EKA26-15	15
EKA27	252213	8403699	-90	E80/4791-1	EKA27-01	EKA27-17	17
EKA28	252496	8403692	-90	E80/4791-1	EKA28-01	EKA28-16	16
EKA29	252798	8403690	-90	E80/4791-1	EKA29-01	EKA29-29	29
EKA30	253103	8403695	-90	E80/4791-1	EKA30-01	EKA30-18	18
EKA31	253409	8403697	-90	E80/4791-1	EKA31-01	EKA31-18	18
EKA32	253682	8403693	-90	E80/4791-1	EKA32-01	EKA32-33	33

Appendix B - East Kalumburu A Drilling Assay Results

	Al2O3	SiO2	As2O3	BaO	CaO	Cl	Co3O4	Cr2O3	CuO	Fe2O3	Ga2O3	K2O	MgO	MnO	Na2O	NiO	P2O5	PbO	Sb2O3	SO3	SrO	TiO2	V2O5	ZnO	ZrO2	LOI1000	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	Au		
Units	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LLD	0.01	0.01	0.001	0.001	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001	0.01	0.001	0.001	0.001	0.001	0.001	0.001	0.01	1	0.5	0.1	0.5	0.5	0.1	1	0.5	1	0.5	0.5	0.1	0.5	0.5	0.1	0.5	0.5	0.1	0.001	
EKA1-01	22.02	35.08	0.003	0.011	0.60	<0.01	<0.001	0.021	0.001	29.57	<0.01	0.156	0.140	0.049	0.060	<0.001	0.073	0.006	<0.01	0.027	0.005	1.987	0.110	0.002	0.086	9.73	28	3.0	1.7	1.0	2.5	0.9	13	<0.5	13	3.0	3.0	0.6	17.5	0.5	4.0	17.5	2.0	<0.001		
EKA1-02	38.27	4.04	0.004	0.008	0.02	<0.01	<0.001	0.023	0.002	33.32	<0.01	0.007	0.020	<0.001	0.030	<0.001	0.056	0.004	<0.01	0.045	0.002	3.522	0.134	<0.001	0.080	20.38	10	1.5	1.5	<0.5	1.0	0.5	2	<0.5	3	0.5	1.0	0.2	16.0	0.3	5.5	14.0	1.7	0.001		
EKA1-03	35.02	4.55	0.004	0.009	0.02	<0.01	<0.001	0.028	0.005	38.56	<0.01	0.003	0.020	0.002	0.030	<0.001	0.058	0.004	<0.01	0.049	0.003	3.358	0.165	<0.001	0.082	18.25	8	1.5	1.6	<0.5	1.0	0.6	1	1.0	2	<0.5	1.0	0.2	17.0	0.4	4.5	11.5	1.7	<0.001		
EKA1-04	23.67	8.37	0.005	0.009	0.02	<0.01	0.001	0.032	0.014	51.65	<0.01	0.007	0.030	0.011	0.020	<0.001	0.082	0.006	<0.01	0.052	0.003	2.033	0.236	0.003	0.074	13.73	6	1.0	1.1	<0.5	0.5	0.3	1	<0.5	3	0.5	1.0	0.2	16.5	0.2	4.0	7.5	1.1	0.001		
EKA1-05	25.36	21.65	0.004	0.008	0.01	<0.01	<0.001	0.026	0.007	37.79	<0.01	0.007	0.020	<0.001	0.020	<0.001	0.090	0.005	<0.01	0.050	0.003	2.443	0.220	0.002	0.065	12.23	11	1.5	1.1	<0.5	1.0	0.3	3	<0.5	4	1.0	1.0	0.2	14.5	0.3	4.0	8.0	1.3	0.002		
EKA1-06	27.74	19.12	0.003	0.005	<0.01	<0.01	<0.001	0.028	0.001	36.04	<0.01	<0.001	0.020	0.001	0.020	<0.001	0.070	0.006	<0.01	0.077	0.004	3.641	0.231	<0.001	0.079	13.04	5	1.5	1.8	<0.5	1.0	0.4	2	1.0	3	0.5	1.0	0.1	14.0	0.4	3.0	11.5	1.7	<0.001		
EKA1-07	21.73	22.27	0.004	0.006	<0.01	<0.01	<0.001	0.025	0.005	43.40	<0.01	0.001	0.020	<0.001	0.020	<0.001	0.073	0.005	<0.01	0.068	0.003	1.990	0.221	<0.001	0.045	10.04	5	1.0	1.2	<0.5	1.0	0.3	2	<0.5	5	1.0	1.0	0.1	9.0	0.2	3.0	7.5	1.3	0.001		
EKA1-08	19.87	21.73	0.004	0.011	0.01	<0.01	0.002	0.015	0.007	46.69	<0.01	0.004	0.020	<0.001	0.010	<0.001	0.063	0.006	<0.01	0.060	0.004	1.579	0.207	<0.001	0.032	9.71	5	1.0	0.7	<0.5	0.5	0.2	3	<0.5	4	1.0	1.0	0.1	7.0	0.1	2.0	6.0	0.8	0.001		
EKA1-09	18.47	20.41	0.004	0.008	0.02	<0.01	<0.001	0.018	0.008	50.31	<0.01	0.005	0.030	<0.001	0.020	<0.001	0.070	0.008	<0.01	0.066	0.004	1.534	0.179	0.004	0.037	9.10	4	1.0	1.0	<0.5	0.5	0.2	2	<0.5	3	1.0	1.0	0.2	6.0	<0.1	1.5	4.0	0.6	<0.001		
EKA1-10	19.27	20.56	0.004	0.007	<0.01	<0.01	<0.001	0.025	0.009	48.67	<0.01	0.005	0.020	<0.001	0.020	0.001	0.067	0.006	<0.01	0.071	0.003	1.641	0.225	0.003	0.039	9.44	4	0.5	0.9	<0.5	0.5	0.2	2	<0.5	3	0.5	<0.5	0.2	8.0	0.2	1.5	5.0	0.7	0.002		
EKA1-11	23.52	26.00	0.004	0.008	<0.01	<0.01	<0.001	0.026	0.005	37.43	<0.01	0.002	0.030	<0.001	0.020	<0.001	0.038	0.005	<0.01	0.070	0.003	2.169	0.201	0.002	0.044	10.49	10	1.0	0.7	<0.5	1.0	0.2	3	<0.5	4	1.0	1.0	<0.1	9.5	0.3	1.5	7.0	1.2	<0.001		
EKA1-12	20.55	23.33	0.004	0.008	0.15	<0.01	<0.001	0.014	0.009	43.60	<0.01	0.001	0.100	0.012	0.010	<0.001	0.070	0.003	<0.01	0.075	0.006	1.812	0.111	0.001	0.029	9.83	10	1.0	1.0	<0.5	1.0	0.2	4	<0.5	5	1.0	1.0	0.1	7.0	<0.1	1.5	6.5	1.0	0.001		
EKA1-13	21.07	24.12	0.003	0.004	<0.01	<0.01	0.002	0.016	0.016	42.75	<0.01	<0.001	0.030	0.003	0.020	0.002	0.062	0.007	<0.01	0.060	0.004	1.899	0.123	0.003	0.038	9.88	6	1.0	0.9	<0.5	0.5	0.3	3	0.5	3	0.5	1.0	0.1	8.0	0.2	1.5	6.0	1.1	<0.001		
EKA1-14	23.31	27.37	0.002	0.005	0.06	<0.01	<0.001	0.014	0.009	36.31	<0.01	0.008	0.060	0.007	0.020	0.002	0.057	0.004	<0.01	0.052	0.003	2.109	0.128	0.001	0.037	10.26	10	1.0	0.8	<0.5	1.0	0.2	3	<0.5	3	1.0	1.0	0.1	7.0	0.2	1.5	6.5	1.1	<0.001		
EKA1-15	26.65	31.52	0.001	0.005	0.04	<0.01	<0.001	0.013	0.006	27.90	<0.01	0.003	0.050	<0.001	0.020	<0.001	0.048	0.005	<0.01	0.039	0.003	2.467	0.097	0.002	0.041	11.04	11	1.0	0.7	<0.5	0.5	0.2	2	<0.5	3	0.5	0.5	<0.1	9.0	0.3	1.5	7.0	1.1	<0.001		
EKA1-16	23.42	27.82	0.002	0.005	0.03	<0.01	<0.001	0.015	0.008	35.93	<0.01	0.006	0.070	0.011	0.020	<0.001	0.047	0.006	<0.01	0.042	0.004	2.164	0.113	0.002	0.033	10.35	5	1.0	0.5	<0.5	0.5	0.2	2	1.0	2	<0.5	0.5	0.2	7.5	<0.1	1.5	5.0	0.7	0.001		
EKA1-17	30.40	36.04	0.002	0.005	0.03	<0.01	<0.001	0.013	0.004	17.95	<0.01	0.005	0.050	<0.001	0.030	<0.001	0.019	<0.001	<0.01	0.033	0.003	3.030	0.079	0.001	0.048	12.16	6	1.0	1.2	<0.5	0.5	0.3	2	<0.5	2	0.5	<0.5	0.1	9.5	0.1	1.0	7.0	1.2	0.001		
EKA1-18	28.45	34.08	0.002	0.009	0.02	<0.01	<0.001	0.012	0.007	22.32	<0.01	0.004	0.050	<0.001	0.030	<0.001	0.030	0.004	<0.01	0.036	0.003	2.708	0.091	0.010	0.047	12.05	10	1.0	0.8	<0.5	<0.5	0.2	9	<0.5	3	0.5	0.5	0.1	9.0	0.1	1.5	6.5	1.1	0.001		
EKA1-19	28.15	33.32	0.002	0.005	0.02	<0.01	<0.001	0.013	0.008	23.39	<0.01	0.004	0.040	<0.001	0.020	0.001	0.038	0.004	<0.01	0.036	0.003	2.631	0.116	0.003	0.045	12.11	13	1.0	0.9	<0.5	<0.5	0.2	16	<0.5	4	1.5	0.5	0.2	9.0	<0.1	1.0	5.5	0.9	<0.001		
EKA1-20	30.35	36.29	0.001	0.006	0.02	<0.01	<0.001	0.013	0.006	17.93	<0.01	0.005	0.050	0.002	0.030	0.002	0.025	0.004	<0.01	0.029	0.003	2.761	0.098	0.001	0.043	12.33	5	1.0	0.8	<0.5	0.5	0.2	7	<0.5	2	0.5	0.5	<0.1	8.5	0.2	1.5	6.0	1.0	<0.001		
EKA2-01	26.19	6.23	0.006	0.013	0.16	<0.01	<0.001	0.042	0.005	55.32	0.010	0.036	0.140	0.019	0.110	<0.001	0.095	0.009	<0.01	0.035	0.006	2.385	0.200	0.015	0.084	8.72	21	1.5	1.3	<0.5	1.0	0.3	5	1.0	5	1.5	1.0	<0.1	22.0	0.1	4.0	8.5	1.3	<0.001		
EKA2-02	29.51	8.66	0.004	0.010	0.06	<0.01	<0.001	0.033	0.004	44.96	<0.01	0.019	0.070	0.006	0.060	<0.001	0.061	0.007	<0.01	0.046	0.005	2.767	0.188	0.011	0.085	13.48	21	2.0	1.3	<0.5	1.0	0.3	3	<0.5	3	1.0	1.0	0.2	21.5	0.2	5.0	11.5	1.5	0.001		
EKA2-03	30.50	8.66	0.004	0.006	0.02	<0.01	<0.001	0.030	0.006	41.93	<0.01	0.013	0.030	0.003	0.020	<0.001	0.058	0.004	<0.01	0.048	0.003	2.870	0.178	0.006	0.077	15.51	21	2.0	1.4	<0.5	1.0	0.4	3	<0.5	3	0.5	1.0	<0.1	19.5	0.4	4.5	11.0	1.5	<0.001		
EKA2-04	33.01	11.81	0.003	0.006	0.02	<0.01	<0.001	0.026	0.007	35.86	<0.01	0.018	0.040	0.003	0.030	0.001	0.052	0.007	<0.01	0.050	0.004	3.030	0.157	0.002	0.076	15.81	19	1.5	1.6	<0.5	1.0	0.3	2	<0.5	3	0.5	1.0	0.1	16.0	0.3	4.5	9.0	1.3	0.001		
EKA2-05	30.40	11.15	0.003	0.008	<0.01	<0.01	<0.001	0.024	0.006	40.58	<0.01	0.008	0.030	0.003	0.030	0.002	0.047	0.007	<0.01	0.060	0.004	3.080	0.179	0.001	0.090	15.60	11	1.5	1.3	<0.5	0.5	0.4	1	<0.5	2	<0.5	1.0	0.2	14.5	0.3	5.0	9.5	1.5	0.001		
EKA2-06	25.59	24.11	0.003	0.010	0.02	<0.01	<0.001	0.026	0.008	35.71	<0.01	0.013	0.030	0.007	0.030	0.002	0.049	0.005	<0.01	0.053	0.003	2.484	0.149	0.008	0.067	11.72	15	1.0	1.0	<0.5	0.5	0.4	3	0.5	3	0.5	0.5	0.1	15.0	0.2	5.0	8.5	1.1	<0.001		
EKA2-07	22.16	19.62	0.003	0.009	0.02	<0.01	<0.001	0.037	0.007	44.60	<0.01	0.010	0.030	0.007	0.030	0.002	0.051																													

	Al2O3	SiO2	As2O3	BaO	CaO	Cl	Co3O4	Cr2O3	CuO	Fe2O3	Ga2O3	K2O	MgO	MnO	Na2O	NiO	P2O5	PbO	Sb2O3	SOD	SrO	TiO2	V2O5	ZnO	ZrO2	LOH10H	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	Au				
Units	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LLD	0.01	0.01	0.001	0.001	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001	0.01	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.01	1	0.5	0.1	0.5	0.5	0.1	1	0.5	1	0.5	0.5	0.1	0.5	0.1	0.5	0.1	0.001				
EKA5-11	19.06	21.59	0.004	0.006	0.02	<0.01	<0.001	0.018	0.010	47.25	<0.01	0.005	0.030	<0.001	0.020	<0.001	0.069	0.007	<0.01	0.069	0.004	1.812	0.127	0.007	0.040	9.85	5	1.0	0.5	<0.5	0.5	0.3	4	1.0	4	1.0	1.0	<0.1	8.5	<0.1	1.0	5.0	0.9	0.001				
EKA5-12	22.82	24.17	0.004	0.004	0.02	<0.01	<0.001	0.019	0.004	40.00	<0.01	0.003	0.030	<0.001	0.020	<0.001	0.058	0.006	<0.01	0.077	0.004	2.156	0.125	0.016	0.040	10.39	7	0.5	0.9	<0.5	0.5	0.2	3	1.0	3	1.0	1.0	<0.1	8.0	0.2	0.5	5.5	1.0	0.001				
EKA5-13	22.46	25.94	0.003	0.008	0.02	<0.01	<0.001	0.020	0.010	38.83	<0.01	0.002	0.020	<0.001	0.030	<0.001	0.051	0.010	<0.01	0.076	0.004	2.050	0.105	0.005	0.036	10.35	7	1.0	0.9	<0.5	0.5	0.2	3	<0.5	3	0.5	1.0	<0.1	8.0	0.3	0.5	6.0	0.9	<0.001				
EKA5-14	23.08	28.09	0.002	0.007	0.02	<0.01	<0.001	0.022	0.009	35.86	<0.01	0.001	0.030	<0.001	0.020	<0.001	0.044	0.006	<0.01	0.069	0.004	1.966	0.110	0.003	0.031	10.70	7	0.5	1.0	<0.5	<0.5	0.3	2	<0.5	3	0.5	1.0	0.1	7.5	0.4	1.0	6.0	1.1	<0.001				
EKA5-15	26.51	21.65	0.003	0.010	0.02	<0.01	<0.001	0.016	0.008	36.76	<0.01	0.004	0.030	0.015	0.020	<0.001	0.044	0.005	<0.01	0.057	0.004	2.351	0.127	0.015	0.051	12.43	16	1.0	0.9	<0.5	0.5	0.3	3	<0.5	4	1.0	1.0	0.1	11.0	0.4	2.0	7.0	1.4	<0.001				
EKA5-16	26.86	23.68	0.003	0.003	0.02	<0.01	<0.001	0.018	0.004	34.12	<0.01	0.003	0.030	0.014	0.020	<0.001	0.043	0.005	<0.01	0.063	0.004	2.464	0.109	0.024	0.048	12.41	13	1.0	1.2	<0.5	0.5	0.3	3	1.0	3	1.0	1.0	0.2	10.0	0.5	1.5	7.5	1.6	<0.001				
EKA5-17	28.43	22.49	0.003	0.004	0.02	<0.01	<0.001	0.017	0.004	32.91	<0.01	0.008	0.020	0.007	0.020	<0.001	0.044	0.004	<0.01	0.059	0.003	2.777	0.115	0.042	0.052	12.74	20	1.5	1.2	<0.5	1.0	0.4	3	1.0	5	1.0	1.5	0.2	11.5	0.6	1.0	9.5	1.5	0.001				
EKA5-18	28.29	32.71	0.002	0.004	0.02	<0.01	<0.001	0.013	0.007	24.20	<0.01	0.003	0.040	0.015	0.020	<0.001	0.027	0.004	<0.01	0.042	0.003	2.558	0.093	0.020	0.044	12.83	14	1.0	1.1	<0.5	0.5	0.3	3	0.5	3	1.0	1.0	0.2	9.0	0.4	1.0	7.5	1.5	<0.001				
EKA5-19	26.43	31.37	0.002	0.007	0.02	<0.01	<0.001	0.018	0.014	28.24	<0.01	0.005	0.050	0.017	0.020	0.002	0.040	0.005	<0.01	0.043	0.003	2.287	0.097	0.018	0.038	11.96	9	1.5	1.0	<0.5	1.0	0.3	3	1.0	3	1.5	1.0	<0.1	7.0	0.4	1.0	7.5	1.3	0.001				
EKA5-20	27.02	32.33	0.002	0.007	0.02	<0.01	<0.001	0.017	0.010	25.75	<0.01	0.005	0.040	0.009	0.020	0.002	0.040	0.002	<0.01	0.038	0.002	2.440	0.102	0.017	0.042	11.98	7	1.5	1.2	<0.5	1.0	0.4	2	<0.5	3	1.0	1.0	0.2	9.0	0.3	1.5	8.5	1.5	<0.001				
EKA6-01	23.18	25.96	0.005	0.007	0.06	<0.01	<0.001	0.032	0.001	39.29	<0.01	0.056	0.080	0.021	0.030	<0.001	0.076	0.004	<0.01	0.022	0.003	2.178	0.125	0.010	0.080	8.57	32	2.0	1.7	<0.5	1.5	0.5	8	<0.5	8	2.0	1.5	0.3	19.0	0.5	3.0	12.5	1.8	<0.001				
EKA6-02	35.58	12.14	0.003	0.006	0.02	<0.01	<0.001	0.025	0.002	31.55	<0.01	0.022	0.030	0.015	0.020	<0.001	0.040	0.004	<0.01	0.026	0.003	3.096	0.131	0.002	0.076	17.23	37	1.5	1.6	<0.5	1.0	0.4	3	<0.5	3	0.5	1.0	0.3	17.5	0.4	3.5	11.5	1.9	<0.001				
EKA6-03	32.19	14.07	0.005	0.008	0.02	<0.01	<0.001	0.024	0.002	34.63	<0.01	0.017	0.040	0.004	0.020	<0.001	0.038	<0.001	<0.01	0.025	0.002	2.666	0.129	0.031	0.068	15.92	13	1.5	1.2	<0.5	1.0	0.4	2	<0.5	2	1.0	0.5	<0.1	17.0	0.3	3.5	9.5	1.3	<0.001				
EKA6-04	32.75	13.25	0.004	0.008	0.02	<0.01	<0.001	0.022	0.002	34.99	<0.01	0.023	0.040	0.002	0.040	0.001	0.047	0.002	<0.01	0.022	0.002	2.118	0.127	0.004	0.054	16.68	11	1.5	1.0	<0.5	0.5	0.3	2	<0.5	2	0.5	1.0	<0.1	13.5	0.2	3.0	9.5	0.9	0.001				
EKA6-05	31.33	19.35	0.004	0.007	0.02	<0.01	<0.001	0.021	<0.001	31.57	<0.01	0.018	0.040	0.001	0.030	<0.001	0.045	<0.001	<0.01	0.023	0.002	2.347	0.116	0.004	0.054	15.10	11	1.0	0.8	<0.5	1.0	0.3	2	<0.5	2	0.5	0.5	<0.1	13.0	0.2	3.0	8.5	1.2	0.001				
EKA6-06	25.13	24.69	0.004	0.007	0.02	<0.01	<0.001	0.022	0.003	35.74	<0.01	0.017	0.040	<0.001	0.030	<0.001	0.054	0.002	<0.01	0.029	0.003	2.152	0.156	0.005	0.059	11.75	14	1.0	1.2	<0.5	1.0	0.3	2	<0.5	3	1.0	0.5	<0.1	14.5	0.3	2.5	7.5	1.0	<0.001				
EKA6-07	23.07	23.26	0.004	0.009	0.02	<0.01	<0.001	0.018	0.007	40.02	<0.01	0.013	0.040	0.003	0.020	<0.001	0.059	0.002	<0.01	0.038	0.003	2.036	0.149	0.002	0.052	11.27	11	1.0	0.9	<0.5	0.5	0.3	2	<0.5	3	0.5	0.5	0.1	13.0	0.2	2.5	7.0	1.0	<0.001				
EKA6-08	22.92	23.87	0.005	0.008	0.02	<0.01	<0.001	0.015	0.007	39.27	<0.01	0.015	0.040	0.001	0.020	<0.001	0.065	0.002	<0.01	0.049	0.002	1.864	0.134	0.003	0.047	11.49	12	1.0	0.8	<0.5	1.0	0.2	3	<0.5	3	0.5	1.0	<0.1	10.0	0.2	3.0	7.5	1.1	<0.001				
EKA6-09	22.44	23.24	0.004	0.007	0.02	<0.01	<0.001	0.014	0.007	40.82	<0.01	0.013	0.030	<0.001	0.020	<0.001	0.078	0.004	<0.01	0.052	0.002	1.914	0.151	0.017	0.042	11.03	11	1.0	1.1	<0.5	1.0	0.2	3	<0.5	4	1.0	1.0	0.1	10.5	0.2	2.5	7.0	1.0	<0.001				
EKA6-10	23.31	25.15	0.003	0.006	0.02	<0.01	<0.001	0.012	<0.001	37.52	<0.01	0.012	0.040	<0.001	0.020	<0.001	0.071	0.002	<0.01	0.047	0.002	1.741	0.134	0.002	0.040	11.79	17	1.5	1.1	<0.5	1.0	0.3	4	<0.5	5	1.0	1.0	0.2	8.5	0.4	2.5	7.5	1.3	0.001				
EKA6-11	20.90	22.51	0.003	0.007	0.02	<0.01	<0.001	0.018	0.003	42.80	<0.01	0.008	0.040	0.007	0.020	<0.001	0.062	0.004	<0.01	0.058	0.003	1.640	0.155	0.003	0.037	11.65	11	1.5	1.0	<0.5	1.0	0.3	4	<0.5	5	1.5	1.5	0.2	8.5	0.3	2.5	7.5	1.2	<0.001				
EKA6-12	23.29	26.12	0.003	0.009	0.02	<0.01	<0.001	0.014	0.003	37.41	<0.01	0.004	0.030	0.004	0.010	<0.001	0.057	0.004	<0.01	0.070	0.003	1.607	0.126	0.014	0.033	11.15	10	1.5	0.9	<0.5	1.0	0.3	5	<0.5	6	1.5	1.5	0.1	7.5	0.1	1.5	7.0	1.2	<0.001				
EKA6-13	23.23	26.48	0.004	0.008	0.02	<0.01	<0.001	0.018	0.008	37.15	<0.01	0.007	0.030	0.008	0.020	<0.001	0.065	0.004	<0.01	0.077	0.003	1.858	0.134	0.014	0.037	10.85	11	1.5	0.7	<0.5	1.0	0.4	8	<0.5	7	1.5	1.5	0.2	7.5	0.2	1.5	8.5	1.4	<0.001				
EKA6-14	22.77	25.83	0.004	0.009	0.02	<0.01	<0.001	0.026	0.012	38.05	<0.01	0.010	0.030	0.007	0.020	<0.001	0.094	0.005	<0.01	0.068	0.004	1.893	0.138	0.008	0.036	11.03	9	1.5	1.0	<0.5	1.0	0.5	9	<0.5	7	1.5	1.5	0.2	7.5	0.3	1.5	9.5	1.4	<0.001				
EKA6-15	28.08	33.31	0.002	0.008	0.02	<0.01	<0.001	0.017	0.004	24.37	<0.01	0.015	0.040	0.004	0.020	0.003	0.043	0.004	<0.01	0.045	0.003	2.489	0.108	0.015	0.041	11.44	12	2.0	1.5	<0.5	1.0	0.4	5	<0.5	5	1.5	1.0	0.2	9.0	0.2	1.5	11.0	1.7	0.001				
EKA6-16	28.34	33.89	0.002	0.006	0.02	<0.01	<0.001	0.017	0.002	23.08	<0.01	0.014	0.040	0.008	0.020	<0.001	0.035	0.001	<0.01	0.038	0.001	2.595	0.099	0.004	0.043	11.60	10	1.5	1.6	<0.5	1.0	0.3	5	<0.5	4	1.0	1.0	0.2	8.5	0.3	1.0	10.0	1.5	<0.001				
EKA6-17	25.78	32.01	0.002	0.010	0.02	<0.01	<0.001	0.014	0.006	28.33	<0.01	0.011	0.050	0.012	0.020	<0.001	0.047	0.004	<0.01	0.037	0.003</																											

	A1203	SiO2	As2O3	BeO	CaO	Cl	Co3O4	Cr2O3	CuO	Fe2O3	Ga2O3	K2O	MgO	MnO	Na2O	NiO	P2O5	PbO	Sb2O3	SO3	SrO	TiO2	V2O5	ZnO	ZrO2	LOH1000	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	Au	
Units	0.01	%	%	0.001	%	0.01	%	%	0.001	%	0.01	%	0.01	%	0.001	%	0.001	0.001	%	%	0.001	%	0.001	%	0.001	%	0.01	ppm	1	ppm	ppm	0.5	0.1	ppm	1	ppm	1	0.5	ppm	ppm	0.1	ppm	ppm	0.1	0.001
LLD	0.01	0.01	0.001	0.001	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001	0.01	0.001	0.001	0.001	0.001	0.001	0.001	0.01	0.1	0.5	0.1	0.5	0.1	0.5	0.1	0.5	0.1	0.5	0.1	0.5	0.1	0.5	0.1	0.5	0.1	0.001	
EKA10-07	28.90	13.77	0.005	0.008	<0.01	<0.01	<0.001	0.016	0.001	39.49	<0.01	0.005	0.020	0.003	0.020	<0.001	0.071	<0.001	<0.01	0.076	0.001	3.064	0.166	0.017	0.050	14.18	10	1.5	1.7	<0.5	1.0	0.4	3	<0.5	4	1.0	1.0	0.2	11.0	0.1	2.5	10.5	1.4	0.001	
EKA10-08	23.69	20.50	0.004	0.009	0.01	<0.01	<0.001	0.020	0.003	41.86	<0.01	0.007	0.020	0.002	0.020	0.003	0.071	<0.001	<0.01	0.076	0.001	2.217	0.216	0.003	0.054	11.34	9	1.5	1.4	<0.5	1.0	0.3	6	<0.5	8	1.5	1.5	0.2	10.5	0.2	2.0	8.5	1.3	<0.001	
EKA10-09	24.19	27.04	0.002	0.008	0.02	<0.01	<0.001	0.017	0.001	35.70	<0.01	0.003	0.030	<0.001	0.020	<0.001	0.047	0.005	<0.01	0.061	0.003	2.166	0.129	0.002	0.048	10.51	9	1.5	1.7	<0.5	1.5	0.4	7	<0.5	10	2.5	2.0	0.2	9.0	0.1	1.5	9.5	1.4	<0.001	
EKA10-10	25.73	28.93	0.001	0.008	0.02	<0.01	<0.001	0.017	<0.001	31.89	<0.01	0.004	0.020	<0.001	0.010	0.003	0.041	0.005	<0.01	0.069	0.002	2.352	0.099	0.030	0.045	10.92	9	1.0	1.3	<0.5	1.0	0.3	7	<0.5	6	2.0	1.5	0.2	9.0	0.1	1.5	9.0	1.2	<0.001	
EKA10-11	25.40	28.87	0.001	0.008	0.02	<0.01	<0.001	0.015	0.003	32.16	<0.01	0.004	0.020	0.002	0.020	<0.001	0.045	0.003	<0.01	0.063	0.002	2.239	0.094	0.008	0.044	11.17	6	1.5	1.1	<0.5	1.0	0.3	5	<0.5	5	1.5	1.0	0.2	7.5	0.1	1.5	7.5	1.1	<0.001	
EKA10-12	23.63	26.27	0.003	0.009	0.01	<0.01	<0.001	0.022	0.013	36.36	<0.01	0.003	0.020	0.008	0.010	<0.001	0.053	0.003	<0.01	0.063	0.002	2.034	0.107	0.006	0.039	11.37	6	1.0	1.2	<0.5	1.0	0.2	4	<0.5	5	1.0	1.0	<0.1	8.0	0.3	2.0	6.0	1.0	<0.001	
EKA10-13	25.46	29.02	0.003	0.010	0.02	<0.01	<0.001	0.016	0.010	31.58	<0.01	0.005	0.020	0.005	0.030	<0.001	0.050	0.002	<0.01	0.065	0.002	2.225	0.118	0.022	0.041	11.36	6	1.0	0.9	<0.5	0.5	0.2	4	<0.5	4	1.5	1.0	0.1	7.5	0.2	2.0	6.0	0.8	<0.001	
EKA10-14	26.84	31.23	0.003	0.007	0.02	<0.01	<0.001	0.014	0.006	27.42	<0.01	0.005	0.040	0.006	0.020	<0.001	0.042	<0.001	<0.01	0.047	0.001	2.360	0.097	0.007	0.040	11.56	6	1.0	1.1	<0.5	0.5	0.2	3	<0.5	4	1.0	1.0	0.1	7.5	0.1	1.5	6.5	0.9	<0.001	
EKA10-15	26.38	30.70	0.002	0.010	0.02	<0.01	<0.001	0.013	0.008	28.59	<0.01	0.006	0.040	0.010	0.020	<0.001	0.047	0.001	<0.01	0.046	0.001	2.368	0.104	0.004	0.040	11.55	5	1.0	1.1	<0.5	1.0	0.3	3	<0.5	3	1.0	0.5	0.2	8.0	<0.1	1.5	8.0	1.1	<0.001	
EKA10-16	26.76	31.30	0.003	0.006	0.02	<0.01	<0.001	0.010	0.009	27.45	<0.01	0.005	0.040	0.015	0.010	<0.001	0.041	0.001	<0.01	0.045	0.001	2.430	0.097	0.013	0.045	11.62	9	1.0	1.1	<0.5	0.5	0.3	5	<0.5	5	1.0	1.0	<0.1	8.0	0.3	2.0	6.5	1.0	0.001	
EKA10-17	25.97	10.59	0.005	0.009	0.01	<0.01	<0.001	0.031	0.001	49.13	<0.01	0.011	0.020	0.031	0.020	<0.001	0.078	0.003	<0.01	0.060	0.002	3.127	0.193	0.012	0.086	10.64	46	1.5	1.7	<0.5	1.0	0.5	4	<0.5	4	1.0	1.0	0.2	15.5	0.2	3.5	11.0	1.5	<0.001	
EKA10-18	31.73	7.55	0.005	0.008	<0.01	<0.01	<0.001	0.027	0.003	41.66	<0.01	0.008	0.010	0.013	0.020	<0.001	0.057	0.007	<0.01	0.089	0.004	3.208	0.177	0.002	0.074	15.20	35	2.0	2.1	<0.5	1.0	0.4	3	<0.5	4	1.0	1.0	0.2	16.5	0.2	3.0	12.5	1.9	0.001	
EKA10-19	30.97	7.90	0.004	0.010	0.01	<0.01	<0.001	0.026	0.003	42.43	<0.01	0.009	0.020	0.012	0.020	<0.001	0.063	0.007	<0.01	0.083	0.005	3.529	0.152	0.003	0.080	14.81	26	1.5	1.7	<0.5	1.0	0.5	2	<0.5	3	1.0	1.0	0.2	15.5	0.2	3.0	12.5	2.0	0.001	
EKA10-20	32.08	4.61	0.005	0.010	0.01	<0.01	<0.001	0.031	0.012	43.93	<0.01	0.007	0.020	0.008	0.020	0.002	0.051	0.007	<0.01	0.090	0.004	3.360	0.169	0.028	0.081	15.73	20	2.0	1.8	<0.5	1.0	0.5	2	<0.5	3	0.5	1.0	0.3	19.0	0.4	3.0	12.5	2.1	<0.001	
EKA10-21	29.81	9.30	0.006	0.008	<0.01	<0.01	0.033	0.030	0.007	43.57	<0.01	0.007	0.020	0.005	0.020	0.001	0.050	0.007	<0.01	0.073	0.004	2.878	0.187	0.007	0.074	14.17	27	1.5	1.7	<0.5	1.0	0.4	2	<0.5	3	1.0	1.0	0.2	18.5	0.3	3.0	11.0	2.2	0.001	
EKA10-22	27.26	18.56	0.004	0.009	<0.01	<0.01	<0.001	0.027	0.004	39.30	<0.01	0.010	0.020	0.001	0.010	0.001	0.065	0.007	<0.01	0.068	0.004	2.499	0.162	0.002	0.074	11.92	26	1.0	1.7	<0.5	1.0	0.3	3	<0.5	4	1.0	1.0	0.2	16.5	0.3	2.0	8.5	1.5	<0.001	
EKA10-23	28.90	19.02	0.004	0.007	<0.01	<0.01	<0.001	0.018	0.003	35.55	<0.01	0.007	0.010	<0.001	<0.01	<0.001	0.062	0.006	<0.01	0.073	0.004	2.476	0.135	0.018	0.054	13.70	14	1.0	1.3	<0.5	0.5	0.4	3	<0.5	3	1.0	1.0	<0.1	11.0	0.1	2.5	9.0	1.2	<0.001	
EKA10-24	25.98	22.17	0.003	0.006	<0.01	<0.01	<0.001	0.017	0.005	37.40	<0.01	0.009	0.020	0.001	<0.01	<0.001	0.068	0.007	<0.01	0.074	0.004	2.271	0.136	0.005	0.051	11.95	14	1.0	1.3	<0.5	1.0	0.4	4	<0.5	4	1.0	1.0	0.1	10.5	0.2	2.5	9.5	1.3	<0.001	
EKA10-25	21.58	22.62	0.004	0.005	<0.01	<0.01	<0.001	0.020	0.007	43.53	<0.01	0.011	<0.01	<0.001	0.010	<0.001	0.060	0.006	<0.01	0.075	0.004	1.893	0.145	0.002	0.044	9.85	14	1.5	1.3	<0.5	1.0	0.5	7	<0.5	7	2.0	1.5	0.2	1.5	10.5	1.4	0.001			
EKA10-26	23.01	24.87	0.003	0.006	<0.01	<0.01	<0.001	0.016	0.006	38.85	<0.01	0.010	<0.01	<0.001	0.010	<0.001	0.068	0.006	<0.01	0.073	0.004	1.890	0.148	0.003	0.044	10.87	8	1.5	1.6	<0.5	1.5	0.6	6	<0.5	8	2.0	1.5	<0.1	9.0	0.2	1.5	12.5	1.4	<0.001	
EKA10-27	22.59	24.97	0.002	0.009	<0.01	<0.01	<0.001	0.002	0.005	39.38	<0.01	0.006	0.010	<0.001	0.010	<0.001	0.045	0.005	<0.01	0.085	0.004	2.043	0.083	0.005	0.040	10.70	7	1.5	1.4	<0.5	1.0	0.5	5	<0.5	6	1.5	1.5	0.1	8.5	0.3	1.5	11.0	1.4	0.001	
EKA10-28	25.99	29.73	0.002	0.009	<0.01	<0.01	<0.001	0.016	0.003	34.20	<0.01	0.002	0.020	<0.001	0.020	<0.001	0.045	0.005	<0.01	0.083	0.004	1.947	0.066	0.003	0.044	11.14	9	1.5	1.9	<0.5	1.5	0.4	5	<0.5	5	1.0	1.5	0.3	8.0	0.2	2.0	12.0	1.7	<0.001	
EKA10-29	24.40	28.13	0.002	0.006	<0.01	<0.01	<0.001	0.013	0.005	34.20	<0.01	0.002	0.010	0.004	0.020	<0.001	0.044	0.005	<0.01	0.098	0.003	2.266	0.172	0.012	0.040	10.75	8	1.5	1.2	<0.5	1.0	0.4	4	<0.5	5	1.0	1.0	0.1	1.0	1.0	1.5	11.0	1.6	<0.001	
EKA10-30	24.10	28.03	0.003	0.008	0.01	<0.01	<0.001	0.005	0.005	34.56	<0.01	<0.01	<0.01	0.020	<0.01	<0.001	0.047	0.004	<0.01	0.080	0.003	2.099	0.074	0.005	0.034	10.69	10	1.0	1.7	<0.5	1.0	0.3	3	<0.5	4	1.0	1.0	0.1	7.5	0.2	0.5	8.5	1.5	<0.001	
EKA10-31	24.72	29.40	0.002	0.008	<0.01	<0.01	<0.001	0.005	0.003	32.27	<0.01	<0.001	0.010	0.021	<0.01	<0.001	0.038	0.004	<0.01	0.069	0.003	2.085	0.079	0.007	0.034	11.69	10	1.5	1.4	<0.5	1.0	0.5	3	<0.5	4	1.0	1.0	0.2	7.0	0.2	1.0	9.0	1.8	<0.001	
EKA10-32	28.98	35.36	0.001	0.004	0.01	<0.01	<0.001	0.018	0.012	20.39	<0.01	<0.001	<0.01	0.005	<0.01	0.002	0.019	0.002	<0.01	0.061	0.001	2.445	0.066	0.019	0.035	12.32	7	1.5	1.5	<0.5	1.0	0.4	4	<0.5	4	1.0	1.0	0.2	7.0	0.3	1.5	9.5	1.8	<0.001	
EKA10-33	26.25	31.85	0.001	0.006	0.01	<0.01	<0.001	0.019	0.014	27.57	<0.01	<0.001	0.010	0.016	&																														

	Al2O3	SiO2	As2O3	BaO	CaO	Cl	Co3O4	Cr2O3	CuO	Fe2O3	Ga2O3	K2O	MgO	MnO	Na2O	NiO	P2O5	PbO	Sb2O3	SO3	SrO	TiO2	V2O5	ZnO	ZrO2	LOI1000	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	Au				
Units	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LLD	0.01	0.01	0.01	0.001	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001	0.01	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.01	1	0.5	0.1	0.5	0.5	0.1	1	0.5	1	0.5	0.1	0.5	0.1	0.5	0.1	0.5	0.1	0.1	0.001		
EKA15-14	26.51	30.52	0.001	0.005	<0.01	<0.01	<0.001	0.014	0.007	28.77	<0.01	<0.001	0.020	0.006	0.020	<0.001	0.029	0.006	<0.01	0.085	0.003	2.145	0.072	0.015	0.034	11.82	4	1.0	1.7	<0.5	1.0	0.3	4	<0.5	4	1.0	1.0	0.1	6.5	0.2	1.5	9.0	1.5	<0.001				
EKA15-15	25.72	29.96	0.002	0.006	<0.01	<0.01	<0.001	0.015	0.007	30.65	<0.01	0.001	0.010	0.012	0.020	0.015	0.026	0.005	<0.01	0.070	0.003	2.091	0.086	0.007	0.035	11.20	6	0.5	0.6	<0.5	0.5	0.3	3	0.5	1.0	0.2	6.5	<0.1	1.5	7.0	1.2	<0.001						
EKA15-16	26.38	31.01	0.001	0.007	0.01	<0.01	<0.001	0.009	0.006	28.65	<0.01	0.002	0.020	0.014	0.010	<0.001	0.030	0.004	<0.01	0.058	0.002	2.226	0.102	0.014	0.036	11.42	5	1.0	1.0	<0.5	0.5	0.2	2	<0.5	2	<0.5	<0.5	0.2	7.0	0.3	1.0	6.0	1.0	<0.001				
EKA15-17	26.94	31.59	0.001	0.006	0.01	<0.01	<0.001	0.010	0.012	26.96	<0.01	0.002	0.020	0.020	0.020	0.003	0.035	0.005	<0.01	0.063	0.002	2.174	0.101	0.020	0.031	11.86	11	1.5	1.5	<0.5	1.0	0.3	3	<0.5	3	1.0	0.5	0.2	6.5	0.2	1.5	7.5	1.4	<0.001				
EKA15-18	25.16	29.02	0.002	0.007	0.01	<0.01	0.001	0.015	0.021	30.70	<0.01	0.001	0.030	0.027	0.020	0.004	0.057	0.004	<0.01	0.083	0.003	2.164	0.125	0.006	0.038	12.48	10	1.5	1.7	<0.5	1.0	0.4	7	0.5	5	1.0	1.0	0.3	7.0	0.3	1.5	9.5	1.8	<0.001				
EKA16-01	18.38	40.30	0.003	0.010	0.02	<0.01	0.002	0.030	0.002	31.62	<0.01	0.077	0.090	0.014	0.020	<0.001	0.099	0.008	<0.01	0.032	0.005	2.045	0.005	0.012	0.100	7.00	36	3.0	2.3	0.5	2.5	0.7	12	<0.5	11	3.0	3.0	0.5	18.5	0.4	3.5	17.0	2.6	<0.001				
EKA16-02	33.35	15.45	0.003	0.012	<0.01	<0.01	<0.001	0.026	0.004	32.28	<0.01	0.024	0.040	0.014	0.020	0.002	0.066	0.006	<0.01	0.061	0.003	3.624	0.125	0.003	0.086	14.94	67	2.5	2.0	<0.5	1.5	0.5	5	<0.5	6	2.0	1.5	0.4	19.0	0.5	4.0	15.0	2.5	0.001				
EKA16-03	28.09	7.45	0.005	0.007	<0.01	<0.01	0.017	0.037	0.004	47.29	<0.01	0.111	0.020	0.014	0.020	<0.001	0.060	0.005	<0.01	0.092	0.004	3.099	0.201	0.004	0.082	13.51	33	1.5	1.8	<0.5	1.0	0.5	3	<0.5	4	1.0	1.5	0.2	19.0	0.4	3.0	9.5	2.0	0.001				
EKA16-04	29.79	9.12	0.005	0.004	<0.01	<0.01	<0.001	0.037	0.003	42.17	<0.01	0.008	0.020	0.013	0.020	<0.001	0.047	0.006	<0.01	0.091	0.004	3.579	0.181	0.010	0.088	14.75	48	1.5	1.9	<0.5	1.0	0.3	4	<0.5	4	1.0	1.0	0.2	20.0	0.3	3.0	10.5	1.9	<0.001				
EKA16-05	30.91	13.57	0.003	0.010	<0.01	<0.01	0.001	0.035	0.002	37.11	<0.01	0.007	0.020	0.013	0.020	<0.001	0.044	0.006	<0.01	0.072	0.003	3.574	0.152	0.004	0.090	14.48	45	2.0	2.0	<0.5	1.0	0.4	3	<0.5	4	1.0	1.0	0.2	18.0	0.5	3.0	11.0	1.9	0.001				
EKA16-06	27.86	9.55	0.004	0.008	<0.01	<0.01	<0.001	0.034	0.002	44.59	<0.01	0.004	0.010	0.010	0.020	<0.001	0.052	0.006	<0.01	0.085	0.003	3.564	0.191	<0.001	0.098	13.93	21	1.5	1.6	<0.5	1.0	0.4	2	<0.5	3	0.5	1.0	0.2	20.5	0.2	2.5	10.5	1.7	0.003				
EKA16-07	20.41	10.35	0.005	0.008	<0.01	<0.01	0.001	0.034	0.004	54.79	0.010	0.005	0.020	0.017	0.020	<0.001	0.051	0.006	<0.01	0.086	0.003	3.668	0.230	0.016	0.102	10.27	18	1.0	1.2	<0.5	0.5	0.3	2	<0.5	3	0.5	1.0	0.1	18.0	0.4	2.5	8.5	1.3	0.001				
EKA16-08	26.96	13.75	0.004	0.009	<0.01	<0.01	<0.001	0.029	0.004	42.71	<0.01	0.002	<0.01	0.003	0.020	0.001	0.050	0.004	<0.01	0.112	0.003	3.448	0.182	0.002	0.098	12.66	12	1.5	1.5	<0.5	1.0	0.4	2	<0.5	3	1.0	1.0	0.1	14.5	0.3	2.5	9.5	1.4	<0.001				
EKA16-09	28.16	14.49	0.004	0.005	<0.01	<0.01	<0.001	0.022	0.005	39.50	<0.01	0.003	0.010	0.001	0.020	<0.001	0.049	0.003	<0.01	0.093	0.002	2.401	0.152	0.004	0.058	14.86	13	1.5	1.0	<0.5	0.5	0.2	2	<0.5	2	0.5	0.5	0.2	12.0	0.3	2.0	7.0	1.0	<0.001				
EKA16-10	29.17	14.24	0.003	0.005	<0.01	<0.01	<0.001	0.020	0.005	38.87	<0.01	0.002	<0.01	<0.001	0.020	0.003	0.045	0.003	<0.01	0.091	0.002	2.421	0.139	0.018	0.055	15.03	8	0.5	1.0	<0.5	0.5	0.3	2	<0.5	3	0.5	0.5	0.1	10.0	0.1	1.5	6.0	0.9	<0.001				
EKA16-11	23.39	22.77	0.003	0.004	<0.01	<0.01	0.001	0.019	0.004	40.29	<0.01	0.003	0.010	0.002	0.010	0.002	0.051	0.004	<0.01	0.084	0.002	2.069	0.165	0.009	0.052	11.06	10	1.0	1.2	<0.5	1.0	0.3	5	<0.5	5	1.0	1.0	0.2	8.5	0.3	1.5	6.5	0.7	<0.001				
EKA16-12	24.51	27.45	0.003	0.002	<0.01	<0.01	<0.001	0.015	0.003	34.18	<0.01	0.003	0.020	<0.001	<0.01	<0.001	0.038	0.002	<0.01	0.074	<0.001	2.153	0.117	<0.001	0.042	10.98	13	2.0	1.5	<0.5	1.0	0.4	9	<0.5	9	2.5	1.5	<0.1	7.5	0.3	1.5	10.0	1.3	<0.001				
EKA16-13	24.66	27.99	0.003	0.005	<0.01	<0.01	<0.001	0.017	0.003	34.38	<0.01	0.006	0.010	<0.001	0.020	<0.001	0.038	0.002	<0.01	0.076	<0.001	2.006	0.103	0.018	0.039	10.56	7	1.0	1.4	<0.5	1.0	0.3	7	<0.5	6	1.5	1.0	0.1	6.5	0.2	1.5	9.5	1.3	0.001				
EKA16-14	25.15	29.04	0.002	0.004	<0.01	<0.01	<0.001	0.018	0.002	32.47	<0.01	0.006	0.020	<0.001	0.020	<0.001	0.035	0.002	<0.01	0.084	0.002	2.238	0.105	0.007	0.043	10.73	7	1.0	1.3	<0.5	1.0	0.3	6	<0.5	5	1.5	1.0	<0.1	6.5	0.3	1.0	7.5	1.0	<0.001				
EKA16-15	32.06	38.24	<0.001	0.002	<0.01	<0.01	0.001	0.016	0.001	14.02	<0.01	0.004	0.020	<0.001	0.010	0.001	0.014	<0.001	<0.01	0.062	<0.001	2.728	0.064	0.002	0.045	12.61	15	1.5	1.2	<0.5	1.0	0.4	7	<0.5	5	1.5	1.0	0.2	7.5	0.2	1.5	10.5	1.3	<0.001				
EKA16-16	28.28	33.33	0.002	0.001	<0.01	<0.01	<0.001	0.013	0.003	24.10	<0.01	0.003	0.020	0.002	0.010	0.002	0.028	0.002	<0.01	0.087	<0.001	2.206	0.076	0.041	0.037	11.70	8	1.0	1.4	<0.5	1.0	0.3	5	<0.5	5	1.0	1.0	<0.1	6.5	0.2	1.0	8.0	1.2	<0.001				
EKA16-17	24.55	28.59	0.003	0.004	<0.01	<0.01	0.001	0.022	0.006	33.69	<0.01	0.003	0.010	0.005	0.010	<0.001	0.040	0.004	<0.01	0.087	0.002	1.989	0.112	0.010	0.034	10.89	5	1.0	1.1	<0.5	0.5	0.2	5	<0.5	4	1.0	1.0	<0.1	5.5	0.3	1.5	6.5	1.0	0.002				
EKA16-18	23.31	27.62	0.004	0.004	<0.01	<0.01	0.002	0.018	0.009	35.33	<0.01	0.002	0.010	0.019	0.020	0.001	0.062	0.005	<0.01	0.087	0.002	2.056	0.111	0.008	0.034	11.17	8	1.0	1.5	<0.5	1.0	0.3	3	<0.5	3	0.5	0.5	0.1	6.0	0.3	1.5	8.5	1.5	<0.001				
EKA17-01	32.39	10.40	0.004	0.008	<0.01	<0.01	0.001	0.034	0.003	38.98	<0.01	0.017	0.030	0.008	0.020	<0.001	0.089	0.006	<0.01	0.076	0.003	2.924	0.163	0.023	0.092	14.80	19	2.5	2.2	<0.5	1.5	0.5	4	0.5	6	1.5	1.5	0.2	19.5	0.4	3.0	12.0	1.8	<0.001				
EKA17-02	33.51	7.20	0.005	0.007	<0.01	<0.01	<0.001	0.033	0.004	39.78	<0.01	0.018	0.020	0.004	0.020	<0.001	0.068	0.005	<0.01	0.090	0.003	3.085	0.153	<0.001	0.090	16.07	17	1.5	1.9	<0.5	1.0	0.4	3	<0.5	4	1.0	1.0	0.2	20.5	0.3	3.0	12.0	1.5	<0.001				
EKA17-03	34.10	6.54	0.005	0.008	<0.01	<0.01	<0.001	0.033	0.003	39.26	<0.01	0.013	0.020	0.006	0.030	0.009	0.054	0.004	<0.01	0.089	0.002	3.291	0.156	0.002	0.091	16.37	14	1.5	2.0	<0.5	1.0	0.4	3	<0.5	4	1.0	1.0	0.2	24.5	0.3	4.0	11.0	1.7	0.002				
EKA17-04	31.33	9.51	0.005	0.006	<0.01	<0.01	0.001	0.031	0.005	40.72	<0.01	0.015	0.010	0.004	0.020	<0.001																																

	Al2O3	SiO2	As2O3	BaO	CaO	Cl	Co3O4	Cr2O3	CuO	Fe2O3	Ga2O3	K2O	MgO	MnO	Na2O	NiO	P2O5	PbO	Sb2O3	SO3	SrO	TiO2	V2O5	ZnO	ZrO2	LOI1000	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	Au			
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Units	0.01	0.01	0.001	0.001	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001	0.01	0.001	0.001	0.001	0.001	0.001	0.001	0.01	1	0.5	0.1	0.5	0.5	0.1	1	0.5	1	0.5	0.5	0.1	0.5	0.1	0.5	0.1	0.5	0.1	0.001		
LLD	0.01	0.01	0.001	0.001	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001	0.01	0.001	0.001	0.001	0.001	0.001	0.001	0.01	1	0.5	0.1	0.5	0.5	0.1	1	0.5	1	0.5	0.5	0.1	0.5	0.1	0.5	0.1	0.5	0.1	0.001		
EKA19-13	27.99	32.84	<0.001	0.004	0.01	<0.01	<0.001	0.017	0.002	25.24	<0.01	0.012	0.020	<0.001	<0.01	<0.001	0.026	0.003	<0.01	0.049	0.002	2.403	0.089	0.007	0.041	11.16	17	1.0	0.9	<0.5	0.5	0.3	4	<0.5	3	1.0	0.5	<0.1	8.5	0.2	1.5	8.0	0.9	<0.001			
EKA19-14	26.44	30.89	<0.001	0.006	0.01	<0.01	<0.001	0.015	0.003	28.79	<0.01	0.009	0.020	<0.001	<0.01	<0.001	0.035	0.004	<0.01	0.054	0.002	2.170	0.082	<0.001	0.037	11.26	14	1.0	0.6	<0.5	0.5	0.3	4	<0.5	4	0.5	0.5	<0.2	8.0	0.2	1.5	6.0	0.6	0.002			
EKA19-15	26.72	31.52	<0.001	0.007	0.01	<0.01	<0.001	0.017	0.004	27.91	<0.01	0.010	0.030	<0.001	<0.01	<0.001	0.029	0.004	<0.01	0.059	0.002	2.301	0.084	0.003	0.038	11.19	13	1.0	0.9	<0.5	1.0	0.2	5	<0.5	5	1.5	1.0	0.1	9.0	0.1	1.5	7.0	0.9	0.001			
EKA19-16	24.25	27.75	<0.001	0.006	<0.01	<0.01	<0.001	0.016	0.013	34.17	<0.01	0.010	0.020	0.001	0.010	<0.001	0.059	0.007	<0.01	0.068	0.002	2.022	0.089	0.029	0.032	11.38	16	1.5	1.1	<0.5	1.5	0.3	13	<0.5	7	2.0	1.5	0.2	8.5	0.1	2.0	7.5	1.3	0.001			
EKA19-17	27.13	33.27	<0.001	0.002	0.01	<0.01	<0.001	0.020	0.008	25.32	<0.01	0.030	0.030	<0.001	<0.01	<0.001	0.029	0.004	<0.01	0.055	0.002	2.323	0.095	0.012	0.050	11.445	13	1.5	1.4	<0.5	1.5	0.4	7	<0.5	6	1.5	1.5	0.2	11.0	0.2	2.0	10.0	1.2	0.001			
EKA19-18	27.07	32.80	<0.001	0.008	<0.01	<0.01	<0.001	0.020	0.007	25.73	<0.01	0.019	0.030	<0.001	0.010	<0.001	0.025	0.003	<0.01	0.053	0.001	2.282	0.100	0.001	0.043	11.44	9	1.0	1.3	<0.5	1.0	0.4	6	<0.5	5	1.5	1.0	0.2	10.0	0.2	1.5	8.0	1.0	<0.001			
EKA20-01	20.60	23.67	0.003	0.009	0.02	<0.01	<0.001	0.037	0.002	45.31	<0.01	0.035	0.050	0.012	0.010	<0.001	0.127	0.008	<0.01	0.055	0.003	2.251	0.166	0.004	0.096	7.53	20	2.0	1.5	<0.5	1.5	0.6	6	<0.5	6	1.5	1.5	0.3	20.0	0.3	3.5	11.5	1.4	<0.001			
EKA20-02	32.10	5.63	0.002	0.006	<0.01	<0.01	<0.001	0.034	0.005	42.40	<0.01	0.017	0.020	0.007	<0.01	<0.001	0.086	0.007	<0.01	0.05	0.003	2.942	0.160	0.003	0.088	16.44	24	2.0	2.0	<0.5	1.5	0.5	3	<0.5	5	1.0	1.0	0.3	22.5	0.3	4.5	12.5	1.8	0.001			
EKA20-03	33.11	3.73	0.003	0.008	<0.01	<0.01	<0.001	0.030	0.005	42.38	<0.01	0.009	0.010	0.001	0.010	<0.001	0.081	0.007	<0.01	0.082	0.004	2.721	0.170	<0.001	0.082	17.62	12	1.5	1.4	<0.5	1.0	0.4	2	<0.5	3	0.5	1.0	0.2	20.5	0.2	4.0	10.0	1.5	0.001			
EKA20-04	35.07	4.23	0.001	0.006	<0.01	<0.01	<0.001	0.029	0.003	39.09	<0.01	0.011	0.010	<0.001	0.010	<0.001	0.083	0.006	<0.01	0.069	0.002	2.562	0.175	0.017	0.079	18.87	13	1.0	1.4	<0.5	1.0	0.4	2	<0.5	3	0.5	1.0	0.1	17.5	0.2	3.5	10.5	1.1	0.001			
EKA20-05	37.62	4.78	0.002	0.004	<0.01	<0.01	<0.001	0.025	0.004	34.87	<0.01	0.012	0.010	<0.001	0.020	<0.001	0.083	0.004	<0.01	0.061	0.002	2.722	0.147	0.003	0.064	19.67	17	1.0	1.5	<0.5	1.0	0.5	3	<0.5	3	0.5	1.0	0.2	15.5	0.4	3.5	12.0	1.5	0.002			
EKA20-06	41.41	3.27	0.001	0.004	<0.01	<0.01	<0.001	0.022	0.002	29.82	<0.01	0.007	<0.01	<0.001	0.010	<0.001	0.066	0.003	<0.01	0.058	0.001	3.155	0.135	0.001	0.060	22.00	11	1.5	1.6	<0.5	1.0	0.4	2	<0.5	2	0.5	1.0	0.2	13.5	0.2	3.0	11.5	1.4	0.001			
EKA20-07	37.31	5.12	0.002	0.005	<0.01	<0.01	<0.001	0.025	0.005	34.11	<0.01	0.009	<0.01	<0.001	0.020	<0.001	0.077	0.004	<0.01	0.072	0.001	3.267	0.138	0.006	0.066	20.02	21	1.5	1.4	<0.5	1.0	0.4	2	<0.5	3	0.5	1.0	0.2	13.5	0.3	3.5	11.5	1.4	0.001			
EKA20-08	30.17	10.70	0.002	0.008	<0.01	<0.01	<0.001	0.027	0.002	39.61	<0.01	0.010	0.01	0.002	0.010	<0.001	0.084	0.004	<0.01	0.092	0.002	3.329	0.155	0.002	0.070	15.63	23	1.5	1.8	<0.5	1.0	0.3	3	<0.5	3	0.5	1.0	0.2	15.5	0.3	2.5	10.0	1.5	0.001			
EKA20-09	21.20	22.05	<0.001	0.006	<0.01	<0.01	<0.001	0.029	0.007	44.55	<0.01	0.007	0.010	<0.001	0.010	<0.001	0.045	0.008	<0.01	0.072	0.003	2.081	0.165	<0.001	0.054	9.77	20	2.0	1.5	<0.5	1.5	0.4	7	<0.5	8	2.0	2.0	0.2	12.0	0.2	1.5	8.5	1.2	0.001			
EKA20-10	20.64	22.14	<0.001	0.004	<0.01	<0.01	<0.001	0.021	0.013	44.25	<0.01	0.005	0.020	0.004	0.010	<0.001	0.047	0.006	<0.01	0.078	0.003	1.919	0.094	0.007	0.048	10.64	22	1.5	1.7	<0.5	1.5	0.4	8	<0.5	11	2.5	2.0	0.5	12.0	0.3	2.0	9.5	1.4	<0.001			
EKA20-11	24.52	27.84	<0.001	0.006	<0.01	<0.01	<0.001	0.019	0.015	33.87	<0.01	0.005	<0.01	<0.001	<0.01	<0.001	0.034	0.006	<0.01	0.098	0.002	2.095	0.059	0.005	0.041	11.46	22	2.0	1.2	<0.5	2.0	0.5	10	<0.5	13	3.5	2.5	0.4	8.0	0.2	1.5	11.0	1.4	<0.001			
EKA20-12	22.29	24.99	<0.001	0.003	<0.01	<0.01	<0.001	0.023	0.009	40.17	<0.01	0.005	<0.01	0.003	0.020	<0.001	0.053	0.007	<0.01	0.112	0.004	1.905	0.082	0.004	0.038	10.28	11	1.5	1.3	<0.5	2.0	0.4	9	<0.5	12	3.0	2.5	0.2	8.0	0.2	1.5	7.0	1.1	<0.001			
EKA20-13	22.76	25.65	0.001	0.003	0.03	<0.01	<0.001	0.026	0.012	38.38	<0.01	0.006	0.060	0.003	0.010	<0.001	0.052	0.005	<0.01	0.128	0.002	1.981	0.101	0.010	0.041	10.51	9	1.5	1.3	<0.5	1.5	0.4	9	<0.5	10	4.0	2.0	0.2	7.5	0.2	1.5	9.5	1.5	<0.001			
EKA20-14	24.41	27.80	<0.001	0.004	<0.01	<0.01	<0.001	0.028	0.007	34.83	<0.01	0.005	0.010	0.001	0.020	<0.001	0.046	0.009	<0.01	0.102	0.004	2.072	0.126	0.004	0.045	10.56	10	1.5	1.1	<0.5	1.5	0.5	8	<0.5	7	2.0	1.5	<0.1	9.5	0.3	1.0	8.0	1.3	<0.001			
EKA20-15	24.72	28.32	<0.001	0.009	<0.01	<0.01	<0.001	0.018	0.011	33.96	<0.01	0.005	<0.01	0.009	0.020	<0.001	0.070	0.009	<0.01	0.103	0.004	1.982	0.106	0.005	0.038	10.77	12	1.5	1.9	<0.5	1.5	0.4	8	<0.5	8	1.5	1.5	0.2	8.5	0.3	1.0	8.0	1.5	0.001			
EKA20-16	29.46	34.17	<0.001	0.004	0.01	<0.01	<0.001	0.016	0.006	21.21	<0.01	0.006	<0.01	<0.001	0.010	<0.001	0.040	0.005	<0.01	0.086	0.002	2.720	0.094	0.015	0.047	12.09	9	1.0	1.6	<0.5	1.5	0.4	7	<0.5	6	1.0	1.5	0.1	9.0	0.2	1.5	8.0	1.2	<0.001			
EKA20-17	27.15	32.06	<0.001	0.003	0.02	<0.01	<0.001	0.016	0.006	26.90	<0.01	0.008	<0.01	0.013	0.020	<0.001	0.044	0.006	<0.01	0.085	0.002	2.317	0.108	0.003	0.037	11.00	10	2.0	1.8	<0.5	1.5	0.6	7	<0.5	7	1.5	2.0	0.4	8.5	0.2	1.0	10.5	1.8	<0.001			
EKA20-18	27.29	32.20	<0.001	0.002	0.02	<0.01	<0.001	0.015	0.005	26.43	<0.01	0.010	<0.01	0.006	0.010	<0.001	0.052	0.006	<0.01	0.088	0.003	2.336	0.107	0.002	0.038	11.30	7	1.5	1.7	<0.5	1.0	0.3	6	<0.5	5	2.0	1.0	0.2	8.5	0.2	1.0	10.0	1.4	<0.001			
EKA21-01	33.01	12.83	0.002	0.007	0.02	<0.01	<0.001	0.030	0.002	36.18	<0.01	0.021	0.030	0.012	0.020	<0.001	0.097	0.007	<0.01	0.059	0.003	3.340	0.137	0.022	0.089	13.99	41	2.0	1.7	<0.5	1.0	0.4	4	<0.5	4	1.0	1.0	0.2	19.5	0.3	3.5	11.0	1.7	0.001			
EKA21-02	34.18	5.91	0.002	0.005	<0.01	<0.01	<0.001	0.031	0.004	40.26	<0.01	0.01																																			

	A1Z03	SiO2	As2O3	BaO	CaO	Cl	Co3O4	Cr2O3	CuO	Fe2O3	Ga2O3	K2O	MgO	MnO	Na2O	NiO	P2O5	PbO	Sb2O3	SO3	SrO	TiO2	V2O5	ZnO	ZrO2	LOH1000	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	Au			
Units	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LLD	0.01	0.01	0.001	0.001	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001	0.01	0.001	0.001	0.001	0.001	0.001	0.001	0.01	0.01	0.5	0.1	0.5	0.5	0.1	ppm	1	0.5	1	0.5	0.5	0.1	ppm	1	0.5	1	0.5	0.1	0.001	
EKA25-08	26.44	26.95	0.003	0.008	0.01	<-0.01	0.001	0.020	0.005	32.72	-0.01	0.012	0.030	0.006	0.020	<-0.001	0.044	0.007	<-0.01	0.045	0.004	2.584	0.137	0.007	0.055	11.08	16	1.0	1.0	<0.5	0.5	0.4	2	<0.5	3	1.0	0.5	0.2	11.5	0.3	2.0	8.5	1.3	<0.001			
EKA25-09	22.76	25.16	0.003	0.007	0.01	<-0.01	<-0.001	0.015	0.005	39.11	<-0.01	0.017	0.030	-0.001	0.020	<-0.001	0.052	0.005	-0.01	0.058	0.003	2.156	0.123	0.002	0.041	10.39	18	1.5	1.2	<0.5	1.0	0.2	4	<0.5	4	1.0	1.0	0.1	8.5	0.1	2.5	7.0	1.2	<0.001			
EKA25-10	20.61	22.91	0.004	0.004	0.01	<-0.01	0.002	0.013	0.003	44.34	-0.01	0.023	0.030	<-0.001	0.020	<-0.001	0.055	0.005	<-0.01	0.073	0.003	1.796	0.079	0.028	0.033	9.85	12	1.0	1.1	<0.5	1.0	0.2	4	<0.5	5	1.0	1.5	0.2	6.0	<0.1	1.5	7.0	1.1	<0.001			
EKA25-11	20.88	23.27	0.002	0.007	0.01	<-0.01	0.001	0.013	0.008	43.90	<-0.01	0.017	0.040	-0.001	0.020	<-0.001	0.056	0.008	<-0.01	0.078	0.004	1.661	0.079	0.017	0.028	9.95	15	1.5	0.9	<0.5	1.5	0.2	4	<0.5	7	1.5	1.5	0.1	6.5	<0.1	2.0	8.0	1.1	<0.001			
EKA25-12	23.92	27.78	0.004	0.005	0.01	<-0.01	0.001	0.012	0.005	35.59	-0.01	0.007	0.030	<-0.001	0.020	<-0.001	0.047	0.007	<-0.01	0.078	0.004	2.019	0.077	0.018	0.031	10.34	20	1.5	1.6	<0.5	1.0	0.5	4	<0.5	6	1.5	1.5	<0.1	6.5	0.3	1.5	9.0	1.3	<0.001			
EKA25-13	28.06	33.39	0.002	0.004	0.01	<-0.01	0.001	0.012	0.003	24.56	-0.01	0.007	0.040	-0.001	0.020	<-0.001	0.029	0.006	-0.01	0.067	0.004	2.386	0.084	0.016	0.039	11.34	19	1.5	1.7	<0.5	1.5	0.5	5	<0.5	6	1.5	1.5	0.1	8.0	0.3	1.5	10.0	2.1	<0.001			
EKA25-14	25.43	30.08	0.001	0.006	0.01	<-0.01	0.003	0.016	0.008	31.28	-0.01	0.009	0.040	<-0.001	0.030	<-0.001	0.042	0.009	<-0.01	0.078	0.005	2.272	0.129	0.015	0.036	10.69	11	1.5	1.5	<0.5	1.0	0.5	4	<0.5	6	1.5	1.5	0.1	7.5	0.2	1.5	9.5	2.0	0.001			
EKA25-15	27.11	32.83	0.002	0.005	0.01	<-0.01	0.001	0.016	0.006	26.71	-0.01	0.011	0.040	0.002	0.020	<-0.001	0.030	0.007	-0.01	0.059	0.003	2.269	0.125	0.006	0.041	10.89	13	1.0	1.4	<0.5	1.0	0.4	4	<0.5	5	1.0	1.5	0.1	7.5	0.2	1.5	8.5	1.5	<0.001			
EKA26-01	27.47	13.27	0.005	0.010	0.01	<-0.01	0.003	0.039	0.005	43.60	-0.01	0.035	0.050	0.012	0.020	<-0.001	0.075	0.010	<-0.01	0.032	0.005	2.095	0.162	0.039	0.082	13.05	26	1.5	1.4	<0.5	1.0	0.5	5	<0.5	5	1.5	1.5	0.2	22.5	0.3	4.0	8.0	1.1	<0.001			
EKA26-02	31.18	14.05	0.004	0.007	<-0.01	<-0.01	0.002	0.032	0.004	36.68	-0.01	0.039	0.050	0.006	0.020	<-0.001	0.055	0.007	-0.01	0.032	0.004	2.104	0.148	0.005	0.071	15.51	49	1.0	1.1	<0.5	1.0	0.3	4	<0.5	4	1.0	1.0	0.2	20.0	0.2	5.5	7.0	1.3	0.001			
EKA26-03	27.76	11.54	0.005	0.007	<-0.01	<-0.01	0.003	0.032	0.005	43.32	-0.01	0.024	0.030	0.006	0.020	<-0.001	0.075	0.009	<-0.01	0.036	0.005	2.263	0.171	0.022	0.079	14.62	22	1.5	1.3	<0.5	1.0	0.2	3	<0.5	4	1.0	1.5	0.1	19.5	0.1	4.5	7.5	1.1	<0.001			
EKA26-04	25.84	7.70	0.003	0.007	<-0.01	<-0.01	0.002	0.034	0.007	49.05	<-0.01	0.014	0.020	0.004	0.020	<-0.001	0.075	0.009	<-0.01	0.038	0.005	2.392	0.196	0.059	0.079	14.37	15	1.0	1.0	<0.5	1.0	0.3	3	<0.5	3	1.0	1.0	0.2	17.5	0.2	4.5	6.0	1.2	0.002			
EKA26-05	26.30	9.10	0.004	0.007	0.01	<-0.01	0.002	0.038	0.005	49.60	-0.01	0.014	0.030	0.013	0.020	<-0.001	0.093	0.007	<-0.01	0.040	0.003	2.274	0.182	0.107	0.090	11.84	15	1.5	1.1	<0.5	1.0	0.3	3	<0.5	4	1.0	1.0	0.1	19.0	0.2	4.5	8.5	1.3	<0.001			
EKA26-06	22.87	19.96	0.005	0.004	<-0.01	<-0.01	0.002	0.018	0.006	42.43	<-0.01	0.004	0.010	-0.001	0.020	<-0.001	0.066	0.005	<-0.01	0.047	0.004	2.441	0.173	0.028	0.051	11.60	7	1.5	1.2	<0.5	1.0	0.4	3	<0.5	4	1.0	1.5	0.2	10.0	0.1	3.5	8.0	1.3	<0.001			
EKA26-07	25.13	27.04	0.004	0.007	<-0.01	<-0.01	0.002	0.014	0.006	33.77	-0.01	0.003	0.020	0.002	0.020	<-0.001	0.048	0.008	<-0.01	0.047	0.004	2.707	0.122	0.038	0.043	11.08	6	1.5	1.3	<0.5	1.0	0.4	3	<0.5	4	1.0	1.0	<0.1	8.5	0.2	2.5	9.0	1.5	<0.001			
EKA26-08	22.99	25.29	0.003	0.006	<-0.01	<-0.01	0.002	0.013	0.010	38.46	<-0.01	0.003	0.020	-0.001	0.010	<-0.001	0.046	0.007	<-0.01	0.047	0.004	2.194	0.136	0.017	0.039	10.80	7	1.5	1.5	<0.5	1.0	0.4	5	<0.5	4	1.5	1.0	0.1	8.0	0.3	1.5	9.0	1.8	0.002			
EKA26-09	24.31	27.65	0.002	0.008	0.01	<-0.01	0.002	0.014	0.006	35.27	-0.01	0.004	0.030	0.001	0.020	<-0.001	0.043	0.008	<-0.01	0.060	0.004	2.140	0.144	0.006	0.034	10.43	8	1.0	0.9	<0.5	1.0	0.5	10	<0.5	6	1.5	1.0	0.3	7.0	0.2	1.5	8.5	1.2	<0.001			
EKA26-10	24.04	27.70	0.004	0.006	0.01	<-0.01	0.001	0.011	0.007	35.10	<-0.01	0.007	0.030	-0.001	0.020	<-0.001	0.045	0.005	<-0.01	0.056	0.003	2.037	0.138	0.016	0.030	10.71	6	1.5	1.2	<0.5	0.5	0.3	4	<0.5	3	1.0	1.0	0.1	6.5	0.2	2.0	7.5	1.2	<0.001			
EKA26-11	24.53	28.55	0.003	0.007	0.01	<-0.01	<-0.001	0.012	0.006	34.00	<-0.01	0.011	0.020	<-0.001	0.020	<-0.001	0.067	0.007	<-0.01	0.050	0.004	2.035	0.110	0.012	0.030	10.48	5	1.0	1.2	<0.5	0.5	0.4	2	<0.5	3	1.0	1.0	0.1	6.5	0.2	1.5	8.5	1.3	<0.001			
EKA26-12	23.66	27.18	0.001	0.008	<-0.01	<-0.01	0.002	0.014	0.008	36.13	<-0.01	0.010	0.020	-0.001	0.020	<-0.001	0.065	0.008	<-0.01	0.067	0.004	2.136	0.136	0.011	0.040	10.45	4	1.0	1.6	<0.5	0.5	0.4	4	<0.5	3	0.5	0.5	0.1	8.0	0.2	2.0	8.0	1.2	<0.001			
EKA26-13	28.86	34.45	0.001	0.003	0.01	<-0.01	0.001	0.014	0.004	21.58	-0.01	0.012	0.020	<-0.001	0.010	<-0.001	0.025	0.006	<-0.01	0.068	0.004	2.767	0.080	0.044	0.046	11.49	5	1.0	1.8	<0.5	0.5	0.3	1	<0.5	2	<0.5	0.5	0.2	8.5	0.2	1.5	9.5	1.3	<0.001			
EKA26-14	21.79	25.75	0.004	0.005	0.01	<-0.01	0.002	0.015	0.007	40.94	-0.01	0.018	0.020	-0.001	0.020	<-0.001	0.047	0.007	<-0.01	0.076	0.005	0.959	0.170	0.009	0.036	9.41	4	1.5	0.5	1.2	<0.5	<0.5	0.3	1	<0.5	2	<0.5	0.5	<0.1	7.0	0.2	1.5	1.5	1.3	<0.001		
EKA26-15	33.49	25.85	<-0.001	0.003	<-0.01	<-0.01	<-0.001	0.002	0.022	<-0.01	0.022	<-0.01	0.040	0.001	0.030	<-0.001	0.077	0.001	0.022	0.003	3.230	0.052	0.052	0.052	12.97	7	1.5	1.6	<0.5	1.0	0.2	2	<0.5	2	<0.5	0.2	8.5	0.2	1.5	10.5	1.7	<0.001					
EKA27-01	25.95	38.05	0.003	0.009	0.07	<-0.01	0.002	0.023	0.003	23.16	-0.01	0.083	0.100	0.022	0.020	<-0.001	0.052	0.009	<-0.01	0.011	0.005	2.434	0.078	0.016	0.080	9.83	59	3.0	1.8	<0.5	2.0	0.7	9	<0.5	8	2.0	2.0	0.3	17.0	0.3	3.5	16.5	2.3	<0.001			
EKA27-02	32.86	34.26	0.002	0.009	0.04	<-0.01	0.002	0.018	0.003	17.00	<-0.01	0.077	0.110	0.013	0.040	-0.001	0.032	0.006	-0.01	0.024	0.068	0.004	0.075	0.127	7.5	2.5	1.9	<0.5	1.5	0.6	7	<0.5	6	2.0	1.5	0.3	18.5	0.3	3.5	13.5	2.2	<0.001					
EKA27-03	35.36	9.07	0.003	0.007	0.01	<-0.01	0.001	0.025	0.002	34.08	-0.01	0.020	0.040	0.010	0.030	<-0.001	0.057	0.008	<-0.01	0.039	0.004	3.924	0.130	0.005	0.097	17.11	56	3.0	2.7	<0.5	1.5	0.7	4	<0.5	6	1.5	2.0	0.4	16.5	0.4	4.0	15.5	2.8	<0.001			
EKA27-04	35.27	2.95	0.004	0.009	<-0.01	<-0.01	0.001	0.029	0.003	40.12	<-0.01	0.003	0.020	0.007	0.020	<-0.001	0.047	0.008	<-0.01	0.051	0.005	4.114	0.151	0.063	0.099	16.90	25	2.0	2.3	<0.5																	

	Al2O3	SiO2	As2O3	BaO	CaO	Cl	Co3O4	Cr2O3	CuO	Fe2O3	Ga2O3	K2O	MgO	MnO	Na2O	NiO	P2O5	PbO	Sb2O3	SO3	SrO	TiO2	V2O5	ZnO	ZrO2	LOI1000	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	Au			
Units	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LLD	0.01	0.01	0.001	0.001	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.01	0.001	0.01	0.001	0.001	0.001	0.01	0.001	0.001	0.001	0.001	0.001	0.001	0.01	1	0.5	0.1	0.5	0.5	0.1	1	0.5	1	0.5	0.5	0.1	0.5	0.5	0.1	0.5	0.5	0.1	0.001		
EKA30-10	29.77	30.38	0.002	0.009	0.01	<0.01	<0.001	0.015	0.003	23.86	<0.01	0.018	0.030	<0.001	0.020	0.002	0.043	0.004	<0.01	0.041	0.003	3.139	0.119	0.069	0.055	12.41	11	1.0	1.8	<0.5	1.0	0.3	3	<0.5	3	0.5	1.0	0.4	10.5	0.3	2.5	11.5	1.7	<0.001			
EKA30-11	25.00	27.90	0.002	0.008	<0.01	<0.01	0.001	0.014	0.005	33.60	<0.01	0.016	0.040	<0.001	0.020	0.002	0.056	0.006	<0.01	0.045	0.003	2.204	0.135	0.009	0.043	10.68	19	1.5	1.5	<0.5	1.0	0.5	5	<0.5	5	1.5	1.0	<0.1	8.5	0.2	2.0	12.0	1.4	<0.001			
EKA30-12	24.74	28.27	0.003	0.005	0.01	<0.01	0.001	0.014	<0.001	34.37	<0.01	0.013	0.040	<0.001	0.010	<0.001	0.048	0.008	<0.01	0.046	0.005	2.075	0.105	0.012	0.040	9.88	18	1.5	1.5	<0.5	1.0	0.4	7	<0.5	6	2.0	1.5	0.1	8.0	0.2	2.0	11.0	1.7	<0.001			
EKA30-13	26.62	31.16	0.002	0.006	0.01	<0.01	<0.001	0.012	0.003	28.85	<0.01	0.013	0.030	<0.001	0.010	<0.001	0.040	0.006	<0.01	0.051	0.004	2.154	0.103	0.047	0.039	10.64	16	2.0	1.6	<0.5	1.5	0.3	6	<0.5	6	1.5	1.5	0.2	7.5	0.2	1.5	12.0	1.7	<0.001			
EKA30-14	25.60	29.70	0.002	0.009	0.01	<0.01	0.001	0.015	0.006	31.26	<0.01	0.017	0.030	<0.001	<0.01	<0.001	0.055	0.008	<0.01	0.048	0.004	2.136	0.108	0.012	0.041	10.82	13	1.5	1.4	<0.5	1.5	0.4	8	<0.5	7	1.5	1.5	0.3	7.5	0.5	1.5	10.5	1.5	0.001			
EKA30-15	26.21	30.94	0.002	0.007	0.01	<0.01	<0.001	0.014	0.005	29.24	<0.01	0.030	0.040	<0.001	0.020	0.001	0.041	0.007	<0.01	0.048	0.004	2.235	0.103	0.015	0.035	10.85	14	1.5	1.3	<0.5	1.0	0.4	7	<0.5	4	1.5	1.0	0.1	8.0	0.2	1.5	10.0	1.5	<0.001			
EKA30-16	25.94	30.31	0.001	0.009	0.01	<0.01	0.001	0.017	0.010	29.26	<0.01	0.019	0.040	<0.001	0.010	<0.001	0.049	0.006	<0.01	0.059	0.004	2.198	0.116	0.067	0.035	11.61	12	1.5	1.5	<0.5	1.0	0.5	4	<0.5	4	1.0	1.0	0.1	7.5	0.3	1.5	10.0	1.5	<0.001			
EKA30-17	25.43	29.74	0.002	0.007	<0.01	<0.01	<0.001	0.013	0.011	30.22	<0.01	0.010	0.040	<0.001	0.020	<0.001	0.040	0.007	<0.01	0.054	0.004	2.077	0.109	0.019	0.037	11.81	10	1.5	1.3	<0.5	1.0	0.3	5	<0.5	5	1.0	1.0	0.1	7.0	0.2	1.5	8.0	1.4	<0.001			
EKA30-18	27.82	34.67	0.002	0.007	0.01	<0.01	<0.001	0.013	0.009	23.32	<0.01	0.012	0.050	<0.001	0.010	0.002	0.028	0.006	<0.01	0.043	0.005	2.335	0.083	0.008	0.036	11.74	12	1.5	1.0	<0.5	1.0	0.4	5	<0.5	4	1.0	1.0	0.3	7.5	0.3	1.0	10.5	1.7	<0.001			
EKA31-01	25.57	20.75	0.003	0.010	0.02	<0.01	0.001	0.027	0.004	38.95	<0.01	0.050	0.070	0.034	0.020	0.003	0.089	0.007	<0.01	0.037	0.003	2.472	0.134	0.022	0.098	11.60	24	3.0	1.7	0.5	2.0	0.8	8	<0.5	8	2.0	2.5	0.2	18.0	0.3	3.0	14.0	1.9	0.001			
EKA31-02	33.01	7.96	0.004	0.010	<0.01	<0.01	<0.001	0.029	0.004	39.62	<0.01	0.030	0.040	0.012	0.020	0.002	0.077	0.009	<0.01	0.049	0.005	3.253	0.150	0.017	0.096	15.48	23	2.5	1.8	<0.5	1.5	0.6	4	<0.5	5	1.5	1.0	0.1	18.5	0.2	4.0	12.5	1.8	0.001			
EKA31-03	29.40	11.38	0.004	0.009	<0.01	<0.01	0.001	0.035	0.005	41.01	<0.01	0.019	0.030	0.009	<0.01	<0.001	0.057	0.007	<0.01	0.055	0.004	3.459	0.164	0.005	0.101	14.06	21	1.5	1.7	<0.5	1.0	0.4	3	<0.5	3	1.0	1.5	0.2	20.0	0.2	3.0	10.0	1.7	<0.001			
EKA31-04	32.39	8.93	0.004	0.010	<0.01	<0.01	0.001	0.033	0.004	38.73	<0.01	0.014	0.020	0.003	0.020	<0.001	0.053	0.005	<0.01	0.053	0.003	3.002	0.169	0.049	0.094	16.25	14	1.0	1.3	<0.5	0.5	0.3	2	<0.5	3	0.5	1.0	0.2	20.5	0.3	3.0	9.5	1.3	<0.001			
EKA31-05	32.08	11.38	0.004	0.006	<0.01	<0.01	0.001	0.030	0.004	37.41	<0.01	0.018	0.030	<0.001	0.020	0.005	0.050	0.004	<0.01	0.049	0.003	2.836	0.173	0.012	0.090	16.07	11	2.0	1.0	<0.5	1.0	0.4	3	<0.5	3	0.5	0.5	0.2	16.5	0.2	3.5	11.0	1.5	<0.001			
EKA31-06	33.35	12.03	0.003	0.010	<0.01	<0.01	<0.001	0.025	0.003	33.88	<0.01	0.018	0.020	<0.001	0.020	<0.001	0.047	0.003	<0.01	0.053	0.002	3.333	0.141	0.006	0.081	16.77	16	1.0	1.4	<0.5	1.0	0.6	3	<0.5	3	1.0	1.0	0.2	16.0	0.2	3.0	11.5	1.8	<0.001			
EKA31-07	32.18	11.36	0.004	0.008	<0.01	<0.01	0.001	0.026	0.003	35.84	<0.01	0.013	0.020	<0.001	<0.01	<0.001	0.046	0.004	<0.01	0.052	0.003	3.214	0.148	0.049	0.077	10.70	11	1.5	1.2	<0.5	1.0	0.3	3	<0.5	3	0.5	0.5	0.1	16.5	0.2	3.0	12.5	1.7	0.001			
EKA31-08	24.19	20.41	0.004	0.009	<0.01	<0.01	0.001	0.022	0.005	40.54	<0.01	0.014	0.020	<0.001	0.010	<0.001	0.057	0.005	<0.01	0.065	0.004	2.529	0.152	0.012	0.061	11.71	10	1.0	1.3	<0.5	0.5	0.4	4	<0.5	4	1.0	0.5	0.2	13.0	<0.1	2.5	10.0	1.4	<0.001			
EKA31-09	23.40	22.21	0.003	0.009	<0.01	<0.01	0.002	0.014	0.007	40.73	<0.01	0.007	0.020	<0.001	0.020	<0.001	0.057	0.006	<0.01	0.070	0.004	1.966	0.130	0.012	0.040	11.50	9	1.0	1.2	<0.5	0.5	0.4	4	<0.5	4	1.0	1.0	<0.1	8.5	0.3	2.5	9.0	1.2	<0.001			
EKA31-10	22.64	23.35	0.004	0.007	<0.01	<0.01	<0.001	0.015	0.008	40.61	<0.01	0.006	0.020	<0.001	<0.01	<0.001	0.058	0.005	<0.01	0.071	0.003	1.903	0.145	0.040	0.037	10.98	10	1.5	1.3	<0.5	1.0	0.5	7	<0.5	6	1.5	1.0	0.1	8.5	0.2	1.5	9.5	1.3	<0.001			
EKA31-11	22.31	24.48	0.003	0.010	<0.01	<0.01	0.001	0.014	0.006	40.28	<0.01	0.007	0.010	<0.001	<0.01	<0.001	0.057	0.006	<0.01	0.079	0.003	1.837	0.162	0.008	0.034	10.52	8	1.0	1.2	<0.5	1.0	0.3	7	<0.5	6	2.0	1.5	0.2	7.5	0.2	1.5	9.5	1.5	0.001			
EKA31-12	22.20	25.06	0.003	0.008	<0.01	<0.01	<0.001	0.015	0.005	40.08	<0.01	0.008	<0.01	<0.001	0.010	<0.001	0.054	0.006	<0.01	0.085	0.005	1.785	0.135	0.040	0.033	10.09	5	1.0	1.3	<0.5	1.5	0.4	7	<0.5	9	2.5	1.5	0.3	7.5	0.3	1.5	10.0	1.7	0.001			
EKA31-13	20.40	22.46	0.002	0.008	<0.01	<0.01	0.001	0.018	0.006	44.94	<0.01	0.009	0.010	<0.001	<0.01	<0.001	0.079	0.007	<0.01	0.096	0.004	1.669	0.153	0.040	0.034	9.74	5	1.0	0.9	<0.5	1.0	0.4	6	<0.5	7	2.0	1.5	0.1	7.5	0.1	2.0	9.5	1.5	<0.001			
EKA31-14	21.87	24.65	0.002	0.010	<0.01	<0.01	<0.001	0.020	0.004	41.09	<0.01	0.022	0.020	<0.001	0.010	<0.001	0.050	0.007	<0.01	0.116	0.004	2.156	0.195	0.013	0.039	9.62	5	1.5	1.8	<0.5	1.5	0.4	7	<0.5	8	2.0	1.5	0.2	9.0	0.2	1.5	11.0	1.7	<0.001			
EKA31-15	24.97	28.91	0.002	0.004	<0.01	<0.01	<0.001	0.018	0.003	32.90	<0.01	0.026	0.020	<0.001	0.010	<0.001	0.030	0.007	<0.01	0.112	0.004	2.334	0.122	0.007	0.039	10.34	7	1.5	1.7	<0.5	1.5	0.5	7	<0.5	8	2.0	2.0	0.2	7.5	0.3	1.5	11.5	1.8	<0.001			
EKA31-16	23.70	27.58	0.003	0.008	0.01	<0.01	0.001	0.021	0.005	36.66	<0.01	0.047	0.010	<0.001	0.010	0.002	0.031	0.007	<0.01	0.122	0.004	2.210	0.128	0.082	0.040	10.10	6	1.5	1.3	<0.5	1.5	0.5	6	<0.5	6	1.0	1.5	0.1	7.5	0.2	2.0	10.0	1.4	<0.001			
EKA31-17	25.19	29.95	0.002	0.008	0.01	<0.01	0.001	0.018	0.005	31.62	<0.01	0.014	0.020	0.001	0.020	<0.001	0.030	0.006	<0.01	0.088	0.003	2.278	0.115	0.026	0.037	10.55	6	1.5	1.3	<0.5	1.0	0.3	4	<0.5	4	1.0	1.0	0.1	7.0	0.1	1.0	8.5	1.5	0.003			
EKA31-18	25.93	31.12	0.002	0.006	0.01	<0.01	<0.001	0.011	0.005	29.16	<0.01	0.006	0.020	0.019	0.010	<																															

JORC Code, 2012 Edition – Table 1 Report

Section 1 Sampling Techniques and Data

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	• <i>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.</i> • <i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i> • <i>Aspects of the determination of mineralisation that are Material to the Public Report.</i> • <i>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.</i>	• The data used to report the exploration results were derived from an aircore drilling program conducted at East Kalumburu A by VBX in 2025. • Drilling samples were collected over 1m intervals. For each interval, the entire sample, which typically weighed approximately 10kg, was collected into a plastic bag attached to a rig-mounted cyclone. After geological logging, the bags were labelled, sealed and despatched to Nagrom Perth for laboratory testwork. • Bauxite XRF - Prepared sample is fused in lithium borate flux with lithium nitrate additive. • REE ICP - Prepared sample is fused with sodium peroxide and digested in dilute hydrochloric acid. The resultant solution is analysed by ICP. • Gold Fire Assay – Flux digest solution is analysed by ICP.
Drilling techniques	• <i>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).</i>	• The drilling program was carried out by Precision Drilling using an aircore drilling rig with a 75mm bladed bit and mounted on a 6x4 truck. • All holes were drilled vertically. Hole depths ranged from 9.0m to 37.0m, with an average depth of 19.3m.
Drill sample recovery	• <i>Method of recording and assessing core and chip sample recoveries and results assessed.</i> • <i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i> • <i>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.</i>	• The samples were taken over the full length of the 1 m sampling interval, with the entire sample collected into plastic bags fitted to the bottom of a rig-mounted cyclone. Sample recovery including any sample loss, through the cyclone overflow or collar pipe, was monitored by the VBX geologist who supervised the drilling.

Criteria	JORC Code explanation	Commentary
Logging	- Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. - Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. - The total length and percentage of the relevant intersections logged.	- Logging was carried out on every 1m sample. Major and minor lithology, colour and hardness data were recorded on a field tablet. - All samples were logged.
Sub-sampling techniques and sample preparation	- 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.	- No field preparation was performed, and the entire sample from each interval was collected, bagged, and despatched to Nagrom in Perth. - Most samples were considered to be dry, with no significant quantities of water encountered during drilling. - The samples were processed using conventional sample preparation procedures, which included oven drying, crushing, splitting and pulverising. - Standards and laboratory repeats were collected at a frequency of 1:20 primary samples. The weight/particle size combinations are similar to those commonly used in the industry, and the quality assurance (QA) data do not indicate a problem with sample precision.
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. - 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. - Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	- Geochemical programs were conducted by Nagrom using techniques that are widely used within the industry. Fused bead XRF was used for oxide determination, and thermo-gravimetric analysis was used for loss on ignition (LOI) determination. - Laboratory performance was monitored using the results from the QA samples, which included coarse-crush duplicates, pulp repeats, standards and blanks. - The QA data indicate that accuracy and precision are within industry accepted limits.
Verification of sampling and assaying	- The verification of significant intersections by either independent or alternative company personnel. - The use of twinned holes.	Significant intersections of mineralisation have been reviewed by alternate VBX personnel.

Criteria	JORC Code explanation	Commentary
	- Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. - Discuss any adjustment to assay data.	Primary data is held in CSV, excel and locked PDF format. The electronic files were directly imported into a database by VBX for storage and assessment. No adjustments to the assay data were applied.
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. - Specification of the grid system used. - Quality and adequacy of topographic control.	- The spatial data are reported using WGS84 Zone 52 and GDA94 datum. - Drill hole collar positions were surveyed by VBX personnel using a Garmin GPSMap 64s unit. Because all holes were vertical and shallow, downhole surveying is not considered necessary.
Data spacing and distribution	- Data spacing for reporting of Exploration 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. - Whether sample compositing has been applied.	- In the East Kalumburu A plateau area, 32 holes were drilled on a nominal 300 m × 300 m north–south, east–west grid. - No compositing of samples has been applied.
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. - 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 of the drill holes are vertical and located on a semi-regular grid, which means that the sampling is orthogonal to the sub-horizontal mineralised units. - No orientation-based sampling biases have been identified or are expected for this style of mineralisation.
Sample security	The measures taken to ensure sample security.	- The VBX samples were collected in large plastic sample bags on site. These were sealed and then placed, along with other samples from the drill hole, in large bulka bags, which were closed and secured for transport. - The samples were stored in secure area at the Kalumburu Mission prior to being collected for transport to Nagrom in Perth. - All samples are retained in storage at Nagrom in Perth.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	Sampling practices are subject to internal procedures and review and no significant issues have been identified. VBX considers that the work has been performed in an appropriate manner.

Section 2 Reporting of Exploration Results

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

Criteria	JORC Code explanation	Commentary
<i>Mineral tenement and land tenure status</i>	• <i>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.</i> • <i>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.</i>	• E80/4791-I is 100% owned by VBX and located on Balanggarra country near the community of Kalumburu in northern Western Australia. • The licence is subject to a 2% gross revenue royalty. • There are no known impediments to obtaining a licence to operate in the area.
<i>Exploration done by other parties</i>	• <i>Acknowledgment and appraisal of exploration by other parties.</i>	• VBX is not aware of any historical on-ground exploration in the East Kalumburu area.
<i>Geology</i>	• <i>Deposit type, geological setting and style of mineralisation.</i>	• Regionally, the Wuudagu deposits are lateritic bauxites occurring in mesa cappings of lateritic duricrust that formed by the weathering and residual enrichment of the Paleoproterozoic rocks of the Carson Volcanics Formation. • The lateritic profile is typically several metres thick and generally comprises a thin layer of intermixed soil and laterite fragments, a friable – semi friable bauxitic layer of pisolites and nodules in a clayey matrix, and a basal clay layer that represents a transition zone between the bauxite layer and the underlying fresh volcanics. • At Wuudagu, the main minerals in order of abundance are gibbsite, goethite, hematite, kaolin, with lesser amounts of quartz, anatase, and boehmite. The mineralogy at East Kalumburu A is not yet known.
<i>Drill hole Information</i>	• <i>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:</i> ○ <i>easting and northing of the drill hole collar</i> ○ <i>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</i> ○ <i>dip and azimuth of the hole</i> ○ <i>down hole length and interception depth</i>	• All relevant drill data has been presented in the accompanying documentation. • The mineralisation occurs on a flat mesa surface with an elevation of between 260 to 270m ASL.

Criteria	JORC Code explanation	Commentary
	○ hole length. • 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.	
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. • 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. • The assumptions used for any reporting of metal equivalent values should be clearly stated.	• All relevant drill data has been presented in the accompanying documentation.
Relationship between mineralisation widths and intercept lengths	• These relationships are particularly important in the reporting of Exploration Results. • If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. • If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').	• The mineralisation occurs in sub-horizontal layers and all drill holes are vertical. As such, the mineralised zones are approximately orthogonal to the drill holes and the reported drill hole intercepts can be considered true thicknesses.
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.	• Appropriate diagrams are included in the accompanying documentation.
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.	• Balanced reporting of Exploration Results are included in the results.
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.	• N/a.
Further work	• The nature and scale of planned further work (eg 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,	• 21 additional holes on a 300m x 300m grid are planned at East Kalumburu A.

Criteria	JORC Code explanation	Commentary
	<i>provided this information is not commercially sensitive.</i>	