

SECURING DEMAND-DRIVEN METALS IN ANGOLA

SOILS UP TO 13.2% TREO AND 3.9% Nb₂O₅ DEFINE CARBONATITE-HOSTED RARE EARTHS-NIOBIUM DRILL TARGETS AT COOLA, ANGOLA

Highlights

- From ~1,084 historic soil samples:
 - 185 above 1.5% TREO¹, including 26 above 5% TREO, with a peak of 13.18% TREO; and
 - 25 samples above 2% Nb₂O₅² with a peak of 3.9% Nb₂O₅.
- Rock chip sampling supports soil geochemistry with assays up to 4.85% TREO and 2.85% Nb₂O₅.
- Coola is the most advanced of four alkaline intrusions identified on the 830km² project, providing pipeline upside (Figure 1).
- The Coola carbonatite ring dyke is ~3km in circumference, much of which is overlain by anomalous TREO and/or Nb₂O₅ geochemistry, and is drill-ready. (Figures 3 and 4).

Outlook – December quarter activities:

- 500 soil geochemistry samples of the wider Sulima West and Mt Verde Prospects.
- Analysis of samples previously screened by pXRF from drilling, trenches and exploration pits.
- Continue historic data integration ahead of drilling at Coola in Q2 2027 subject to the duration of the wet season.

¹ TREO means the sum of Rare Earth Element (REE) assays, each converted stoichiometrically to its Oxide, thus La₂O₃+ CeO₂+ Pr₆O₁₁+ Nd₂O₃+ Sm₂O₃+ Eu₂O₃+ Gd₂O₃+ Tb₄O₇+ Dy₂O₃+ Ho₂O₃+ Er₂O₃+ Tm₂O₃+ Yb₂O₃+ Y₂O₃+ Lu₂O₃

² Nb is the chemical symbol for Niobium.

Tyranna's Managing Director, David Crook said:

"The historic work³ is significant and has handed Tyranna a refined suite of drill targets from day one. More than a thousand soil samples define rare earths and niobium anomalies around the 3km Coola carbonatite ring, with grades up to 13% TREO and 3.9% niobium oxide at surface, supported by rock geochemistry. These results will form the foundations for our maiden exploration drilling program scheduled for Q2 2027.

"Carbonatites host many of the world's major rare earth and niobium mines, and Angola already has two mines under construction nearby, specifically the Longonjo Project located only 45 km's south of the Coola Prospect, currently being developed by Pensana, and the Niobonga Niobium Project, 250km southwest, under development by the Chinese-controlled Niobonga Comércio Geral.

"Our job now is to best use this significant data package to identify the highest quality targets and to start drilling."

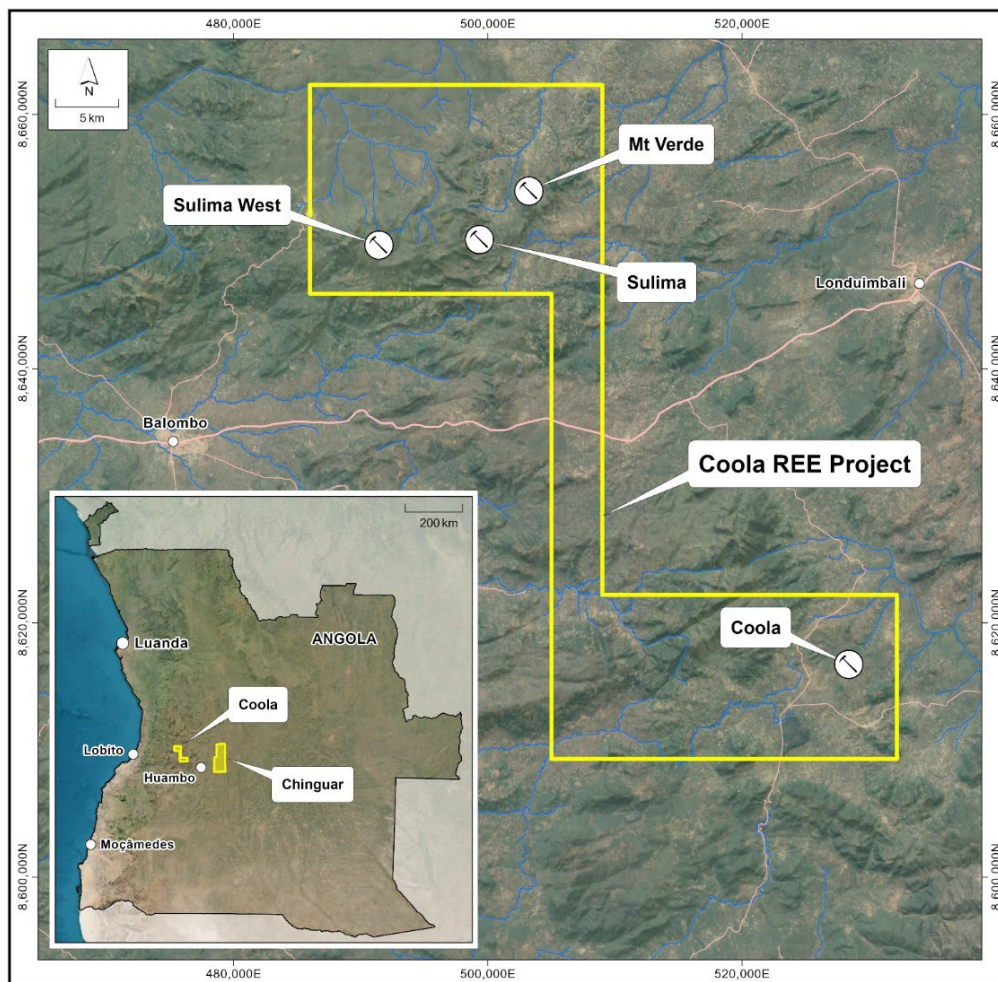


Figure 1: Location of the Coola REE Project within Angola, approximately 60km northwest of the provincial capital city off Huambo. With an area of 830 km², the Coola Project contains 4 mapped alkaline intrusions.

³ See a list of market and other reports from Pensana Plc relevant to the Coola Project in Appendix 1.

Tyranna Resources Limited (ASX: TYX) ("**Tyranna**" or "the **Company**") has completed a review of exploration data supplied by the vendor for the Coola Prospect, part of the Coola Rare Earths and Niobium Project in central Angola.

The Project consists of a single, large, granted Prospection Title⁴ with an area of 830 km², located approximately 60 km northwest of Angola's third largest city, Huambo.

The Coola Prospect is one of 4 alkaline intrusives (which includes carbonatites) located within the greater Coola Rare Earths and Niobium Project.

Historical data includes soil and rock geochemistry, which identified high-grade rare earths and niobium soil anomalies around a carbonatite ring dyke with a ~3km circumference, which the Company plans to drill during the second quarter of 2027, after the wet season (usually November to March) ends.

The project is located within the geologically significant Lucapa Graben, a major regional tectonic corridor famous for hosting alkaline intrusions including kimberlites and carbonatites, along with rare earth elements and diamond deposits.

While Tyranna has been operating in Angola for the past four years, the Company has recently shifted its exploration focus from lithium to rare earth elements and other critical minerals. Angolan carbonatites are considered geological analogues of Brazil's carbonatite deposits, which host major niobium, rare earth and phosphate resources.

The Coola Prospect targets a prominent alkaline-carbonatite complex

The Coola Prospect is expressed as a circular ring-shaped dyke, formed by magmatic activity associated with deep mantle-derived alkaline melts. Geological investigations indicate that the complex consists of an incomplete carbonatite ring dyke surrounding a central diatreme, a volcanic pipe-like feature that is largely obscured by soil cover and weathered material. The ring dyke has mapped carbonatite exposures reaching widths of up to 50 metres in places⁵.

The Coola ring dyke has attracted considerable geological interest, and exploration programs have confirmed the presence of REE-bearing minerals, including bastnäsite, within the carbonatite. These geological characteristics are consistent with those observed in several globally significant carbonatite-hosted rare earth deposits.

⁴ Mining Licence No. 059/02/01/T.P/ANG-MIREMPET/2020

⁵ LSE 14/11/2022: Pensana Plc Exploration Results from Coola Exploration Licence

Summary of previous work and highlights to date

Soil Geochemistry: Four phases completed, and all analysed by Nagrom, Perth, W.A.

- 400m x 100m covering an area of 16.5km². (358 samples)
- 100m x 100m covering 2km² covering the ring dyke and diatreme. (224 samples)
- 50m x 10m sampling of the carbonatite ring dyke (254 samples)
 - **185 samples assayed greater than 1.5% TREO, including**
 - **26 samples above 5% TREO, and up to a maximum assay value of 13.18% TREO.**
 - **25 samples above 2% Nb₂O₅ with a peak of 3.9% Nb₂O₅.**
 (Refer to Table 5 and Figures 3 and 4 for a more comprehensive list of results.)
- 50m x 25m sampling of the 'Outer Dyke' south of the ring dyke (248 samples)
- High values are associated with the Coola carbonatite ring dyke and at the Outer Dyke areas.

Rock Chips: Samples from eastern limb TREO anomalies and western limb Nb₂O₅ anomaly.

- The dataset includes 79 rock chip samples.
- **11 samples assayed between 2.12% TREO and 4.85% TREO and**
- **10 samples assayed between 1.03% Nb₂O₅ and 2.85% Nb₂O₅.**

Refer to Figures 3 and 4, Table 1 and 2 for selected high results and Table 6 for a more comprehensive list of results.

Table 1: Rock Chip Analyses > 2.00% from TREO Targets

Sample ID	East	North	Ce	Dy	La	Nb	Nd	Pr	Tb	Nb ₂ O ₅	TREO
	(epsg:32733)	(epsg:32733)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	pct
22515	527720	8617271	11418	57	10243	725	2117	845	13.1		3.04
22517	527756	8617274	9487	41.5	7817	325	1928	735	10.6		2.46
22520	527855	8617291	10989	28	10105	290	1771	770	8.2		2.89
22523	527884	8617281	17884	49	17676	705	2979	1266	13.8		4.85
22524	527896	8617267	17258	40.5	17044	715	2598	1196	10.4		4.63
22526	528348	8616988	10523	28.5	10204	165	1717	749	7.6		2.83
22527	528369	8616962	9091	26	8285	415	1502	668	6.4		2.39
22530	528409	8616923	16620	30	16194	550	2567	1177.5	9.4		4.44
22531	528412	8616905	8245	37.5	6706	235	1595	642.5	9		2.12
22532	528410	8616888	8571	35.5	6927	110	1780	686.5	9.6		2.22
22534	528413	8616866	9910	44	7462	205	2035	806.5	10.5		2.50

Table 2: Rock Chip Analyses > 1.00% Nb₂O₅ from Nb Target

Sample ID	East	North	Ce	Dy	La	Nb	Nd	Pr	Tb	Nb ₂ O ₅	TREO
	(epsg:32733)	(epsg:32733)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	pct
22497	527565	8616827	303	63.5	123	19950	138	29.5	12.3	2.85	
22506	527588	8616728	3377	114	2496	7215	1376	391	27.4	1.03	1.06
22507	527586	8616725	1396	136.5	673	9520	918	207.5	32.7	1.36	
22508	527576	8616757	553	101	236	16285	339	69	23.2	2.33	
22509	527604	8616687	1964	105.5	1249	9060	801	230.5	23	1.30	

Table 2: Rock Chip Analyses > 1.00% Nb₂O₅ from Nb Target

Sample ID	East	North	Ce	Dy	La	Nb	Nd	Pr	Tb	Nb ₂ O ₅	TREO
	(epsg:32733)	(epsg:32733)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	pct
22510	527608	8616647	2201	108.5	1529	7610	922	262	25.2	1.09	
22511	527617	8616633	732	65	330	8835	264	65	15.6	1.26	
22512	527649	8616584	2320	103.5	1342	8960	913	256.5	22.8	1.28	
22513	527673	8616537	368	106.5	189	17980	176	44	20.2	2.57	
22560	527607	8616633	1313	435	676	11210	575	145	61.8	1.60	

Auger Drilling:

- 100m x 100m sampling within the central diatreme (49 holes).
- 8 of the holes which were drilled adjacent to the outcropping carbonatite reported values between 1.04 and 1.92% TREO.

Table 3: Auger Samples which Assayed > 1.0% TREO

Sample	East	North	Depth	Ce	Dy	La	Nb	Nd	Pr	Tb	TREO
ID	(epsg:32733)	(epsg:32733)	cm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct
22561	527980	8617160	0-40	4944	122.5	3586	1205	1202	413	23.4	1.36
22563	528197	8617001	0-20	8816	59.5	4719	1380	1259	465.5	12.7	1.92
22574	527899	8616321	0-20	5210	101	5471	1980	1858	625	22.1	1.71
22578	528102	8616520	0-40	6834	84	5213	2440	1571	581.5	17.4	1.82
22589	527788	8617199	0-20	5562	79	4680	1445	1374	497	16.9	1.56
22594	527726	8617113	0-40	4195	104	2505	1320	1033	330.5	22.9	1.10
22600	528001	8617100	0-20	4043	178.5	3460	1360	1600	493.5	40.4	1.35
22615	528201	8616898	0-20	4916	63	3737	1355	1037	382.5	12.7	1.29

NB: All Auger holes drilled with an azimuth of 0° and dip of -90° (i.e. Vertical).

RC Drilling:

- 7 holes drilled into the central diatreme encountered ultramafic or brecciated carbonatite.
- 1 hole was drilled into the fenite-alteration margin at the southern end of the ring dyke.
- Samples from these holes were screened using a pXRF however results are not reported here. Selected samples will be analysed at a commercial laboratory during the December quarter.

Table 4: RC Drill Hole Collar Locations

Hole ID	East	North	RL	Azim	Inclin	Length	Lithology
	(epsg:32733)	(epsg:32733)	(MAMSL)	(°)	(°)	(m)	
CRC01	527989	8616773	1719	0	-90	21	Dunite
CRC02	527944	8617002	1714	0	-90	21	Dunite
CRC03	527819	8616905	1739	0	-90	19	Dunite
CRC04	527825	8616680	1754	0	-90	33	CarbBX
CRC05	528044	8616587	1703	0	-90	28	CarbBX
CRC06	528210	8616706	1717	0	-90	35	CarbBX
CRC07	528207	8616874	1710	0	-90	38	CarbBX
CRC08	527929	8616272	1729	0	-90	32	Fenite

Geophysics:

- Ground magnetics and radiometrics surveys covered an area of 2.5km², surveyed with north-south lines spaced at 25m intervals.

Mineralogy⁶

- One hand-picked rock sample from the Coola carbonatite taken for sighter flotation testwork. Main REE minerals identified were bastnäsite, monazite and florencite. The sample had a head grade TREO assay of 3.72%.
- No work has been undertaken to identify niobium minerals.

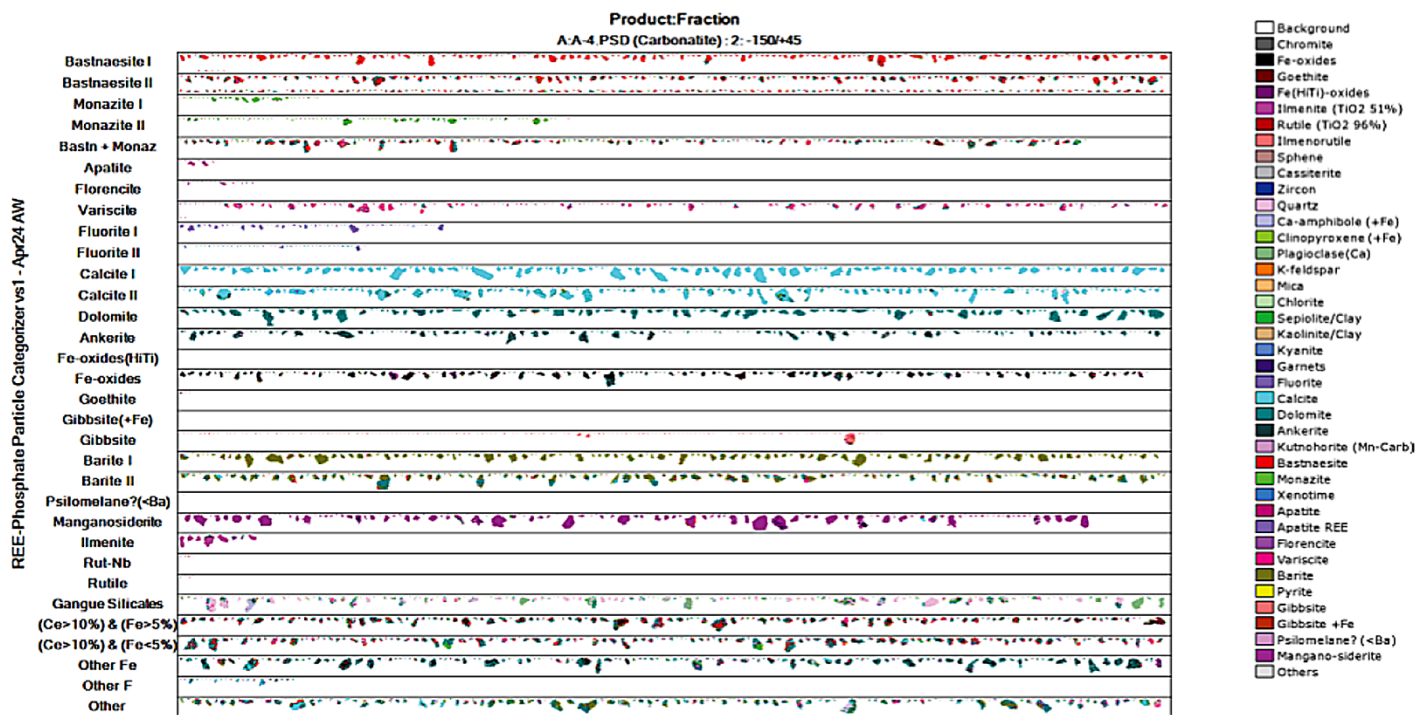


Figure 2: Coola Carbonatite Particle View of the -150+45µm Fraction:

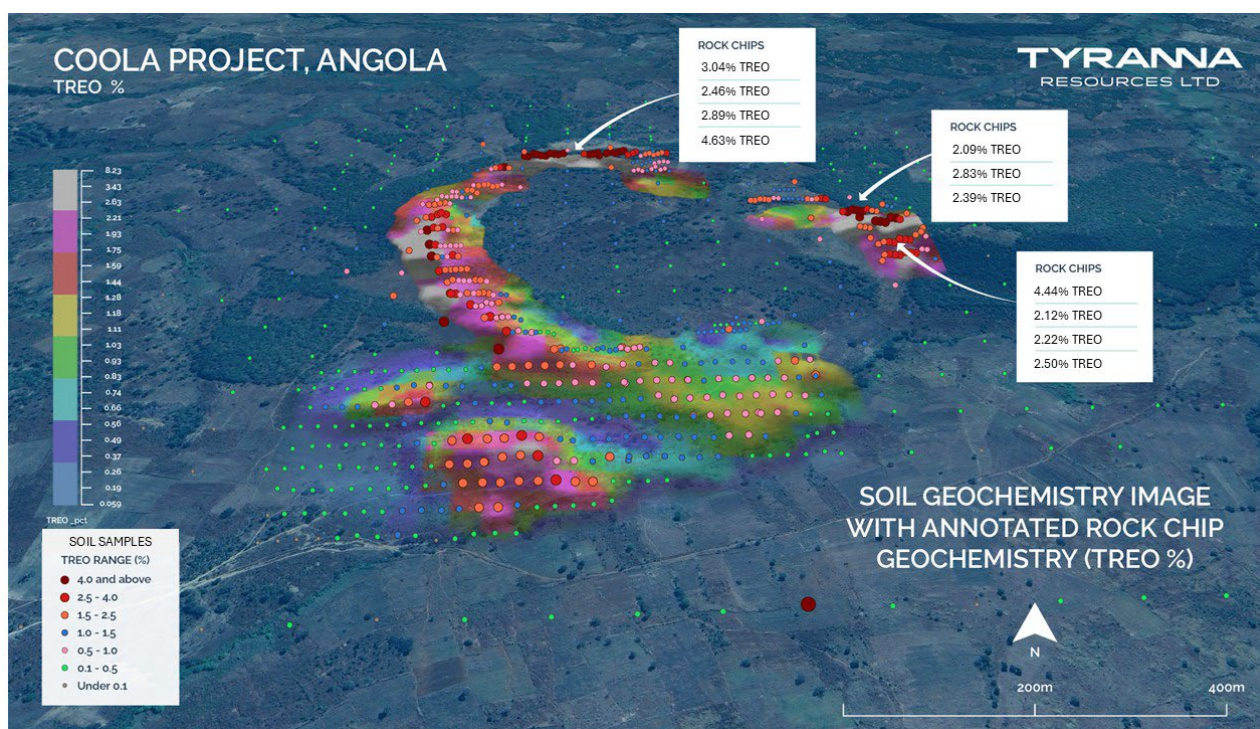


Figure 3: Oblique image of TREO soil geochemistry showing location of mineralised rock chip samples.

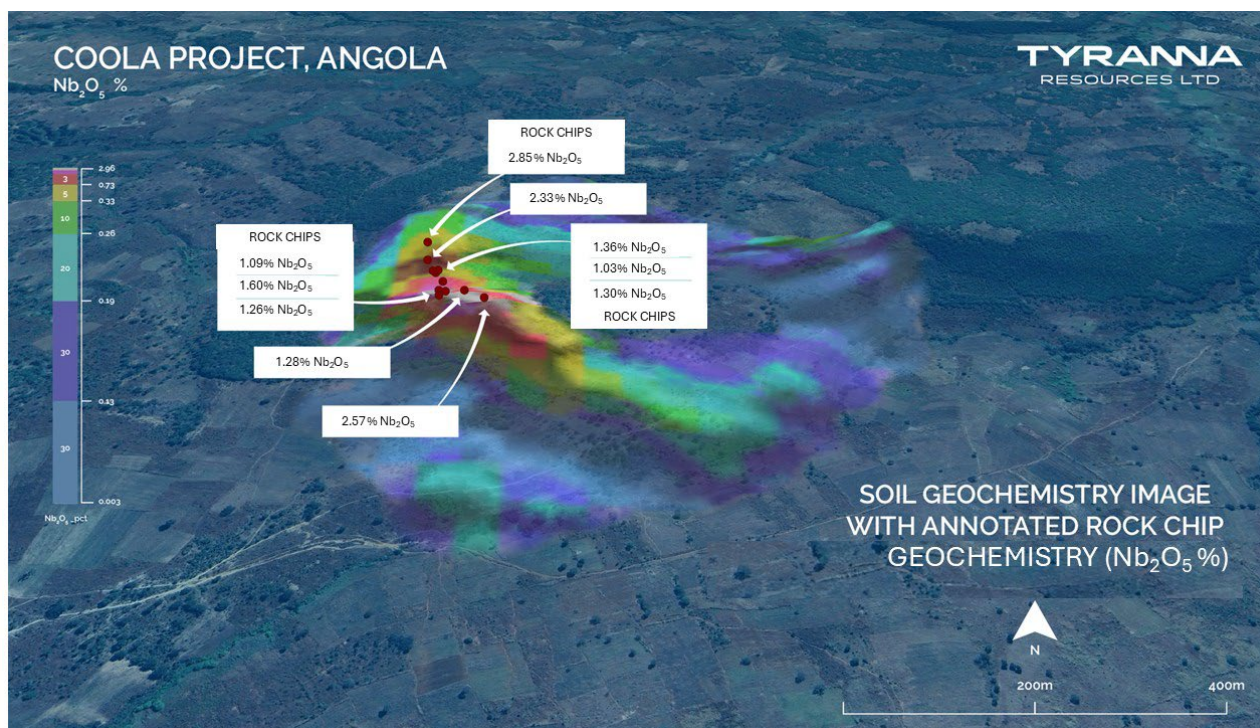


Figure 4: Oblique image of Nb₂O₅ soil geochemistry showing location of mineralised rock chip samples.

About Tyranna Resources Limited

Tyranna Resources Ltd (TYX) is an ASX listed mineral explorer and for the past 4 years has been operating in Angola, Africa.

The Company's aim is to discover and develop demand-driven metal minerals in this emerging jurisdiction, to create wealth for shareholders and local Angolans, by providing constituents needed as the global population transitions to clean energy technologies.

Tyranna initiated its project generation initiative during 2024 by appraising numerous projects offered by Angolan promoters and title holders, as well from a review of IGEO datasets.

The Chinguar Gold Project

Since Angola's independence from Portugal in 1975, gold mining has been restricted to artisanal operations (garimpo) with varying degrees of sophistication. The Chinguar Project has a number of established garimpo operations ranging from handheld pick and shovel operations to mechanised backhoe excavator workings. To date 15 garimpo have been visited – the number and distribution of garimpo workings within the Project provides credibility to the likelihood that the Project is wide-open to a significant discovery.

The Coola Rare Earths and Niobium Project

The Coola Rare Earths and Niobium Project consists of a single, large, granted Prospection Title with an area of 830 km², located approximately 60 km northwest of Angola's third largest city, Huambo. Academic studies and earlier work by Coola Mining have identified four (4) formally described alkaline-intrusions, two of which have mapped carbonatite phases.

While subject to an advancing extension of term application, the granted Prospection Title is already annotated for rare earths minerals. On 21 July 2026 MIREMPET (Ministry of Mineral Resources, Oil and Gas) instructed ANRM (National Agency for Mineral Resources) to process the extension of term.

Work by Coola Mining to date has included geophysical and geochemical surveys covering or partly covering three targets. Tyranna and its consultants are compiling and modelling these datasets to formulate the next phase of work, details of which will be reported when complete.

Tyranna, through its subsidiary Luvulu (Mauritius) Limited, may earn a 70% shareholding in Coola Mining LDA and therefore the Coola Rare Earths and Niobium Project.

Various academic studies (e.g. Lapido, Loureiro, F.E.V., 1973, Filho, A.I., et al 1991, Alberti, A., et al 1999) have described Angolan alkaline rock intrusions, which included the emplacement of many kimberlites and carbonatites, predominantly occurring within the Lucapa Graben that formed as part of the tectonic events associated with the breakup of Gondwana and the opening of the South Atlantic Ocean during the Early Cretaceous, about 130 to 120 million years ago.

Forward Looking Statement

This announcement may contain some references to forecasts, estimates, assumptions, and other forward-looking statements. Although the company believes that its expectations, estimates and forecast outcomes are based on reasonable assumptions, it can give no assurance that they will be achieved. They may be affected by a variety of variables and changes in underlying assumptions that are subject to risk factors associated with the nature of the business, which could cause actual results to differ materially from those expressed herein. All references to dollars (\$) and cents in this announcement are to Australian currency, unless otherwise stated. Investors should make and rely

upon their own enquiries and assessments before deciding to acquire or deal in the Company's securities.

Competent Person's Statement

The information in this report relates to Exploration Results for the Coola Rare Earths and Niobium Project, including exploration data compiled by Coola Mining Ltd and Pensana Plc (the Project vendor), and is based on, and fairly represents, information provided to and reviewed by Mr Jonathan Smalley, who is a member of the Australian Institute of Geoscientists (MAIG: 3740). Mr Smalley is employed by JS Geological Pty Ltd, through which he provides his services to Tyranna Resources Ltd as a Consulting Geologist. Mr Smalley has more than five years relevant experience in the style of mineralisation and type of deposit under consideration (carbonatite-hosted rare earths and niobium) and qualifies as a Competent Person as defined in the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (the JORC Code). Mr Smalley consents to the inclusion of the information in this report in the form and context in which it appears. Mr Smalley has reviewed the historical exploration data compiled by the Project vendor, including original laboratory certificates, QA/QC data and sample location records, and considers the data suitable for reporting as Exploration Results under the JORC Code. Mr Smalley has not visited the Project.

Authorised by the Board of Tyranna Resources Ltd



David Crook
Managing Director

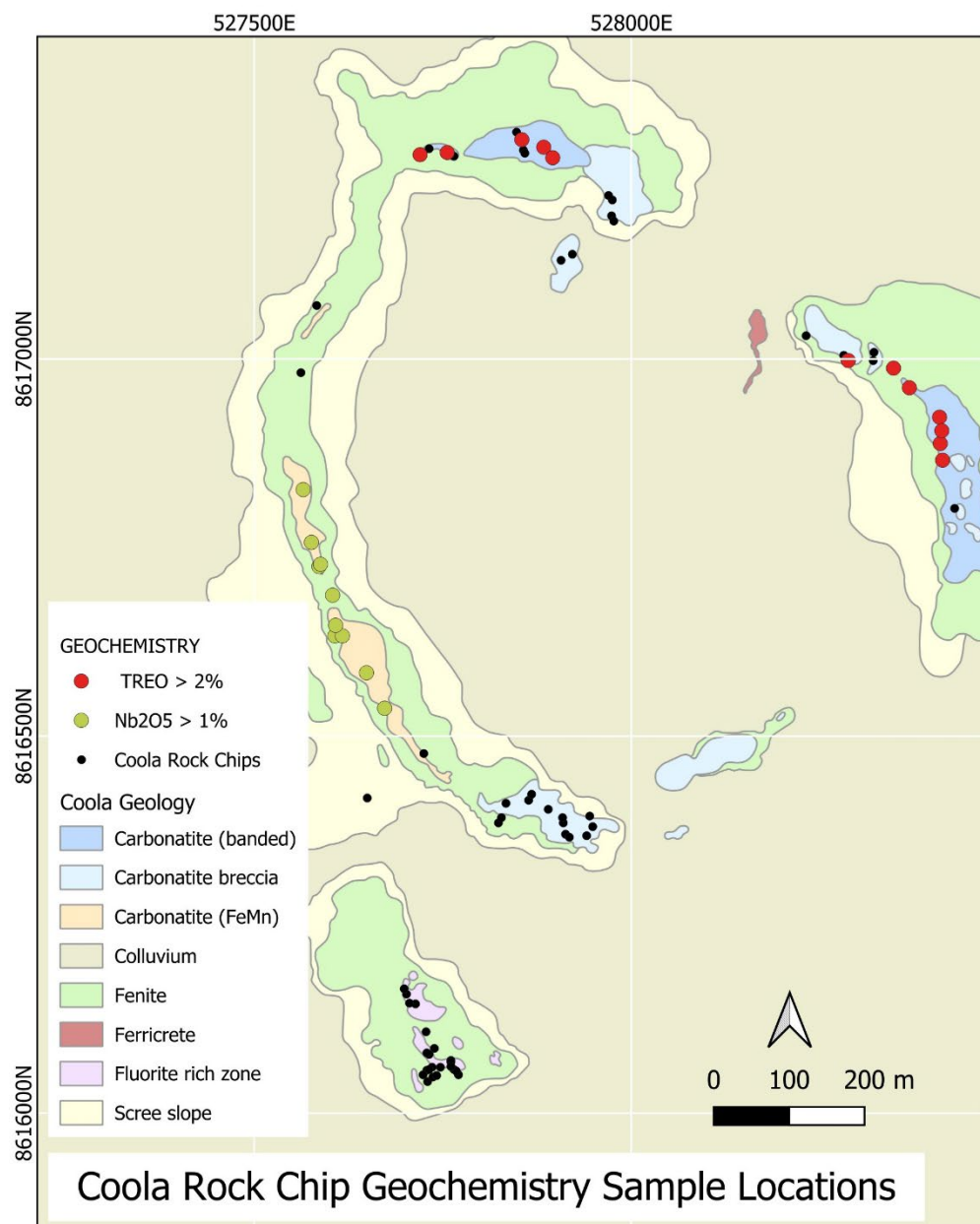


Figure 5: Coala Rock Chip Sample Locations

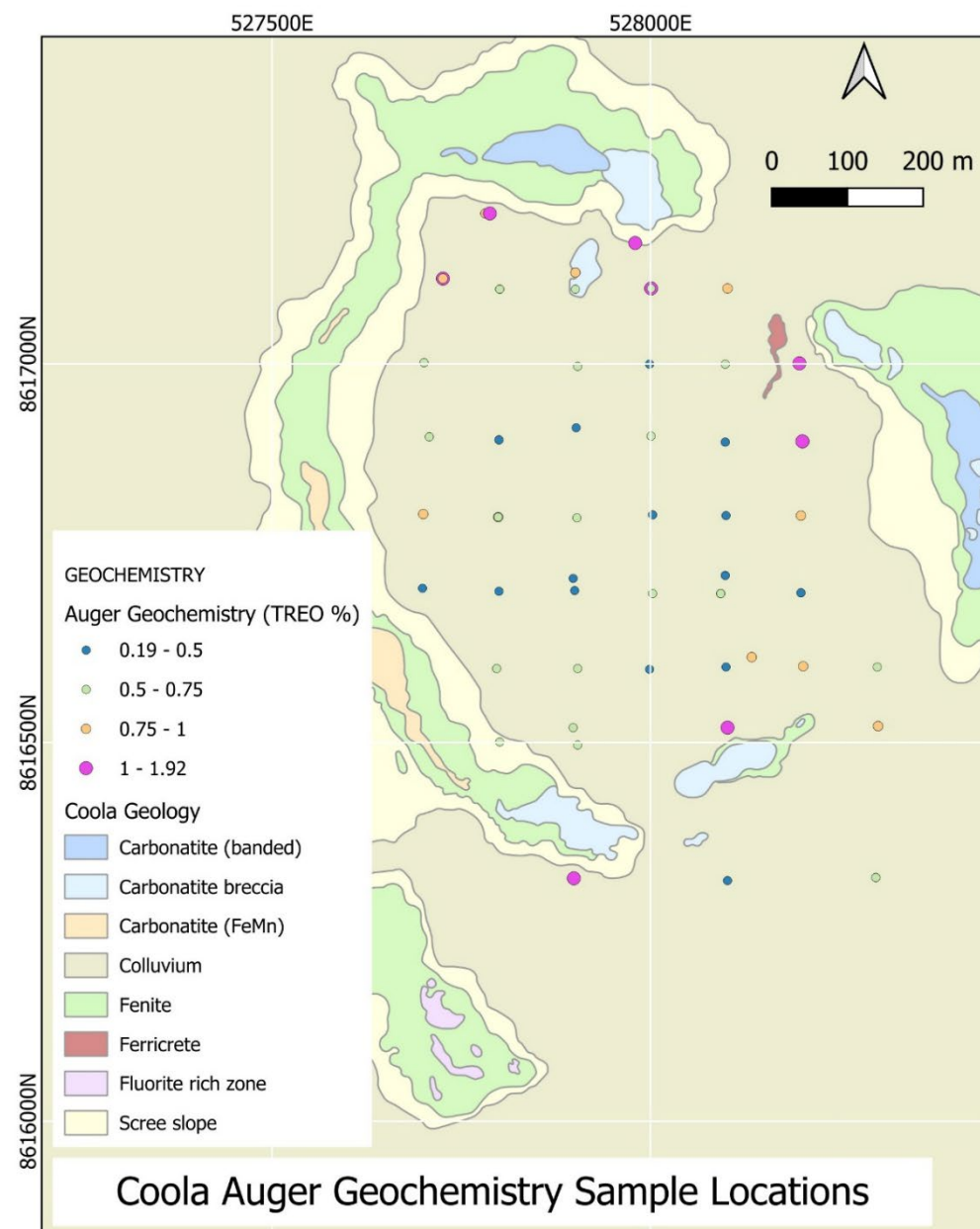


Figure 6: Coala Auger Geochemistry Sample Locations



Figure 8: Field Crew preparing for soil sampling



Figure 9: Site visit to the Coola Carbonatite

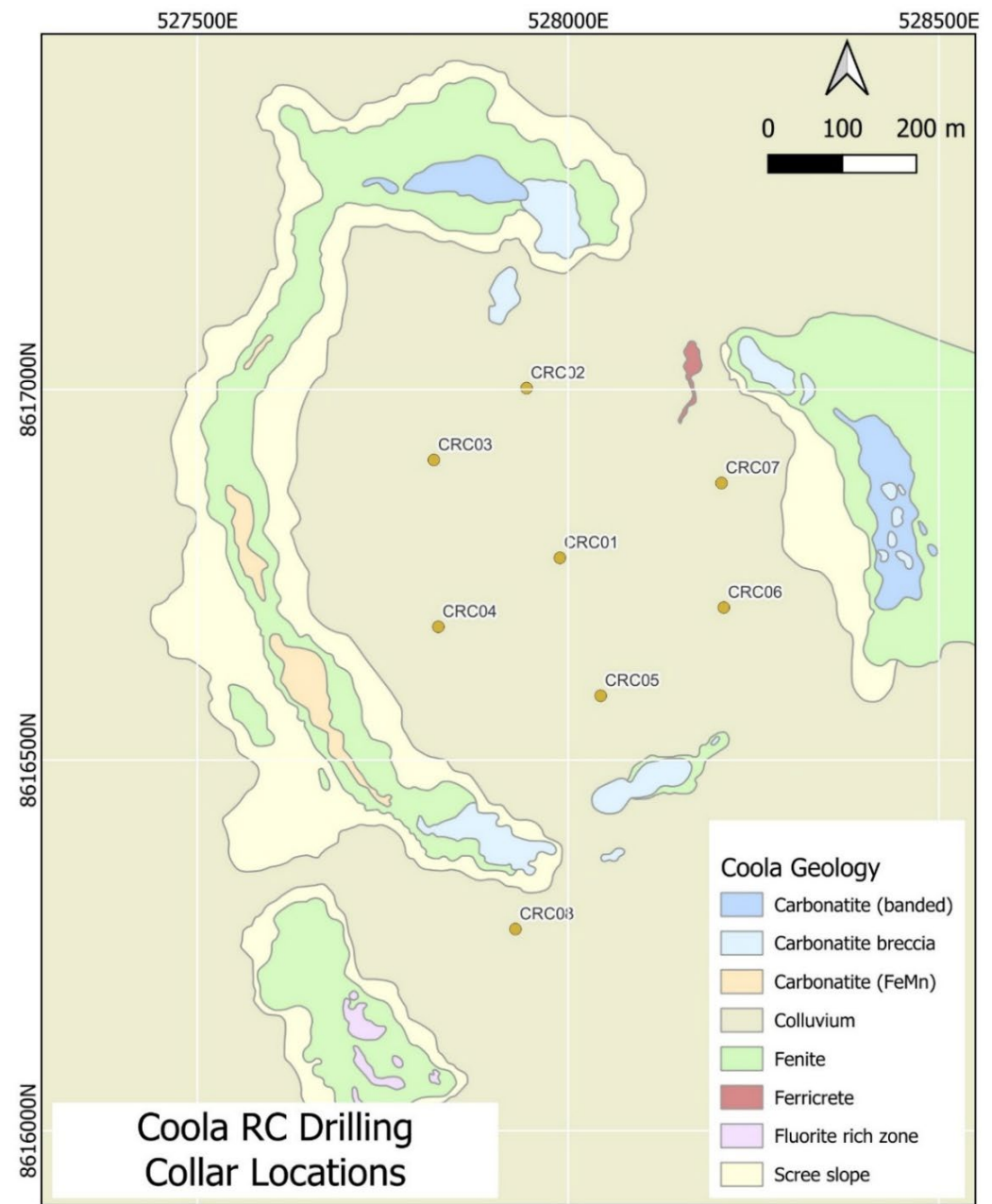


Figure 7: Coola RC Collar Locations

Appendix 1: Background Information

Date	Announcement Title	Link	Source
19/10/2020	Coola exploration programmes in full swing	https://pensana.co.uk/category/coola-project-history-news/	Pensana Plc Coola Project History & News archive
21/12/2020	High grade rare earths confirmed at Coola	https://pensana.co.uk/category/coola-project-history-news/	Pensana Plc Coola Project History & News archive
27/09/2021	Coola Continues to Deliver Strong Progress	https://pensana.co.uk/coola-continues-to-deliver-strong-progress/	Pensana Plc announcement page
4/04/2022	Update on the Results from Coola Exploration Programme	https://pensana.co.uk/category/coola-project-history-news/	Pensana Plc Coola Project History & News archive
14/11/2022	Exploration Results from Coola Exploration Licence	https://pensana.co.uk/category/coola-project-history-news/	Pensana Plc Coola Project History & News archive
29/08/2023	Update on Sampling Results from the Coola Exploration Licence	https://pensana.co.uk/wp-content/uploads/2023/08/Coola-Update-LSE-August-2023-F.pdf	LSE announcement PDF published by Pensana Plc
14/09/2023	Mineralogical Results from the Coola Exploration Licence	https://pensana.co.uk/wp-content/uploads/2023/09/Coola-Update-LSE-14-Sept-2023.pdf	LSE announcement PDF published by Pensana Plc
11/03/2024	Update on Coola and Sulima West Exploration Programmes	https://pensana.co.uk/wp-content/uploads/2024/03/Update-on-Coola-and-Sulima-West-Exploration-Programmes-11-March-2024.pdf	LSE announcement PDF published by Pensana Plc
4/04/2024	Coola Project: Encouraging Sulima West Results	https://pensana.co.uk/wp-content/uploads/2024/04/Coola-Update-Encouraging-Sulima-West-Results.pdf	LSE announcement PDF published by Pensana Plc
28/07/2025	Longonjo construction budget on track and Coola carbonatite drilling	https://pensana.co.uk/wp-content/uploads/2025/07/Longonjo-construction-budget-on-track-and-Coola-carbonatite-drilling.pdf	LSE announcement PDF published by Pensana Plc

Appendix 2: Selected Soil Geochemistry Results

Table 5: Soil Samples which assayed > 0.75% TREO and Nb ₂ O ₅ >0.75%																					
Sample_ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sc	Sm	Tb	Tm	Y	Yb	TREO	Nb2O5
	(epsg:32733)	(epsg:32733)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	pct
20551	527600	8617300	3936	34.2	14.8	23.6	55.6	5.4	2340.5	1.1	706	703.5	268.4	69	1480	6.75	1.9	129.6	11.1	0.10	0.92
20552	527700	8617300	6728.5	70.6	31.7	46.9	108.7	11.7	4527.5	2.3	817	1468.5	548.4	71	4480	13.45	3.85	293.3	22.6	0.12	1.69
20553	527800	8617300	5203	69.3	30.2	47.7	111.5	11.05	4176	2.3	829	1417	513.8	56	4390	13.25	3.75	249.1	22.8	0.12	1.44
20554	527900	8617300	7135	94.8	39.1	63.4	152.9	15.2	5028	2.7	927	1883	667.2	66	4685	18.2	4.6	381.9	26.7	0.13	1.89
20556	528000	8617300	2600.5	62.6	27.3	38	96.2	10.1	2310	1.9	806	984	333	42	2015	11.75	3.2	266.2	18.4	0.12	0.83
20557	528100	8617300	5564	57.9	26.7	33.5	81.8	9.6	2994.5	2.1	1236	979.5	364.5	78	1815	10.5	3.4	234	20	0.18	1.27
20566	527600	8617200	3187.5	38.5	14.7	29.5	70.8	5.95	2171.5	1.1	580	787	284.5	69	955	8.05	1.8	151.2	10.4	0.08	0.83
20567	527700	8617200	3754	54.8	24.15	32.6	78.9	9	2070	2	1021	746	270.4	82	2835	10.3	3.05	222.4	18.6	0.15	0.89
20568	527800	8617200	4265	42	20	21.6	55.2	6.95	2169.5	2	1090	603	232.5	70	2405	7.4	2.65	181.7	16.9	0.16	0.93
20569	527900	8617200	7843.5	59.8	27.8	33.1	80.7	9.7	4144	2.6	1203	1090.5	437.1	100	2480	11	3.75	237.2	23.2	0.17	1.70
20571	528000	8617200	4471	155.2	75	59.2	168.8	26.4	3361	6.2	1173	1141	415.4	223	850	24.55	9.9	688.3	57.3	0.17	1.30
20572	528100	8617200	3656	47.3	25.6	21.5	53.8	8.5	1618.5	2.6	1291	489.5	185.8	94	895	8.1	3.45	208.4	22.8	0.18	0.78
20573	528200	8617200	3292.5	45.9	24.75	21.5	54.9	8.15	1700	2.5	1173	527	197.3	73	895	7.65	3.3	206.6	21	0.17	0.75
20582	527600	8617100	5641	58.1	23.95	44.1	95.9	9.4	2420	1.8	962	1072.5	378	98	705	11.4	3.05	229.6	18.4	0.14	1.23
20583	527700	8617100	5106.5	65.9	27.8	43.9	100.2	10.35	2495	2.3	1323	946.5	341.1	110	1600	12.2	3.55	260.4	21.6	0.19	1.16
20585	527800	8617100	3705	44.6	21.15	25.3	59.4	7.45	1714.5	2.1	1251	547.5	209.6	97	1010	8.1	2.75	187.7	18.7	0.18	0.8
20586	527900	8617100	3057	58	28.95	26.5	67.6	10.25	2097.5	3.1	1397	616.5	237.8	103	1055	9.7	4.1	260.8	26.9	0.20	0.79
20589	528200	8617100	4107.5	48.7	27.5	21.7	55	8.7	1993.5	3.3	1344	587	225.2	88	1115	7.9	4.15	222.1	27.7	0.19	0.89
20590	528300	8617100	8655.5	62.1	25.5	46.1	106.6	9.65	4761	1.8	2426	1542.5	570.5	74	2325	12.75	3.05	212.7	18.1	0.35	1.95
20596	527500	8617000	4411	71.8	31.35	45.6	105.2	11.55	2309	2	1201	1151	406.9	86	635	13.2	3.55	347.2	19.4	0.17	1.10
20598	527600	8617000	3889.5	119.2	54.6	60.8	150.9	19.7	1879	4	1362	1053.5	326.9	105	2240	20.4	6.7	531.1	38.7	0.19	1.01
20605	528200	8617000	9928	42.4	19.45	26.5	61.2	6.9	3319	2	1376	956.5	365.1	88	1010	8.3	2.8	154	17.3	0.2	1.82
20606	528300	8617000	5137.5	73.7	42.95	31.6	82.6	13.4	2694	5.5	1230	875	314.8	113	2215	12	6.35	354.6	43.8	0.18	1.18
20607	528400	8617000	3800	51.8	22.55	34.3	83.5	8.45	2843.5	1.7	2282	1067	356.8	55	1185	10	2.7	218	15.9	0.33	1.04
20612	527500	8616900	7648	61.4	25.1	64.3	127.3	9.3	3681.5	1.8	1109	1898.5	641	71	745	13.2	3.05	249.2	18.7	0.16	1.77
20613	527600	8616900	3923.5	82.3	36.05	48.3	114.2	13.5	1369	2.5	1882	809.5	249.6	84	795	14.8	4.35	309.3	24.2	0.27	0.86
20614	527700	8616900	3188	79	39.2	35.4	90.4	13.45	1402	3.5	2071	643	209.3	97	860	13	5.1	356.4	32.5	0.3	0.75
20619	528200	8616900	6028.5	34	18.7	15.5	37.9	6	2271.5	2.1	1199	525.5	209.2	90	850	5.75	2.75	142.8	18.5	0.17	1.13

Table 5: Soil Samples which assayed > 0.75% TREO and Nb₂O₅ >0.75%

Sample_ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sc	Sm	Tb	Tm	Y	Yb	TREO	Nb2O5
	(epsg:32733)	(epsg:32733)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	pct
20621	528300	8616900	12118	51	24.4	30.5	71.4	8.55	4358.5	2.4	1638	1139.5	449	99	1420	9.9	3.65	190.1	22	0.23	2.25
20622	528400	8616900	18632	83.8	31.55	76.5	173	12.6	13335.5	1.8	2135	3421	1335.9	67	1960	18.9	3.55	308.5	19.7	0.31	4.54
20628	527500	8616800	7181	68.3	26.25	58	123.9	10.45	3366	1.6	1946	1571.5	526.3	69	870	13.95	2.9	250	17	0.28	1.62
20629	527600	8616800	5162.5	92.2	43.85	58.8	134.4	15.4	2830.5	4.2	2646	1168.5	393.8	89	2395	16.7	5.8	411.6	36.2	0.38	1.27
20631	527800	8616800	3272	50.1	25.75	25.5	62.4	8.45	1661.5	2.5	2127	550	200.7	73	755	8.5	3.55	209.3	23	0.3	0.75
20636	528300	8616800	7272	39.4	19.45	22.7	53.4	6.75	3200.5	1.9	1098	840.5	337.4	85	1435	7.35	2.65	158.5	17.3	0.16	1.46
20637	528400	8616800	8144.5	70.7	33.35	40.6	99.7	11.75	6128.5	3.1	926	1541.5	609.9	98	2980	13	4.45	302.2	26.5	0.13	2.07
20638	528500	8616800	7770.5	42.4	15.2	35.4	78.8	6.2	3519.5	0.9	1307	1310.5	466.5	43	910	9.2	1.75	129.5	10.4	0.19	1.63
20642	527400	8616700	7464.5	39.2	13.75	28.8	60.6	5.65	1962	1	2351	698.5	257.8	69	550	7.95	1.7	99	10	0.34	1.3
20643	527500	8616700	6984	55.9	20.75	41.3	92.6	8.3	2819	1.3	3034	1058.5	373.3	72	1265	11.5	2.4	166.4	14.1	0.43	1.42
20644	527600	8616700	8385	121.6	46.5	83.4	193.1	18.4	4161	3	3611	1886	616.3	85	970	23.55	5.4	439.5	31	0.52	1.96
20646	527700	8616700	3197.5	59.6	29.1	33.9	81.6	10.05	1902.5	2.9	2011	736.5	257.8	68	1215	10.5	3.85	262.5	24.4	0.29	0.81
20652	528300	8616700	4372.5	41.8	22.55	20.9	52.1	7.4	2305	2.3	1186	655.5	257.6	81	1630	7.2	3.3	189.3	19.8	0.17	0.97
20653	528400	8616700	9959	54.6	25.8	41.4	92.2	9.1	5531.5	2.2	1191	1675.5	648.4	84	4975	11.05	3.35	211.2	20.6	0.17	2.22
20658	527500	8616600	6916.5	51.4	17.65	44.7	99.3	7.35	4301	1.1	2334	1401	511.4	78	925	11.25	1.95	152.6	11.4	0.33	1.65
20660	527600	8616600	14113.5	139	49.35	95.9	226.8	20.55	8777.5	2.4	6004	2527.5	944.8	109	1225	28.25	5.3	445.4	28.3	0.86	3.34
20668	528400	8616600	5004	32.4	13.75	23.2	52.9	5.05	2848.5	1	1034	874	336.4	48	3040	6.55	1.8	121.3	10	0.15	1.13
20673	527500	8616500	4003	40.3	14.85	32.4	72.7	5.95	2091.5	1	1707	859.5	298.1	63	740	8.35	1.85	133	10.8	0.24	0.93
20675	527600	8616500	16784.5	171.8	48.65	181.8	410	22.5	12356	2.3	4815	5362	1785	231	2975	41.5	5.05	496.4	29.3	0.69	4.6
20676	527700	8616500	2436	307	112	239.8	611.1	47.8	1252	6.8	7786	1296	320	57	2805	66.2	13.65	1455	70	1.11	1.06
20684	528400	8616500	4148	28.8	13.05	19	44.3	4.7	2336.5	1.2	944	678.5	263	45	2755	5.65	1.75	112.6	10.9	0.14	0.93
20692	527700	8616400	16504	160.1	47.8	149.1	328.5	21.5	11095.5	2.3	6283	4991.5	1628.1	263	2135	35.9	5.15	429.6	29.5	0.9	4.32
20693	527800	8616400	6477	202.3	59.05	171.7	411.1	27.05	5751.5	3.1	4776	3518	1083	66	1670	44.4	6.4	572.8	36	0.68	2.26
20694	527900	8616400	6381.5	127.4	55.35	78.1	191.8	20.4	4292.5	5.2	2040	2037.5	654.8	137	7910	23.3	7.15	538.4	45.2	0.29	1.77
20695	528000	8616400	2775.5	82	43.45	36.1	94.9	14.45	1765	4.2	1539	762.5	253.6	86	2805	13.4	5.75	401.6	36.6	0.22	0.77
20696	528100	8616400	3186	105.9	60.15	40.3	109.4	19.1	1877.5	6.2	1363	801.5	264.5	95	3575	16.15	8.45	530	53.2	0.19	0.87
20697	528200	8616400	3566	82.6	43.8	39.1	97.9	14.75	2046	4.6	1911	945	312.5	101	4345	13.9	6.15	397.7	39.7	0.27	0.93
20698	528300	8616400	2951	69.3	38.85	31.7	81.5	12.5	1844	4.2	1510	787	264.7	71	3670	11.5	5.55	343.9	35.8	0.22	0.79
20706	527600	8616300	4500.5	64.9	30.7	34.4	92.5	11.05	2900.5	2.4	305	790	287.9	36	730	11.5	3.7	348.3	21.3	0.04	1.11

Table 5: Soil Samples which assayed > 0.75% TREO and Nb₂O₅ >0.75%

Sample_ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sc	Sm	Tb	Tm	Y	Yb	TREO	Nb2O5
	(epsg:32733)	(epsg:32733)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	pct
20707	527700	8616300	3650	30.6	16.1	21.9	51.1	5.5	2285.5	1.7	711	643	239.9	50	915	5.9	2.25	158.9	15.1	0.1	0.87
20708	527800	8616300	7215	44.8	16.55	33.4	72.8	6.55	1934.5	1.1	3189	822.5	289.4	94	1040	9.25	1.95	134.2	12.2	0.46	1.3
20709	527900	8616300	5356	45.3	21.95	25.3	58.1	7.3	1702	1.8	2057	604.5	220.4	76	2530	8.2	2.75	178.2	18.4	0.29	1.01
20710	528000	8616300	4818.5	45.5	22.8	24.4	56.7	7.65	2131.5	2.3	1760	692	262	88	3405	8.1	3.15	186.7	20.5	0.25	1.01
20712	528100	8616300	5129.5	52.2	25.35	28.9	69.1	8.85	2870	2.6	1718	864	328	89	2795	9.4	3.7	220.3	23.5	0.25	1.17
20713	528200	8616300	10724.5	58.1	26	38.7	86.2	9.15	4280.5	2	1118	1223.5	482.2	93	4560	11.35	3.25	205.5	19.6	0.16	2.09
20723	527700	8616200	3646	67.4	33.2	37.4	90.2	11.35	1960	2.3	1002	866.5	285.1	41	2825	11.65	4	305.6	22.3	0.14	0.9
20949	528100	8615800	13955.5	184.4	41.3	315.7	646.5	21.75	10640	0.9	1569	9116	2438.4	141	430	57.15	3.85	432.6	21.9	0.22	4.69
21125	528000	8616200	5489	32.4	11.6	21.1	41.8	4.7	1963	1	1563	590.5	227.2	66	1530	6.15	1.55	87	9.3	0.22	1.04
21126	528100	8616200	5545	48.4	19.6	27.6	61.7	7.7	2869	1.8	1570	882	337.4	64	3330	9.1	2.75	167.6	15.6	0.22	1.22
21136	527700	8616100	8349.5	235	93.75	177.2	396	38.95	2682.5	5.9	309	2473.5	646.1	42	3220	50.05	11.35	892.9	59.1	0.04	2.01
21137	527800	8616100	5525	107.7	45.65	66.1	153.3	18.65	2219.5	2.9	936	1339.5	382.9	40	4260	21.6	5.55	429.5	28.1	0.13	1.27
21560	527700	8616350	6560	62	22.6	53	122	9.7	4295	2	3965	1491	546.5	100	1600	13.4	2.7	195	14	0.57	1.63
21561	527724	8616350	9608	78	27	64	146.5	11.5	3999	2.5	6790	1518	618.5	130	1500	16.6	3.2	215	14.9	0.97	2
21562	527750	8616351	9962	73	25.3	57	131.5	11.2	4744	2	8570	1513	608.5	120	1000	15.3	2.8	209	14.3	1.23	2.12
21563	527776	8616350	7662	66.5	23.4	45	104	10.3	3009	2	7660	938	405.5	80	1000	13.2	2.9	191	14.5	1.1	1.53
21564	527800	8616350	8093	79	28.8	53.5	123	12.4	3742	2.5	9340	1174	493.5	80	1000	15.4	3.6	240	17.1	1.34	1.72
21565	527820	8616350	6037	62.5	25.7	40	100	9.8	2987	2	5380	1083	367	70	1800	12.9	3	220	20.6	0.77	1.34
21566	527850	8616350	6899	92.5	37	63	136	15.2	4453	3	2820	1454	617.5	60	3600	17.2	4.4	312	22.9	0.4	1.73
21567	527873	8616350	4597	65.5	31.2	42	80.5	11.7	2637	4	930	838	369.5	90	5200	11.2	4.5	273	23.4	0.13	1.1
21568	527900	8616350	5259	87.5	42.2	49.5	122.5	15.5	3301	5	1725	1210	485	100	5800	15.3	5.9	380	30	0.25	1.35
21569	527925	8616351	3524	65.5	33.9	33.5	84	12.3	2135	5	1255	742	306	80	4900	11	4.8	289	26.7	0.18	0.89
21571	527951	8616349	4229	84.5	41.3	46.5	112	15.5	2642	5	1920	1055	411.5	90	7100	14.8	5.4	366	27.9	0.27	1.11
21572	527975	8616351	4255	71	38.1	36	91.5	13.6	2510	5.5	1790	800	345.5	100	5800	12.2	5.5	325	30.7	0.26	1.04
21573	527999	8616350	3575	61.5	35.1	28.5	70.5	11.7	1945	5	1795	575	273	100	4300	9.6	5.3	281	30.3	0.26	0.85
21575	528048	8616351	3020	66	36.7	28	71	12.7	1762	5.5	1720	542	247.5	90	3400	10.2	5.4	290	30.3	0.25	0.75
21577	528100	8616350	3216	69.5	40.8	29.5	77.5	13.4	1887	5.5	1615	646	269.5	90	3600	10.9	5.6	323	32.2	0.23	0.81
21578	528124	8616349	3559	77	43.2	33	84.5	14.7	2159	5.5	1725	711	308	100	3400	11.9	6.5	349	35.8	0.25	0.91
21580	528149	8616352	4158	79	45.9	35	90	15.7	2573	6.5	1830	845	365.5	100	3100	12.7	6.5	369	36	0.26	1.06

Table 5: Soil Samples which assayed > 0.75% TREO and Nb₂O₅ >0.75%

Sample_ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sc	Sm	Tb	Tm	Y	Yb	TREO	Nb2O5
	(epsg:32733)	(epsg:32733)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	pct
21581	528176	8616350	6515	92	49.1	43.5	112	17.4	4417	6	1780	1244	566	100	2900	15.6	6.9	408	37.1	0.25	1.65
21582	528200	8616350	5193	77.5	45	36	92.5	15.2	3260	5.5	1925	910	419.5	100	2900	12.6	6.8	364	35.3	0.28	1.28
21590	527576	8616301	3250	59.5	25.7	33	88.5	10.6	2812	2.5	515	682	304.5	40	600	10.5	3.2	279	16.5	0.07	0.92
21591	527600	8616298	4786	80	37.9	45	122	14.3	3518	4	475	913	393	40	800	14.5	4.8	397	23.7	0.07	1.26
21593	527650	8616300	3401	36.5	18.1	26	64.5	6.7	1913	2.5	595	551	242	40	600	6.9	2.7	186	14.6	0.09	0.79
21595	527699	8616301	3599	30.5	16.3	21.5	56.5	5.8	2337	2	690	630	261.5	40	800	6.1	2.3	163	13.5	0.1	0.87
21596	527725	8616301	3530	35.5	16.2	25.5	61	5.9	2310	2	1140	704	288.5	50	800	6.7	2.3	150	13.1	0.16	0.87
21598	527750	8616300	4974	43.5	18.2	35	80	7.3	2712	2	2255	897	384	60	1100	8.9	2.4	155	13.2	0.32	1.14
21599	527776	8616301	5702	40	15.7	30	67.5	6.3	1961	1.5	3945	652	297.5	80	1100	8	2.1	131	11.2	0.56	1.09
21600	527799	8616300	6993	44	17.5	32.5	74.5	7	1880	1.5	5550	603	299	80	1000	9	2.1	138	11.6	0.79	1.24
21601	527824	8616300	7310	44	17.5	31	69.5	7.1	1718	1.5	7410	541	279.5	80	900	8.7	2.3	135	11.2	1.06	1.25
21602	527851	8616300	6408	40	16.3	27	65	6.4	1752	1.5	6395	578	268	80	900	8.2	2.1	132	14	0.91	1.14
21604	527876	8616299	4931	37	17.7	21	52	6	1357	2	4750	396	184	60	1200	6.9	2.3	137	14.8	0.68	0.88
21605	527902	8616299	5615	44.5	23.2	22	57	7.6	1749	2.5	3140	476	236	70	2400	8	3	188	21.8	0.45	1.03
21606	527925	8616301	6110	45.5	24.2	24.5	61	7.9	2263	2.5	2410	614	300	80	2700	8.2	3.1	190	22.7	0.34	1.18
21607	527951	8616300	5980	44.5	23.5	26.5	66	7.8	2477	2.5	2140	695	301	80	2800	8.8	3.1	184	22.3	0.31	1.2
21608	527975	8616301	5824	42	23.6	24	61	7.7	2441	3	1990	608	280	80	3100	8	3.3	190	23.8	0.28	1.16
21609	527999	8616301	4838	43.5	25	23	58.5	8	2184	3	1810	568	262	80	3200	8.1	3.4	199	25.1	0.26	1.01
21610	528025	8616301	4343	42.5	24.5	20.5	52	7.7	2124	3	1495	507	262	90	2800	7.2	3.4	192	26	0.21	0.93
21611	528048	8616301	4802	46.5	28	23	59	8.3	2542	3.5	1790	623	307	90	2800	8	3.7	198	27.8	0.26	1.06
21612	528075	8616300	5079	50	28.2	27	69.5	9.1	2982	3.5	1705	791	345	90	3000	9.3	3.8	225	28.2	0.24	1.17
21613	528100	8616300	5248	49	27.8	25.5	66.5	8.7	2910	3	1835	717	348	80	2600	8.9	3.8	218	26.6	0.26	1.18
21614	528125	8616300	5855	51.5	27.6	27.5	71	8.8	3507	3.5	1780	834	375	80	3000	9.4	3.5	230	26.4	0.25	1.34
21615	528151	8616299	4497	50.5	26.6	26.5	72.5	8.8	2697	3	1685	769	321	70	3400	9.2	3.6	231	24.7	0.24	1.06
21616	528174	8616301	3734	49	24.6	26.5	67	9	2326	3	1500	675	289	60	3800	8.8	3.2	223	24	0.21	0.91
21617	528200	8616300	3512	45.5	24.1	24	66.5	8.1	2156	3	1400	663	276	50	3500	8.3	3.1	210	21.7	0.2	0.86
21623	527524	8616251	5726	96	42.2	31.5	91	17.3	2692	2.5	645	660	317	50	1000	14.4	4.2	418	25.5	0.09	1.24
21625	527550	8616250	5928	73	31.3	46.5	124.5	11.7	3895	2.5	560	1089	410	40	900	15	3.4	291	23.9	0.08	1.46
21626	527574	8616252	8538	103.5	40.7	63.5	173.5	15.6	4978	3	520	1383	578	40	1300	21	4.4	405	28.6	0.07	1.99

Table 5: Soil Samples which assayed > 0.75% TREO and Nb₂O₅ >0.75%

Sample_ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sc	Sm	Tb	Tm	Y	Yb	TREO	Nb2O5
	(epsg:32733)	(epsg:32733)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	pct
21627	527599	8616253	10145	106	45	81	204.5	17.3	7941	4	410	2127	783	40	2200	23.1	5.3	454	35.4	0.06	2.67
21637	527850	8616250	3597	24	11.6	17.5	41.5	4	1652	1.5	1210	509	211	40	1300	4.9	1.6	93	11.5	0.17	0.75
21638	527877	8616253	4156	23.5	11.8	17.5	41	4	1713	1.5	1340	481	223	50	1500	4.9	1.6	93	11.1	0.19	0.83
21639	527897	8616251	4704	40	14.3	38.5	85.5	5.8	1958	1.5	1590	607	250	50	1400	9.5	1.7	116	12.4	0.23	0.96
21641	527924	8616250	5487	23	10.4	17	36.5	4.2	1631	1	1340	441	190	60	1100	4.9	1.6	86	8.2	0.19	0.97
21642	527951	8616254	6652	30	14.2	21.5	46	5.1	1839	1.5	2530	520	218	80	1200	6.1	1.9	95	10	0.36	1.16
21643	527975	8616250	7246	31.5	14.3	21	46	5.2	1874	1.5	2635	461	225.5	80	1100	6.3	1.8	105	10.1	0.38	1.23
21644	527999	8616251	7338	31	14.3	19	41.5	5.6	1941	2	2900	442	213.5	80	1400	6.2	2.1	108	11.2	0.41	1.24
21646	528025	8616251	6579	33	15.7	19.5	44	5.8	2177	2	2800	499	238	70	1700	6.5	2.2	121	13	0.4	1.19
21647	528049	8616253	5983	36.5	17.9	21.5	49	6.5	2457	2.5	2635	581	279	70	2200	6.5	2.6	136	13.8	0.38	1.17
21648	528075	8616250	5587	37	17.6	24	52	6	2310	2	2245	766	288.5	60	5400	6.3	2.4	153	14	0.32	1.13
21649	528100	8616250	6178	49.5	21.9	31	72	7.8	3183	2.5	2065	1028	391	60	4700	8.8	2.9	216	17.5	0.3	1.37
21650	528125	8616250	6746	45.5	22.6	30	70.5	7.6	3532	2.5	2085	1136	430	60	5600	8.3	3.2	209	18.8	0.3	1.49
21651	528150	8616250	5463	48	22.3	30	73	7.9	3142	2.5	1745	1126	413.5	50	4500	8.8	3.1	224	18.6	0.25	1.29
21652	528175	8616250	4079	57.5	25.5	31.5	80	9.4	2498	2.5	1620	1054	367.5	40	4300	9.5	3.3	261	19.6	0.23	1.04
21653	528200	8616250	3089	41.5	18.4	23	57	6.5	1725	2	1395	732	254.5	30	3300	7	2.3	184	13.4	0.2	0.75
21678	527975	8616200	4208	25	11.6	17.5	38.5	3.9	1534	1	1400	538	197.5	50	1700	4.6	1.6	83	9.8	0.2	0.82
21679	528000	8616200	5091	28	12.6	19	42.5	4.2	1741	1.5	1835	587	218.5	60	1500	5.2	1.6	95	10.3	0.26	0.96
21680	528025	8616200	6370	35	15	23	49	5.4	1938	1.5	2435	673	254.5	70	1400	6.3	1.9	113	11.9	0.35	1.16
21681	528050	8616200	6328	55.5	24.6	27	65.5	8.7	2341	2	2610	777	295.5	70	2200	9.1	3	193	16.9	0.37	1.24
21682	528077	8616201	5647	47.5	22.4	26	63	7.7	2582	2	2060	862	326	60	3300	7.7	2.9	172	17	0.29	1.19
21684	528097	8616203	5211	43.5	19.7	26.5	60.5	7.2	2662	2	1735	881	335	60	3400	7.5	2.7	171	15.8	0.25	1.15
21685	528125	8616202	4710	44.5	21.8	26.5	63	7.4	2612	2.5	1545	929	344	50	3600	7.5	2.8	183	16	0.22	1.09
21697	527600	8616152	3322	52.5	21.3	36	88	8.5	1526	1.5	515	982	292.5	40	1000	10.6	2.6	194	13.8	0.07	0.81
21699	527650	8616149	10145	176.5	76.1	99	261	30.3	3950	5	1010	2622	786.5	50	3200	33.7	8.4	736	41.5	0.14	2.33
21700	527672	8616150	14087	394	157.7	263.5	662.5	63.8	5449	9.5	815	5134	1366	50	5300	76.4	17	1673	83.5	0.12	3.66
21701	527700	8616151	6274	207.5	88.1	138.5	336.5	35	2810	5.5	675	2590	674	50	3900	40	9.7	833	46.7	0.1	1.76
21702	527724	8616152	6302	179	86.3	120	286.5	31.9	3262	5.5	580	2621	710	50	4000	33.9	9.4	856	49.9	0.08	1.8
21704	527749	8616152	14491	307.5	131.1	220.5	533.5	50.6	7188	8	935	5349	1475.5	60	3300	61	14.6	1283	72.2	0.13	3.86

Table 5: Soil Samples which assayed > 0.75% TREO and Nb₂O₅ >0.75%

Sample_ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sc	Sm	Tb	Tm	Y	Yb	TREO	Nb2O5
	(epsg:32733)	(epsg:32733)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	pct
21705	527774	8616151	10760	135.5	62.1	97	226.5	23	3340	4.5	1080	2287	662	70	1800	26.8	7.1	560	37.4	0.15	2.25
21706	527804	8616150	3364	43.5	20.8	30.5	72	7.6	1315	2	785	788	234.5	40	1100	8.8	2.6	190	14.8	0.11	0.75
21716	528025	8616149	4361	26	13.4	16	37	4.6	1671	1.5	1525	531	201	50	1600	4.8	1.7	100	10.3	0.22	0.85
21717	528047	8616149	5105	38.5	19.5	21.5	49.5	6.8	2048	1.5	1750	698	260	60	1500	7.2	2.3	158	14	0.25	1.03
21718	528076	8616152	5749	41	19.3	21	50.5	7.1	1972	1.5	2085	640	240	60	1600	7.1	2.4	158	14.2	0.3	1.09
21735	527651	8616099	10989	180	75.1	105.5	253.5	29.5	2746	5	1235	2193	617	30	4400	33	8.3	683	44.7	0.18	2.22
21736	527676	8616100	8551	212	92.2	140.5	346.5	35.3	2597	6	1945	2244	608	50	3500	39.6	10.5	838	55.1	0.28	1.96
21737	527699	8616100	8273	203.5	88.1	163.5	370	33.1	2443	6	1820	2237	569	40	3300	40.1	10.1	899	51.6	0.26	1.93
21738	527725	8616101	10419	241.5	101.7	152.5	372.5	38.9	3340	7	1205	2932	797	40	4400	44.4	11.3	916	57.5	0.17	2.41
21739	527750	8616101	9935	194.5	86.5	138.5	333	32	3873	6.5	930	2849	803.5	40	3700	37.5	10	797	55.8	0.13	2.37
21741	527774	8616101	12847	252	103.7	185.5	456.5	40.7	5464	6	750	3967	1121	60	3700	50.5	11.4	1067	56.1	0.11	3.17
21742	527800	8616100	4856	87.5	40.5	55.5	130	15.3	1873	3	1025	1213	349	30	2300	16.8	4.4	377	22.9	0.15	1.11
21743	527824	8616100	5493	91	40.6	64	153	15.6	2178	3	1075	1485	429	50	1500	18.4	4.7	378	24.9	0.15	1.28
21745	527874	8616101	5073	183	73.3	112.5	294	30.8	3131	4	790	2221	625.5	40	4500	37.2	7.5	704	37.4	0.11	1.55
21747	527925	8616101	3395	64.5	28.5	38.5	97	11.5	1389	2	930	805	248.5	40	2800	13	3.1	254	16.7	0.13	0.78
21749	527951	8616101	3470	51	22.3	28	69.5	7.9	1450	1.5	1200	699	230.5	30	6300	9.2	2.4	184	14.4	0.17	0.77
21750	527975	8616100	3525	45.5	21.6	24.5	59	8	1475	1.5	1115	656	223.5	30	3900	7.7	2.4	191	15	0.16	0.77
21772	527675	8616049	10158	184.5	80.8	108.5	277.5	29.1	2757	5	2450	2060	599.5	40	2800	34.1	7.9	676	47.8	0.35	2.1
21773	527701	8616050	6442	144	60.5	95	235.5	22.1	2312	4	2215	1803	523.5	30	3500	27.2	6.3	549	36.8	0.32	1.52
21774	527725	8616050	6159	178.5	76.3	112.5	281	28.7	2842	5.5	2110	2258	644	40	4300	34.3	7.9	666	47.8	0.3	1.65
21775	527750	8616050	7671	162.5	70.3	80.5	213	25.9	2730	4	1590	1985	585	50	5400	28.1	6.9	601	40	0.23	1.75
21776	527776	8616050	9667	196.5	88	100.5	257	31.1	3687	5	1975	2482	763	50	6500	34.1	8.8	778	51.6	0.28	2.23
21777	527800	8616051	13735	249	101.6	147.5	378.5	38.5	5676	5	1355	3339	1032.5	50	3600	45.9	9.6	949	53.7	0.19	3.17
21779	527826	8616050	7814	128	53.6	78	193	20.2	3239	3.5	2095	1850	573	40	2500	23.2	5.4	507	30.1	0.3	1.78
21780	527850	8616050	6368	109.5	45.2	79	183.5	17	2963	3	1305	1900	571	50	1900	21.3	4.8	392	27.8	0.19	1.56
21797	527674	8616003	4841	63	27.5	39	91.5	9.8	1503	2	1215	865	273.5	30	2300	10.5	2.8	240	17.5	0.17	0.98
21798	527700	8616002	9394	218.5	88.5	130.5	328	34.5	3541	5	1820	2468	713	40	2900	37	8.9	903	52.2	0.26	2.21
21799	527725	8616002	8858	199	84.4	118.5	301	30.7	3766	5	1690	2674	795.5	20	4800	34.2	8.4	897	49.3	0.24	2.2
21800	527750	8616008	4596	87.5	37.9	48	124.5	13.8	1872	2.5	1280	9	344	20	3500	14.5	3.9	374	24.1	0.18	0.94

Table 5: Soil Samples which assayed > 0.75% TREO and Nb ₂ O ₅ >0.75%																					
Sample_ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sc	Sm	Tb	Tm	Y	Yb	TREO	Nb2O5
	(epsg:32733)	(epsg:32733)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	pct
21847	527790	8616400	9465	148.5	48.4	94.5	237	20.2	5760	2.5	8610	2436	855	70	3000	29.4	4.7	478	26	1.23	2.39
21848	527802	8616398	2794	113.5	39.5	102.5	252.5	15.5	1747	3	8785	1494	423	50	1600	24.8	4.2	390	26.6	1.26	0.93
21856	527869	8616400	2874	103	49.8	45	126.5	16.7	1690	5	1265	809	254.5	80	4900	16.5	6.2	456	41.1	0.18	0.8
21857	527880	8616400	3993	87.5	41.6	43.5	113.5	14.2	2000	4.5	1645	894	300	100	4800	15.2	5.5	375	38.1	0.24	0.97
21860	527898	8616402	5232	95	51.9	56	135	16	3013	6.5	1580	1433	470	110	16300	16.3	7	439	49.7	0.23	1.35
21861	527909	8616401	4225	103	50.2	55.5	147	16.8	2786	5	1450	1277	427.5	110	6700	18.1	6.2	468	39.9	0.21	1.18
21862	527920	8616400	4549	97	45.9	50.5	136.5	15.2	2703	5	1630	1218	407.5	100	5500	16.9	5.9	424	39.2	0.23	1.19
21863	527929	8616400	4157	85.5	42.6	41	111.5	13.8	2344	4.5	1605	1017	343.5	100	5500	14.1	5.6	377	36	0.23	1.05
21864	527940	8616400	3805	84	44.6	39.5	113.5	14.1	2249	5	1575	996	330	90	4800	14.6	5.7	397	40.7	0.23	1
21882	527710	8616450	10103	195	68.4	118.5	318.5	27.5	6517	3.5	6900	2680	917.5	130	3200	37.4	7.2	614	38.8	0.99	2.65
21883	527720	8616452	2467	182.5	63.8	135.5	347	25.2	1293	4	10810	1698	438.5	50	2400	36.7	6.4	767	37.4	1.55	0.95
21884	527730	8616452	3887	211.5	65.6	170.5	443	27.3	2557	4	15220	1902	549	50	1300	46.8	6.6	465	39.2	2.18	1.3
21885	527742	8616448	2365	175	55.2	170	408.5	22.6	1369	3.5	16820	1464	374	50	1000	39.4	6.1	487	35.7	2.41	0.89
21887	527752	8616448	4526	112	36	109.5	250	14.2	1521	2.5	9760	1468	408.5	50	1700	24.7	4	291	26.2	1.4	1.1
21888	527759	8616450	3512	87	32.2	91	201	11.6	1290	3	4100	1184	316.5	50	2200	19.5	3.8	244	25	0.59	0.88
21892	527670	8616500	7382	215.5	68.1	161	420.5	28.7	4677	4	19490	2256	727	80	600	45.8	6.7	708	39.2	2.79	2.06
21893	527679	8616502	9264	360	102.1	206.5	588.5	47.2	7067	4.5	17990	2971	981	80	1200	70.9	9	1087	49.1	2.57	2.8
21894	527690	8616501	3750	269	88.2	220	570.5	36.1	2303	5	16175	1788	494.5	60	700	56.6	9.1	1115	50.1	2.31	1.36
21895	527699	8616501	3005	288.5	101	236.5	618.5	40.4	1849	6	15400	1787	461	50	1000	60.1	10.2	1316	58.8	2.2	1.26
21896	527710	8616500	3634	147	45.9	171.5	377.5	18.3	1495	3.5	15325	1815	452	60	1100	34.6	5.2	366	35.1	2.19	1.09
21898	527720	8616500	4285	83	28.8	98.5	198	11	1221	2.5	14270	1035	293	50	1300	19	3.5	188	24.2	2.04	0.94
21901	527641	8616551	10900	166	54.9	136	318.5	21.7	6554	3.5	18410	2663	924.5	70	400	35.6	5.5	461	32.5	2.63	2.73
21902	527650	8616550	4163	154	44.7	155	347.5	19.3	2017	3.5	26485	1415	406	60	200	34.6	5	354	31.6	3.79	1.15
21903	527660	8616551	4069	242	74.9	244	583	31	2661	5	27195	1897	532.5	50	500	54.2	8.2	861	51.2	3.89	1.43
21904	527669	8616555	4326	170.5	53.6	195.5	436	21.9	2308	4	16740	2166	565	70	200	39.8	5.9	442	37.2	2.39	1.36
21906	527678	8616551	5345	122	39.9	136	292.5	16	1852	3	19530	1467	408	80	200	27.8	4.5	292	31.5	2.79	1.26
21907	527690	8616552	7145	116.5	42.6	106.5	231.5	15.9	2742	3.5	11040	1590	493	80	900	24.4	4.9	310	32.4	1.58	1.59
21908	527602	8616599	13394	130.5	43.8	90.5	231	17.7	7375	2.5	16375	2235	832	90	1100	26.7	4.4	386	23.8	2.34	3.02
21909	527610	8616599	11313	143	47.3	103.5	259.5	19.3	5536	2.5	18990	1962	697.5	80	1000	30.1	4.5	428	26.8	2.72	2.52

Table 5: Soil Samples which assayed > 0.75% TREO and Nb ₂ O ₅ >0.75%																					
Sample_ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sc	Sm	Tb	Tm	Y	Yb	TREO	Nb2O5
	(epsg:32733)	(epsg:32733)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	pct
21910	527618	8616600	2954	240	75.5	190.5	498.5	31.8	2028	4.5	20280	1412	395.5	50	1500	49.3	7.6	983	42.4	2.9	1.13
21911	527631	8616599	5272	311	97.6	232	611.5	40.3	3068	5.5	19145	2598	732.5	70	600	65.8	9.6	1205	54	2.74	1.79
21912	527642	8616600	4988	131.5	42.7	134.5	303	16.9	2054	3	17115	1721	478	60	200	29.7	4.7	312	30.5	2.45	1.28
21913	527651	8616599	7074	113	40.8	110.5	245	15.8	2579	3.5	12045	1736	512	80	600	24.3	4.8	316	30.4	1.72	1.59
21914	527659	8616600	8526	117.5	42.2	117.5	250.5	15.8	3669	3.5	10060	2180	682	80	600	25.2	4.8	305	31.5	1.44	1.97
21915	527669	8616600	10619	118	46.5	98.5	222.5	17.4	4756	4	5080	2308	766	80	1600	24.8	5.5	401	37.3	0.73	2.38
21917	527677	8616597	4604	83	39.2	56	131.5	13.1	2041	4	3535	1071	347.5	60	2900	15.5	5	330	33.3	0.51	1.08
21919	527590	8616649	9537	144	46	95	241.5	18.3	4225	3	19610	1777	610	90	800	29.1	4.5	394	28.1	2.81	2.1
21920	527600	8616651	7548	138	42.5	101	246.5	17.2	3373	2.5	20145	1588	520	60	900	28.3	4.3	366	26.2	2.88	1.72
21921	527611	8616651	5233	126.5	39.9	105	251	16.5	2269	2.5	18760	1291	400.5	60	900	26.8	4.3	328	27	2.68	1.26
21922	527620	8616650	5384	100	34	77.5	184	13.3	2092	2.5	14200	1181	368	60	900	20.7	3.8	290	23.2	2.03	1.21
21924	527630	8616650	6845	80	28.3	65.5	144	11	2518	2	10705	1281	413.5	70	700	16.4	3.4	239	21.5	1.53	1.43
21925	527641	8616651	7515	80	28	72	160.5	10.6	2873	2	9315	1502	478.5	60	300	17.2	3.1	222	20.5	1.33	1.6
21926	527650	8616650	9212	77	30.1	77	164.5	10.5	3617	2.5	6430	1811	585	80	500	16.8	3.5	240	21.8	0.92	1.95
21927	527661	8616651	6994	72	31	54	122	10.5	2492	3	5005	1191	400.5	80	1800	14.1	3.7	243	25.3	0.72	1.43
21936	527569	8616700	14281	126.5	42.7	103	247.5	17.1	9044	2.5	8285	2678	983	100	2200	27.9	4.6	362	27.7	1.19	3.4
21937	527581	8616700	8655	129	42.8	91.5	230	17.4	4379	3	8645	1876	632.5	90	800	26.3	4.7	371	27.3	1.24	2.02
21939	527591	8616701	7936	139	46.6	101.5	257	18.2	4018	3	7420	1807	601	80	1100	29	5.1	410	29.9	1.06	1.89
21940	527600	8616700	7887	129	44.4	93.5	224	16.9	4139	3	5600	1932	623.5	80	900	25.3	4.6	412	28	0.8	1.91
21941	527610	8616701	10249	100.5	36.4	76	179.5	13.9	5070	2.5	4990	2099	721	80	800	19.7	4	331	24.6	0.71	2.31
21942	527621	8616701	7811	69.5	26.5	57	130.5	10	2944	2	5095	1490	478.5	60	800	13.8	3	235	19.2	0.73	1.63
21951	527550	8616750	31234	209.5	74.2	178.5	453.5	30.4	25500	3.5	4550	6947	2641.5	200	3800	46.9	7	793	37.5	0.65	8.26
21952	527560	8616751	6676	207	67.1	127	339.5	27.5	3674	4	12670	2020	634.5	90	1100	40.3	6.6	650	38.8	1.81	1.79
21953	527570	8616752	2398	261	79.7	199	514.5	33.8	1309	4.5	16110	1405	343.5	90	1100	55.3	7.6	778	44.5	2.3	0.95
21954	527579	8616751	4121	145.5	54.7	102.5	259.5	20.6	2563	4	6060	1457	444	80	2300	29.1	5.8	549	34.8	0.87	1.21
21955	527590	8616752	9613	130	44.8	120.5	268.5	17.8	6247	3	4915	2966	973.5	100	1300	28.2	4.9	416	31.9	0.7	2.56
21956	527600	8616750	6976	109.5	41	92	207.5	15.2	3789	3.5	6095	1750	572	90	1200	22.6	4.7	366	31.1	0.87	1.72
21957	527540	8616800	23740	286	112.4	195	534	43.5	16560	5	6235	5556	2115.5	130	2100	54.4	10.3	1062	52.2	0.89	6.13
21958	527551	8616801	15028	150.5	51.1	123.5	296	20.3	9711	3	14175	2978	1132	100	2100	32.1	4.9	448	28.9	2.03	3.66

Table 5: Soil Samples which assayed > 0.75% TREO and Nb₂O₅ >0.75%

Sample_ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sc	Sm	Tb	Tm	Y	Yb	TREO	Nb2O5
	(epsg:32733)	(epsg:32733)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	pct
21960	527561	8616800	3495	216.5	65.8	201.5	481.5	27.6	2318	4	17100	1613	446.5	80	1100	47.8	6.5	635	39.6	2.45	1.22
21961	527570	8616800	3609	189.5	65.3	164.5	410.5	26	3035	4	9305	1986	570	70	1600	39.9	6.8	692	39.9	1.33	1.36
21962	527580	8616800	3227	229	81	184.5	457	31.5	3548	5.5	6235	2381	696.5	80	1400	47.4	8.4	924	51.1	0.89	1.49
21963	527591	8616800	4011	98	42.8	69	169.5	15.1	2216	3.5	5805	1130	356.5	80	2100	19.4	5	394	32.2	0.83	1.06
21964	527517	8616850	5067	53.5	20.6	54	122.5	7.9	3338	1.5	1185	1622	548.5	50	1300	11.5	2.4	232	13.3	0.17	1.36
21965	527529	8616850	24667	139	37.7	194	459.5	17	19553	1.5	1070	7064	2523	80	2900	40.4	3.4	420	20.5	0.15	6.71
21967	527542	8616852	13204	115.5	45.3	131.5	291.5	16.5	7247	3.5	3265	3792	1273	80	1200	26.5	5.2	513	34.1	0.47	3.27
21968	527550	8616851	4849	132	65.5	135.5	276.5	21.5	3489	5.5	1170	2203	730	50	800	25.3	7.8	718	49.7	0.17	1.59
21969	527559	8616854	13118	336.5	115.9	220.5	585.5	47.5	7317	6	6130	3898	1370.5	130	1900	65.9	10.7	1252	59	0.88	3.5
21970	527570	8616851	3052	225	75.1	178	437	30.6	1470	4.5	12800	1529	387.5	80	1900	46	7.5	741	46.2	1.83	1.05
21971	527581	8616848	6824	229.5	78.5	181.5	419	29.7	3535	6.5	5470	3825	1068	220	5900	46.2	9.7	670	62.3	0.78	2.12
21972	527589	8616850	4444	111.5	42.8	79.5	199.5	16.2	2011	3.5	6990	1362	399.5	120	1900	20.8	5	353	32.4	1	1.13
21980	527519	8616899	7841	60	26	61.5	129	9.2	3857	2	1410	1735	601	70	1100	12.7	3	274	19.2	0.2	1.79
21981	527530	8616898	12890	121.5	49.3	120.5	252	17.6	6551	3.5	1585	3500	1196	90	600	25.3	5.8	485	34.6	0.23	3.1
21982	527542	8616899	10993	132.5	59.1	163.5	330	20.5	5632	4.5	2270	3284	1094	80	1100	28.9	7.1	632	41.6	0.32	2.78
21983	527549	8616900	12145	315.5	131.2	208	487	50.1	6663	7.5	3755	3151	1112.5	140	1500	54.3	13.3	1397	72	0.54	3.19
21984	527559	8616899	14113	256	98.7	144.5	385	37.8	7976	6.5	3250	3973	1390	150	1700	47.3	10.5	1114	63.3	0.46	3.63
21993	527518	8616950	6578	58.5	22.4	52.5	110	9.5	3820	2	1340	1909	629	80	1500	14.1	3	244	17.1	0.19	1.64
21994	527529	8616952	7153	65	27.5	69	137.5	11.1	3262	2.5	1350	2729	843	80	1800	16.8	3.7	298	21.4	0.19	1.8
21995	527540	8616951	9139	96	39	98.5	196	16	4071	3.5	1810	2652	832.5	90	1000	24.1	5.6	411	31	0.26	2.17
21996	527550	8616953	7374	143.5	49.1	131	272.5	22.8	4679	3.5	2030	3608	992	90	2100	35.9	5.9	455	30.6	0.29	2.19
21998	527560	8616950	4950	115	43.1	87.5	169.5	18.6	2113	4.5	2480	1692	492.5	160	1600	25.9	5.8	404	34.4	0.35	1.26
22006	527530	8616999	6050	90	37.3	54.5	117.5	15.6	2101	3.5	2205	1193	384.5	100	1000	19.2	5	407	27.6	0.32	1.29
22007	527540	8617002	5256	92.5	36	51	123.5	15.1	1630	3.5	2420	1006	329	100	1400	20.6	4.8	372	26.9	0.35	1.1
22009	527550	8616999	5197	75	28.6	50	111	11.9	1954	2.5	1595	1178	378	90	1200	17.2	4	305	21.1	0.23	1.15
22010	527560	8617000	5457	106	38.9	62.5	146.5	17.3	2431	18	2080	1437	469	100	1600	23.5	5.2	438	28.8	0.3	1.31
22011	527570	8617000	4910	121.5	46	67	152	20.3	2390	4	1755	1458	461.5	100	2100	25.1	5.9	513	31.9	0.25	1.26
22012	527581	8617001	5111	109	41.7	73.5	156.5	18.4	2621	3.5	1700	1544	483	110	3800	24	5.3	460	29	0.24	1.32
22013	527591	8617000	3966	92.5	37.6	55	126.5	15.5	1918	3	1675	1053	328.5	100	2100	19.9	4.9	419	26.5	0.24	0.99

Table 5: Soil Samples which assayed > 0.75% TREO and Nb₂O₅ >0.75%

Sample_ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sc	Sm	Tb	Tm	Y	Yb	TREO	Nb2O5
	(epsg:32733)	(epsg:32733)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	pct
22021	527558	8617050	5396	92.5	37.5	47	112	15.8	2424	3.5	1550	1115	367.5	110	1300	18.7	4.9	439	26	0.22	1.24
22022	527567	8617050	4954	80.5	30.8	53.5	115	13.7	2894	2.5	2700	1741	555.5	150	2000	17.7	3.9	388	20.8	0.39	1.33
22024	527590	8617052	7236	98	35.5	78	167.5	15.7	4318	3	1530	1934	640	120	1000	23.6	4.7	371	25.6	0.22	1.83
22025	527600	8617051	8926	147.5	53.7	101.5	219	24.2	5050	4.5	2535	2080	693	140	1000	32.8	6.7	606	37.2	0.36	2.2
22027	527610	8617052	6463	140.5	51.3	80.5	180.5	22.7	3334	4	2360	1489	492.5	110	1100	29.9	6.3	584	34.9	0.34	1.59
22035	527599	8617100	5432	60.5	21.8	51.5	114.5	9.5	2932	2	1090	1308	439.5	90	1200	14.8	2.8	263	16.1	0.16	1.31
22037	527610	8617098	9446	77.5	24.9	81.5	165.5	11.7	5574	2	1345	2202	753	120	1000	20.5	3.4	294	18.8	0.19	2.28
22038	527622	8617100	9074	63	20.9	64.5	133.5	9.8	4721	10.5	1330	1929	675	110	1200	17.1	2.8	236	15.3	0.19	2.07
22039	527630	8617100	8598	85	25.8	74	165.5	12.4	5487	9	1160	2490	854.5	100	1100	22.2	3.3	303	18.4	0.17	2.21
22040	527640	8617100	6133	71.5	24.9	61	134	11	3924	5	1460	1690	578	110	2200	17.9	3.2	271	17.8	0.21	1.58
22041	527650	8617100	6726	76.5	27	59	135.5	12.2	4298	7	1500	1688	577.5	110	1800	18.5	3.4	293	19.5	0.21	1.7
22042	527660	8617105	6447	74.5	31.2	52.5	119.5	12.4	3368	3	1575	1331	460.5	120	2500	17.7	4.4	322	25.1	0.23	1.5
22064	527630	8617200	6192	77	25	49.5	124.5	11.4	3256	2.5	925	1355	459	100	1000	18.9	3.3	259	18.8	0.13	1.45
22065	527640	8617200	9414	72	25.5	59	135	11.1	5557	3	1310	1881	665.5	130	1400	18.2	3.9	260	21.5	0.19	2.21
22066	527650	8617200	13801	75	28.4	64	144	12.1	7861	2.5	930	2488	926	120	1500	20.4	3.9	286	23.4	0.13	3.13
22067	527660	8617199	16092	94	30.1	88	205	13.9	14502	2.5	1060	3674	1434	90	2500	27.2	3.9	362	21.3	0.15	4.42
22068	527670	8617199	8968	59	22.7	52.5	111	9.2	6098	2	960	1902	698	80	2500	15.1	3.1	228	17.6	0.14	2.21
22118	527702	8617274	22682	119	49	89.5	215.5	20.6	15341	4.5	1465	3817	1498.5	130	3700	29.6	6.2	571	36.1	0.21	5.39
22119	527710	8617275	28290	130	54.9	106.5	251.5	22.5	18952	5	1410	4774	1898.5	120	3600	33.8	6.9	568	38	0.2	6.68
22121	527723	8617276	30400	139	54.1	116.5	270.5	22.6	20732	5	1300	5172	2037	120	4200	36.7	7.1	586	39.6	0.19	7.22
22122	527730	8617275	51972	168	65.4	150.5	381.5	28.4	42514	6	985	9152	3875	130	7200	49.3	8.5	682	48.2	0.14	13.18
22123	527739	8617273	32984	135	50.5	124	296	22.3	24836	4.5	1040	5898	2361.5	140	5200	38.1	6.8	581	36.4	0.15	8.15
22125	527750	8617276	31251	135.5	50.8	118.5	277	22.3	23599	4.5	1095	5432	2150.5	130	4100	36.3	6.6	547	37.3	0.16	7.71
22126	527760	8617272	28011	180	72.2	130	309.5	30.2	22124	6.5	1660	5364	2091	180	3100	44.5	9.5	749	50.5	0.24	7.16
22127	527770	8617274	26184	147.5	56.7	116	285.5	24	20413	5	1335	5073	1996	160	2900	39.7	7.6	579	39.2	0.19	6.65
22128	527779	8617275	25463	135.5	50.1	112.5	262.5	22.3	19498	4.5	1385	4737	1855.5	150	3700	35.5	6.8	484	36.5	0.2	6.38
22129	527791	8617275	25007	126.5	48.1	104	256	20.3	18937	4	1470	4715	1829	150	3600	34.7	6.6	477	34.1	0.21	6.25
22134	527838	8617275	12313	78.5	30.1	70.5	159	13.1	9135	2.5	1050	2718	1011.5	80	6000	20.7	4	319	21.9	0.15	3.14
22135	527850	8617275	21083	104.5	41.2	89	205	17.5	15009	3.5	1100	3863	1504	100	4600	28.1	5.2	432	28.2	0.16	5.14

Table 5: Soil Samples which assayed > 0.75% TREO and Nb₂O₅ >0.75%

Sample_ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sc	Sm	Tb	Tm	Y	Yb	TREO	Nb2O5
	(epsg:32733)	(epsg:32733)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	pct
22136	527860	8617275	21342	93.5	36.2	79	189	15.9	14640	3	1185	3758	1429	90	4500	25.7	4.7	376	25.2	0.17	5.09
22137	527870	8617275	23490	101	40.4	91	209.5	17.5	16125	3	1040	4067	1593.5	90	4500	28.1	5.2	420	27.4	0.15	5.6
22138	527873	8617273	22943	119	49.6	98	220	20.5	17186	3.5	1400	4300	1647.5	100	4500	30.5	6.3	515	32.2	0.2	5.71
22140	527890	8617276	31838	108	37.9	93	221.5	17.7	22576	3	1740	4857	1964.5	60	4700	29.5	4.7	419	25.1	0.25	7.53
22141	527900	8617278	32791	132	48.4	102.5	257	22.5	26198	3.5	1990	5452	2160.5	80	5400	36.3	6.1	517	32.2	0.28	8.19
22142	527911	8617274	35970	114.5	41.5	97.5	237.5	18.7	28568	3	2060	5739	2307.5	70	4900	32.5	5.2	450	27.7	0.29	8.89
22143	527920	8617276	24096	195.5	69.4	142.5	342	31.8	17372	5	3835	5520	1964	160	9200	48.3	8.8	742	42.6	0.55	6.14
22144	527930	8617274	20891	138.5	50.2	113.5	274	22.3	12860	3.5	4180	4629	1585.5	140	6600	37.1	6.2	549	31.7	0.6	5.01
22145	527940	8617271	15592	134	46.1	119	287.5	21	9624	3.5	3805	4388	1422.5	100	7900	37.3	5.6	534	29.3	0.54	3.93
22146	527951	8617273	14192	134	48	119.5	281.5	21.2	8676	3.5	3260	4291	1381.5	120	8400	37.4	5.6	527	30.6	0.47	3.63
22148	527958	8617276	13912	126	42.6	103.5	255	19.8	8714	3.5	2905	3938	1249	90	6200	33	5.4	485	27.2	0.42	3.52
22149	527970	8617275	6153	55.5	19.7	43.5	102	8.8	3559	1.5	1375	1506	492	50	2300	13.9	2.5	201	14.7	0.2	1.48
22150	527981	8617275	7765	62.5	23.4	48.5	111	9.5	3921	2	1560	1655	550	60	2800	15.4	2.9	221	16.7	0.22	1.76
22151	527990	8617274	9140	67	24.4	54	129.5	10.7	5323	2	1680	1958	654	60	3000	18	3.3	260	17.3	0.24	2.15
22152	528000	8617276	10763	65	25.8	49.5	119.5	11	6188	2.5	1740	1918	688	70	3000	17	3.4	257	17.9	0.25	2.45
22153	528010	8617275	10562	58	21.8	44	103	9.5	5458	2	1555	1702	617	60	2800	15	3	222	16.5	0.22	2.29
22154	528019	8617277	10392	62.5	24.7	48.5	118	10.5	6870	2.5	1595	1963	706.5	60	3100	16.1	3.3	242	18.6	0.23	2.49
22155	528030	8617275	11675	65.5	25.5	46.5	113.5	10.9	6490	2	1630	1894	689	70	2900	16.4	3.5	258	18.8	0.23	2.59
22196	527960	8617225	3105	93	46.7	47.5	122	17.6	2158	5.5	1420	990	314.5	120	2100	19.4	6.7	487	39.3	0.2	0.91
22197	527970	8617224	2983	97.5	47.5	41	110.5	18.3	2100	5.5	1300	823	271	110	2000	18.9	6.7	509	40.6	0.19	0.87
22198	527980	8617226	2556	112	54.2	44.5	124	20.4	1958	5.5	1390	842	269	110	1600	21.7	7.4	565	40.6	0.2	0.81
22200	527990	8617226	3433	112	52.5	45.5	126.5	20.7	2041	5	1430	925	293	110	1500	21.8	6.9	560	39.1	0.2	0.94
22201	527999	8617227	4042	116	51.6	47.5	133	20.4	2514	5	1485	1039	340	110	1800	23.2	7	536	38.6	0.21	1.09
22202	528010	8617228	5249	107.5	47.9	49	129	19.3	2824	4.5	1595	1147	377.5	120	2100	21.9	6.5	464	33.9	0.23	1.28
22203	528020	8617225	4733	102.5	38.9	52.5	126.5	18.2	2538	3.5	1565	1256	389.5	100	3300	20.6	6	378	28.3	0.22	1.19
22204	528030	8617228	5931	93.5	35.9	59	138.5	15.2	3150	3	1575	1593	501.5	100	7500	21.1	4.7	371	26.1	0.23	1.46
22217	527950	8617174	5915	67.5	33.3	35.5	87	12.5	3577	4.5	1210	1100	405.5	100	1600	13.9	5.3	305	32.2	0.17	1.41
22218	527960	8617174	5390	61	31.4	31.5	81.5	11.4	3079	4.5	1180	970	350.5	90	1500	13.5	4.8	290	30	0.17	1.26
22219	527969	8617175	3844	76	41.3	35.5	94	14.3	2995	6	1370	975	349	100	1700	15.4	6.4	406	41.4	0.2	1.08

Table 5: Soil Samples which assayed > 0.75% TREO and Nb₂O₅ >0.75%

Sample_ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sc	Sm	Tb	Tm	Y	Yb	TREO	Nb2O5
	(epsg:32733)	(epsg:32733)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	pct
22220	527980	8617175	3027	88.5	49.1	34.5	95.5	17.2	2227	7	1305	786	272.5	120	1300	16.9	7.9	500	47.6	0.19	0.88
22221	527990	8617175	4283	177.5	76.2	85.5	231	30.6	3143	7	1260	1886	586	170	700	36.4	10.2	813	54.1	0.18	1.4
22222	528000	8617174	3363	100.5	52.4	39.5	109.5	19	1995	6.5	1175	821	269	140	700	18.8	7.9	523	46.8	0.17	0.9
22223	528010	8617174	3816	164	78.3	59.5	173	30.7	2956	8.5	1125	1139	379	170	700	31	10.7	876	58.2	0.16	1.2
22224	528020	8617176	4238	137	70.6	50	141	26.2	2538	8.5	1235	963	321.5	170	700	25.7	10.2	721	62.7	0.18	1.14
22225	528030	8617175	3771	105.5	56.7	38	109	20.3	2178	7	1315	797	271	140	800	19.6	8.7	571	50.3	0.19	0.98
22230	528247	8617050	2839	80.5	40.5	33.5	93	15.3	1842	5.5	815	723	234.5	120	1600	15.7	6.1	448	39.6	0.12	0.78
22232	528269	8617050	2457	91	49.2	37	105	17.9	1751	6.5	1055	759	242	120	2000	17.8	7.2	531	43.9	0.15	0.75
22234	528279	8617051	2667	96.5	46.4	37	105	17.4	1902	5.5	1255	776	250	120	1700	18.4	6.7	521	40.4	0.18	0.79
22235	528290	8617050	3889	79.5	40.4	34.5	94	15.3	2301	5	1425	845	287.5	130	1500	15.7	5.9	428	36.2	0.2	0.99
22249	528190	8616999	9784	40	20.4	24	58	7.3	3325	2.5	1320	897	337.5	80	900	9.1	3.1	174	18.4	0.19	1.79
22250	528199	8617000	10632	39.5	17.8	25.5	58.5	6.9	3462	2.5	1325	951	356.5	80	1000	9.2	2.9	169	17.6	0.19	1.92
22251	528210	8617000	10392	39	18.2	25.5	57.5	6.9	3258	2.5	1350	941	351.5	80	1000	9.2	2.9	161	17.5	0.19	1.86
22252	528220	8617001	9860	38.5	18.2	24	55.5	7	2974	2.5	1380	866	324	70	1100	8.9	2.8	162	17.7	0.2	1.75
22254	528229	8617000	8491	40	18.8	23.5	57	7	2978	3	1370	847	311	70	1100	9	3	180	19.6	0.2	1.58
22255	528239	8617000	7702	42.5	22.1	23	57.5	7.8	2857	3	1425	806	295.5	80	1300	9.4	3.5	202	22	0.2	1.47
22256	528249	8617000	5922	50.5	25.8	25	64	9.4	2478	4	1090	787	281.5	80	1300	10.7	4.4	247	27.5	0.16	1.21
22257	528260	8617000	4428	54	29.9	23	60.5	10.3	1981	4.5	1275	648	232.5	80	1300	10.6	4.8	281	30.1	0.18	0.95
22258	528270	8617000	4270	55.5	29.9	23	59.5	10.5	1826	5	1225	606	211.5	90	1300	10.6	5	285	31.6	0.18	0.91
22259	528279	8617000	3798	64	31.1	27.5	74.5	12.2	2148	5	1115	714	249.5	90	1100	12.9	5.2	336	32.5	0.16	0.92
22260	528291	8617000	2324	121.5	54	50	147	21.7	2155	7	900	862	281.5	100	1000	25.3	8.1	686	46.6	0.13	0.83
22261	528300	8617000	4042	54	26.1	27.5	72.5	10.1	2529	3.5	1205	805	280	70	1700	11.3	4	283	25.6	0.17	1
22262	528311	8617000	6892	72.5	33.5	37	99	12.9	4092	4.5	1415	1215	429.5	100	1900	15.3	5.2	364	31.1	0.2	1.62
22264	528320	8617000	4989	71.5	32.8	36.5	92.5	13.2	3670	4	1255	1089	388.5	70	1700	15.3	4.8	374	28.4	0.18	1.31
22265	528330	8617000	7694	67.5	29	41.5	106.5	11.9	5670	3.5	1625	1577	582	70	2200	15.7	4.1	333	25.2	0.23	1.96
22266	528340	8617001	16134	68.5	23.8	60	144	11	11352	2	2095	2635	999.5	60	3600	19	3.2	256	16.2	0.3	3.84
22267	528350	8617000	12595	56	21.7	50	115.5	9.4	8230	2	1580	2017	778.5	60	1400	15.1	2.6	230	14.8	0.23	2.93
22292	528370	8616925	15788	63.5	22.2	57	137	9.8	10317	1.5	1555	2511	969	50	1800	17.6	2.8	241	15.2	0.22	3.65
22293	528380	8616925	16925	62	21.2	60.5	141.5	9.5	12148	1.5	1480	2802	1064.5	50	1600	18.2	2.7	240	13.5	0.21	4.06

Table 5: Soil Samples which assayed > 0.75% TREO and Nb₂O₅ >0.75%

Sample_ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sc	Sm	Tb	Tm	Y	Yb	TREO	Nb2O5
	(epsg:32733)	(epsg:32733)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	pct
22294	528390	8616925	16923	64.5	21.4	62	148	9.9	12204	1.5	1550	2816	1110	50	1600	18.4	2.6	249	14.2	0.22	4.07
22295	528400	8616925	17045	68.5	23.7	65	153.5	10.5	13015	1.5	1615	3028	1167.5	50	1700	20	2.8	256	15.4	0.23	4.22
22296	528410	8616925	20211	69.5	23.2	67.5	161.5	10.5	16868	2	1970	3500	1391.5	50	2500	20.6	2.8	257	15	0.28	5.15
22298	528420	8616925	15743	73	23.7	69.5	161	10.9	12494	1.5	2875	3033	1115	60	3300	21.1	3	255	16.1	0.41	4
22299	528430	8616925	8545	64	22.3	57.5	133	10.2	5790	2	3160	2094	688.5	70	1100	17.2	2.8	246	16.4	0.45	2.15
22300	528440	8616925	8141	60	21.3	51	123	9.4	5853	2	2130	1945	655	70	1100	16	2.7	245	15.9	0.3	2.08
22301	528450	8616925	6660	46.5	17.7	38.5	94.5	7.6	5374	2	1065	1514	549.5	60	1100	12.6	2.3	198	13.7	0.15	1.76
22303	528460	8616925	2791	30.5	12.2	21.5	54.5	5.2	2369	1.5	540	709	246.5	30	700	7.4	1.6	140	9.3	0.08	0.78
22325	528390	8616850	8365	55.5	25.9	33	78.5	10.3	5377	3	1180	1207	457	80	2900	12.1	3.8	263	22.1	0.17	1.93
22326	528400	8616850	8525	62	29.1	36.5	88.5	11.3	5780	3.5	1250	1355	509	80	3000	13.5	4.4	304	26.1	0.18	2.03
22327	528410	8616850	9961	64	30.2	43.5	100	11.6	6772	3.5	850	1630	615	80	4100	15	4.5	310	25.5	0.12	2.38
22328	528420	8616850	17646	71.5	28	60	139	12	11430	2.5	1520	2722	1051.5	70	1900	19.5	3.7	301	20.9	0.22	4.06
22329	528430	8616851	20190	80	26.7	79.5	183.5	12.5	15053	2	1500	3526	1390.5	70	1800	23.3	3.2	300	17	0.21	4.95
22330	528440	8616850	26559	94	29.8	85.5	206.5	14	22384	2	1745	4262	1699	70	2700	26.6	3.6	352	17.4	0.25	6.73
22331	528450	8616850	27117	94	28.6	94	218.5	14.1	23202	2	2180	4562	1820	70	2300	28.6	3.4	320	16.5	0.31	6.95
22333	528460	8616850	44651	100	29.1	111.5	266	14.9	41609	1.5	2565	6691	2876.5	60	3700	33.2	3.4	340	17.2	0.37	11.66
22334	528468	8616849	11315	128.5	38.2	118.5	275.5	18.6	7202	2.5	4015	3796	1141	80	2100	35.4	4.1	451	21.6	0.57	3
22335	528480	8616850	7260	47	15.6	42	95.5	7.1	4919	1.5	940	1593	540.5	50	1400	12.9	2.1	158	11.4	0.13	1.79
22359	528410	8616775	7307	66.5	29.8	50	107.5	11.6	5688	3.5	915	1577	584	90	2600	16.1	4.2	314	25.6	0.13	1.92
22360	528420	8616775	7993	47	20.3	41	88.5	8.2	5847	2.5	890	1548	586	70	2900	12.4	2.9	217	16.5	0.13	2
22361	528430	8616775	11975	46.5	17.4	49.5	102.5	7.6	8544	1.5	525	2184	862	50	1600	13.4	2.2	195	12.7	0.08	2.91
22362	528440	8616775	15063	49.5	19.3	53	114	8	11121	1.5	400	2718	1111.5	60	2900	14.4	2.4	216	13.6	0.06	3.69
22363	528450	8616775	10077	54	19.3	50.5	113.5	8.5	7339	1.5	920	2102	776	50	2000	14.8	2.5	208	13.5	0.13	2.52
22364	528460	8616775	11306	65	23.3	60.5	136	10.6	9111	2	1025	2451	884.5	60	2100	18.1	3	263	16	0.15	2.95
22366	528470	8616775	9600	56.5	19.6	49.5	117	8.6	7842	1.5	1100	2036	735	50	1600	14.9	2.4	219	13.3	0.16	2.51
22367	528480	8616775	7725	49	16.1	43.5	102	7.2	5789	1.5	1195	1734	609	50	1300	13.2	1.9	164	10.9	0.17	1.98
22368	528490	8616776	8265	55.5	18.5	51.5	121.5	8.3	6020	1.5	1360	2052	703.5	50	1500	15.3	2.2	193	12.1	0.19	2.13
22369	528500	8616775	5738	43	15.1	39.5	87.5	6.8	3850	1.5	1180	1411	477.5	40	1800	11.7	1.9	158	10.4	0.17	1.44
22390	528410	8616725	7200	62	29.8	43.5	93.5	11.1	4610	3.5	1255	1440	518.5	70	4900	13.6	4.2	295	24.3	0.18	1.75

Table 5: Soil Samples which assayed > 0.75% TREO and Nb₂O₅ >0.75%

Sample_ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sc	Sm	Tb	Tm	Y	Yb	TREO	Nb2O5
	(epsg:32733)	(epsg:32733)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	pct
22392	528419	8616725	11732	97	35.9	97	198	15.1	8966	2.5	1895	3618	1225	110	8000	25.9	4.7	361	26	0.27	3.22
22393	528430	8616725	14239	74	29.1	76	158	12.5	10423	2.5	1215	3037	1152	60	6100	21	3.8	319	20.9	0.17	3.59
22394	528440	8616726	12105	77	28.6	67.5	159	12.7	8374	2.5	1795	2773	998	70	7900	20.7	3.9	342	19.3	0.26	3.04
22395	528450	8616725	9944	66	25.5	65.5	146.5	10.8	6692	2	1535	2510	854	70	7000	18.4	3.4	301	17.6	0.22	2.52
22396	528460	8616725	12796	62	23.7	57	129	10.2	9180	2	1495	2457	888.5	70	3000	17.1	2.9	265	16	0.21	3.14
22397	528470	8616725	10178	55.5	21.5	46	108	9.2	8270	2	1190	1902	704.5	60	3400	14.7	2.8	240	15.4	0.17	2.61
22399	528480	8616725	4566	37	14.6	28.5	64	6.2	3120	1.5	820	990	341	30	3100	9.3	1.9	161	10.4	0.12	1.14
22400	528490	8616725	3901	42.5	15.4	30.5	72.5	7	2861	1.5	895	1030	346	30	3200	10.1	2	175	10.8	0.13	1.03
22448	528140	8616476	2605	125.5	53.8	57.5	164	22.2	3027	6	1355	1177	378.5	90	1200	26.3	7.4	739	42.8	0.19	1.03
22451	528160	8616476	3025	84	46.7	33.5	92.5	16.6	1729	6	1410	685	219.5	60	1700	15.7	7.1	493	41.2	0.2	0.8
22458	528081	8616450	2121	267.5	88.5	142	396.5	40.9	6670	7.5	1210	2752	860.5	80	1100	60.9	10.9	1475	58.8	0.17	1.83

Appendix 3: Selected Rock Geochemistry Results

Table 6: Selected Rock Chip Analyses TREO > 0.75% or Nb ₂ O ₅ >1.0%																					
Sample ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sc	Sm	Tb	Tm	Y	Yb	Nb2O5	TREO
	(epsg:32733)	(epsg:32733)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	pct
21525	528288	8616998	6668	70.5	15.6	120	247	8.7	5025	1		3625	993.5		540	20.9	1.5	189	5.5	0	2.09
21527	528475	8616760	2821	108.5	55.8	30.5	110	20.9	2062	6.5		671	234		97	18	8.3	628	50	0	0.83
21528	527761	8616070	4309	16.5	7	14.5	33.5	2.8	3345	0		857	329		76	3.3	1	77	4.5	0	1.09
22471	527761	8616068	3069	94	32.3	52.5	130	15.6	1386	1.5	515	1085	300	10	173.5	20.1	3.4	398	15.5	0.07	0.82
22472	527747	8616061	5659	149.5	52.1	84	219	24.4	2928	3	700	1985	560	20	282.5	32.1	5.8	626	27.1	0.1	1.52
22473	527736	8616061	3171	115.5	45.2	83	197	18.9	1556	5.5	725	1306	339.5	30	266	27	6.3	518	38.2	0.1	0.92
22474	527729	8616057	4299	127.5	42.6	94	229.5	19.9	2176	2.5	365	1785	480.5	20	315	29.7	4.8	521	24.2	0.05	1.22
22475	527714	8616145	4088	117	46.3	95.5	222.5	19	2053	3.5	175	1854	464.5	30	368	28	6	593	31.7	0.03	1.2
22476	527724	8616051	2542	106.5	46.7	55	139.5	19.8	1244	4	450	1018	284	40	175	22.2	5.8	551	30.7	0.06	0.75
22478	527737	8616048	2728	66	28.4	42.5	111.5	11.7	1475	1.5	725	1044	298	10	158	13.9	3.1	294	15	0.1	0.76
22482	527765	8616058	3546	67.5	33.2	41	106.5	12.7	1979	2.5	455	1255	376	20	156.5	13.3	4.2	332	22	0.07	0.95
22484	527771	8616051	3327	62	26.1	41.5	107.5	10.7	1876	2.5	185	1188	356.5	20	154.5	13.1	3.2	262	16.8	0.03	0.89
22485	527706	8616146	2476	79	39.1	60	137.5	14.7	1396	3.5	165	1091	280.5	20	228	15.9	5.1	421	27.7	0.02	0.75
22487	527739	8616086	6027	184	74.1	112	305.5	31.9	3527	4.5	215	2179	634	20	380.5	37.1	7.9	812	39.3	0.03	1.72
22488	527732	8616078	4297	186	79.6	131.5	337	31.8	2486	5	485	1993	524	10	451.5	39.2	9.1	942	44.2	0.07	1.39
22489	527729	8616080	3279	149	65.4	102	255.5	26.4	1783	5	785	1542	402.5	20	372.5	30.7	7.5	865	40.1	0.11	1.07
22490	527728	8616108	4242	132	54.8	106.5	272.5	22.3	2311	4	180	1847	489.5	30	385	29	6.1	637	31.3	0.03	1.27
22492	527730	8616042	3734	130.5	64.8	64.5	167.5	24.8	2036	4	215	1472	418	30	224	24	7.4	611	34.6	0.03	1.08
22497	527565	8616827	303	63.5	29	37	89.5	11.9	123	2.5	19950	138	29.5	40	107.5	12.3	3.6	354	20.3	2.85	0.16
22498	527562	8616982	8099	29	14.8	19	42	4.9	1516	1.5	1870	808	286	70	87	5.8	2	121	12.4	0.27	1.34
22506	527588	8616728	3377	114	37.5	107	246	16.3	2496	3.5	7215	1376	391	90	355	27.4	4.6	312	28.1	1.03	1.06
22507	527586	8616725	1396	136.5	40.3	115.5	289.5	19.4	673	2	9520	918	207.5	50	326	32.7	4.4	520	21	1.36	0.56
22508	527576	8616757	553	101	33.3	91.5	212	14.8	236	2.5	16285	339	69	50	236.5	23.2	3.6	349	19.6	2.33	0.27
22509	527604	8616687	1964	105.5	36.9	72.5	193	16.6	1249	2.5	9060	801	230.5	70	210.5	23	3.9	369	21.1	1.3	0.63
22510	527608	8616647	2201	108.5	34	90	225	15.1	1529	2.5	7610	922	262	70	259.5	25.2	4	309	20.2	1.09	0.72
22511	527617	8616633	732	65	24.2	72.5	158.5	10	330	2	8835	264	65	50	203	15.6	2.9	251	16.6	1.26	0.26
22512	527649	8616584	2320	103.5	40.4	83.5	208	16.8	1342	3	8960	913	256.5	50	246.5	22.8	4.7	491	26.1	1.28	0.73
22513	527673	8616537	368	106.5	46.9	51.5	153.5	19.2	189	3.5	17980	176	44	30	109.5	20.2	5.5	494	29	2.57	0.22

Table 6: Selected Rock Chip Analyses TREO > 0.75% or Nb₂O₅ >1.0%

Sample ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sc	Sm	Tb	Tm	Y	Yb	Nb2O5	TREO
	(epsg:32733)	(epsg:32733)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	pct
22515	527720	8617271	11418	57	25.3	44	110	9.7	10243	2	725	2117	845	50	187	13.1	3	284	17.5	0.1	3.04
22516	527732	8617279	4084	64.5	28.8	34.5	93	11.2	3187	3	750	1036	358	80	122	13.1	3.4	290	19.2	0.11	1.12
22517	527756	8617274	9487	41.5	17.3	39	95	7.1	7817	1.5	325	1928	735	30	174.5	10.6	1.9	176	10.4	0.05	2.46
22518	527765	8617269	6855	49.5	22.8	36.5	92.5	9.3	5656	2	485	1454	548	30	156	11	2.8	228	15	0.07	1.82
22519	527848	8617301	6557	31.5	10.3	37	87.5	4.4	4871	0.5	275	1604	577	30	165	8.7	1.2	123	7.2	0.04	1.69
22520	527855	8617291	10989	28	10.9	33	79	4.7	10105	1	290	1771	770	10	151.5	8.2	1.3	131	6.8	0.04	2.89
22521	527857	8617277	6377	27	10.4	25	62	4.5	5317	1	85	1257	500.5	30	118.5	6.9	1.2	113	6.4	0.01	1.66
22523	527884	8617281	17884	49	15.9	50.5	125	7.2	17676	1	705	2979	1266	20	244	13.8	1.8	181	9.3	0.1	4.85
22524	527896	8617267	17258	40.5	14.1	36.5	95	6	17044	1	715	2598	1196	20	186	10.4	1.7	174	8.6	0.1	4.63
22526	528348	8616988	10523	28.5	9.8	29.5	71	4.3	10204	1	165	1717	749	20	140.5	7.6	1.3	112	5.7	0.02	2.83
22527	528369	8616962	9091	26	9.4	25	59	4.1	8285	0.5	415	1502	668	20	122	6.4	1.1	111	5.8	0.06	2.39
22530	528409	8616923	16620	30	10.6	39.5	86.5	4.8	16194	0.5	550	2567	1177.5	10	195.5	9.4	1.2	120	5.8	0.08	4.44
22531	528412	8616905	8245	37.5	14.2	35	81	6.1	6706	1	235	1595	642.5		157	9	1.5	158	7.4	0.03	2.12
22532	528410	8616888	8571	35.5	11.1	44	98	5.3	6927	0.5	110	1780	686.5	10	190.5	9.6	1.2	121	6.1	0.02	2.22
22534	528413	8616866	9910	44	15.1	41.5	96	6.7	7462	1	205	2035	806.5	10	191.5	10.5	1.8	183	7.8	0.03	2.5
22535	528429	8616802	4863	16	5.5	31	41	2.4	3371	0.5	50	1003	396	20	127	4.1	0.7	62	3.5	0.01	1.19
22544	528282	8617005	2779	132.5	68.7	41	118.5	25.7	1955	12	720	718	248	140	122.5	19.9	11.5	692	70.3	0.1	0.84
22549	527949	8616380	2795	56	22.9	33	83	9.2	1872	3	745	757	257	70	121	10.2	3.2	248	18.8	0.11	0.76
22550	527941	8616368	3066	64.5	24.8	34	87.5	10.5	2033	3	775	824	279	50	129	11.8	3.5	291	19	0.11	0.83
22552	527913	8616370	3010	49.5	18.8	32.5	81	8	2002	2.5	770	817	273.5	50	121.5	9.9	2.8	221	15.3	0.11	0.8
22553	527910	8616385	3796	58	23.6	43	103.5	9.3	2608	3.5	1075	1039	355.5	80	157.5	12.1	3.6	265	21.9	0.15	1.02
22555	527890	8616403	3039	71	38.6	39	88.5	13.8	1974	4.5	835	876	293.5	100	141	11.6	5.9	375	32.2	0.12	0.84
22557	527864	8616415	3896	62.5	29.1	33.5	82.5	11.4	2834	3	1165	987	349	40	138.5	10.9	3.7	328	19.5	0.17	1.06
22559	527725	8616477	2047	51.5	18	57	101.5	7.5	571	2	5065	528	141	100	180	11.1	2.7	126	14.3	0.72	0.46
22560	527607	8616633	1313	435	174.2	117.5	341.5	79.2	676	7.5	11210	575	145	60	270	61.8	18	1427	67	1.6	0.69

Appendix 4: Selected Auger Geochemistry Results

Table 7: Auger Samples which Assayed > 0.75% TREO																			
Sample ID	East	North	Ce ppm	Dy ppm	Er ppm	Eu ppm	Gd ppm	Ho ppm	La ppm	Lu ppm	Nb ppm	Nd ppm	Pr ppm	Sc ppm	Sm ppm	Tb ppm	Y ppm	Yb ppm	TREO pct
22561	527980	8617160	4944	122.5	73.2	43	129.5	26	3586	11	1205	1202	413		159	23.4	552	61.4	1.36
22562	528199	8616800	3606	46.5	33.8	17	46.5	11.4	2098	5	1335	552	206		64.5	8.8	248	30.2	0.84
22563	528197	8617001	8816	59.5	34.9	33.5	78.5	12.5	4719	5	1380	1259	465.5		140	12.7	248	30.6	1.92
22564	528102	8617100	4031	66.5	45.8	27	72	14.7	1738	6.5	1195	623	209.5		98.5	12.9	283	41.2	0.88
22574	527899	8616321	5210	101	51.4	61	152.5	19.6	5471	6	1980	1858	625		238	22.1	438	36.8	1.71
22578	528102	8616520	6834	84	49.1	43.5	105.5	17.7	5213	6.5	2440	1571	581.5		184	17.4	368	43.2	1.82
22588	527782	8617199	3103	55.5	30.7	27.5	69	11.4	2233	4	1365	746	262		109.5	11.2	248	25.2	0.83
22589	527788	8617199	5562	79	46.6	39.5	102.5	16.5	4680	6.5	1445	1374	497		160	16.9	369	40.6	1.56
22590	527901	8617121	1743	84	54.8	35	97.5	19	3881	8	1525	1095	387.5		129	16.4	457	47.1	0.96
22593	527726	8617113	2328	102	53.5	47.5	137	20.4	2678	9.5	1095	1079	342		173	21.2	463	43.8	0.90
22594	527726	8617113	4195	104	57.5	49	139	21.8	2505	13	1320	1033	330.5		169.5	22.9	480	52.5	1.10
22595	527726	8617113	2855	73	44.6	31	83	15.7	2065	6.5	1455	697	235		110	14.1	360	41	0.80
22600	528001	8617100	4043	178.5	83.6	80.5	242	34.1	3460	10.5	1360	1600	493.5		258	40.4	712	65.7	1.35
22615	528201	8616898	4916	63	39.9	29.5	72.5	13.5	3737	5.5	1355	1037	382.5		120	12.7	276	37.4	1.29
22616	528201	8616898	5219	45	32.9	15.5	42.5	11	2248	5.5	1330	476	187.5		57.5	8.2	224	31.6	1.04
22617	527700	8616802	3195	65	37.5	34.5	91.5	14	1849	5.5	3570	680	223.5		122.5	13.8	299	33.4	0.80

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
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>	<i>Geochemistry surveys were undertaken by Pensana Plc between 2020 and 2022.</i> <i>Four phases of soil samples were collected from systematic grids over the Coola carbonatite complex and surrounds to assess the distribution of rare earth element (REE) and niobium mineralisation. Samples were obtained from the residual soil profile, typically from the B-horizon at depths of approximately 10cm to 30cm below surface.</i> <i>Approximately 0.5kg to 1.0kg of material was collected at each sample location using hand tools. Samples were screened at -180 microns and submitted for geochemical analysis.</i> <i>Sampling methods are considered appropriate for reconnaissance and follow-up exploration of carbonatite-hosted REE mineralisation.</i> <i>One round of Auger drilling was completed. Holes were drilled to between 20 and 40 cm. Industry-standard sampling protocols were followed.</i> <i>One round of RC drilling was completed to determine the nature of fresh rock within the Coola diatreme. Assaying was by pXRF, and results are not reported.</i> <i>Rock chip sampling was completed sampling outcrops within anomalies generated by soil geochemistry..</i>
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>	<i>Auger and RC drilling were completed by the Project vendor.</i> <i>Auger drill holes were vertical and drilled to a depth of approximately 30cm.</i> <i>Survey details of RC drill holes are listed in Table 4.</i>

Criteria	JORC Code explanation	Commentary
Drill sample recovery	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.	Auger Samples: Samples were dry and collected around the drill hole collar. No further assessment was made. RC holes. Drill holes were shallow and material returned was dry. The samples were considered fit for purpose.
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.	Each sample was logged by a suitably qualified technician. Data recorded included sample identification, coordinates, sample depth, soil characteristics, lithological observations, regolith type and any relevant geological features. Logging was qualitative in nature but sufficient to support interpretation of the geochemical results.
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.	Work was undertaken by Pensana Plc. Samples were submitted to Nagrom, Perth, Western Australia, an accredited laboratory for preparation and analysis. Sample preparation comprised drying, grinding and mixing, and subsampling to obtain the fine fraction suitable for geochemical analysis. Field duplicate samples were collected at a nominal rate of approximately 1 in 20 samples to assess sampling precision. Sample sizes are considered appropriate for the style of mineralisation and exploration method employed.
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.	Dry and quarantine sterlise samples Crush, split and pulverise Digest/fusion and finish method (ICP-MS/ICP-OES) by ICP003 method This technique is a total digest method. Standards used included AMISA0356, OREAS463, OREAS464 and a BLANK.

Criteria	JORC Code explanation	Commentary
	<i>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.</i>	
<i>Verification of sampling and assaying</i>	<i>The verification of significant intersections by either independent or alternative company personnel.</i> <i>The use of twinned holes.</i> <i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i> <i>Discuss any adjustment to assay data.</i>	<i>Sampling and analytical data were reviewed by company geological personnel. Results were validated against original laboratory certificates and sample records.</i> <i>No adjustment of assay data has been undertaken.</i>
<i>Location of data points</i>	<i>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.</i> <i>Specification of the grid system used.</i> <i>Quality and adequacy of topographic control.</i>	<i>Sample locations were recorded using handheld GPS units with an estimated accuracy of approximately ±3 metres. Coordinates were recorded using the WGS84 datum, UTM Zone 33S.</i> <i>Topographic control is considered adequate for reconnaissance exploration activities.</i>
<i>Data spacing and distribution</i>	<i>Data spacing for reporting of Exploration Results.</i> <i>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.</i> <i>Whether sample compositing has been applied.</i>	<i>Soil samples were collected in four phases at 400m x 100m, 100m x 100m, 50m x 10m and 50m x 25m spacings, as described in the body of this announcement.</i> <i>The sample distribution is considered adequate to identify geochemical anomalies warranting follow-up investigation. The spacing is not intended to support Mineral Resource estimation.</i> <i>No sample compositing was undertaken.</i>
<i>Orientation of data in relation to geological structure</i>	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i> <i>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.</i>	<i>The sampling pattern was designed to provide effective coverage of the carbonatite ring structure and associated geological targets.</i> <i>No orientation-related sampling bias is considered to have materially affected the results.</i>
<i>Sample security</i>	<i>The measures taken to ensure sample security.</i>	<i>Samples were collected into numbered sample bags and secured until transportation to the laboratory. Chain-of-custody procedures were maintained throughout the sampling, transport and analytical process.</i> <i>Samples were delivered by DHL to Nagrom laboratory in Perth.</i>

Criteria	JORC Code explanation	Commentary
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	Internal reviews of sampling procedures, analytical methods and QA/QC data have been completed. The procedures are considered appropriate and consistent with industry practice.

Section 2 Reporting of Exploration Results

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

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.	Coola Mining Licence No. 059/02/01/T.P/ANG-MIREMPET/2020, holder (Coola Mining LDA). Tyranna has a right to earn 70% via Luvulu (Mauritius) Limited. While initially granted in 2020 for a period of up to 7 years, the Prospection Licence is subject to a renewal process and an extension of term application was lodged on 14 January 2022. On 21 July 2026 MIREMPET (Ministry of Mineral Resources, Oil and Gas) instructed ANRM (National Agency for Mineral Resources) to process the extension of term. The granted Prospection Title is annotated for rare earths minerals.
	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.	
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Exploration at Coola between 2020 and 2025 was managed by the Project vendor SBLRTHS LDA, a subsidiary of Pensana Plc and majority shareholder of Coola Mining LDA, the holder of the Prospection Title. Work completed included soil geochemistry, auger and RC drilling, ground magnetics and radiometrics, and mineralogical testwork. Relevant vendor reports are listed in Appendix 1.
Geology	Deposit type, geological setting and style of mineralisation.	The Coola Prospect comprises an alkaline-carbonatite complex located within the Lucapa Graben of central Angola. The prospect is characterised by an incomplete carbonatite ring dyke approximately 3 kilometres in circumference (about 1 kilometre in diameter) surrounding a central diatreme. The carbonatite is considered prospective for rare earth element and niobium mineralisation.

Criteria	JORC Code explanation	Commentary																																																						
Drill hole Information	A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: easting and northing of the drill hole collar elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar dip and azimuth of the hole down hole length and interception depth 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.	Auger drilling: Refer to Table 3 and note. RC Drilling: Refer to Table 4.																																																						
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.	Individual geochemical sample results are reported. No top-cutting of data has been applied. Where reported, Total Rare Earth Oxides (TREO) are calculated as the sum of the reported rare earth element, converted to the equivalent rare earth oxide, using the following table of conversion factors. <table border="1"> <thead> <tr> <th>Element</th><th>Oxide</th><th>Conversion Factor</th></tr> </thead> <tbody> <tr><td>La</td><td>La₂O₃</td><td>1.1728</td></tr> <tr><td>Ce</td><td>CeO₂</td><td>1.2284</td></tr> <tr><td>Pr</td><td>Pr₆O₁₁</td><td>1.2082</td></tr> <tr><td>Nd</td><td>Nd₂O₃</td><td>1.1664</td></tr> <tr><td>Sm</td><td>Sm₂O₃</td><td>1.1596</td></tr> <tr><td>Eu</td><td>Eu₂O₃</td><td>1.1579</td></tr> <tr><td>Gd</td><td>Gd₂O₃</td><td>1.1526</td></tr> <tr><td>Tb</td><td>Tb₄O₇</td><td>1.1762</td></tr> <tr><td>Dy</td><td>Dy₂O₃</td><td>1.1477</td></tr> <tr><td>Ho</td><td>Ho₂O₃</td><td>1.1455</td></tr> <tr><td>Er</td><td>Er₂O₃</td><td>1.1435</td></tr> <tr><td>Tm</td><td>Tm₂O₃</td><td>1.1421</td></tr> <tr><td>Yb</td><td>Yb₂O₃</td><td>1.1387</td></tr> <tr><td>Lu</td><td>Lu₂O₃</td><td>1.1371</td></tr> <tr><td>Y</td><td>Y₂O₃</td><td>1.2699</td></tr> <tr><td>Nb</td><td>Nb₂O₅</td><td>1.4305</td></tr> <tr><td>Sc</td><td>Sc₂O₃</td><td>1.5338</td></tr> </tbody> </table> TREO=La₂O₃+CeO₂+Pr₆O₁₁+Nd₂O₃+Sm₂O₃+Eu₂O₃+Gd₂O₃+Tb₄O₇+Dy₂O₃+Ho₂O₃+Er₂O₃+Tm₂O₃+Yb₂O₃+Lu₂O₃	Element	Oxide	Conversion Factor	La	La ₂ O ₃	1.1728	Ce	CeO ₂	1.2284	Pr	Pr ₆ O ₁₁	1.2082	Nd	Nd ₂ O ₃	1.1664	Sm	Sm ₂ O ₃	1.1596	Eu	Eu ₂ O ₃	1.1579	Gd	Gd ₂ O ₃	1.1526	Tb	Tb ₄ O ₇	1.1762	Dy	Dy ₂ O ₃	1.1477	Ho	Ho ₂ O ₃	1.1455	Er	Er ₂ O ₃	1.1435	Tm	Tm ₂ O ₃	1.1421	Yb	Yb ₂ O ₃	1.1387	Lu	Lu ₂ O ₃	1.1371	Y	Y ₂ O ₃	1.2699	Nb	Nb ₂ O ₅	1.4305	Sc	Sc ₂ O ₃	1.5338
Element	Oxide	Conversion Factor																																																						
La	La ₂ O ₃	1.1728																																																						
Ce	CeO ₂	1.2284																																																						
Pr	Pr ₆ O ₁₁	1.2082																																																						
Nd	Nd ₂ O ₃	1.1664																																																						
Sm	Sm ₂ O ₃	1.1596																																																						
Eu	Eu ₂ O ₃	1.1579																																																						
Gd	Gd ₂ O ₃	1.1526																																																						
Tb	Tb ₄ O ₇	1.1762																																																						
Dy	Dy ₂ O ₃	1.1477																																																						
Ho	Ho ₂ O ₃	1.1455																																																						
Er	Er ₂ O ₃	1.1435																																																						
Tm	Tm ₂ O ₃	1.1421																																																						
Yb	Yb ₂ O ₃	1.1387																																																						
Lu	Lu ₂ O ₃	1.1371																																																						
Y	Y ₂ O ₃	1.2699																																																						
Nb	Nb ₂ O ₅	1.4305																																																						
Sc	Sc ₂ O ₃	1.5338																																																						

Criteria	JORC Code explanation	Commentary
Relationship between mineralisation widths and intercept lengths	These relationships are particularly important in the reporting of Exploration Results.	Not applicable. Soil geochemistry results represent surface geochemical responses and do not provide direct measurements of mineralised thickness or true widths.
	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').	
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.	Plans showing soil and auger sample locations, and TREO distribution are included in the announcement (Figures 3–6 and 9). All plans include scale, north arrow and grid.
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.	Approximately 1,084 soil samples were collected. Appendix 2 (Table 5) lists all soil samples above 0.75% TREO, Appendix 3 (Table 6) lists rock chip locations and assay data for rocks that assayed above 0.75% TREO or above 1% Nb ₂ O ₅ and Appendix 4 (Table 7) lists all auger samples above 0.75% TREO. Figures 3 and 4 shows all soil sample locations, including those below the reporting threshold.
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.	All meaningful & material exploration data has been reported
Further work	The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).	500 soil geochemistry samples of the wider Sulima West and Mt Verde Prospects. Analysis of samples previously screened by pXRF from drilling, trenches and exploration pits.
	Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	Continue historic data integration ahead of drilling at Coala in Q2 2027 subject to the duration of the wet season.