AuKing to Acquire Machinga Heavy Rare Earths Project, Malawi

Highlights

- AuKing to acquire 100% of the Machinga Heavy Rare Earths Project in south-eastern Malawi, **located 40km east of Lindian Resources' Kangankunde Project,** comprising 200.4km^2 across two exploration licences in an emerging rare earths district.
- **Exceptional heavy rare earth enrichment** - Machinga hosts an average HREO content of approximately **28–30%,** comparable to or exceeding many ionic clay deposits, while delivering hard-rock grades of approximately 0.6–1.4% TREO—more than **10 times higher** than the typical ~0.05–0.08% TREO grades mined from ionic clay deposits.
- Historical drilling returned multiple high-grade rare earth intercepts, including[1]:
  - **MDD007 — 15.1m @ 1.01% TREO**, 0.36% Nb_2O_5, **27.70% HREO from 23.9m (3.71% Dy+Tb/TREO)**
    Including — 4m @ 1.75% TREO, 0.63% Nb_2O_5, **28.25% HREO from 33m (3.8% Dy+Tb/TREO)**
  - **MDD008 — 9m @ 1.11% TREO**, 0.41% Nb_2O_5, **27.58% HREO from 41m (3.72% Dy+Tb/TREO)**
    Including — 3m @ 1.56% TREO, 0.49% Nb_2O_5, **30.98% HREO from 45m (4.1% Dy+Tb/TREO)**
  - **MDD006 — 9m @ 0.70% TREO**, 0.30% Nb_2O_5, **28.53% HREO from 3m (3.84% Dy+Tb/TREO)**
    And — 5.2m @ 1.61% TREO, 0.66% Nb_2O_5, **30.66% HREO from 41.4m (3.99% Dy+Tb/TREO)**
  - **MR011 — 7m @ 1.42% TREO**, 0.49% Nb_2O_5, **28.99% HREO from 65m (3.8% Dy+Tb/TREO)**
  - **MR024 — 11m @ 0.74% TREO**, 0.29% Nb_2O_5, **27.73% HREO from surface (3.8% Dy+Tb/TREO)**
    Including — 2m @ 1.36% TREO, 0.49% Nb_2O_5, **29.04% HREO from 6m (4% Dy+Tb/TREO)**
  - **MR005 — 16m @ 1.01% TREO**, 0.36% Nb_2O_5, **28.22% HREO from 78m (3.6% Dy+Tb/TREO)**
  - **MR019 — 13m @ 0.65% TREO**, 0.25% Nb_2O_5, **25.21% HREO from surface (3.63% Dy+Tb/TREO)**
- Machinga is hosted in an analagous peralkaline igneous system as Bokan-Dotson Ridge (Alaska), a globally significant heavy rare earth deposit. While the Bokan-Dotson Ridge deposit (5.15Mt @ 0.58% TREO, ~22% TREO/HREO[2]) is proposed to be mined underground, Machinga's mineralisation is exposed from surface and demonstrates strong potential for lower-cost open-pit mining. The opportunity **to recover niobium as a valuable by-product, further enhances Machinga's strategic importance and rarity.**
- Compelling valuation benchmark – Ucore Rare Metals, owner of the Bokan-Dotson Ridge heavy rare earth project and listed on the TSX-V (UCU.V), currently has a market capitalisation of approximately A$320 million. By comparison, AuKing currently trades at a substantially lower valuation, providing scope for meaningful valuation uplift as Machinga advances through exploration, resource definition and development studies.[3]

[1] *Diamond and RC drilling programs conducted by DY6 Metals Ltd (now Tusker Minerals Limited – ASX:TSK) with results reported to ASX on 3 October, 26 October and 29 December 2023. (Refer cautionary statement on page 9 of this Release regarding these historical drilling results).*

[2] *Ucore Rare Metals Inc. press release dated April 14, 2026*

[3] *See note on page 9 in relation to comparable project statements*

- With historical near-surface mineralisation, strong heavy rare earth enrichment and numerous untested targets, Machinga presents a compelling opportunity for a large-scale, shallow mining development in Malawi, a proven and cost-competitive mining jurisdiction.
- AuKing is fully-funded to bring exploration immediately to Machinga, while also advancing its Tundulu rare earths project in the same region of southern Malawi.

AuKing's Managing Director Paul Williams *said: "The proposed acquisition of the Machinga Heavy Rare Earths Project represents another important step in AuKing's strategy to build a portfolio of high-quality critical minerals projects in Malawi.*

"Historical exploration, together with the more recent work undertaken by DY6 Metals/Tusker Minerals, has confirmed Machinga as a highly prospective heavy rare earth and niobium project. With near-surface HREO% results from that 2023 drilling reported in the order of 30% and bearing the similar peralkaline geology, Machinga has the potential to become comparable to the large Strange Lake and Bokan Mountain REE deposits in North America. Covering more than 200km^2, Machinga has potential to become a district-scale rare earths project and is easily accessible by road just north of the city of Zomba in southern Malawi. AuKing intends to commence exploration activities immediately following completion of the acquisition."

AuKing Mining Limited (ASX: AKN) ("AuKing" or "the Company") is pleased to announce that it has agreed to acquire a 100% interest in the Machinga Heavy Rare Earth Elements (HREE) Project in southern Malawi (Proposed Acquisition). The acquisition of Machinga provides AuKing with an additional high-quality rare earth project in Malawi at a time when heavy rare earths, particularly dysprosium and terbium, are attracting increasing strategic interest in the United States and globally amid efforts to strengthen resilient, diversified supply chains for critical minerals.

Machinga Project Overview

The Machinga HREE Project comprises two exploration licences (EL 0529 and EL 0705) covering approximately 200.4km^2 in southern Malawi. The project is located approximately 20km north of the city of Zomba and is readily accessible via the main north-south highway connecting Zomba and Lilongwe.

Machinga is situated within the Mesozoic Chilwa Alkaline Province, a well-recognised rare earth mineral province that hosts several significant rare earth projects, including Lindian Resources' Kangankunde Project and Mkango Minerals' Songwe Hill Project. The project area is positioned along the north-eastern margin of the Zomba-Malosa intrusive complex, where alkaline intrusive rocks have generated favourable geological conditions for rare earth element mineralisation.

The Chilwa Alkaline Province comprises a series of alkaline intrusive complexes, including nepheline syenites, syenites and alkaline granites, which occur in ring-shaped intrusive bodies typically ranging from approximately 5km to 10km in diameter. These geological settings are recognised globally as favourable hosts for rare earth element mineralisation.

The Machinga Project is located along the north-eastern edge of the Zomba-Malosa pluton, which intruded the Precambrian basement gneiss. The intrusive complex comprises a range of syenitic lithologies,

including quartz syenite grading into alkaline granite along its eastern margin.

Mineralisation at Machinga has been defined over a strike length of 2 km and comprises **niobium**, **tantalum**, **zirconium**, **uranium** and **rare earth element (REE)** anomalies. REE mineralisation is hosted within eudialyte, a zirconosilicate mineral characteristically associated with peralkaline magmatic complexes such as those within the Zomba-Malosa pluton and the surrounding Chilwa Alkaline Province. Eudialyte is commonly enriched in zirconium and hafnium and is also recognised as an important source of neodymium and heavy rare earth elements (gadolinium to lutetium). This peralkaline geological setting is very similar to the well-known HREE deposits in North America Strange Lake (in northern Quebec) and Bokan Mountain (in south-eastern Alaska).

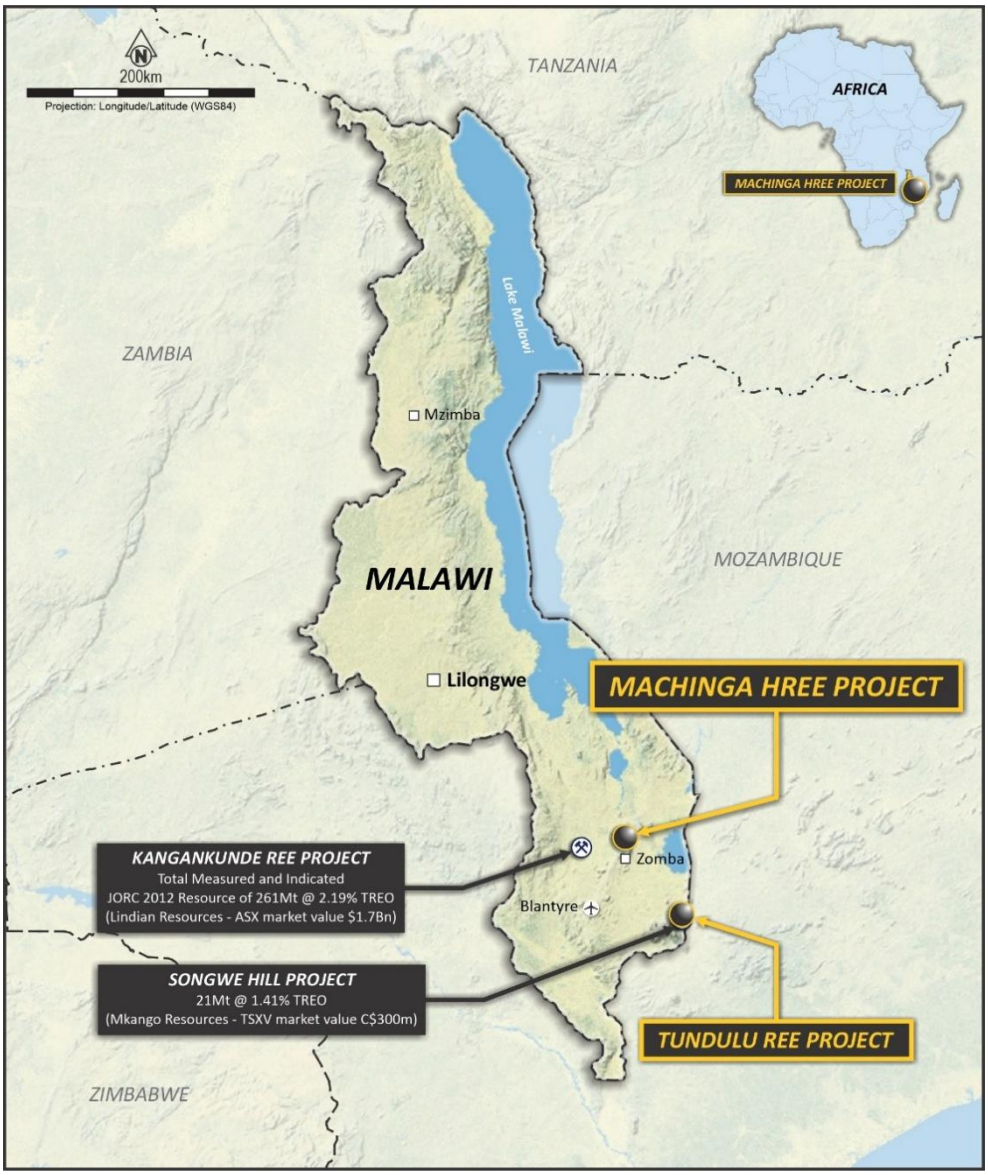

Figure 1 – Machinga Project location

(Note references in this Figure to resource estimates as published by Lindian Resources (ASX:LIN on 2 May 2024 and Mkango Resources Ltd (AIM/TSXV:MKA) on 4 February 2019)

Exploration History

Throughout the 1950s to 1970s, a series of geophysical, geochemical and (to a lesser extent) drilling campaigns were undertaken by groups from the Geological Survey of Great Britain and other government organisations in the pre-independence era. The work focused on three outcropping pegmatites located near radiometric anomalies found in the basement gneisses. The anomalies detected through the early geophysical surveys were noted to underly fine-grained epidotised rocks, their pegmatite equivalents, and an alkaline granite ring dyke. The early drillholes were analysed by geologists on behalf of the Atomic Energy Division of the Geological Society of Britain and were found to intersect radioactive granites and pegmatite veins. Much of the data and records from the early surveys of the project area are unavailable.

In 1986, the United Nations Development Program sponsored an airborne magnetic and radiometric survey undertaken by Huntington Geology and Geophysics Limited. Interpretation was completed by Paterson, Grant & Watson Limited in 1987. The survey identified numerous uranium anomalies across the Zomba region, and (as can be seen in Figure 2 below) identifies anomalies in the Machinga area which have formed the basis of exploration activities since that time.

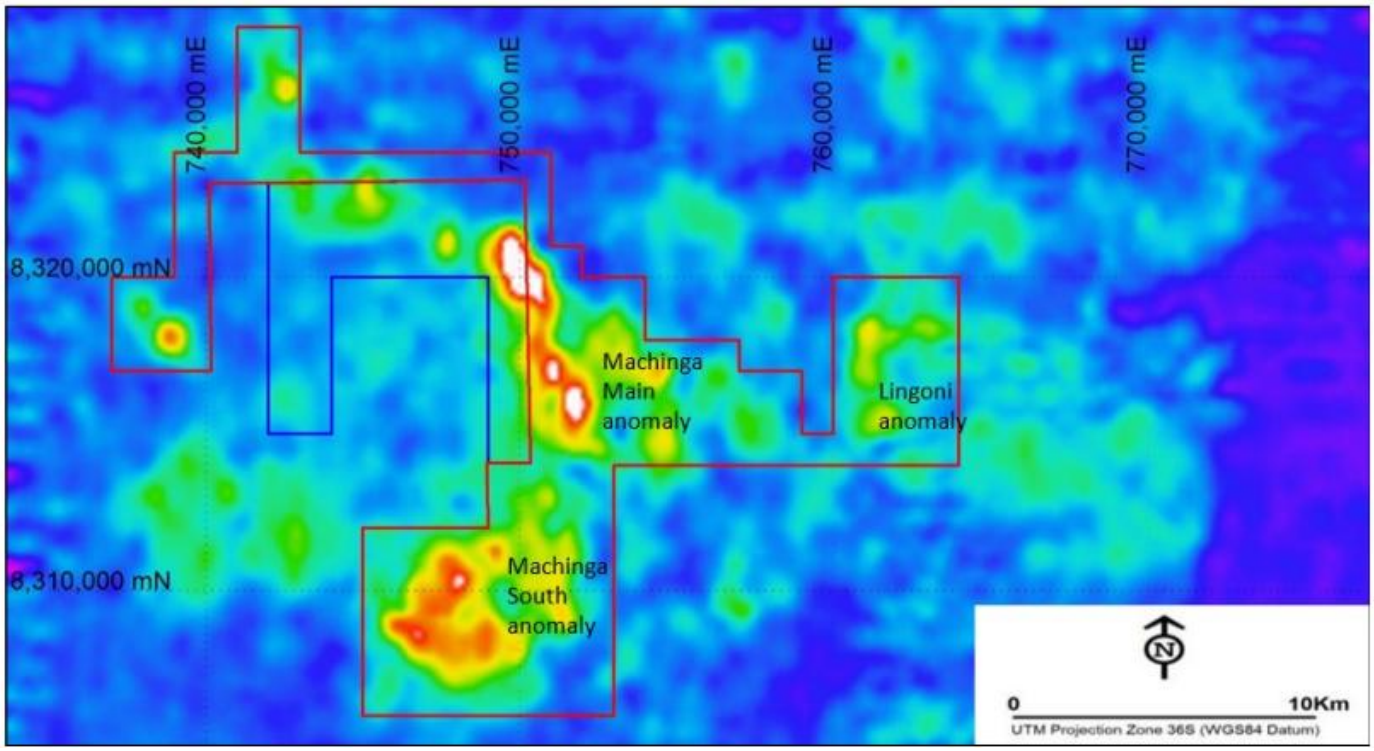

Figure 2 – Historical uranium anomaly map covering the Machinga Project licence areas (Source: CSA Global Independent Technical Assessment Report p34, included in DY6 Metals dated 3 April 2023.)

A summary of the more recent exploration activities conducted at Machinga (and generally, focussed on the northern section of the Main Machinga Anomaly) includes the following:

- In 2009 Resource Star Limited (RSL) completed an orientation soil sampling program over the Machinga Main Anomaly, 149 samples were collected.
- Globe Metals and Mining Ltd (ASX: GBE) undertook a trenching program 1,635m in total length which yielded 281 samples.
- GBE also completed two RC drilling programs in 2010-12 comprising 36 RC holes for 4,045 metres. (See Appendix D)
- DY6/Tusker undertook a combined RC and diamond drilling program in late 2023. A total of 35 RC holes

(MR001 – 035) were drilled for 3,543 metres and 8 diamond drill holes (MDD001 – 008) were completed for 900 metres. (See Appendix C)

- DY6/Tusker have also completed several programs of rock chip and soil sampling which continue to highlight areas of interest. (See Appendices E and F)

The recent exploration activities of DY6/Tusker will form the basis of AuKing's exploration planning if the Machinga acquisition proceeds and accordingly, the highlights from TSK's activities are as follows:

2023 RC/Diamond Drilling

The initial focus of DY6 with this maiden drilling program was to test the known strike of the confirmed historic drill results in the northern anomalous zone at Machinga. Results from the program confirmed a strong mineralised hydrothermal breccia system striking NW-SE and dipping shallowly ~ 35 degrees to the north-east. Very high-grade zones were intersected from the diamond drill holes, as well as the suggestion of the mineralised zones thickening at depth and continuous into the other licence area to the north-east of the drilling. Significant intercepts (see ASX announcement dated 29 December 2023) included:

- **MDD007 — 15.1m @ 1.01% TREO**, 0.36% Nb_2O_5, 27.70% HREO from 23.9m (3.71% Dy+Tb/TREO)
  Including — 4m @ 1.75% TREO, 0.63% Nb_2O_5, 28.25% HREO from 33m (3.8% Dy+Tb/TREO)

- **MDD006 — 9m @ 0.70% TREO**, 0.30% Nb_2O_5, 28.53% HREO from 3m (3.84% Dy+Tb/TREO)
  Including — 2m @ 1.20% TREO, 0.58% Nb_2O_5, 23.24% HREO from 6m (3.64% Dy+Tb/TREO)
  Also — 5.2m @ 1.61% TREO, 0.66% Nb_2O_5, 30.66% HREO from 41.4m (3.99% Dy+Tb/TREO)
  Including — 1m @ 2.67% TREO, 1.01% Nb_2O_5, 29.21% HREO from 44m (3.9% Dy+Tb/TREO)

- **MR004 — 6.1m @ 1.09% TREO**, 0.4% Nb_2O_5 from 22.5m (3.78% Dy+Tb/TREO)

- **MDD008 — 9m @ 1.11% TREO**, 0.41% Nb_2O_5, 27.58% HREO from 41m (3.72% Dy+Tb/TREO)
  Including — 3m @ 1.56% TREO, 0.49% Nb_2O_5, 30.98% HREO from 45m (4.1% Dy+Tb/TREO)

(Results returned an average of 29% HREO:TREO and 3.6% DyTb:TREO at a cutoff grade of >0.25% TREO)

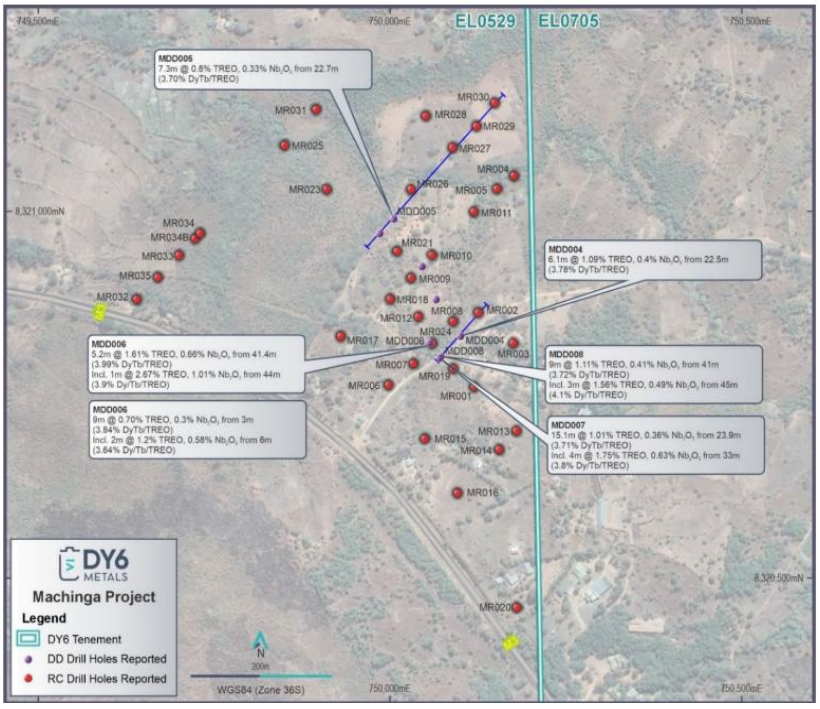

Figure 3 – Historical DY6 drill hole collar locations at the Machinga North Prospect

The diamond drilling program consisted of five holes drilled to depths of ~150m and three holes drilled to depths of 50m. The program was designed to determine the structural setting and geology of the Machinga deposit, obtain material for mineralogical investigations and commence preliminary metallurgical test work. Mineralogical analysis of the 15.1m intersection in drill hole MDD007 identified a high proportion of heavy rare earth oxides (HREO) at 27.7% HREO/TREO and 3.7% Dy+Tb/TREO, together with 15.2% NdPr oxide.

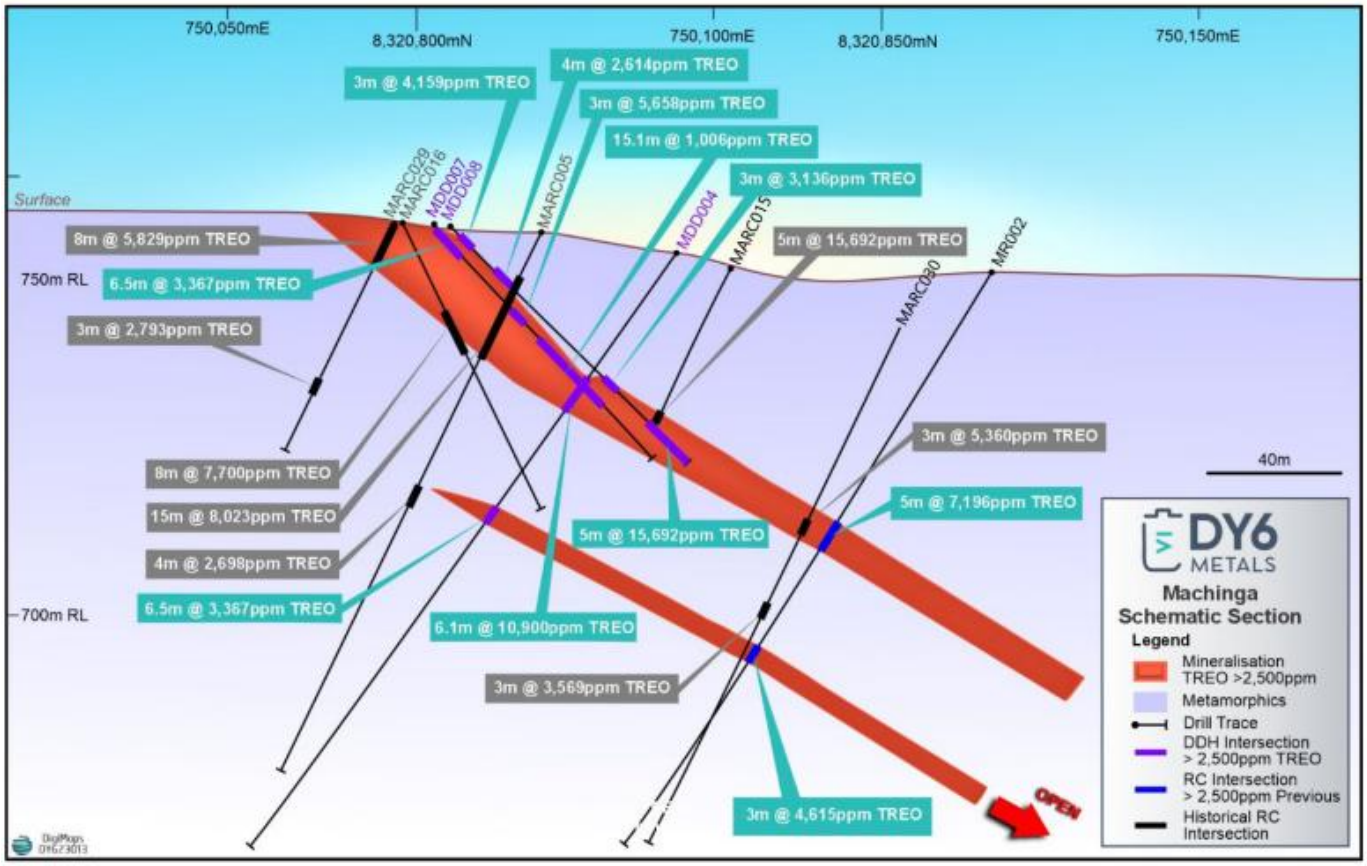

Figure 4 – Drill section showing historical DY6 Metals diamond drill holes MDD004, MDD007, MDD008, RC hole MR002 (reported to ASX on 23 January 2024), and historical GBE drill holes MARC005, MARC015, MARC016, MARC029 and MARC030.

(Full details of the historical DY6 and GBE drillhole details are provided in Appendices C and D)

2024/25 Rock Chip and Soil Sampling

In early 2024 DY6 conducted a comprehensive geochemical sampling program over the Machinga licences, initially targeting the western side of the maiden drilling areas in EL0529 before moving to the anomalous soil responses in the southern region of the main Machinga prospect in EL0705. Significant rock chip samples assay results included:

- **2.26% TREO**, 0.19% Nb_2O_5 (MEX061)
- **1.60% TREO**, 0.60% Nb_2O_5 (MEX098)
- **3.22% TREO**, 0.75% Nb_2O_5 (MEX141)
- **1.00% TREO**, 0.11% Nb_2O_5 (MEX270)

- **1.16% TREO**, 0.41% Nb_2O_5 (MEX510)

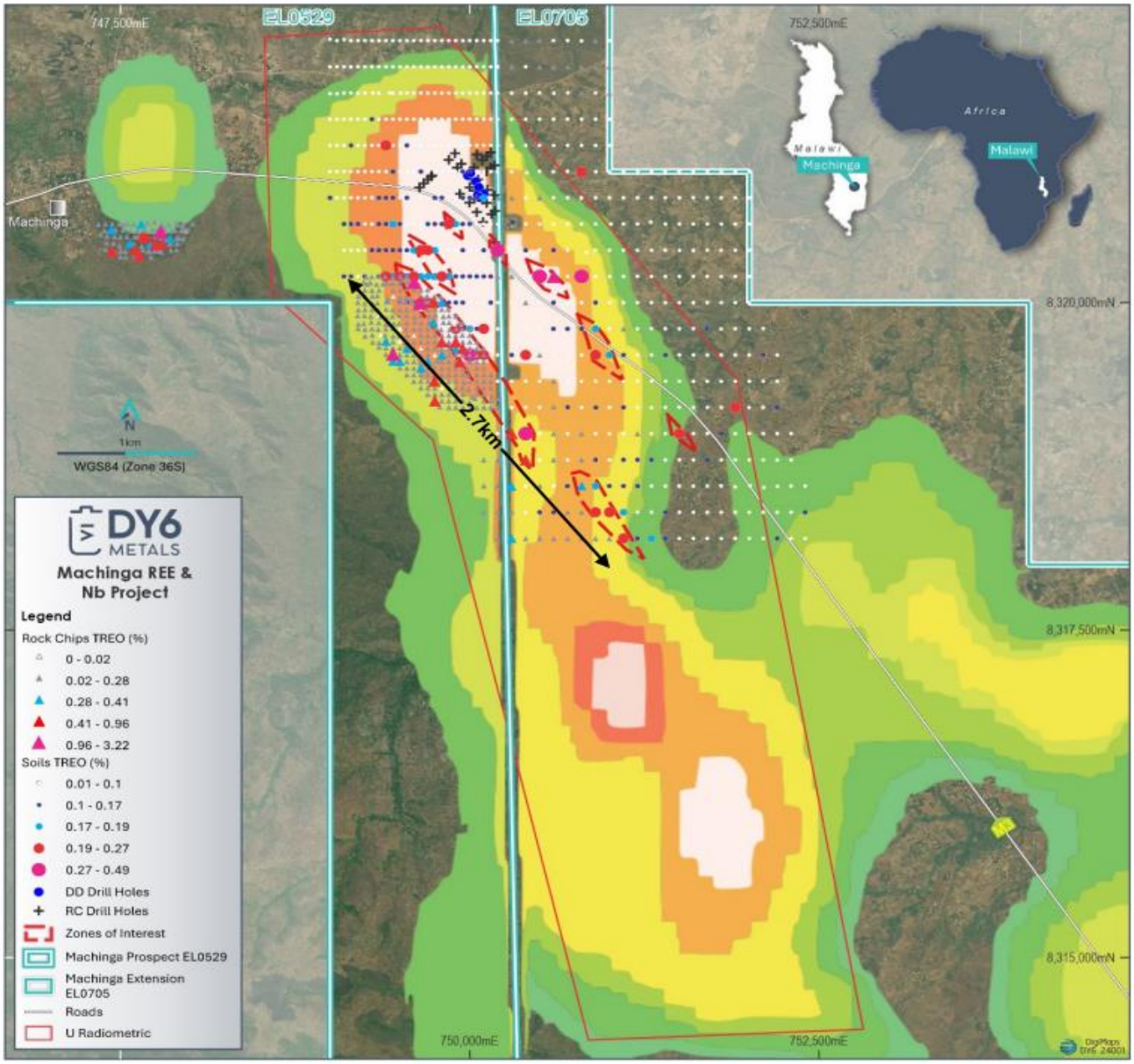

Figure 5 – Historical soil and rock chip TREO (%) results across the Machinga Project, showing historical uranium radiometric anomalies and DY6 drill hole locations.

DY6 reported that the results indicate multiple parallel zones consistent with the drilling results (Figure 5). The area of drilling and to the southeast tend to show patchy results due to extensive soil cover derived from up slope to the west, but clearly anomalism is not being dispersed. The two western anomalies where sample density is higher show a much more continuous character of greater TREO results, highlighting the scale potential of REE mineralisation in this area of the licence. This zone was only partially tested by the first phase of drilling as no drilling was completed west of the main road.

Previous drilling primarily focused on the north-east region of Machinga main northern anomaly near the licence border and where GBE initially explored. These rock chip results indicated significant potential exists for further drilling to the west and south of the initial focus of drilling activity within the large 2.7km long soil NW to SE oriented geochemical anomaly (Figure 5).

On 19 December 2025, TSK announced the results of a follow-up soil and rock chip sampling program designed to test the continuity of mineralisation southeast of the previous drilling and soil/rock chip

sampling programs. A total of 116 samples, comprising 77 rock chips samples and 39 soil samples collected on a 400m by 200m grid spacing, returned strong gallium results together with encouraging REE and niobium values, supporting further exploration across this area.

Next Steps

Applying modern exploration techniques, AuKing intends to commence exploration activities as soon as soon as practicable following completion of the acquisition. Initial work will focus on integrating the extensive historical drilling, geochemical and radiometric datasets with modern airborne (drone-based) magnetic and LiDAR surveys to refine the structural controls on mineralisation and identify priority drill targets across the project.

The initial exploration program is expected to focus on extending known mineralisation along strike and at depth, together with testing several large radiometric anomalies that remain largely unexplored. Particular emphasis will be placed on evaluating the western and southern extensions to the historically drilled Machinga North Prospect, where historical drilling and recent rock chip and soil sampling have highlighted significant exploration potential.

Transaction Structure

The Proposed Acquisition comprises the following staged consideration:

Exclusivity Payment

A non-refundable A$5,000 cash payment (already paid) to secure a 40-day exclusivity period, during which:

a) AuKing has completed satisfactory legal and technical due diligence;

b) AuKing and TSK having obtained ASX clearance under Chapter 11 of the ASX Listing Rules; and

c) Binding transaction documentation has been finalised and signed by the parties.

Each of the actions in (a), (b), and (c) above have now been completed.

On Completion

A$750,000 cash and:

a) A$750,000 in fully paid ordinary AKN shares (30,000,000 shares) issued (subject to voluntary restriction as set out below) at an issue price of $0.025 per share;

b) A$1,250,000 in performance shares, subject to milestone-based consideration set out below. A total of 50,000,000 performance shares will be issued at a price of $0.025 per security.

Each of the shares listed above will be issued by the Company pursuant to its existing capacity under ASX Listing Rule 7.1.

TSK will agree to voluntarily escrow the shares in para (a) above for a 12-month period, pursuant to a suitable deed to that effect.

On or before 12 months after Completion, AuKing will pay a further A$1,250,000 cash to TSK.

The performance shares will convert into fully paid ordinary shares upon satisfaction of a defined performance milestone (Performance Hurdle), being the reporting of a JORC-compliant Mineral Resource of at least 10Mt at 0.65% TREO at the Machinga Project within three (3) years from the issue of the

performance shares.

The performance shares shall be satisfied by AuKing issuing that number of ordinary shares at the 90-day VWAP as at the date of satisfaction of the Performance Hurdle subject to a maximum of 1 ordinary share for each performance share. In other words, each performance share will convert based on the formula $0.025/(90-day VWAP) subject to a maximum conversion rate of 1 ordinary share for each performance share.

Completion of the Proposed Acquisition is subject to approval for the transfer of the Machinga licences to AuKing's nominated Malawi subsidiary by the Mining and Minerals Regulatory Authority (MMRA) in accordance with the Malawi Mines and Minerals Act 2023.

Cautionary Statement Regarding Historical Exploration Results

The historical exploration referred to in this release was prepared and reported in accordance with the JORC Code 2012. A Competent Person completed sufficient work to disclose the exploration results in accordance with the JORC Code 2012.

It is possible that, following further evaluation and/or exploration work, confidence in the historical results may be reduced.

Nothing has come to the attention of AuKing that causes it to question the accuracy or reliability of the former owners' exploration results. However, AuKing has not independently validated those exploration results and therefore does not adopt, endorse or report them as JORC 2012 compliant.

Note – Proximate Statements

This announcement contains references to REE Projects derived by other parties either nearby or proximate to or in similar geological settings to the Machinga Project. It is important to note that such discoveries or geological similarities do not in any way guarantee that the Company will have any success or similar successes in delineating a JORC compliant Mineral Resource on the Machinga Project, if at all.

AuKing's Diversified Exploration Portfolio

The proposed Machinga acquisition is consistent with AuKing's strategy of building a portfolio of high-quality exploration projects focused on critical and other commodities. Upon completion of the acquisition, the Company's portfolio will include:

- Tundulu Rare Earths Project, southern Malawi;
- Koongie Park Copper-Zinc-Silver Project, Western Australia (49% joint venture with Cobalt Blue Holdings Ltd);
- Mkuju Uranium Project, southern Tanzania; and
- Big Wilson Tin-Tungsten Project, north-western Tasmania.

AuKing intends to continue advancing exploration activities across its portfolio, with an immediate focus on progressing its rare earths projects in Malawi while continuing to evaluate and advance opportunities across its uranium, base metals and tin assets.

ASX Disclosure Regarding Historical Exploration Results

This ASX release contains information derived from public disclosures of former owners and explorers of the Machinga project area. In accordance with ASX disclosure requirements the following additional matters need to be noted:

- The historical exploration results reported in this release were made by companies other than AuKing, including DY6 Metals Ltd/Tusker Minerals Ltd (TSK) and Globe Metals and Mining Limited (GBE), which are both listed on the ASX;
- Copies of the historical exploration results are available as publicly available reports on the ASX platform;
- AuKing's Competent Person believes that, due to these historical exploration results relating to early-stage activities and being confirmed by competent technical persons from the respective companies, it is reasonable to rely on these results in the manner presented in this release;
- AuKing intends (from now on) to report its own exploration results after the conduct of planned activities in accordance with the JORC Code 2012, utilising the historical exploration results as a general background rather than the basis for future reporting;
- Details of the proposed future exploration activities that need to be completed before exploration results can be reported in accordance with the JORC Code 2012 comprise mostly AuKing's initial drilling program, intended to commence as soon as possible after completion of the Proposed Transaction – proposed for later in 2026, subject to drilling rig availability and weather conditions;
- Funding of the exploration activities will be from AuKing's existing cash reserves;
- A statement by Ian Hodkinson, Competent Person, is set out below;
- A cautionary statement in relation to the historical exploration results included in this release is set out above; and
- AuKing has no other reason to suspect that the historical exploration results as reported in this release are misleading.

Approved by the Board of AuKing Mining Limited.

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Abbreviations

- TREO = Total Rare Earth Oxides – La_2O_3, CeO_2, Pr_6O_{11}, Nd_2O_3, Sm_2O_3, Eu_2O_3, Gd_2O_3, Tb_4O_7, Dy_2O_3, Ho_2O_3, Er_2O_3, Tm_2O_3, Yb_2O_3, Lu_2O_3, Y_2O_3 (Pm_2O_3 excluded by tradition)
- HREO = Heavy Rare Earth Oxides – Tb_4O_7, Dy_2O_3, Ho_2O_3, Er_2O_3, Tm_2O_3, Yb_2O_3, Lu_2O_3, Y_2O_3
- HREO% = HREO/TREO x 100
- MREE = Nd, Pr, Dy, Tb
- NDPR% = (Nd + Pr)/TREO

Competent Persons' Statement

The information in this report that relates to historical exploration results at the Machinga Heavy Rare Earths Project is based on information reviewed by Mr Ian Hodkinson who is a member of the Australian Institute of Geoscientists. Mr Hodkinson is a consultant to AuKing Mining Limited and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves.' Mr Hodkinson consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

APPENDIX A – DY6 2023 drill collar locations

Hole Id	Easting	Northing	Elevation	Azimuth	Dip	Total Depth
MR001	750120.3	8320756.9	761.7	214.3	-60.0	120
MR002	750128.0	8320862.7	751.4	217.4	-60.0	120
MR003	750173.6	8320819.7	756.1	222.6	-60.0	120
MR004	750179.6	8321045.6	739.1	228.1	-60.0	120
MR005	750151.7	8321030.3	739.8	221.5	-60.0	120
MR006	749997.2	8320760.5	764.5	228.0	-60.0	120
MR007	750031.5	8320791.8	759.8	228.2	-60.0	120
MR008	750083.3	8320853.2	751.8	230.1	-60.0	120
MR009	750033.9	8320909.0	754.0	225.7	-60.0	120
MR010	750061.4	8320940.6	750.8	225.7	-60.0	120
MR011	750116.8	8320995.6	744.3	223.9	-60.0	120
MR012	750041.4	8320854.4	755.2	224.3	-60.0	80
MR013	750182.5	8320702.3	764.6	223.9	-60.0	120
MR014	750144.6	8320683.0	768.8	226.7	-60.0	120
MR015	750044.3	8320684.8	768.1	227.7	-60.0	120
MR016	750096.3	8320612.6	771.6	225.7	-60.0	120
MR017	749918.6	8320827.1	764.4	215.3	-60.0	82.27
MR018	749982.0	8320880.1	760.9	227.4	-60.0	120
MR019	750088.5	8320786.7	759.1	217.7	-60.0	80
MR020	750177.5	8320462.6	765.0	233.6	-60.0	120
MR021	750007.7	8320938.0	754.2	228.6	-60.0	80
MR022	749939.5	8321059.3	743.9	221.6	-60.0	120
MR023	749905.8	8321021.2	751.1	223.3	-60.0	112
MR024	750056.1	8320825.6	756.2	224.4	-60.0	120
MR025	749834.1	8321078.0	742.0	226.2	-60.0	40
MR026	750051.6	8321014.4	745.6	221.6	-60.0	104
MR027	750087.2	8321088.3	743.3	225.6	-60.0	120
MR028	750054.5	8321128.9	748.1	226.3	-60.0	80
MR029	750121.2	8321116.8	745.5	225.3	-60.0	80
MR030	750149.3	8321144.2	746.6	230.7	-60.0	80
MR031	749893.3	8321136.8	745.8	231.2	-60.0	94
MR032	749656.5	8320862.1	764.4	222.4	-60.0	80
MR033	749696.0	8320941.8	752.9	202.7	-60.0	79
MR034	749723.1	8320971.5	750.4	227.5	-60.0	25
MR034B	749714.6	8320962.4	751.0	224.8	-60.0	67
MR035	749666.2	8320903.0	757.1	227.0	-60.0	80

APPENDIX B – GBE 2010-2012 drill collar locations

Hole ID	Depth (m)	Easting (m)	Northing (m)	RL (m)	Dip	Azimuth
MARC001	88	749985	8320958	753	-55°	270°
MARC002	142	750045	8320958	751	-55°	270°
MARC003	85	750061	8320878	753	-55°	270°
MARC004	141	750095	8320880	750	-55°	270°
MARC005	102	750096	8320799	757	-55°	270°
MARC006	121	750151	8320762	760	-55°	270°
MARC007	100	750341	8320460	756	-55°	270°
MARC008	103	749739	8320885	754	-55°	270°
MARC009	86	750106	8320799	757	90	000°
MARC010	129	749949	8320687	769	-55°	270°
MARC011	80	749996	8320556	777	-55°	270°
MARC012	100	750091	8320460	770	-55°	270°
MARC013	136	749718	8320652	787	-55°	090°
MARC014	100	751146	8319592	763	-55°	270°
MARC015	100	750095	8320839	752	-55°	270°
MARC016	75	750066	8320799	758	-55°	090°
MARC017	75	749926	8320460	787	-55	270°
MARC018	102	750010	8320459	777	-55	270°
MARC019	150	749934	8320617	776	-55	270°
MARC020	156	749915	8320661	772	-55	270°
MARC021	120	749812	8320656	774	-55	270°
MARC022A	124	749740	8320738	770	-55	270°
MARC022	20	749740	8320738	770	-55	270°
MARC023	130	750060	8320837	755	-55	270°
MARC024	115	750022	8320877	756	-55	270°
MARC025	142	750032	8320920	754	-55	270°
MARC026	140	750087	8320962	748	-55	270°
MARC027	141	749946	8321041	745	-55	270°
MARC028	128	749986	8321005	748	-55	270°
MARC029	124	750064	8320799	758	-55	270°
MARC030	110	750141	8320838	754	-55	270°
MARC031	120	750190	8320739	762	-55	270°
MARC032	100	749701	8320879	760	-55	270°
MARC033	100	749718	8320838	763	-55	270°
MARC034	100	749881	8320744	767	-55	270°
MARC035	80	749783	8320841	755	-55	270°
MARC036	80	749780	8320879	754	-55	270°

**Grid is WGS 84, Zone 36S*

APPENDIX C – DY6 2023 significant drilling intersections (see DY6 ASX releases dated 3 and 10 October and 29 December 2023 for full assay details)

[Note – results below are based on 2,500ppm TREO cutoff, minimum 3m width and maximum 2m internal dilution]

Hole ID		From	To	Length	TREO	MREO	MREO/TREO	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Tb_4O_7	Dy_2O_3	Lu_2O_3	Y_2O_3	NB2O5	Ta2O5	Nd_2O_3+Pr6O11	HREO
MR001		0	3	3	3472	457	13%	261	1438	77	239	16	124	16	818	1646	89	317	1239
MR001		7	10	3	5637	1118	20%	698	2051	211	704	29	175	10	954	2102	106	914	1413
	Including	8	9	1	13059	2554	20%	1599	4827	480	1592	67	415	25	2184	4990	267	2072	3273
MR001		46	50	4	2972	600	20%	373	1062	114	384	14	87	5	516	985	43	499	741
MR001		81	85	4	5405	1040	19%	682	1842	197	647	27	169	14	1033	2550	116	843	1509
MR002		44	49	5	7196	1331	18%	923	2452	247	804	36	244	17	1396	2706	148	1051	2068
	Including	45	46	1	16533	2970	18%	2068	5583	544	1769	82	575	45	3368	6437	378	2313	4990
MR002		66	69	3	4615	885	19%	541	1563	168	554	22	142	9	969	1554	43	722	1349
	Including	66	67	1	10513	1993	19%	1220	3541	379	1249	48	317	22	2276	3514	87	1628	3136
MR003		62	67	5	3728	722	19%	500	1296	141	453	17	111	8	661	1468	62	594	964
MR004		96	101	5	2932	595	20%	374	1009	114	374	15	92	5	520	927	38	488	757
MR005		78	94	16	5399	1015	19%	707	1830	190	618	28	179	12	1029	2106	107	807	1512
	Including	87	90	3	16289	2996	18%	2116	5480	556	1782	90	568	37	3190	6979	373	2338	4731
MR006		117	120	3	3293	618	19%	415	1192	129	400	13	76	9	617	3235	150	529	861
MR007		0	7	7	2825	522	18%	322	1050	100	326	14	83	6	544	1649	78	426	778
MR007	3m Composite	21	24	3	2782	516	19%	361	958	98	319	14	86	7	530	1423	73	417	771
MR008		24	27	3	7189	1332	19%	910	2443	246	806	40	240	16	1410	2340	117	1052	2079
	including	26	27	1	13901	2559	18%	1761	4741	473	1542	77	467	30	2739	4288	220	2015	4028
MR008		107	112	5	3608	671	19%	454	1298	129	423	16	103	9	658	1749	74	553	966
MR009		23	28	5	6175	1110	18%	674	1917	202	666	31	210	22	1511	2385	122	869	2152
MR010		24	29	5	3568	681	19%	453	1257	131	428	16	105	7	671	1234	57	559	951

Hole ID		From	To	Length	TREO	MREO	MREO/TREO	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Tb_4O_7	Dy_2O_3	Lu_2O_3	Y_2O_3	NB2O5	Ta2O5	Nd_2O_3+Pr6O11	HREO
MR010		40	43	3	6391	1262	20%	748	2250	243	808	30	181	10	1253	2334	83	1051	1714
MR010		99	102	3	3251	623	19%	391	1138	119	393	15	96	8	628	1404	58	512	895
MR011		65	72	7	14231	2631	18%	1796	4807	490	1595	72	474	34	2835	4928	276	2085	4126
	including	66	71	5	16950	3107	18%	2151	5715	579	1873	86	569	41	3392	5857	338	2452	4949

Hole ID		From	To	Length	TREO	MREO	HREO/ TREO	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Tb_4O_7	Dy_2O_3	Lu_2O_3	Y_2O_3	Nd_2O_3+ Pr_6O_{11}	HREO	Nb_2O_5	Ta_2O_5
MR012		11	15	4	7328	1306	35%	1130	2281	239	780	37	250	28	1769	1019	2542	2301	107
	including	14	15	1	10495	1892	31%	1784	3444	356	1150	51	335	34	2250	1506	3261	3321	161
MR013		**41**	**44**	**3**	**11055**	**2085**	29%	**1950**	**3750**	**387**	**1253**	**57**	**387**	**29**	**2112**	**1641**	**3167**	**5685**	**290**
	including	42	44	2	13428	2550	28%	2405	4587	472	1533	69	477	33	2515	2004	3773	7184	374
MR013		77	80	3	7482	1483	27%	1344	2575	277	917	38	251	14	1358	1194	1983	2424	116
	including	77	78	1	18245	3557	28%	3254	6136	654	2162	97	644	35	3476	2816	5090	6021	298
MR014		2	11	9	3206	621	26%	522	1190	118	393	15	96	6	574	511	822	1141	44
MR014		54	57	3	2949	590	23%	548	1090	116	382	13	80	5	464	497	668	1037	46
MR015		27	32	5	3152	622	25%	517	1150	121	403	13	85	6	565	524	796	1461	56
MR015		76	79	3	3639	716	27%	602	1261	135	455	18	109	9	683	590	986	1313	62
MR015		93	96	3	4780	912	28%	778	1664	178	586	20	127	13	938	764	1323	2565	65
	including	93	94	1	11843	2252	28%	1929	4119	442	1451	49	309	34	2338	1894	3274	6198	143
MR015		101	107	6	2653	474	27%	459	977	98	307	9	60	11	477	405	712	4042	201
MR016		2	5	3	4754	931	25%	796	1755	177	600	22	132	8	832	777	1184	1958	88
MR016		41	44	3	2776	571	24%	490	981	110	369	13	79	4	474	479	677	925	43
MR016		100	103	3	3692	697	25%	660	1352	144	451	14	87	12	631	596	920	4304	214
MR017		61	64	3	3672	739	25%	606	1306	148	488	15	89	9	655	635	929	2230	71

Hole ID		From	To	Length	TREO	MREO	HREO/ TREO	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Tb_4O_7	Dy_2O_3	Lu_2O_3	Y_2O_3	Nd_2O_3+ Pr_6O_{11}	HREO	Nb_2O_5	Ta_2O_5
MR018		0	3	3	5635	891	20%	689	2886	176	563	20	131	10	744	740	1105	2837	105
MR018		23	27	4	3509	704	25%	603	1263	138	457	15	93	7	621	596	876	1717	54
MR018		89	92	3	2785	545	2%	482	968	104	342	14	86	7	508	1082	52	446	742
MR019		**0**	**13**	**13**	**6470**	**1231**	25%	**1001**	**2536**	**232**	**764**	**29**	**205**	**13**	**1072**	**996**	**1612**	**2544**	**111**
	including	7	8	1	10572	2102	26%	1819	3741	392	1304	52	355	22	1835	1696	2751	3657	181
	including	9	10	1	12838	2494	27%	2298	4394	471	1512	64	447	27	2322	1984	3494	4215	222
MR019		35	38	3	4165	825	26%	726	1475	160	519	19	128	8	724	678	1071	1856	90
MR019		72	75	3	3041	567	28%	521	1047	113	359	12	84	12	576	471	866	2654	136
MR020		49	52	3	4472	712	32%	776	1540	152	436	14	111	25	945	587	1431	6733	395
MR021		**17**	**21**	**4**	**14739**	**2875**	28%	**2456**	**5092**	**529**	**1814**	**72**	**460**	**34**	**2804**	**2343**	**4107**	**6244**	**253**
	including	17	20	3	17708	3450	28%	2939	6112	635	2172	86	557	41	3383	2807	4962	7499	304
MR022		33	36	3	4952	933	33%	769	1569	162	558	27	186	16	1084	720	1628	2857	148
	including	33	34	1	12813	2394	33%	1987	4036	413	1422	71	488	42	2837	1836	4274	7784	405

Hole ID		From	To	Length	TREO	MREO	HREO/TREO	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Tb_4O_7	Dy_2O_3	Lu_2O_3	Y_2O_3	Nd_2O_3+Pr_6O_{11}	HREO	Nb_2O_5	Ta_2O_5
MR023		0	3	3	4196	563	31.38%	444	1896	102	303	17	142	14	878	405	1317	2888	113
MR023		5	8	3	3651	663	32.40%	602	1182	123	391	18	131	14	786	514	1183	1909	104
	including	6	7	1	10104	1821	32.57%	1664	3275	339	1069	49	364	38	2182	1407	3291	5429	296
MR024		0	11	11	7419	1367	27.55%	1109	2818	256	828	37	246	20	1355	1084	2044	2917	149
	Including	6	8	2	13616	2518	29.03%	2095	4911	467	1506	71	474	42	2591	1973	3952	4853	260
MR026		43	49	6	5511	1019	32.50%	904	1752	181	611	28	200	18	1199	791	1791	1807	95
MR026		99	102	3	3539	618	35.30%	569	1079	110	372	16	119	17	836	483	1249	1760	89
MR027		81	87	6	3934	777	28.46%	653	1327	141	487	19	129	9	767	629	1120	1405	57
MR027		98	101	3	3327	653	28.59%	552	1125	119	401	18	115	7	638	520	951	1021	54
MR028		103	108	5	5647	1096	27.80%	960	1938	204	681	29	182	12	1070	885	1570	1998	97
MR032		0	3	3	3672	613	29.95%	518	1409	119	373	16	106	12	752	491	1100	3706	170
MR033		0	4	4	4784	722	32.59%	623	1867	137	417	20	148	17	1071	554	1559	3637	195
MR033		34	37	3	2822	520	27.68%	492	986	105	328	11	75	9	537	433	781	1585	91
MR034		0	3	3	3445	635	30.46%	530	1194	124	393	15	103	12	714	517	1049	1666	94
MR034		16	20	4	5764	1119	25.99%	1016	2037	216	708	26	169	13	1022	924	1498	1453	85
MR034B		6	18	12	3867	742	32.11%	616	1225	133	444	22	143	9	874	577	1242	1082	59
MR035		0	3	3	3905	696	37.02%	531	1216	125	403	20	149	16	992	527	1446	3312	150
MR035		26	30	4	3648	700	25.62%	647	1303	137	449	15	99	9	649	586	934	2191	97

Hole ID	From	To	Length	TREO	TREO %	MREO	HREO/TREO	La_2O_3	CeO_2	Pr_6O_{11}	Nd_2O_3	Tb_4O_7	Dy_2O_3	Lu_2O_3	Y_2O_3	Nd_2O_3 +Pr_6O_{11}	HREO	Nb_2O_5	Ta_2O_5
MDD001	0	7	7	3324		626	26.06%	574	1207	120	393	15	98	7	601	513	866	1194	64
MDD001	12	15.2	3.2	3469		645	31.07%	545	1155	120	395	17	114	11	737	514	1078	1450	58
MDD001	27	30.4	3.4	5824		1042	34.21%	954	1794	188	615	30	209	23	1326	803	1992	2744	142
MDD002	30	34.6	4.6	5921		1035	34.53%	961	1834	185	607	32	210	23	1379	792	2044	2300	120
MDD002	94	97	3	4344		827	27.06%	786	1484	155	517	22	134	9	813	671	1176	1237	68
MDD003	8.7	12.5	3.8	8313		1465	32.99%	1312	2755	263	862	42	298	26	1854	1125	2742	4152	181
MDD003	98.7	101.8	3.1	3697		727	31.76%	549	1184	136	457	18	117	11	826	593	1174	1415	57
MDD004	**22.5**	**28.6**	**6.1**	**10901**	**1.09%**	**2078**	**28.91%**	**1895**	**3643**	**389**	**1278**	**55**	**357**	**26**	**2157**	**1666**	**3151**	**4032**	**194**
MDD004	46	49	3	2555		514	21.21%	483	967	103	334	10	67	4	366	437	542	741	34
MDD004	138	141.2	3.2	2470		457	34.33%	354	779	86	292	10	69	14	570	378	848	1978	89
MDD005	22.7	30	7.3	8006		1537	27.48%	1405	2754	288	953	39	258	17	1496	1241	2200	3330	138
MDD005	65.2	68	2.8	2820		537	30.86%	443	935	101	336	12	87	9	604	437	870	1353	50
MDD005	96	99	3	3685		685	27.16%	620	1341	137	430	15	103	14	669	567	1001	5777	222
MDD005	126.5	132.5	6	2639		515	27.25%	449	913	98	324	12	81	6	494	422	719	1136	50
MDD006	3	12	9	7046		1142	28.61%	912	2929	201	670	33	237	25	1274	872	2016	2973	163
MDD006	**41.4**	**46.6**	**5.2**	**16061**	**1.61%**	**2953**	**30.49%**	**2721**	**5333**	**541**	**1772**	**80**	**560**	**48**	**3249**	**2313**	**4897**	**6583**	**337**
MDD007	0	6.5	6.5	6368		877	33.85%	662	2669	152	481	30	214	24	1457	633	2156	3207	138
MDD007	18	21	3	5658		956	24.28%	843	2417	183	579	26	168	14	880	762	1374	2680	121
MDD007	**23.9**	**39**	**15.1**	**10064**	**1.01%**	**1900**	**27.69%**	**1786**	**3439**	**363**	**1164**	**51**	**322**	**23**	**1879**	**1527**	**2787**	**3587**	**174**
MDD008	2	5	3	4159		791	29.93%	717	1337	157	495	19	120	13	859	652	1245	1135	58
MDD008	9	13	4	2615		514	22.51%	428	1028	103	337	11	63	5	405	441	588	1113	39
MDD008	32	35	3	3136		615	26.62%	532	1104	120	387	15	93	6	577	507	835	1118	47
MDD008	**41**	**50**	**9**	**11074**	**1.11%**	**2112**	**27.54%**	**1926**	**3835**	**404**	**1295**	**57**	**355**	**25**	**2053**	**1699**	**3050**	**4099**	**197**

APPENDIX D – GBE 2010-2012 significant drilling results

(See DY6 release to ASX on 6 July 2023 for a complete list of these assay results)

Hole ID	From	To	Width	Dy_2O_3 ppm	Nd_2O_3 ppm	Pr_6O_{11} ppm	Tb_4O_7 ppm	Nb2O5 ppm	TREO ppm
MARC001	**12**	**14**	**2**	**492.9**	**1710.2**	**543.1**	**74.7**	**6202.0**	**14835.0**
MARC002	31	32	1	529.3	1470.4	488.3	77.4	5039.7	14108.7
MARC002	40	41	1	165.0	642.5	203.4	25.7	2191.5	5395.2
MARC002	85	86	1	212.2	652.5	207.7	30.0	4437.4	6357.4
MARC002	90	91	1	186.0	648.6	207.3	27.8	2515.2	5903.8
MARC003	**24**	**30**	**6**	**184.9**	**577.0**	**180.7**	**29.4**	**1712.3**	**5849.0**
MARC003	57	58	1	261.7	829.4	260.6	39.0	2836.7	7608.4
MARC004	**36**	**37**	**4**	**228.2**	**780.8**	**247.9**	**34.5**	**2389.6**	**7153.3**
MARC005	**12**	**23**	**11**	**330.2**	**1064.7**	**1127.6**	**47.9**	**3107.3**	**9872.1**
MARC006	29	30	1	142.3	656.6	199.1	22.1	1632.2	5325.7
MARC006	59	60	1	255.5	902.1	279.8	38.6	3328.8	7934.3
MARC007	**53**	**59**	**6**	**204.1**	**733.0**	**220.0**	**30.2**	**1982.9**	**6479.5**
MARC008	28	29	2	188.8	777.6	234.1	28.4	5138.4	6790.8
MARC008	29	30	1	211.1	838.2	254.6	31.6	5061.1	7326.3
MARC008	54	55	1	177.7	578.8	171.6	25.3	2610.7	5344.8
MARC008	76	77	1	84.0	287.4	91.8	11.0	5784.9	3012.2
MARC009	54	55	1	334.4	1293.0	386.3	49.6	4730.7	10871.9
MARC010	**66**	**68**	**2**	**172.7**	**805.4**	**246.4**	**25.6**	**7947.9**	**6579.0**
MARC010	124	125	1	276.1	1175.3	333.1	44.5	1902.6	8986.6
MARC011	**11**	**14**	**3**	**91.5**	**433.9**	**140.4**	**11.9**	**8048.9**	**4000.6**
MARC012	66	67	1	101.1	725.2	232.1	14.1	3968.2	5980.1
MARC013	108	109	1	160.1	4082.5	1505.6	39.1	52.9	40504.8
MARC014	11	12	1	169.1	740.3	229.5	22.4	2473.3	6543.2
MARC015	**26**	**31**	**6**	**595.7**	**1765.5**	**509.0**	**83.6**	**5398.4**	**15692.1**
MARC015	87	88	1	221.9	667.6	198.6	29.7	5312.9	6297.8
MARC016	**19**	**24**	**5**	**354.1**	**1134.8**	**335.4**	**51.4**	**3259.3**	**9993.6**
MARC016	69	70	1	243.2	832.8	240.7	34.9	2730.8	7174.1
MARC017	4	5	1	159.3	665.5	199.6	23.3	2504.8	5185.7
MARC018	**12**	**15**	**3**	**68.9**	**326.9**	**115.0**	**8.5**	**6915.5**	**3282.9**
MARC019	4	5	1	71.5	415.9	147.0	9.2	7563.1	3831.2
MARC019	104	105	1	29.4	337.6	122.2	4.6	9517.1	2750.8
MARC020	7	8	1	94.9	449.1	141.5	14.5	5049.7	3893.9
MARC020	45	46	1	77.5	403.7	134.8	11.4	7777.6	3740.2
MARC020	148	149	1	50.3	309.2	107.4	6.9	5626.2	2616.5
MARC021	**16**	**18**	**2**	**128.4**	**771.0**	**214.5**	**21.4**	**4297.2**	**5589.1**
MARC021	51	52	1	69.2	617.0	204.2	11.2	1004.2	5809.6
MARC021	**108**	**110**	**2**	**216.6**	**1223.1**	**340.5**	**34.6**	**4375.2**	**9279.7**
MARC022	**42**	**44**	**2**	**182.3**	**1388.1**	**475.9**	**28.1**	**3932.4**	**11091.0**

Hole ID	From	To	Width	Dy_2O_3 ppm	Nd_2O_3 ppm	Pr_6O_{11} ppm	Tb_4O_7 ppm	Nb2O5 ppm	TREO ppm
MARC022	85	86	1	19.7	253.3	90.7	2.6	6626.1	2039.9
MARC023	**11**	**16**	**5**	**288.1**	**853.8**	**273.7**	**43.3**	**2667.9**	**8003.4**
MARC023	100	101	1	54.3	241.4	84.5	6.8	5179.8	2492.7
MARC024	**13**	**15**	**2**	**391.9**	**1519.4**	**484.6**	**62.6**	**4285.1**	**12243.6**
MARC024	110	111	1	133.8	566.1	182.5	18.2	5890.8	5073.1
MARC025	**26**	**29**	**3**	**217.9**	**549.7**	**163.7**	**29.4**	**2471.5**	**5652.7**
MARC025	97	98	1	135.9	665.9	192.7	20.9	2726.5	5082.9
MARC025	126	127	1	49.1	292.4	95.1	6.8	5434.5	2513.5
MARC026	48	49	1	469.5	1483.5	451.9	68.4	5899.4	13280.4
MARC026	**63**	**65**	**2**	**201.4**	**720.0**	**214.6**	**30.3**	**2441.9**	**5986.9**
MARC027	0	1	1	341.2	781.6	239.2	41.3	5577.5	9845.8
MARC027	**32**	**34**	**2**	**449.3**	**1321.1**	**379.7**	**61.3**	**9055.1**	**11828.1**
MARC027	**86**	**91**	**5**	**118.8**	**501.3**	**149.3**	**17.5**	**2345.4**	**4074.9**
MARC027	134	135	1	153.8	718.6	217.3	23.2	1938.3	5685.8
MARC028	20	21	1	183.6	662.7	205.2	26.6	2514.8	5786.8
MARC028	29	30	1	314.6	1240.9	378.9	46.6	3413.2	10233.1
MARC029	**0**	**2**	**2**	**156.0**	**395.4**	**122.9**	**20.5**	**4048.3**	**5496.1**
MARC029	**6**	**8**	**2**	**366.2**	**1415.0**	**422.0**	**55.5**	**4982.4**	**11165.5**
MARC029	30	31	1	177.0	787.1	244.0	28.0	2230.1	6232.3
MARC030	**48**	**51**	**3**	**181.8**	**591.9**	**182.9**	**26.6**	**1959.8**	**5359.5**
MARC030	64	65	1	339.0	1035.9	313.8	49.3	4268.6	9565.0
MARC031	55	56	1	810.3	2420.0	732.9	113.3	8043.7	21679.8
MARC031	78	79	1	208.2	981.8	298.8	32.8	2593.5	7352.8
MARC032	33	34	1	127.3	618.8	194.8	20.5	2197.2	5031.9
MARC032	**90**	**92**	**2**	**84.2**	**1020.9**	**312.4**	**14.6**	**4091.9**	**7098.2**
MARC033	**66**	**69**	**3**	**338.5**	**3286.1**	**9531.7**	**63.2**	**4896.1**	**22304.5**
Including	***67***	***68***	***1***	**670.4**	**7667.9**	**2219.2**	**128.9**	***5936.6***	***50949.5***
MARC033	90	91	1	45.4	209.4	68.0	5.8	5677.7	2026.7
MARC034	**27**	**29**	**2**	**228.4**	**808.8**	**248.9**	**34.0**	**2775.9**	**6922.8**

APPENDIX E – DY6 2024 rock chip and soil results

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX001	747907	8320451	223.7	14.8	10.4	1.6	16.5	3.2	173.8	2.4	134.7	118.7	36.4	19.5	2.8	17.3	1.6	4.0	87.2	13.8	0.09	0.02	182.43	20.94
MEX002	747907	8320451	338.6	28.7	20.5	1.7	21.5	6.0	131.9	4.4	450.3	108.8	33.2	23.0	4.0	58.7	3.4	12.5	174.0	26.0	0.11	0.06	167.02	14.93
MEX003	747854	8320449	601.7	30.5	19.1	3.0	33.9	6.0	370.2	3.2	331.1	230.2	70.7	39.2	5.2	55.0	2.7	11.0	196.3	19.9	0.20	0.05	353.93	18.02
MEX004	747800	8320448	832.2	116.4	47.4	17.9	194.3	18.6	2269	5.2	310.3	1603.1	466.4	244.0	24.0	42.0	5.7	9.6	617.8	34.4	**0.77**	0.04	2433.36	31.53
MEX005	747749	8320444	532.7	81.5	35.3	11.7	132.5	14.0	1876.9	3.7	252.2	1136.5	345.7	168.0	16.7	36.0	4.3	8.6	530.8	25.6	**0.58**	0.04	1743.29	29.84
MEX006	747714	8320443	675.1	48.2	21.3	7.5	73.1	8.1	848.8	2.8	157.7	642.9	199.3	100.2	10.0	23.9	2.8	5.7	261.4	18.0	0.35	0.02	990.67	28.43
MEX007	747653	8320431	240.9	27.6	19.4	1.5	17.3	6.5	34.2	3.3	486.8	50.4	13.8	15.1	3.6	42.4	2.9	11.1	171.2	20.4	0.08	0.07	75.46	9.88
MEX008	747596	8320450	331.1	16.7	11.1	1.6	17.6	3.0	191.5	2.0	206.5	134	42.7	21.5	2.6	25.9	1.7	6.1	93.8	10.7	0.11	0.03	207.89	19.61
MEX009	747567	8320453	910	29.6	15.0	3.9	45.3	5.5	605.2	2.6	188.1	433.6	135.1	63.7	6.0	28.2	1.9	5.9	130.5	16.0	0.29	0.03	668.98	23.22
MEX010	747496	8320434	219.9	9.9	5.5	1.3	11.6	1.7	109.5	1.1	113.9	98.6	29.7	16.2	1.7	13.1	0.8	3.2	45.9	6.5	0.07	0.02	150.89	22.44
MEX011	747449	8320453	299.5	18.3	10.2	2.2	22.4	3.5	181.2	1.6	177	152.1	44.0	25.1	3.3	18.9	1.7	4.1	97.0	10.9	0.10	0.03	230.57	21.99
MEX012	747403	8320457	262.3	12.4	7.7	1.2	14.5	2.6	138.2	1.5	156.6	108	31.2	18.2	2.2	15.0	1.1	4.0	69.2	8.1	0.08	0.02	163.67	20.06
MEX013	747902	8320406	204.3	10.3	7.5	1.1	12.4	2.2	128.4	1.2	145	87.9	26.5	14.8	1.7	23.2	1.0	3.9	61.9	7.8	0.07	0.02	134.54	19.68
MEX014	747861	8320401	552.4	35.4	22.6	4.1	39.3	7.0	732.4	3.9	513.7	380.6	125.5	56.8	6.3	81.8	3.3	17.7	208.7	23.9	0.26	0.07	595.56	22.63
MEX015	747793	8320387	58.5	7.4	6.2	0.4	5.4	1.8	36.6	1.7	144.8	24.9	7.6	3.9	1.1	16.7	1.3	3.7	56.8	9.4	0.03	0.02	38.23	14.19
MEX016	747775	8320395	228.6	12.5	7.7	1.4	14.4	2.5	155.8	1.7	177	113.1	34.1	18.1	2.3	22.8	1.2	4.7	73.0	9.3	0.08	0.03	173.12	21.34
MEX017	747744	8320394	364.8	28.0	15.6	4.2	39.9	5.7	489.8	2.2	253.7	289.8	87.4	42.0	5.1	19.0	2.3	15.9	177.8	12.7	0.19	0.04	443.62	23.68
MEX018	747708	8320396	347.4	28.4	15.9	4.2	40.0	5.4	759.5	2.5	207.9	458.2	144.9	59.0	5.6	20.0	2.4	5.3	239.3	15.5	0.25	0.03	709.51	27.97
MEX019	747699	8320392	241.6	10.2	8.3	0.7	8.3	2.1	72.7	1.7	150.2	57.9	18.1	10.2	1.6	28.3	1.4	3.5	65.9	8.5	0.06	0.02	89.40	14.51
MEX020	747661	8320405	380.3	19.2	12.1	2.0	24.0	4.1	263	2.5	220.2	199.2	62.4	32.6	3.8	27.6	1.9	6.0	107.3	16.0	0.14	0.03	307.74	22.70
MEX021	747605	8320403	513.7	45.3	19.6	8.4	84.2	7.7	2006	2.7	140	1002.7	340.7	130.5	9.5	25.7	2.6	3.4	403.3	15.5	**0.55**	0.02	1581.18	29.00
MEX024	747535	8320392	332.4	13.5	7.4	1.8	19.4	2.2	193	1.1	104.6	157.6	45.0	25.1	2.6	13.5	1.0	2.6	70.0	7.0	0.11	0.01	238.19	22.57
MEX025	747503	8320395	297.3	26.6	20.0	1.6	19.9	6.0	108.6	3.1	364.4	93.2	26.9	19.8	3.9	13.1	3.0	3.5	167.9	18.6	0.10	0.05	141.21	14.30
MEX026	747466	8320383	259	15.4	13.0	1.2	10.5	3.6	47.5	2.4	265	43	12.9	11.0	2.3	30.9	1.9	5.9	110.9	14.4	0.07	0.04	65.74	9.85
MEX027	747446	8320397	450.7	27.7	13.0	3.6	35.7	4.6	202.9	1.9	190.5	237.5	64.4	43.3	5.4	22.7	1.8	5.0	123.4	11.5	0.15	0.03	354.83	24.07
MEX028	747442	8320395	799.7	81.3	32.7	14.5	126.9	12.9	792.4	4.3	229.4	1010.3	272.9	174.4	16.5	29.5	4.4	6.3	317.4	30.2	0.44	0.03	1508.13	34.30
MEX029	747435	8320397	87.9	5.7	3.0	0.7	6.7	1.2	40.9	0.5	60.7	40	11.1	7.1	1.0	8.4	0.5	2.2	32.7	2.6	0.03	0.01	60.07	20.65
MEX030	747391	8320408	233.1	13.2	7.0	2.0	17.8	2.4	157.6	1.0	122.6	133.4	37.1	21.3	2.4	16.9	0.9	3.0	69.1	5.4	0.08	0.02	200.42	23.75
MEX031	747719	8320347	348.3	18.1	12.6	1.5	14.6	3.5	140.4	2.1	254.6	108.7	34.3	19.7	2.8	25.9	1.8	7.6	110.7	13.1	0.10	0.04	168.23	16.75
MEX032	747609	8320348	333.8	21.4	15.2	1.8	22.8	4.4	179.5	4.7	211.4	158.9	44.5	29.3	3.5	17.1	2.9	5.7	123.5	22.1	0.12	0.03	239.11	20.55
MEX033	747636	8320360	565.4	73.4	29.8	12.6	126.9	11.6	2049.4	4.1	214.5	1286.3	394.9	172.7	15.4	19.9	3.7	6.0	435.9	24.5	**0.62**	0.03	1977.46	32.02
MEX034	747536	8320349	146	7.1	4.1	0.9	8.0	1.1	75	1.0	104.8	68.4	21.2	11.4	1.2	5.6	0.7	1.9	31.7	5.7	0.05	0.01	105.40	22.89
MEX035	747500	8320353	161.3	6.7	4.9	0.7	8.9	1.5	82.1	1.1	146.9	63	19.7	10.5	1.2	15.0	0.8	3.1	40.2	5.5	0.05	0.02	97.28	19.82
MEX036	747455	8320548	146.9	10.8	6.4	1.7	15.8	2.1	118.1	1.0	89.3	101.3	29.2	16.6	2.0	7.3	0.8	1.7	68.2	5.1	0.06	0.01	153.44	24.33

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX037	748017	8320602	587.3	15.8	11.3	1.9	15.2	3.2	207.4	2.3	672.9	133.5	42.6	22.8	2.6	44.1	1.8	26.9	69.7	13.8	0.14	0.10	207.18	15.18
MEX038	747943	8320589	530.8	10.1	8.7	0.8	9.4	2.4	250.4	2.0	668.3	103.5	34.5	13.8	1.6	34.1	1.3	40.7	66.6	11.2	0.13	0.10	162.41	12.86
MEX039	747947	8320601	321.6	9.2	6.3	0.7	8.3	1.7	227.8	1.5	139	77.4	27.2	10.4	1.4	26.6	1.2	3.1	48.1	9.5	0.09	0.02	123.14	13.62
MEX040	747911	8320595	192.9	5.5	4.1	0.4	4.4	1.2	142.2	1.2	111.4	44.7	15.6	5.5	0.7	14.4	0.7	2.5	29.7	6.7	0.05	0.02	70.99	12.97
MEX041	747900	8320603	187.2	10.1	8.4	0.7	8.3	2.2	105.1	2.1	207.5	53.2	16.6	10.7	1.4	22.6	1.6	4.7	58.9	10.6	0.06	0.03	82.11	14.29
MEX042	747845	8320597	332.1	13.1	12.3	0.8	11.1	3.1	177.2	2.8	361.2	80.8	26.3	13.1	2.1	60.6	2.0	7.1	81.3	17.1	0.09	0.05	126.02	13.49
MEX043	747798	8320593	1169.3	26.1	18.1	2.4	27.9	5.2	530	3.9	425.9	270.2	91.2	39.6	4.3	44.5	2.8	13.9	143.4	21.8	0.28	0.06	425.35	14.98
MEX044	747745	8320616	105.2	14.2	11.7	0.6	8.0	3.4	38	2.3	280.5	35.2	10.0	7.9	1.7	42.5	2.0	5.6	97.9	14.4	0.04	0.04	53.14	12.44
MEX045	747691	8320607	752.7	15.8	9.3	2.0	20.3	2.8	296.5	1.8	183	176.5	57.3	28.3	2.9	19.0	1.4	7.2	75.8	11.2	0.18	0.03	275.10	15.68
MEX046	747649	8320598	1275.8	34.8	24.2	2.8	35.5	7.3	688.4	3.6	545	361.2	120.1	47.5	5.5	106.9	3.5	11.8	210.4	25.2	0.34	0.08	566.41	16.53
MEX047	747594	8320599	335.4	15.4	9.9	1.5	16.2	3.3	164.2	1.9	231.5	121.8	37.1	19.4	2.4	22.3	1.9	7.5	90.9	11.0	0.10	0.03	186.89	18.65
MEX048	747549	8320603	158.4	6.1	3.8	0.7	8.1	1.2	77	0.9	51.7	61.9	18.4	10.4	1.3	6.3	0.6	1.0	37.7	4.5	0.05	0.01	94.43	20.07
MEX049	747521	8320595	429.3	30.1	18.4	4.1	33.8	5.8	330	3.2	276.2	247.3	74.6	43.4	5.5	43.6	2.8	8.0	155.2	19.9	0.17	0.04	378.58	22.50
MEX050	747493	8320602	804.2	32.2	17.6	4.2	41.5	5.7	549.4	2.5	226	367.4	116.8	57.5	5.9	50.9	2.5	5.7	162.3	17.3	0.26	0.03	569.65	21.71
MEX051	747442	8320604	194.3	13.6	10.7	1.0	13.2	2.9	97.7	2.0	243.5	83.4	25.3	15.6	2.1	29.5	1.4	7.3	84.0	12.6	0.07	0.03	127.85	18.96
MEX052	747393	8320602	404.1	18.1	9.5	2.0	21.9	2.9	219.2	1.8	206	163.5	50.6	26.3	3.3	28.1	1.4	7.0	85.4	9.9	0.12	0.03	251.84	20.55
MEX053	747341	8320599	637.6	29.6	16.7	3.2	37.7	5.2	374	2.5	232.7	293.8	87.8	50.3	5.5	30.5	2.3	6.5	145.3	14.5	0.20	0.03	448.77	21.91
MEX054	747981	8320556	392.1	13.9	11.2	1.0	10.9	3.0	176.5	2.1	381.1	102.1	33.2	15.6	2.1	40.5	1.7	11.5	73.4	13.0	0.10	0.05	159.20	15.51
MEX055	747966	8320545	127.7	0.8	0.8	0.1	0.7	0.2	8.7	0.5	24.6	7.2	2.0	1.7	0.2	0.7	0.2	0.2	4.4	2.0	0.02	0.00	10.81	5.64
MEX056	747954	8320550	319.8	9.6	8.3	0.8	8.8	2.2	220.8	1.7	204.6	81	27.1	11.2	1.6	26.9	1.4	3.9	51.8	10.9	0.09	0.03	127.22	13.99
MEX057	747937	8320553	300.9	6.5	5.8	0.5	5.6	1.5	253.5	1.2	121.5	70	25.3	7.0	1.0	20.6	1.0	2.7	39.0	8.3	0.09	0.02	112.22	12.86
MEX058	747890	8320553	409	20.2	16.1	1.1	12.1	4.4	91.1	2.3	613.7	63.6	19.1	14.5	2.4	45.5	2.8	20.4	118.6	17.5	0.10	0.09	97.26	10.08
MEX059	747865	8320549	302.5	12.5	8.8	1.0	9.9	2.6	64.1	1.6	150.1	55.7	16.5	11.9	1.9	25.0	1.4	3.3	73.0	10.4	0.07	0.02	84.90	12.21
MEX060	747816	8320558	452.4	10.0	5.5	1.1	12.5	1.7	230.9	1.3	96.7	131.4	41.6	17.5	1.8	8.9	1.0	1.1	56.0	6.8	0.12	0.01	203.53	17.41
MEX061	747788	8320543	9149	52.7	28.5	8.8	95.5	9.5	6226.6	5.3	1345.2	2004.6	742.3	189.5	10.8	196.6	4.1	18.9	252.7	33.1	**2.26**	0.19	3235.01	14.31
MEX064	747757	8320551	506.1	25.2	16.1	2.1	20.0	4.9	201	2.2	659.8	134	42.2	23.0	3.9	67.6	2.3	26.3	153.8	17.8	0.14	0.09	207.28	14.86
MEX065	747730	8320556	613.8	40.3	28.4	2.0	27.7	8.5	199.1	4.2	706	137.9	43.9	27.9	5.6	64.4	4.4	23.6	241.8	29.0	0.17	0.10	213.89	12.49
MEX066	747672	8320551	484.2	13.9	9.8	1.3	16.0	3.1	178.5	1.8	185.5	137.2	40.6	21.1	2.5	27.2	1.6	5.9	76.9	11.7	0.12	0.03	209.08	17.34
MEX067	747622	8320553	562.7	22.5	12.1	3.2	29.0	4.1	495.8	2.3	132.5	297.6	91.8	41.3	4.1	17.3	1.8	2.9	118.5	13.7	0.20	0.02	458.03	22.50
MEX068	747569	8320547	430	9.3	7.1	1.0	12.3	1.9	235.9	1.4	288.4	142.1	45.2	20.2	2.0	28.5	1.2	11.3	54.6	9.4	0.12	0.04	220.36	18.83
MEX069	747518	8320555	204.9	14.3	11.0	1.2	12.2	3.2	107.4	2.1	296.9	77	24.9	15.0	2.4	32.1	1.8	11.2	91.0	13.5	0.07	0.04	119.90	17.10
MEX070	747463	8320560	166.5	14.6	8.8	1.2	10.1	2.9	56	1.4	177.6	55.3	16.0	10.4	2.1	32.7	1.9	4.4	79.1	11.1	0.05	0.03	83.83	15.86
MEX071	747434	8320558	1607.8	30.2	16.3	3.9	41.3	5.4	881.3	2.8	365.9	456.8	148.7	60.1	5.8	71.8	2.5	7.9	150.7	17.3	0.41	0.05	712.47	17.27
MEX072	747385	8320551	189.1	11.7	7.5	1.4	12.9	2.5	132.5	1.4	205.2	96.5	28.8	16.1	2.1	18.1	1.2	3.9	72.6	8.4	0.07	0.03	147.35	20.98
MEX073	747950	8320487	127.2	8.4	7.2	0.3	4.0	2.0	36.2	1.7	221.6	23.5	7.1	4.5	1.0	29.1	1.1	5.8	59.7	8.9	0.04	0.03	35.99	10.13
MEX074	747919	8320489	222.7	9.1	8.6	0.5	4.0	2.1	52.3	2.1	231.1	30.1	10.0	5.2	1.0	24.8	1.4	5.6	62.5	12.5	0.05	0.03	47.19	9.17
MEX075	747906	8320495	304.7	8.5	6.1	0.6	7.2	1.6	217	1.3	105.1	70.5	24.2	8.8	1.3	18.9	1.1	1.7	52.3	8.6	0.09	0.02	111.47	12.98

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX076	747855	8320490	1239.7	44.5	33.8	2.6	34.7	9.7	389.4	4.7	571.9	217.5	69.1	36.9	6.4	93.1	5.0	10.3	312.5	36.2	0.30	0.08	337.18	11.39
MEX077	747832	8320480	420.4	13.5	8.2	2.1	18.6	2.6	243.7	1.8	158.7	178.4	54.7	26.7	2.7	10.5	1.2	5.0	61.8	11.3	0.13	0.02	274.17	21.81
MEX078	747796	8320491	507	27.3	16.9	2.4	26.4	5.3	439.1	2.6	388.9	230	73.3	34.4	4.5	51.8	2.3	12.2	167.9	16.0	0.19	0.06	356.83	19.12
MEX079	747792	8320494	384.2	25.8	14.2	2.5	27.2	4.9	285.5	2.6	265.7	200.4	60.0	34.6	4.5	42.0	2.0	7.3	140.9	15.0	0.14	0.04	306.24	21.19
MEX080	747748	8320504	600.2	21.6	15.3	1.2	17.8	4.7	290	2.3	433	150.3	50.3	21.9	3.3	72.9	2.4	14.5	129.2	17.9	0.16	0.06	236.08	14.73
MEX081	747690	8320497	1459.1	69.5	28.3	10.7	113.9	11.9	1882.5	4.5	180.5	1164.1	360.3	159.1	14.9	20.5	3.8	2.7	307.8	30.2	**0.67**	0.03	1793.12	26.76
MEX082	747661	8320505	1536.2	63.5	26.4	7.7	92.5	10.7	954.3	3.0	151.4	742.7	214.5	117.2	12.5	24.8	3.1	5.2	269.8	19.9	0.49	0.02	1125.44	23.04
MEX083	747653	8320503	871.5	25.8	14.7	2.8	30.5	5.1	368.2	2.0	354.7	274.2	82.0	40.5	4.6	44.8	1.9	9.3	132.2	13.9	0.23	0.05	418.90	18.60
MEX084	747627	8320503	428	20.8	13.9	1.8	19.3	4.1	205.9	2.5	231.1	137.9	41.4	23.6	3.5	31.9	2.0	5.8	116.6	17.3	0.13	0.03	210.87	16.85
MEX085	747603	8320505	145.7	10.1	7.7	0.5	7.6	2.3	40.3	1.1	174.6	36.5	11.2	8.3	1.5	32.2	1.2	5.1	67.7	8.4	0.04	0.02	56.11	13.22
MEX086	747547	8320504	709	23.6	13.3	4.2	30.9	4.3	388	2.9	240.4	279.9	84.7	44.8	4.5	63.4	2.1	6.5	121.7	16.5	0.21	0.03	428.81	20.63
MEX087	747500	8320502	402.1	17.7	13.2	1.2	12.4	4.2	113.1	2.4	262.7	70.6	22.4	14.0	2.6	55.4	2.2	7.0	111.7	15.0	0.10	0.04	109.41	11.22
MEX088	747460	8320504	193.8	18.6	13.4	1.4	14.2	4.1	55.2	2.8	346.2	61.5	17.7	15.2	2.9	56.8	2.2	8.9	108.3	16.0	0.06	0.05	93.12	14.60
MEX089	747403	8320507	656.7	23.6	10.8	3.0	33.7	4.0	364.3	1.8	130.3	284.1	84.2	46.6	4.5	16.4	1.6	3.4	94.1	11.9	0.19	0.02	433.10	22.22
MEX090	747360	8320520	217.7	11.4	7.1	1.6	13.7	2.2	134.5	1.4	175.1	118.1	34.6	19.6	2.1	27.0	1.0	5.3	63.5	8.3	0.08	0.03	179.56	23.50
MEX091	749258	8320196	428	24.8	23.1	1.1	14.3	6.0	160	5.1	631	83.5	28.8	13.9	3.2	112.0	4.2	26.0	182.0	32.5	0.12	0.09	132.17	10.80
MEX092	749299	8320200	99.7	5.1	4.1	0.3	3.2	1.1	26.3	1.5	157	15.7	5.1	3.2	0.7	10.5	0.9	6.0	32.5	7.5	0.03	0.02	24.50	9.77
MEX093	749352	8320200	200	6.6	6.0	0.3	4.3	1.6	97.7	1.7	218	32.1	11.8	4.3	1.0	13.4	1.1	7.0	43.1	9.2	0.05	0.03	51.64	10.17
MEX094	749393	8320200	188	11.1	7.6	0.7	9.8	2.4	71.4	1.9	175	45.2	13.9	9.6	1.8	30.4	1.5	7.0	65.9	11.5	0.05	0.03	69.54	13.01
MEX095	749449	8320190	460	18.7	10.9	1.8	19.7	3.3	312	2.2	840	171	54.1	26.8	3.1	45.3	2.0	32.0	68.3	14.5	0.14	0.12	264.81	18.90
MEX096	749501	8320202	393	10.6	8.8	0.6	9.5	2.3	186	1.9	2609	107	37.6	13.3	1.6	21.5	1.5	70.0	62.8	11.0	0.10	0.37	170.22	16.67
MEX097	749551	8320199	535	11.1	6.8	1.1	13.0	2.0	245	1.5	1913	146	48.9	19.2	1.9	31.0	1.1	56.0	38.7	8.4	0.13	0.27	229.39	17.66
MEX098	749603	8320157	6182	256.0	163.0	19.1	259.0	50.6	2532	21.0	4183	1433	447.0	294.0	42.2	702.0	25.6	100.0	1348.0	165.0	**1.60**	**0.60**	2211.52	13.84
MEX099	749593	8320161	322	20.1	12.8	1.1	15.5	4.2	167	2.7	443	86.5	27.6	16.2	3.1	56.7	1.8	18.0	118.0	11.2	0.10	0.06	134.23	13.73
MEX100	749557	8320158	113	6.8	7.0	0.3	4.2	1.8	65.1	1.6	415	27.7	9.9	4.3	0.9	36.4	1.4	18.0	41.7	10.1	0.04	0.06	44.32	12.44
MEX101	749518	8320172	147	5.6	5.2	0.3	4.0	1.3	66.9	1.5	654	36.8	12.9	4.5	0.8	10.5	1.0	20.0	35.7	7.3	0.04	0.09	58.49	14.66
MEX102	749496	8320148	142	2.9	2.4	0.3	2.4	0.7	38.3	0.7	176	17	5.8	2.9	0.5	8.6	0.5	7.0	15.5	3.6	0.03	0.03	26.87	9.42
MEX103	749446	8320146	520	43.7	46.1	1.6	21.0	12.0	252	5.6	785	137	48.1	22.3	4.9	78.2	7.3	35.0	244.0	43.2	0.17	0.11	217.85	12.81
MEX104	749408	8320149	121	4.4	3.4	0.3	3.6	1.0	60.5	0.8	610	33.5	11.6	4.6	0.7	13.1	0.6	22.0	24.3	4.5	0.03	0.09	53.08	16.04
MEX105	749380	8320143	92.4	5.9	5.0	0.3	4.0	1.3	66	1.4	241	26.4	9.1	3.7	0.7	13.2	0.9	8.0	39.6	7.0	0.03	0.03	41.76	13.15
MEX106	749333	8320140	153	15.5	10.8	0.7	12.3	3.3	71.3	2.1	316	54.1	15.9	10.8	2.3	38.5	1.7	10.0	114.0	12.4	0.06	0.05	82.32	14.16
MEX107	749289	8320153	215	16.5	12.8	1.0	12.1	3.7	156	2.9	540	83	27.8	13.0	2.3	58.7	2.2	18.0	103.0	16.6	0.08	0.08	130.41	16.23
MEX108	749264	8320141	334	32.1	20.0	2.2	31.9	6.5	194	3.3	555	142	40.3	30.4	5.2	45.0	3.1	19.0	208.0	21.5	0.13	0.08	214.32	16.54
MEX109	749241	8320155	334	29.8	23.6	1.0	15.5	6.9	157	4.0	1020	78.6	26.9	13.0	3.6	30.5	3.8	36.0	228.0	26.5	0.12	0.15	124.17	10.75
MEX110	749698	8320099	592	38.8	21.9	3.7	47.8	6.9	389	3.9	901	274	80.2	54.2	7.1	114.0	3.6	27.0	164.0	24.5	0.21	0.13	416.49	20.29
MEX111	749652	8320098	532	19.2	12.9	1.7	21.0	3.8	241	2.5	1105	150	47.9	26.0	3.2	45.7	2.2	36.0	109.0	14.8	0.14	0.16	232.87	16.27
MEX112	749605	8320099	332	15.2	11.3	0.9	12.6	3.3	132	2.2	806	72.3	23.5	12.1	2.3	30.0	1.9	23.0	112.0	13.7	0.09	0.12	112.76	12.47

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX113	749551	8320105	148	7.2	4.9	0.5	6.2	1.5	71	0.9	373	36.4	12.2	6.0	1.1	17.0	0.7	12.0	44.7	5.3	0.04	0.05	57.14	13.66
MEX114	749501	8320097	260	12.1	9.8	0.5	7.0	2.7	66.2	1.7	288	36.5	12.6	6.5	1.6	18.9	1.6	11.0	78.2	11.3	0.06	0.04	57.77	9.36
MEX116	749451	8320093	170	28.2	30.4	0.7	11.1	7.9	68.9	5.4	563	43.2	14.4	9.5	3.1	75.6	5.5	23.0	211.0	36.2	0.08	0.08	67.79	8.65
MEX117	749351	8320096	327	22.0	15.8	1.1	16.5	4.8	166	2.9	505	90.3	28.6	15.2	3.1	42.9	2.5	17.0	177.0	17.8	0.11	0.07	139.82	12.97
MEX118	749300	8320093	372	35.0	19.1	2.4	37.0	6.7	263	2.9	412	180	51.3	32.2	5.9	33.2	2.7	12.0	251.0	17.7	0.15	0.06	271.96	17.64
MEX119	749249	8320095	354	13.7	12.4	0.9	8.8	3.4	143	1.8	469	72.6	25.8	10.8	1.6	70.6	2.0	17.0	91.5	12.8	0.09	0.07	115.82	12.69
MEX120	749204	8320098	215	10.1	7.8	0.5	6.1	2.3	74.8	1.8	373	41.1	13.9	6.3	1.3	57.9	1.3	13.0	68.0	9.6	0.06	0.05	64.72	11.62
MEX121	749204	8320049	127	13.4	13.2	0.4	6.3	3.6	72.1	2.4	425	40.6	13.7	6.1	1.6	42.4	2.3	16.0	96.1	15.8	0.05	0.06	63.85	12.74
MEX122	749250	8320049	251	27.3	16.6	2.7	33.4	5.2	381	3.1	376	224	70.2	37.4	4.8	38.6	2.6	13.0	201.0	18.8	0.15	0.05	346.11	22.60
MEX123	749304	8320049	133	8.5	6.8	0.5	6.2	1.9	71.5	2.0	784	37.9	12.3	6.7	1.2	43.0	1.4	25.0	47.3	10.4	0.04	0.11	59.12	14.12
MEX124	749340	8320053	136	6.6	5.7	0.2	3.6	1.6	21.9	1.4	311	14.7	4.5	3.1	0.8	32.6	1.1	8.0	44.7	7.9	0.03	0.04	22.57	7.31
MEX125	749410	8320031	275	17.1	14.3	1.0	14.6	4.0	183	3.5	589	94.7	30.5	14.6	2.5	37.3	2.6	17.0	131.0	19.9	0.10	0.08	147.25	15.12
MEX126	749452	8320048	73.7	3.9	2.1	0.3	4.2	0.7	52.1	0.6	147	26.5	8.2	4.4	0.7	8.4	0.4	7.0	19.6	2.6	0.02	0.02	40.85	17.01
MEX127	749500	8320040	344	56.1	34.6	5.6	64.9	10.7	437	5.2	691	316	91.8	70.6	9.9	79.5	5.4	27.0	318.0	36.4	0.22	0.10	479.43	22.17
MEX128	749544	8320039	192	22.5	11.1	2.9	34.4	3.7	207	1.7	264	180	51.4	43.0	4.6	34.8	1.9	10.0	103.0	11.6	0.10	0.04	272.05	26.17
MEX129	749578	8320026	355	7.5	3.8	0.7	10.3	1.3	183	1.0	2111	102	36.0	13.0	1.5	13.2	0.7	60.0	42.6	4.8	0.09	0.30	162.52	17.69
MEX130	749651	8320050	309	27.5	16.0	1.8	27.1	5.3	151	2.4	391	103	30.1	23.7	4.5	68.4	2.5	15.0	147.0	15.9	0.10	0.06	156.54	14.97
MEX131	749695	8320050	301	15.2	10.5	1.2	14.3	3.2	148	2.3	287	90.3	29.1	17.0	2.5	45.9	1.9	8.0	96.8	13.7	0.09	0.04	140.50	15.60
MEX132	749695	8320050	67.5	7.8	8.7	0.3	4.6	2.1	22	2.9	131	18.6	5.7	4.1	1.0	14.5	1.8	5.0	71.1	15.3	0.03	0.02	28.62	10.11
MEX133	749748	8320048	887	21.2	15.0	1.8	27.2	4.2	459	3.3	2578	246	82.6	34.6	3.7	42.5	2.7	95.0	128.0	20.1	0.23	0.37	386.76	16.59
MEX134	749793	8320043	280	36.5	25.1	1.5	29.2	7.8	129	3.4	456	121	32.9	26.2	5.3	77.9	3.8	13.0	227.0	24.5	0.12	0.07	180.84	15.70
MEX135	749802	8320001	929	99.1	73.5	4.1	71.1	22.0	402	10.9	1974	304	87.9	61.7	13.5	263.0	11.6	67.0	667.0	75.9	0.34	0.28	460.80	13.44
MEX136	749777	8319994	433	33.3	19.3	1.9	35.6	6.5	336	2.9	398	205	60.8	33.5	5.4	29.0	2.8	14.0	239.0	18.0	0.17	0.06	312.51	18.12
MEX137	749741	8320003	1351	138.0	88.7	6.5	113.0	28.1	667	12.3	2622	501	148.0	106.0	21.1	583.0	13.9	87.0	717.0	89.9	0.48	0.38	763.18	15.82
MEX138	749706	8320006	604	24.8	20.1	1.2	17.0	5.7	274	3.2	918	140	48.3	19.0	3.3	71.5	3.3	37.0	143.0	21.9	0.16	0.13	221.65	13.82
MEX139	749685	8320007	334	23.4	16.7	1.1	16.5	5.1	161	3.7	358	90.7	28.7	15.8	3.3	59.2	3.1	12.0	117.0	23.0	0.10	0.05	140.48	13.82
MEX141	749645	8319999	9594	740.0	542.0	33.5	522.0	167.0	4686	50.8	5245	2768	775.0	507.0	102.0	>1000	78.1	280.0	5622.0	446.0	**3.22**	**0.75**	4164.95	12.92
MEX142	749593	8320007	191	12.6	10.4	0.6	7.4	2.9	64.1	1.8	249	42.6	12.6	7.2	1.6	74.9	1.6	8.0	77.3	10.9	0.05	0.04	64.94	12.06
MEX143	749541	8320003	76.4	6.9	6.9	0.3	4.0	1.8	51.4	2.2	124	21.9	6.8	3.6	0.8	31.2	1.3	4.0	50.5	9.8	0.03	0.02	33.80	11.46
MEX144	749502	8320005	186	27.9	23.3	0.7	12.9	6.8	66.7	3.8	205	44.5	12.6	8.2	3.4	81.4	3.7	12.0	210.0	25.2	0.08	0.03	67.15	8.68
MEX145	749417	8320009	181	13.5	8.7	0.9	12.4	2.8	133	1.9	233	84.2	23.5	13.1	2.1	35.0	1.4	7.0	92.0	9.8	0.07	0.03	126.65	18.13
MEX146	749403	8320005	327	16.7	10.2	1.1	18.3	3.3	233	1.8	216	135	36.9	18.2	2.7	24.6	1.5	8.0	116.0	10.6	0.11	0.03	202.01	18.02
MEX147	749339	8319998	208	43.9	39.1	1.1	20.2	11.3	125	4.8	476	76.5	22.4	15.6	5.0	73.0	5.7	18.0	424.0	34.6	0.13	0.07	116.28	9.19
MEX148	749303	8319993	377	15.7	11.2	1.4	16.5	3.3	258	2.4	413	143	41.8	20.6	2.6	53.0	2.1	17.0	92.0	15.0	0.12	0.06	217.32	18.05
MEX149	749249	8319993	318	19.4	10.2	1.9	24.6	3.6	223	1.7	204	164	44.9	25.1	3.7	25.8	1.6	7.0	123.0	10.3	0.12	0.03	245.53	20.96
MEX150	749199	8320003	118	11.9	9.6	0.7	8.7	2.8	94.3	2.0	229	58.4	16.9	8.8	1.6	34.9	1.6	8.0	94.9	10.9	0.05	0.03	88.57	16.65
MEX151	749203	8319945	343	23.9	13.5	1.8	26.5	4.6	252	2.2	223	169	45.0	26.2	4.1	29.3	1.9	8.0	175.0	13.0	0.13	0.03	251.50	18.97

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX152	749250	8319949	399	19.4	13.1	1.2	19.8	3.8	358	3.0	1153	193	58.0	24.3	3.1	59.4	2.3	49.0	125.0	16.6	0.15	0.16	295.18	19.86
MEX153	749302	8319948	222	16.1	11.9	0.9	12.4	3.5	82.7	3.2	219	67.9	17.9	11.2	2.3	31.6	2.0	7.0	127.0	14.4	0.07	0.03	100.81	13.98
MEX154	749344	8319945	274	10.4	7.5	0.8	9.1	2.2	140	1.4	985	72.1	24.3	9.7	1.6	57.3	1.3	28.0	73.3	7.6	0.08	0.14	113.44	14.80
MEX155	749401	8319950	274	6.8	5.4	0.4	5.7	1.4	180	1.4	188	58.5	19.3	6.5	1.0	20.9	0.9	6.0	48.0	6.7	0.07	0.03	91.58	12.34
MEX156	749447	8319946	238	12.2	9.8	0.6	8.3	2.9	144	2.1	298	68	20.6	9.2	1.6	149.0	1.7	12.0	86.0	12.3	0.07	0.04	104.22	14.00
MEX157	749499	8319948	246	12.1	10.6	0.5	6.9	3.0	92.5	2.2	339	40.9	12.8	5.8	1.5	33.0	1.9	12.0	99.2	13.2	0.07	0.05	63.22	9.49
MEX158	749546	8319948	159	18.1	18.0	0.5	8.1	4.9	113	3.3	541	50.5	16.1	7.0	2.1	48.7	3.1	21.0	157.0	22.2	0.07	0.08	78.31	11.10
MEX159	749600	8319950	622	16.7	8.7	1.6	23.5	2.7	403	1.8	491	220	65.7	28.1	3.2	45.1	1.4	13.0	104.0	10.1	0.18	0.07	336.00	18.49
MEX160	749649	8319951	63.2	3.0	3.2	0.2	1.9	0.8	21.9	1.2	172	15.1	4.1	2.2	0.4	21.5	0.7	5.0	26.2	5.2	0.02	0.02	22.61	12.52
MEX161	749701	8319947	303	21.1	13.1	1.1	15.7	4.0	173	2.4	1073	109	33.6	16.7	3.0	32.9	2.0	33.0	132.0	14.7	0.10	0.15	167.72	16.47
MEX162	749750	8319952	407	22.1	22.0	1.0	15.1	5.5	152	4.7	932	100	28.4	15.9	3.0	46.6	4.0	30.0	180.0	29.7	0.12	0.13	150.94	12.59
MEX163	749800	8319949	248	23.8	16.0	1.0	20.3	5.1	139	2.6	370	107	28.7	18.3	3.6	53.5	2.5	10.0	171.0	16.4	0.10	0.05	159.48	16.44
MEX164	749845	8319949	215	25.1	18.6	1.1	20.9	5.5	137	3.2	341	104	27.7	18.9	3.7	20.9	3.0	10.0	175.0	20.9	0.09	0.05	154.72	16.45
MEX166	749198	8319899	472	25.4	15.4	1.3	26.2	5.0	318	2.5	384	180	50.8	26.2	4.3	64.6	2.5	10.0	189.0	16.4	0.16	0.05	271.32	16.87
MEX167	749246	8319901	140	10.5	8.6	0.6	7.9	2.4	121	1.8	235	63.1	18.5	8.8	1.5	25.3	1.6	8.0	78.1	11.5	0.06	0.03	95.94	16.76
MEX168	749292	8319896	250	14.1	11.2	0.6	10.2	3.4	173	2.4	319	75.3	23.6	9.8	2.1	39.4	1.9	10.0	109.0	14.0	0.08	0.05	116.28	13.77
MEX169	749348	8319897	33.9	2.0	2.1	0.1	2.1	0.5	26.9	1.2	53	18	4.8	2.5	0.3	3.5	0.5	1.0	18.0	5.1	0.01	0.01	26.76	18.90
MEX170	749362	8319895	221	11.9	7.6	0.8	11.6	2.4	148	1.8	146	77.3	21.9	11.4	1.9	23.1	1.3	4.0	81.9	10.2	0.07	0.02	116.61	15.85
MEX171	749403	8319884	75	5.6	4.7	0.3	4.1	1.3	37.8	1.4	64	24.1	6.7	4.1	0.8	16.2	0.9	3.0	39.6	7.2	0.03	0.01	36.22	14.06
MEX172	749445	8319895	160	6.1	4.7	0.4	4.9	1.3	103	1.2	145	40.7	12.5	5.0	0.9	18.2	0.8	5.0	45.1	6.4	0.05	0.02	62.59	13.22
MEX173	749495	8319901	306	5.7	4.8	0.4	5.0	1.3	149	1.2	250	54.1	17.4	6.1	0.9	23.1	0.9	7.0	38.2	6.7	0.07	0.04	84.10	11.66
MEX174	749548	8319901	145	5.5	3.6	0.4	5.6	1.1	107	0.9	116	45.2	13.7	6.2	0.9	18.8	0.7	4.0	38.6	5.2	0.05	0.02	69.21	15.17
MEX175	749605	8319892	239	10.2	6.5	0.7	9.7	1.9	110	1.3	1281	73.9	22.8	11.4	1.7	30.8	1.0	60.0	61.8	7.8	0.07	0.18	113.70	16.85
MEX176	749648	8319898	119	3.3	2.6	0.3	3.3	0.7	42.7	1.0	310	29.7	8.6	4.2	0.6	8.3	0.5	10.0	19.6	4.7	0.03	0.04	44.97	15.48
MEX177	749709	8319897	523	30.8	20.1	1.7	27.0	6.4	329	2.9	592	162	47.6	25.6	4.7	48.5	3.0	19.0	200.0	19.2	0.17	0.08	246.42	14.57
MEX178	749753	8319903	463	31.0	22.1	2.3	30.2	6.5	392	3.3	709	237	68.1	35.9	4.8	85.9	3.6	23.0	186.0	23.9	0.18	0.10	358.65	19.80
MEX179	749811	8319896	331	11.7	7.0	0.8	11.0	2.2	193	1.7	1367	100	33.7	13.4	1.7	24.9	1.3	52.0	73.4	9.4	0.10	0.20	157.34	16.52
MEX180	749851	8319898	399	25.1	15.4	1.3	24.4	5.0	195	2.8	441	148	40.6	24.8	4.1	37.6	2.4	20.0	153.0	16.6	0.13	0.06	221.62	17.38
MEX181	749899	8319897	391	12.8	8.2	0.8	15.3	2.4	228	1.9	804	145	42.0	20.7	2.2	58.7	1.4	48.0	64.0	10.5	0.11	0.12	219.91	19.35
MEX182	749948	8319849	476	37.1	16.6	4.1	52.5	6.2	519	2.1	149	369	97.8	54.5	7.0	19.0	2.2	5.0	196.0	14.4	0.22	0.02	548.50	24.74
MEX183	749926	8319847	201	11.8	7.0	2.4	13.5	2.3	132	1.1	172	84	23.0	13.0	2.0	22.3	1.1	5.0	79.7	7.0	0.07	0.02	125.75	17.99
MEX184	749891	8319837	19.7	0.9	0.5	0.7	0.9	0.2	14.3	0.1	23	7.7	2.0	1.2	0.1	2.0	0.1	1.0	9.4	0.3	0.01	0.00	11.45	16.29
MEX185	749853	8319848	449	16.2	15.8	0.9	13.9	3.9	207	3.7	1551	128	41.4	15.8	2.4	28.5	3.0	56.0	135.0	23.0	0.13	0.22	199.32	15.59
MEX186	749811	8319849	272	17.1	12.5	1.0	16.1	3.5	156	2.6	383	113	30.4	18.0	2.7	42.5	2.3	17.0	95.5	16.5	0.09	0.05	168.53	18.46
MEX187	749740	8319849	1127	20.6	14.8	1.2	19.7	4.4	781	3.0	910	217	75.2	21.5	3.3	112.0	2.5	41.0	142.0	18.6	0.30	0.13	343.92	11.66
MEX188	749707	8319847	400	13.1	11.5	0.6	10.0	3.1	162	2.6	274	88.1	27.7	11.6	1.9	55.3	2.0	9.0	79.6	14.7	0.10	0.04	136.25	13.62
MEX189	749654	8319845	403	11.6	6.9	0.7	10.7	2.3	199	1.5	1726	109	35.2	13.1	1.8	30.6	1.1	70.0	66.5	8.5	0.10	0.25	169.61	16.16

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX191	749608	8319852	245	13.2	11.0	0.6	11.3	3.0	135	2.5	387	78.4	26.2	12.5	1.9	40.9	2.0	17.0	76.0	14.5	0.08	0.06	123.05	16.15
MEX192	749550	8319846	659	26.7	22.2	1.3	18.3	6.1	282	4.3	2917	158	55.4	20.7	3.6	50.9	3.9	97.0	197.0	27.7	0.18	0.42	251.18	13.98
MEX193	749495	8319842	151	5.7	5.1	0.2	2.9	1.4	93.6	1.4	152	24.7	9.4	2.9	0.7	18.8	0.9	6.0	43.3	7.0	0.04	0.02	40.16	9.50
MEX194	749458	8319839	206	17.6	12.0	0.8	13.9	3.6	118	2.1	262	74.7	23.0	14.4	2.6	50.6	1.8	11.0	108.0	13.4	0.07	0.04	114.86	15.57
MEX195	749430	8319838	98.7	6.5	5.7	0.2	3.4	1.6	66.3	1.4	158	24.1	8.5	2.7	0.8	22.7	1.1	6.0	44.1	7.8	0.03	0.02	38.42	11.67
MEX196	749398	8319834	85.9	4.2	4.5	0.2	2.5	1.2	44.4	1.4	206	18.2	6.5	2.5	0.5	26.5	1.0	7.0	32.1	7.2	0.03	0.03	29.12	11.36
MEX197	749349	8319847	390	9.2	5.8	0.6	11.0	1.8	222	1.4	147	101	33.6	13.8	1.7	18.7	0.9	4.0	57.4	6.6	0.10	0.02	158.44	15.36
MEX198	749295	8319851	195	10.6	6.9	0.7	12.3	2.1	131	1.7	147	85.7	25.0	13.9	1.7	14.2	1.2	5.0	77.4	9.0	0.07	0.02	130.18	18.85
MEX199	749241	8319842	286	36.3	17.8	3.5	53.8	6.4	522	2.7	198	361	99.2	57.9	6.9	16.9	2.5	7.0	280.0	16.1	0.21	0.03	540.89	25.82
MEX200	749203	8319838	113	9.0	8.3	0.3	4.8	2.2	58.8	2.6	311	35.8	11.7	5.3	1.2	27.6	1.6	11.0	68.8	13.5	0.04	0.04	55.83	13.72
MEX201	749201	8319802	192	13.9	9.0	1.2	16.7	2.5	180	2.5	300	125	39.7	21.0	2.3	28.2	1.6	10.0	88.0	13.3	0.08	0.04	193.72	22.82
MEX202	749250	8319797	463	41.2	18.4	3.9	57.0	7.0	491	2.4	229	362	104.0	62.1	7.7	26.4	2.4	8.0	247.0	15.7	0.23	0.03	547.89	24.27
MEX203	749300	8319801	261	15.9	8.3	1.4	19.7	2.9	181	1.3	142	129	37.4	22.1	2.8	13.7	1.2	5.0	96.4	8.1	0.09	0.02	195.63	20.65
MEX204	749344	8319796	349	10.2	6.9	0.6	10.7	2.1	142	1.5	180	76.7	24.3	11.8	1.6	27.2	1.2	6.0	60.7	9.2	0.09	0.03	118.81	13.89
MEX205	749399	8319800	358	23.0	14.6	1.3	24.4	4.6	268	3.0	423	171	53.9	28.2	3.7	47.3	2.5	14.0	138.0	17.9	0.13	0.06	264.55	19.81
MEX206	749450	8319803	365	13.4	11.3	0.6	8.6	3.1	84.7	2.9	319	52.1	16.6	9.6	1.9	59.0	2.0	9.0	83.2	15.6	0.08	0.05	80.80	9.94
MEX207	749502	8319802	92.9	1.7	1.4	0.1	1.3	0.4	51.6	0.7	67	15	5.2	1.6	0.2	8.6	0.4	2.0	12.2	2.9	0.02	0.01	23.80	10.52
MEX208	749544	8319798	87.6	5.3	4.0	0.2	3.2	1.2	30.5	0.9	96	15.4	4.8	2.5	0.7	8.4	0.7	3.0	44.6	5.2	0.03	0.01	23.70	9.44
MEX209	749600	8319799	482	4.6	4.2	0.2	3.1	1.1	54.5	1.2	377	22.4	8.6	3.4	0.7	22.0	0.7	11.0	41.2	5.9	0.08	0.05	36.51	4.72
MEX210	749646	8319799	211	11.7	8.1	0.5	9.4	2.4	75.8	1.9	223	53.4	17.1	10.0	1.7	27.2	1.4	5.0	69.6	11.1	0.06	0.03	82.99	14.16
MEX211	749698	8319798	512	28.8	16.8	2.5	36.6	5.4	536	3.1	914	325	104.0	46.7	5.1	103.0	2.7	31.0	171.0	20.1	0.22	0.13	504.73	23.23
MEX212	749750	8319800	301	16.2	11.6	0.8	13.1	3.6	133	1.9	688	76.6	24.4	12.9	2.2	42.1	1.8	25.0	120.0	12.1	0.09	0.10	118.81	13.43
MEX213	749794	8319794	309	39.5	17.4	4.8	64.2	6.5	845	3.1	278	514	159.0	79.2	7.9	23.0	2.5	9.0	289.0	18.5	0.28	0.04	791.63	28.17
MEX214	749856	8319794	688	19.8	11.4	1.5	24.7	3.7	385	1.7	4272	230	78.2	31.4	3.5	35.5	1.7	122.0	103.0	11.2	0.19	**0.61**	362.74	18.92
MEX216	749904	8319800	161	5.1	3.1	0.3	5.4	1.0	84.7	0.8	829	50.3	17.1	6.5	0.8	10.1	0.6	31.0	32.9	4.0	0.04	0.12	79.31	17.63
MEX217	749945	8319800	204	10.5	7.4	0.7	10.2	2.3	123	1.4	466	73.7	23.7	11.2	1.6	43.0	1.2	17.0	70.9	9.0	0.07	0.07	114.63	17.28
MEX218	750002	8319803	372	26.0	17.2	1.6	23.2	5.2	190	2.9	348	136	40.9	24.9	3.9	78.0	2.6	8.0	176.0	18.2	0.13	0.05	208.02	16.56
MEX219	749251	8319745	343	17.3	9.4	1.4	21.6	3.3	167	1.4	190	119	33.8	21.4	3.1	21.6	1.3	7.0	118.0	9.0	0.10	0.03	179.68	17.12
MEX220	749302	8319752	330	13.6	7.4	1.3	17.5	2.6	242	1.3	160	135	43.6	18.4	2.4	21.0	1.2	5.0	98.0	7.8	0.11	0.02	210.15	18.96
MEX221	749363	8319754	47.8	1.9	2.0	0.2	2.1	0.5	14	1.1	58	13.7	3.7	2.6	0.3	2.4	0.4	1.0	14.2	4.6	0.01	0.01	20.47	15.56
MEX222	749394	8319752	158	6.6	5.8	0.2	3.6	1.5	49.1	1.6	145	17.9	6.2	3.3	0.8	19.8	1.0	6.0	59.3	7.7	0.04	0.02	28.39	7.24
MEX223	749452	8319745	434	19.2	11.7	1.2	22.1	3.6	261	2.6	366	158	49.3	24.9	3.3	37.1	2.0	11.0	121.0	14.4	0.14	0.05	243.87	17.97
MEX224	749495	8319747	88.2	8.4	8.1	0.2	4.0	2.1	56.8	1.8	290	26.1	8.8	3.4	0.9	23.5	1.4	10.0	78.7	10.4	0.04	0.04	41.06	11.33
MEX225	749552	8319749	128	4.2	3.2	0.3	4.1	0.9	90.9	1.0	54	36.6	12.7	5.0	0.7	7.6	0.6	1.0	28.9	4.9	0.04	0.01	57.99	14.98
MEX226	749600	8319750	71.7	6.4	4.9	0.2	3.7	1.4	17.3	1.3	168	12.6	3.8	2.8	0.8	13.0	0.8	5.0	51.5	6.6	0.02	0.02	19.23	8.50
MEX227	749650	8319750	95.3	8.5	5.6	0.5	7.7	1.8	77.7	1.3	151	46.8	14.6	8.1	1.3	10.9	1.0	5.0	63.9	6.9	0.04	0.02	72.18	17.58
MEX228	749700	8319750	428	32.5	17.2	2.7	41.4	6.1	358	2.6	288	235	66.0	39.3	5.9	29.3	2.4	9.0	217.0	16.1	0.18	0.04	353.89	20.04

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX229	749750	8319750	798	26.4	14.9	2.1	32.6	5.1	471	2.4	306	251	77.9	33.9	4.5	34.2	2.1	9.0	186.0	14.2	0.23	0.04	386.85	16.71
MEX230	749800	8319750	235	7.0	5.0	0.5	6.9	1.4	91.4	1.3	1733	69.6	22.0	9.6	1.1	25.4	0.9	59.0	44.4	7.1	0.06	0.25	107.75	17.76
MEX231	749850	8319750	178	18.1	13.3	0.7	12.5	3.8	75.9	1.9	225	54.4	15.9	11.1	2.6	73.0	2.1	9.0	106.0	14.2	0.06	0.03	82.64	13.39
MEX232	749900	8319750	361	18.1	12.8	1.3	19.7	3.8	190	2.6	763	128	38.9	20.8	2.9	57.3	2.2	24.0	121.0	15.5	0.11	0.11	196.27	17.36
MEX233	749947	8319753	717	36.3	19.4	2.4	46.3	6.5	607	3.2	489	355	108.0	51.2	6.3	71.9	3.0	18.0	230.0	21.0	0.27	0.07	544.56	20.52
MEX234	750000	8319750	273	6.7	4.1	0.6	9.7	1.2	149	0.9	1071	93	30.1	12.6	1.2	24.9	0.8	37.0	34.6	5.9	0.07	0.15	144.89	19.34
MEX235	749305	8319699	616	29.8	14.6	2.7	39.7	5.2	480	2.1	280	289	87.5	43.0	5.6	31.7	2.1	9.0	175.0	13.8	0.22	0.04	442.80	20.43
MEX236	749350	8319695	189	22.0	9.3	2.8	31.6	3.4	311	1.4	196	259	81.0	43.8	4.3	16.9	1.3	5.0	93.8	9.7	0.13	0.03	399.93	31.61
MEX237	749400	8319704	608	44.9	18.8	4.5	68.6	7.2	803	2.3	218	507	152.0	75.9	8.7	27.1	2.4	7.0	246.0	16.0	0.31	0.03	775.01	25.30
MEX238	749450	8319701	420	29.9	10.8	3.7	46.8	4.3	652	1.5	161	427	136.0	63.3	6.1	15.2	1.5	5.0	129.0	9.9	0.23	0.02	662.37	28.65
MEX239	749500	8319706	58.4	4.5	3.8	0.2	3.0	1.1	22.6	1.2	132	14.9	4.9	2.9	0.6	17.7	0.7	4.0	31.5	6.1	0.02	0.02	23.32	12.33
MEX241	749544	8319695	220	12.0	8.1	0.7	10.5	2.6	69.1	2.0	211	50.3	15.3	9.4	2.0	31.4	1.4	8.0	72.4	10.7	0.06	0.03	77.14	13.11
MEX242	749600	8319700	182	22.0	12.3	1.7	23.4	4.3	204	2.2	168	135	40.7	21.1	3.6	21.1	1.9	6.0	150.0	12.9	0.10	0.02	206.59	21.06
MEX243	749650	8319700	168	21.3	12.1	1.7	21.7	4.1	194	2.1	176	124	38.2	19.9	3.4	21.5	1.8	6.0	146.0	12.2	0.09	0.03	190.75	20.62
MEX244	749700	8319700	90	8.6	6.5	0.5	7.3	1.8	59	2.0	126	43.3	13.4	8.0	1.3	15.2	1.2	3.0	54.2	9.7	0.04	0.02	66.74	18.08
MEX245	749750	8319700	1023	29.7	19.0	1.7	32.1	5.8	499	3.6	790	280	90.1	38.6	4.8	102.0	3.3	27.0	190.0	23.0	0.27	0.11	435.50	16.10
MEX246	749800	8319700	2509	44.1	21.3	4.1	57.9	7.5	1532	2.2	505	532	190.0	68.9	8.3	179.0	2.9	17.0	246.0	16.3	**0.63**	0.07	850.08	13.47
MEX247	749850	8319700	470	24.2	17.7	1.1	23.2	5.1	222	3.3	679	143	44.9	24.0	3.7	82.7	2.9	29.0	159.0	21.2	0.14	0.10	221.02	15.72
MEX248	749900	8319700	2234	42.9	25.5	3.3	59.4	8.2	917	6.0	2246	533	174.0	74.7	8.6	83.4	4.5	99.0	223.0	34.8	**0.52**	0.32	831.92	15.87
MEX249	749950	8319700	814	12.9	6.3	1.3	17.2	2.1	354	1.4	4409	210	75.1	25.6	2.4	28.4	1.0	122.0	57.2	7.5	0.19	**0.63**	335.68	17.55
MEX250	750000	8319700	918	46.0	32.6	2.1	42.9	9.7	438	6.3	1206	282	88.9	44.6	7.2	138.0	5.5	54.0	303.0	40.3	0.27	0.17	436.37	15.96
MEX251	750050	8319700	867	20.8	14.9	1.4	22.7	4.3	426	3.6	3097	214	74.9	26.8	3.5	41.3	2.6	75.0	137.0	20.1	0.22	0.44	340.09	15.34
MEX252	749351	8319661	355	46.0	23.2	4.2	62.0	8.5	429	3.2	258	315	85.9	54.5	8.3	26.1	3.1	7.0	324.0	20.1	0.21	0.04	471.25	22.54
MEX253	749400	8319653	760	13.8	6.0	1.5	22.4	2.1	411	1.5	99	211	69.7	27.0	2.8	10.8	0.9	1.0	69.0	7.8	0.19	0.01	330.30	17.09
MEX254	749450	8319652	860	21.1	15.7	1.4	22.8	4.3	422	3.5	2891	212	74.6	27.1	3.7	34.0	2.6	74.0	136.0	19.7	0.22	0.41	337.42	15.33
MEX255	749500	8319654	135	6.0	5.7	0.3	3.8	1.6	65.6	1.4	164	23.8	8.5	3.8	0.8	32.7	1.0	5.0	47.3	7.5	0.04	0.02	37.99	10.07
MEX256	749550	8319650	1228	40.1	22.6	2.9	42.5	7.6	452	3.4	547	290	91.6	44.7	6.6	67.6	3.4	19.0	233.0	22.4	0.30	0.08	448.92	14.92
MEX257	749600	8319650	597	6.6	4.3	0.7	9.8	1.1	364	1.8	409	146	53.4	13.6	1.3	13.4	0.9	12.0	34.4	9.0	0.15	0.06	234.81	15.71
MEX258	749650	8319650	2.3	0.0	0.0	0.0	0.1	0.0	1.2	0.1	68	0.7	0.2	0.2	0.0	1.4	0.0	3.0	4.0	0.1	0.00	0.01	1.07	9.74
MEX259	749700	8319650	361	11.8	6.4	1.0	15.7	2.3	306	1.4	680	125	42.5	16.2	2.1	36.7	1.0	23.0	67.9	7.6	0.12	0.10	197.20	16.98
MEX260	749750	8319650	340	7.9	5.8	0.6	8.0	1.5	137	1.5	1371	83.1	29.4	11.2	1.3	32.5	1.1	58.0	34.7	8.7	0.08	0.20	132.47	16.36
MEX261	749797	8319647	300	6.4	4.2	0.5	6.9	1.2	122	1.4	1020	69.2	23.7	8.8	1.0	25.0	0.9	34.0	29.6	7.3	0.07	0.15	109.37	15.56
MEX262	749850	8319650	154	3.1	2.8	0.2	2.8	0.8	56.9	0.9	229	21.8	8.1	3.1	0.5	11.3	0.5	7.0	25.2	3.7	0.03	0.03	35.19	10.23
MEX263	749900	8319650	1351	70.8	44.5	4.4	68.3	14.5	582	6.6	1307	380	116.0	71.7	11.7	191.0	7.1	48.0	422.0	47.1	0.39	0.19	583.38	15.11
MEX264	749950	8319650	1199	140.0	122.0	6.9	110.0	32.9	610	20.9	2500	505	152.0	110.0	19.7	823.0	20.5	56.0	888.0	147.0	0.49	0.36	772.68	15.68
MEX266	750000	8319650	472	47.4	41.7	1.4	26.2	11.3	133	12.5	1021	85.1	28.7	18.0	5.8	37.6	8.6	33.0	401.0	76.1	0.17	0.15	133.90	8.05
MEX267	750050	8319650	480	19.5	15.2	1.5	21.7	4.3	298	3.7	1019	158	51.5	22.0	3.3	28.9	2.7	26.0	154.0	21.1	0.15	0.15	246.45	16.29

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX268	750100	8319650	389	22.4	23.5	1.4	20.2	5.7	234	6.7	1884	146	48.4	20.8	3.1	17.8	4.7	49.0	227.0	38.1	0.14	0.27	228.77	15.92
MEX269	749400	8319606	500	19.9	15.9	1.5	22.5	4.5	311	3.8	1034	166	53.5	23.1	3.4	26.1	2.9	28.0	152.0	22.2	0.16	0.15	258.25	16.47
MEX270	749450	8319608	1186	135.0	45.6	17.8	253.0	19.1	3089	6.5	766	2044	622.0	311.0	30.1	53.2	6.0	28.0	693.0	41.9	**1.01**	0.11	3135.62	31.06
MEX271	749500	8319603	77.4	5.5	4.5	0.3	4.8	1.2	38.4	1.4	137	26.4	8.2	4.7	0.8	16.8	0.9	4.0	42.9	6.6	0.03	0.02	40.68	15.04
MEX272	749550	8319600	488	12.3	7.9	0.9	14.4	2.4	321	1.9	389	137	48.5	16.6	2.1	28.2	1.4	14.0	75.9	10.4	0.14	0.06	218.43	15.93
MEX273	749600	8319600	127	8.9	7.2	0.4	5.8	2.0	31.9	2.5	144	22	7.0	4.8	1.3	15.9	1.3	5.0	63.7	9.7	0.04	0.02	34.12	9.51
MEX274	749650	8319600	144	3.2	2.7	0.3	3.7	0.6	53.4	1.1	134	30.1	9.9	4.3	0.5	6.4	0.5	5.0	20.1	5.2	0.03	0.02	47.06	13.94
MEX275	749700	8319600	347	13.1	9.2	1.0	13.0	2.8	166	2.1	667	92.8	30.6	14.2	2.2	33.5	1.6	25.0	82.3	11.6	0.10	0.10	145.16	15.25
MEX276	749750	8319600	81.6	2.3	2.3	0.1	1.8	0.5	33.9	1.1	166	15.3	5.4	2.0	0.3	6.4	0.5	6.0	16.4	4.6	0.02	0.02	24.31	11.98
MEX277	749800	8319600	978	45.0	25.9	3.4	54.3	8.4	768	3.9	803	400	129.0	58.2	8.0	80.1	4.0	31.0	303.0	26.6	0.34	0.11	622.42	18.40
MEX278	749850	8319600	703	30.2	22.7	1.8	26.2	6.6	289	4.6	1834	169	54.7	26.0	4.6	62.2	3.9	53.0	226.0	28.1	0.19	0.26	263.15	13.63
MEX279	749900	8319600	846	18.4	12.3	1.2	18.6	3.8	248	2.5	1759	150	51.2	22.1	3.0	65.4	2.0	67.0	109.0	15.5	0.18	0.25	236.77	13.01
MEX280	749950	8319600	928	20.8	14.4	1.3	20.4	4.2	280	2.7	2010	163	56.4	24.2	3.5	76.5	2.3	73.0	122.0	16.6	0.20	0.29	258.23	12.86
MEX281	750000	8319600	256	24.7	16.2	1.9	24.2	5.2	164	3.3	343	120	35.5	23.2	3.9	70.2	3.0	10.0	159.0	18.8	0.10	0.05	182.83	17.67
MEX282	750050	8319600	224	10.4	11.2	0.5	9.6	2.7	138	3.5	1000	81	27.4	9.5	1.6	18.4	2.2	27.0	103.0	19.1	0.08	0.14	127.52	16.44
MEX283	750100	8319600	302	22.6	31.8	0.6	10.7	7.0	133	9.6	1579	72.3	25.8	9.5	2.4	14.1	6.5	45.0	271.0	54.3	0.12	0.23	115.50	9.92
MEX284	749450	8319554	941	41.3	16.8	4.3	58.8	6.7	582	2.4	218	398	123.0	61.6	8.0	28.1	2.3	5.0	226.0	15.5	0.30	0.03	612.84	20.50
MEX285	749500	8319551	944	40.5	17.5	4.2	62.9	6.5	893	2.9	530	506	159.0	67.0	8.1	44.5	2.5	18.0	219.0	18.0	0.35	0.08	782.30	22.15
MEX286	749550	8319550	268	12.8	10.3	0.9	13.0	2.9	165	2.6	239	96.3	32.0	15.2	2.1	39.9	1.9	7.0	90.1	15.1	0.09	0.03	150.97	17.23
MEX287	749600	8319550	762	33.4	18.1	2.2	37.0	6.1	346	3.1	886	236	74.5	39.6	5.8	40.3	2.7	31.0	184.0	19.4	0.21	0.13	365.31	17.12
MEX288	749650	8319550	684	30.3	23.2	1.8	26.5	6.6	279	4.8	1743	163	53.5	25.4	4.7	63.3	3.9	54.0	235.0	30.0	0.19	0.25	254.77	13.40
MEX289	749700	8319550	853	37.1	16.6	3.7	58.1	6.0	805	2.8	526	455	146.0	61.2	7.5	43.5	2.3	17.0	211.0	17.3	0.32	0.08	707.11	22.01
MEX291	749767	8319555	117	5.1	5.3	0.3	4.2	1.2	49.5	1.9	260	30.3	10.3	5.2	0.8	19.5	1.1	10.0	23.4	9.9	0.03	0.04	47.75	14.96
MEX292	749800	8319550	649	22.5	15.3	1.6	20.9	4.5	301	3.6	1744	195	64.0	29.0	3.6	39.2	2.6	69.0	99.3	17.2	0.17	0.25	304.81	17.72
MEX293	749850	8319550	387	7.6	6.9	0.4	5.3	1.7	69.1	2.4	405	40.5	13.9	6.2	1.1	27.6	1.4	12.0	37.3	12.0	0.07	0.06	64.08	8.91
MEX294	749900	8319550	905	25.0	14.0	1.9	32.3	4.4	669	3.3	709	317	110.0	43.4	4.7	49.3	2.5	27.0	151.0	19.0	0.28	0.10	502.65	18.19
MEX295	749928	8319550	2798	49.9	30.4	4.0	63.0	9.4	1426	5.1	2129	689	241.0	85.3	9.1	124.0	4.7	65.0	240.0	32.4	**0.68**	0.30	1094.83	15.99
MEX296	750000	8319550	296	13.3	9.6	0.8	11.0	2.8	141	1.8	590	81.4	28.0	12.3	2.0	63.4	1.6	17.0	71.2	10.9	0.08	0.08	128.73	15.62
MEX297	750050	8319550	617	46.5	19.7	4.5	73.8	7.4	341	3.3	533	271	71.1	72.0	9.9	58.2	2.8	19.0	163.0	20.1	0.21	0.08	402.01	19.45
MEX298	750100	8319550	196	9.7	10.8	0.4	7.4	2.6	100	3.3	632	55.2	18.9	7.9	1.3	16.7	2.2	18.0	74.1	17.6	0.06	0.09	87.18	14.25
MEX299	749500	8319501	509	25.4	10.7	2.6	36.0	4.2	291	1.6	176	222	63.0	35.3	4.9	19.4	1.5	5.0	117.0	9.9	0.16	0.03	335.11	20.91
MEX300	749550	8319500	372	16.9	8.3	1.4	21.5	3.0	278	1.6	190	169	51.8	24.7	3.0	31.4	1.5	6.0	75.0	9.3	0.12	0.03	259.74	20.90
MEX301	749600	8319500	305	5.5	4.0	0.4	6.4	1.1	188	1.4	116	74.7	26.2	8.6	0.9	24.7	0.8	3.0	31.3	6.8	0.08	0.02	118.76	14.94
MEX302	749650	8319500	886	49.0	28.8	4.3	51.9	9.4	530	3.3	466	383	117.0	65.0	8.1	109.0	4.3	17.0	252.0	25.6	0.29	0.07	588.09	20.24
MEX303	749700	8319500	199	3.2	3.0	0.2	2.6	0.7	52.2	1.2	400	25.4	10.5	3.4	0.5	11.8	0.6	15.0	20.1	5.5	0.04	0.06	42.34	10.65
MEX304	749744	8319501	609	23.3	16.3	1.2	18.8	4.8	177	3.2	629	114	37.0	20.5	3.3	85.1	2.7	17.0	128.0	19.6	0.14	0.09	177.66	12.45
MEX305	749800	8319500	345	4.9	3.6	0.3	3.6	0.9	73.7	1.0	328	28	11.2	3.7	0.7	16.9	0.6	12.0	24.3	5.1	0.06	0.05	46.24	7.51

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX306	749850	8319500	1076	31.5	24.1	1.5	21.6	6.7	224	5.0	1008	141	47.9	23.9	4.5	98.7	4.2	31.0	144.0	31.1	0.22	0.14	222.36	10.26
MEX307	749900	8319500	231	17.8	11.8	1.1	16.8	3.7	120	2.0	512	84.7	27.3	16.5	2.8	23.3	1.7	14.0	101.0	12.1	0.08	0.07	131.80	16.82
MEX308	749950	8319500	312	17.5	12.6	1.1	14.5	3.6	152	2.7	595	103	32.4	17.4	2.6	47.3	2.1	20.0	99.0	15.3	0.09	0.09	159.28	16.78
MEX309	749986	8319496	761	35.0	23.6	1.5	27.0	7.5	452	3.9	1001	186	65.4	25.6	5.1	123.0	3.8	33.0	222.0	25.8	0.22	0.14	295.93	13.30
MEX310	750050	8319500	309	9.5	5.8	1.0	12.6	1.7	174	1.6	772	115	36.1	17.2	1.8	24.7	1.1	21.0	37.9	8.2	0.09	0.11	177.78	20.22
MEX311	750100	8319500	313	6.1	4.0	0.5	7.1	1.1	168	1.3	1402	79.9	29.4	9.4	1.1	19.0	0.9	32.0	29.2	6.7	0.08	0.20	128.73	16.27
MEX312	749550	8319450	361	18.3	9.1	2.2	26.6	3.2	247	1.4	211	186	54.8	30.6	3.6	19.0	1.3	7.0	87.6	8.9	0.12	0.03	283.17	22.68
MEX313	749600	8319450	144	4.7	4.1	0.2	2.6	1.2	24.1	1.4	133	16.3	5.3	2.8	0.6	13.0	0.9	3.0	34.1	6.7	0.03	0.02	25.38	8.39
MEX314	749650	8319450	313	18.4	9.8	1.4	21.6	3.3	206	1.6	276	152	46.2	24.8	3.3	21.8	1.5	8.0	89.3	10.1	0.11	0.04	233.11	21.53
MEX316	749700	8319450	353	7.5	6.4	0.3	4.6	1.7	97.9	1.8	217	34.7	13.2	4.7	1.0	18.1	1.1	7.0	51.8	9.3	0.07	0.03	56.45	7.90
MEX317	749750	8319450	272	11.9	9.0	0.6	9.1	2.5	91.8	2.4	532	59.4	19.0	9.6	1.7	44.4	1.7	19.0	62.3	13.9	0.07	0.08	92.26	13.48
MEX318	749800	8319450	369	11.1	10.5	0.5	7.3	2.7	130	3.1	349	52.4	18.8	7.6	1.5	40.5	2.1	11.0	65.7	17.0	0.08	0.05	83.85	9.92
MEX319	749850	8319450	511	29.3	13.6	3.3	38.5	4.8	577	2.6	373	336	110.0	49.8	5.5	30.7	2.2	9.0	129.0	16.0	0.22	0.05	524.81	24.03
MEX320	749900	8319450	345	11.5	7.4	0.8	12.4	2.2	225	1.9	251	125	41.7	16.5	1.9	37.5	1.4	5.0	51.8	10.3	0.10	0.04	196.15	19.12
MEX321	749950	8319450	1145	13.0	9.8	0.7	11.6	2.8	154	2.4	693	92.2	31.2	14.7	2.1	53.8	1.7	29.0	60.1	13.8	0.19	0.10	145.20	7.67
MEX322	749986	8319448	924	14.7	9.3	1.2	16.3	2.8	345	2.2	1252	162	56.5	21.5	2.8	29.8	1.6	44.0	61.4	12.3	0.20	0.18	257.24	13.04
MEX323	750050	8319450	286	3.7	2.7	0.4	5.0	0.7	131	1.2	1352	70.6	26.6	8.1	0.7	9.2	0.6	39.0	19.8	4.5	0.07	0.19	114.43	16.92
MEX324	750100	8319450	153	13.7	13.1	0.6	8.6	3.3	46.4	3.2	187	35.8	11.0	7.5	2.0	26.5	2.4	7.0	96.9	18.2	0.05	0.03	55.05	10.93
MEX325	750150	8319450	656	19.5	20.1	1.4	19.4	4.7	450	5.6	3287	253	88.7	24.1	2.9	12.4	3.8	87.0	168.0	30.2	0.21	0.47	402.24	19.15
MEX326	749600	8319400	297	24.6	19.5	1.0	14.5	5.6	95.5	3.9	431	76.2	23.7	14.5	3.2	58.5	3.3	16.0	159.0	22.8	0.09	0.06	117.51	12.69
MEX327	749650	8319400	233	22.2	17.8	0.7	11.5	5.2	72.2	3.0	316	49.2	15.4	9.2	2.9	69.2	2.9	9.0	147.0	18.9	0.07	0.05	75.93	10.24
MEX328	749700	8319400	162	1.6	1.2	0.1	1.9	0.3	97.9	0.6	29	26.2	9.8	2.8	0.3	8.1	0.3	1.0	9.0	2.1	0.04	0.00	42.45	11.15
MEX329	749747	8319402	1491	55.1	21.6	8.2	92.7	7.8	1660	2.8	912	1018	337.0	146.0	11.9	75.4	3.0	34.0	222.0	19.8	**0.61**	0.13	1594.56	26.22
MEX330	749800	8319396	274	5.9	3.5	0.6	7.2	1.1	176	1.0	845	80.1	28.2	9.4	1.1	13.3	0.7	34.0	25.4	5.0	0.07	0.12	127.50	17.15
MEX331	749850	8319400	309	20.0	16.6	0.7	10.9	4.5	79.3	3.4	831	52	17.2	10.8	2.7	101.0	2.8	26.0	107.0	20.5	0.08	0.12	81.37	10.22
MEX332	749900	8319400	352	21.9	16.6	1.0	16.3	4.7	137	3.2	1037	88.9	30.2	17.4	3.1	79.7	2.9	36.0	134.0	20.6	0.10	0.15	140.22	13.65
MEX333	749959	8319394	661	18.4	13.6	0.9	14.8	4.0	173	2.8	1051	103	35.6	17.0	2.9	87.5	2.3	36.0	94.4	17.4	0.14	0.15	163.18	11.61
MEX334	750000	8319400	331	21.2	15.7	1.5	19.8	4.6	163	3.6	447	113	33.4	21.7	3.4	86.4	2.8	14.0	111.0	20.2	0.10	0.06	172.13	16.51
MEX335	750050	8319400	261	8.5	5.9	0.6	7.1	1.7	131	1.4	956	74.4	24.9	9.7	1.2	25.3	1.1	33.0	39.8	7.9	0.07	0.14	116.84	16.85
MEX336	750100	8319400	283	8.4	5.7	0.6	7.4	1.6	115	1.5	270	62.6	21.2	9.6	1.3	39.7	1.1	8.0	40.6	8.2	0.07	0.04	98.62	14.40
MEX337	750150	8319400	456	14.8	8.0	1.2	17.6	2.7	268	1.6	376	156	51.3	21.9	2.6	41.6	1.3	11.0	68.2	8.6	0.13	0.05	243.93	18.80
MEX338	749650	8319350	403	28.4	25.3	0.9	17.0	6.8	57	4.4	1287	57.2	17.0	14.0	3.8	119.0	4.4	49.0	192.0	30.3	0.10	0.18	87.23	8.32
MEX339	749700	8319350	789	6.4	3.8	0.7	11.1	1.1	517	1.5	131	182	68.7	16.8	1.4	21.9	0.8	2.0	23.2	7.3	0.20	0.02	295.23	15.07
MEX341	749750	8319350	379	2.4	1.9	0.3	3.9	0.5	172	1.0	222	56.5	19.9	5.3	0.5	6.0	0.4	8.0	9.8	3.9	0.08	0.03	89.92	11.34
MEX342	749800	8319350	74.8	2.4	2.3	0.2	2.4	0.6	50.5	1.2	72	22.2	6.5	3.1	0.4	4.2	0.5	3.0	13.1	4.4	0.02	0.01	33.76	15.24
MEX343	749850	8319350	426	14.5	10.8	0.8	14.4	3.1	253	2.1	440	129	39.7	16.4	2.3	56.4	1.8	14.0	90.6	13.4	0.12	0.06	198.42	16.20
MEX344	749900	8319350	601	12.9	7.9	1.1	14.9	2.4	327	1.9	2260	166	52.2	19.5	2.2	25.3	1.3	76.0	69.3	10.2	0.16	0.32	256.63	16.54

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX345	749950	8319350	581	15.2	7.5	1.2	20.2	2.7	288	1.5	1435	170	51.5	24.4	2.8	26.2	1.2	62.0	76.2	7.8	0.15	0.21	260.49	17.30
MEX346	749991	8319338	272	19.1	13.7	1.1	17.6	3.9	119	2.7	266	81.6	22.3	16.7	2.8	47.0	2.3	13.0	92.5	16.8	0.08	0.04	122.11	14.81
MEX347	750050	8319350	544	37.7	25.6	2.2	33.7	8.1	189	4.1	491	143	38.3	30.1	6.0	131.0	3.9	19.0	224.0	26.9	0.16	0.07	213.08	13.38
MEX348	750100	8319350	173	11.4	8.5	0.5	8.0	2.5	50.9	2.1	203	33.8	9.4	6.1	1.6	22.4	1.5	12.0	71.3	10.8	0.05	0.03	50.81	10.71
MEX349	750150	8319350	177	7.2	4.9	0.5	7.2	1.4	69.3	1.5	91	49.9	14.0	8.5	1.2	19.9	0.9	4.0	34.6	7.2	0.05	0.01	75.09	16.17
MEX350	749700	8319300	213	1.9	1.8	0.1	1.8	0.4	75.2	1.1	34	23.7	7.6	2.4	0.3	4.1	0.4	1.0	10.1	4.3	0.04	0.00	36.84	8.85
MEX351	749750	8319300	251	21.9	17.2	1.2	17.7	4.9	109	2.9	412	86.4	24.3	16.9	3.3	54.5	2.7	17.0	139.0	18.7	0.09	0.06	130.18	15.03
MEX352	749800	8319300	220	3.4	2.9	0.3	3.2	0.8	75.7	1.1	102	29.8	9.1	3.8	0.6	9.4	0.6	4.0	19.1	5.4	0.05	0.01	45.75	10.07
MEX353	749850	8319300	1009	10.4	6.1	1.1	16.0	1.7	533	1.9	309	218	69.1	20.8	2.1	24.7	1.1	10.0	46.2	9.0	0.23	0.04	337.79	14.42
MEX354	749900	8319300	324	14.5	9.4	1.0	14.9	2.9	182	1.8	565	101	30.2	16.1	2.4	34.8	1.5	22.0	82.8	10.8	0.10	0.08	154.28	16.12
MEX355	749950	8319300	467	9.6	5.7	0.8	12.0	1.8	284	1.7	1716	124	40.7	15.4	1.7	17.7	1.0	68.0	48.0	8.5	0.12	0.25	193.84	15.78
MEX356	750016	8319279	426	6.3	4.0	0.5	6.9	1.1	212	0.9	2656	97.5	33.7	9.4	1.1	20.7	0.6	70.0	34.6	4.3	0.10	0.38	154.48	15.28
MEX357	750050	8319300	514	22.4	14.9	1.2	23.7	4.5	285	2.8	669	172	49.8	25.7	3.7	58.6	2.4	26.0	122.0	18.0	0.15	0.10	260.80	17.18
MEX358	750100	8319300	297	18.0	10.7	1.8	21.1	3.6	196	2.1	215	137	36.1	21.8	3.2	22.9	1.8	6.0	111.0	12.6	0.11	0.03	203.41	19.37
MEX359	750155	8319285	173	9.3	5.3	0.7	10.3	1.7	80.4	1.0	162	62.5	17.1	10.3	1.5	14.9	0.8	5.0	59.1	5.7	0.05	0.02	93.55	17.68
MEX360	749750	8319250	2553	32.6	17.1	2.7	47.2	5.7	1497	4.4	461	574	181.0	58.1	6.5	79.3	2.9	12.0	162.0	24.2	**0.62**	0.07	888.20	14.29
MEX361	749800	8319250	729	24.0	12.0	2.0	29.1	4.3	363	2.0	1097	219	63.9	33.4	4.3	44.0	1.7	44.0	115.0	11.3	0.19	0.16	332.65	17.12
MEX362	749850	8319250	599	10.3	8.4	0.5	8.2	2.3	104	1.8	543	57.4	17.8	8.5	1.6	51.1	1.4	16.0	73.7	9.2	0.11	0.08	88.49	8.05
MEX363	749900	8319250	452	7.5	5.1	0.6	9.3	1.5	180	1.4	1131	90.9	27.2	11.0	1.3	20.2	0.9	47.0	37.5	7.6	0.10	0.16	138.84	13.80
MEX364	749950	8319250	349	16.4	12.5	0.9	12.7	3.7	101	2.2	247	72.2	20.1	12.8	2.4	30.6	1.9	8.0	98.9	13.2	0.09	0.04	108.47	12.45
MEX366	749997	8319237	376	6.5	4.4	0.4	7.1	1.2	251	1.6	145	83.1	27.3	8.0	1.1	13.8	0.8	8.0	30.6	6.4	0.10	0.02	129.92	13.42
MEX367	750037	8319269	81.6	11.1	15.0	0.2	4.9	3.3	34.1	3.9	242	22.9	6.6	3.9	1.1	23.1	3.0	13.0	106.0	23.1	0.04	0.03	34.64	8.91
MEX368	750100	8319250	408	24.0	12.1	2.2	33.3	4.5	288	1.8	128	197	50.9	29.1	4.5	17.3	1.7	4.0	180.0	10.5	0.15	0.02	291.28	19.40
MEX369	750150	8319250	149	5.2	3.8	0.4	5.1	1.1	59.1	1.4	95	34.8	10.4	5.4	0.9	9.6	0.8	4.0	32.3	6.7	0.04	0.01	53.13	13.92
MEX370	750202	8319266	289	11.9	9.2	0.6	10.0	2.5	79.3	2.4	734	65.1	18.7	10.9	1.7	44.7	1.7	22.0	67.0	14.0	0.07	0.10	98.53	13.95
MEX371	749785	8319204	114	9.5	8.0	0.4	6.3	2.2	39.6	1.8	257	31.2	8.5	5.7	1.3	34.7	1.4	7.0	65.3	10.5	0.04	0.04	46.67	12.61
MEX372	749850	8319200	360	17.6	7.8	1.7	25.2	3.0	229	1.4	229	162	42.3	26.2	3.5	17.7	1.2	14.0	90.8	8.0	0.12	0.03	240.03	20.40
MEX373	749900	8319200	388	14.2	9.2	1.0	16.3	2.8	228	2.2	291	130	37.3	17.7	2.4	33.4	1.6	11.0	86.7	11.9	0.11	0.04	196.75	17.23
MEX374	749950	8319200	334	6.0	5.7	0.2	3.2	1.5	33.2	1.2	322	18.7	6.0	3.2	0.8	37.8	1.0	7.0	49.5	7.5	0.06	0.05	29.11	5.05
MEX375	750009	8319199	285	14.0	7.9	0.9	16.5	2.6	156	1.7	368	108	29.0	17.1	2.4	20.8	1.2	11.0	90.9	9.6	0.09	0.05	160.95	17.99
MEX376	750050	8319200	206	8.9	4.7	1.2	13.1	1.5	122	1.0	132	98.8	25.8	14.5	1.7	10.5	0.7	4.0	45.7	5.5	0.07	0.02	146.38	22.13
MEX377	750100	8319200	193	11.4	6.2	1.2	15.0	2.2	109	1.2	137	89.3	22.0	13.5	2.0	8.7	0.9	3.0	72.4	6.4	0.07	0.02	130.75	19.91
MEX378	750150	8319200	318	11.9	6.4	0.9	17.0	2.2	180	1.4	128	116	31.5	16.9	2.2	9.1	1.1	4.0	73.7	7.7	0.09	0.02	173.31	18.31
MEX379	750200	8319200	297	14.5	7.8	1.6	19.0	2.6	172	1.5	298	126	33.6	19.7	2.8	17.5	1.2	8.0	82.9	8.6	0.10	0.04	187.61	19.74
MEX381	750299	8321997	102	4.7	2.0	3.9	6.3	0.8	54.4	0.4	37	46.4	12.2	7.5	0.9	3.9	0.4	3.0	20.7	1.7	0.03	0.01	68.87	21.71
MEX382	750400	8322000	115	5.0	2.3	3.9	6.8	0.9	61.5	0.4	49	49.3	13.8	8.4	1.0	3.8	0.4	3.0	23.9	1.8	0.04	0.01	74.21	21.00
MEX383	750498	8322003	124	5.8	2.6	3.7	7.5	1.0	68.2	0.4	61	54.6	15.3	8.8	1.1	3.4	0.4	3.0	28.1	2.0	0.04	0.01	82.15	21.14

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX387	750898	8321999	112	4.9	2.3	4.0	6.9	0.9	61.8	0.3	47	48.4	12.9	7.7	0.9	5.5	0.3	2.0	25.5	2.1	0.03	0.01	72.06	20.62
MEX390	750300	8321800	90.4	4.3	2.3	3.4	6.5	0.9	52	0.4	48	43.2	11.1	7.0	0.8	4.3	0.3	1.0	24.1	2.1	0.03	0.01	63.85	21.37
MEX393	750500	8321799	259	10.2	6.8	1.0	9.0	2.0	167	1.5	403	68.7	24.2	10.4	1.5	41.8	1.2	13.0	67.5	8.8	0.08	0.06	109.33	14.21
MEX394	750599	8321800	248	9.7	7.0	0.9	9.0	2.0	164	1.5	370	69.6	24.0	10.1	1.6	40.6	1.2	13.0	65.9	8.9	0.08	0.05	110.19	14.68
MEX395	750700	8321802	91.9	4.4	1.9	3.0	5.8	0.7	52.4	0.3	50	41.8	10.9	6.5	0.8	6.9	0.3	1.0	22.9	1.7	0.03	0.01	61.88	21.01
MEX396	750799	8321800	95.9	4.9	2.2	3.4	6.1	0.8	56.4	0.4	63	43.6	11.5	7.3	0.9	5.8	0.3	3.0	25.9	2.1	0.03	0.01	64.70	20.59
MEX397	750900	8321799	99	4.2	2.2	2.9	5.9	0.8	56.4	0.3	67	42.7	11.6	6.5	0.9	4.5	0.4	2.0	27.7	1.2	0.03	0.01	63.83	20.22
MEX398	750998	8321801	80.4	3.7	1.8	2.7	5.2	0.6	45	0.3	41	36.9	9.6	5.8	0.8	3.8	0.2	1.0	19.1	1.4	0.03	0.01	54.61	21.30
MEX405	750802	8321601	91.2	4.5	2.2	2.5	6.2	0.8	50.7	0.3	48	38.7	10.8	6.7	0.8	4.8	0.3	1.0	27.1	1.7	0.03	0.01	58.21	19.79
MEX407	751000	8321600	239	9.4	6.8	0.9	8.8	2.0	161	1.4	389	65.4	22.7	9.7	1.5	39.4	1.2	12.0	65.9	8.6	0.07	0.06	103.66	14.25
MEX447	750200	8320800	253	8.7	5.3	3.0	9.8	1.7	150	0.8	232	75.3	23.2	10.6	1.5	25.3	0.8	6.0	52.0	5.6	0.07	0.03	115.88	16.01
MEX448	750300	8320800	462	15.7	9.8	1.6	16.8	3.0	262	1.9	421	133	43.9	19.9	2.6	59.1	1.5	11.0	83.6	12.0	0.13	0.06	208.21	16.18
MEX450	750500	8320800	310	10.6	6.0	1.6	11.7	1.9	188	1.4	244	87.9	28.7	12.3	1.8	31.8	1.1	7.0	59.8	7.3	0.09	0.03	137.17	15.61
MEX506	750200	8320200	655	45.1	26.7	2.6	41.3	9.0	378	2.5	945	230	71.6	40.6	7.1	91.3	3.5	38.0	306.0	19.1	0.22	0.14	354.74	15.99
MEX507	750300	8320200	619	33.0	44.0	0.9	16.2	9.8	322	11.8	4598	151	55.5	15.5	3.8	10.7	8.8	70.0	371.0	71.2	0.21	**0.66**	243.23	11.59
MEX510	750600	8320200	3135	359.0	210.0	17.3	301.0	71.6	1569	20.1	2854	1217	347.0	272.0	56.0	909.0	29.5	29.0	1822.0	171.0	**1.16**	0.41	1838.75	15.88
MEX528	750400	8320000	152	7.5	6.4	0.3	5.5	1.6	28.9	1.7	301	28.6	8.3	5.9	1.0	26.3	1.3	6.0	38.6	9.8	0.04	0.04	43.36	12.04
MEX555	751100	8319801	265	9.3	5.5	3.3	10.2	1.7	158	1.0	255	81.3	26.1	11.9	1.6	37.5	0.9	9.0	43.4	5.8	0.08	0.04	126.31	16.82
MEX569	750500	8319600	519	26.5	13.5	2.7	31.6	4.9	337	2.1	219	233	72.4	37.2	4.7	30.3	2.1	7.0	107.0	13.8	0.17	0.03	359.20	21.28
MEX589	750100	8319400	285	28.4	27.2	1.3	16.3	7.1	146	4.8	726	99.7	32.0	18.4	3.5	114.0	4.5	35.0	174.0	32.0	0.11	0.10	154.98	14.59
MEX594	750600	8319400	84.9	13.5	10.0	0.6	7.7	3.0	31.5	2.2	267	27.9	8.0	6.5	1.8	172.0	1.7	10.0	83.1	12.8	0.04	0.04	42.26	11.82
MEX612	750103	8319200	264	15.8	10.1	1.1	14.8	3.1	121	2.0	189	88.1	27.0	15.8	2.6	24.5	1.6	6.0	82.1	12.1	0.08	0.03	135.38	17.00
MEX613	750201	8319196	383	14.4	8.2	1.3	17.1	2.7	210	1.3	304	134	43.1	20.4	2.7	27.9	1.2	12.0	63.7	8.1	0.11	0.04	208.38	19.03
MEX617	750601	8319203	279	21.0	14.3	1.4	16.9	4.4	178	2.6	208	103	32.2	18.1	3.1	46.8	2.4	8.0	105.0	16.5	0.10	0.03	158.99	16.57
MEX635	750100	8319000	370	13.3	8.1	1.4	14.8	2.6	202	1.4	215	124	35.9	17.2	2.2	38.1	1.3	13.0	72.7	9.2	0.11	0.03	188.03	17.84
MEX637	750300	8319000	1108	35.8	19.0	5.2	52.8	6.2	1305	4.0	443	616	192.0	79.3	7.2	75.1	3.2	7.0	266.0	23.3	0.45	0.06	950.48	21.35
MEX640	750600	8319000	878	36.7	31.1	1.7	31.0	8.5	295	6.2	1980	232	65.0	37.2	5.4	123.0	5.5	79.0	237.0	39.2	0.23	0.28	349.13	15.13
MEX642	750800	8319000	739	46.0	31.4	2.1	38.3	9.7	429	4.8	774	301	84.2	48.8	7.0	123.0	4.8	35.0	240.0	32.5	0.24	0.11	452.83	18.65
MEX646	751200	8319000	53.1	9.9	5.8	1.7	10.5	2.1	37.2	0.7	14	42.7	9.0	9.6	1.7	4.4	0.8	1.0	60.2	4.4	0.03	0.00	60.70	20.21
MEX659	750100	8318800	427	11.4	7.3	0.7	10.7	2.1	210	1.6	1061	116	35.5	15.4	1.9	25.9	1.2	63.0	50.2	9.0	0.11	0.15	178.23	16.45
MEX660	750200	8318800	303	12.5	7.4	1.2	13.9	2.4	210	1.4	260	123	36.4	18.6	2.2	32.7	1.2	5.0	60.2	8.6	0.10	0.04	187.46	19.48
MEX661	750300	8318800	245	10.5	6.4	1.6	13.8	2.2	142	1.2	151	107	27.7	16.0	1.9	9.4	1.0	3.0	87.0	6.3	0.08	0.02	158.21	19.62
MEX662	750400	8318800	1404	56.3	28.0	8.7	83.5	9.8	1945	3.7	500	919	277.0	126.0	11.2	65.0	4.1	23.0	350.0	25.9	**0.63**	0.07	1406.59	22.44
MEX664	750600	8318800	923	58.1	48.1	2.9	45.5	13.5	334	8.9	2435	267	75.1	50.3	8.8	142.0	8.2	61.0	348.0	58.4	0.27	0.35	402.20	14.80
MEX666	750800	8318800	457	13.3	7.5	1.1	18.6	2.5	227	1.9	581	175	49.2	27.9	2.8	36.9	1.4	40.0	46.1	9.5	0.12	0.08	263.50	21.09
MEX683	750101	8318601	156	6.9	3.6	1.5	8.8	1.2	80.1	0.7	127	62.8	18.0	10.3	1.3	6.9	0.6	1.0	28.5	3.9	0.05	0.02	94.99	20.59
MEX684	750200	8318599	310	13.5	9.2	1.4	12.3	2.9	128	1.7	224	81.2	24.6	13.2	2.1	26.3	1.5	9.0	75.3	10.0	0.08	0.03	124.47	15.02

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX685	750300	8318598	1053	69.6	41.6	2.9	66.7	13.8	506	5.1	817	374	113.0	70.1	11.3	122.0	5.9	35.0	316.0	37.2	0.32	0.12	572.76	17.71
MEX687	750501	8318600	535	23.8	12.1	1.9	29.8	4.3	305	2.3	296	209	65.0	34.1	4.2	25.3	1.9	10.0	102.0	13.4	0.16	0.04	322.31	19.97
MEX690	750801	8318602	1047	82.9	56.7	4.9	72.1	17.2	515	8.9	1079	393	118.0	73.1	12.9	254.0	9.1	26.0	396.0	60.7	0.35	0.15	600.96	17.41
MEX708	750100	8318400	378	18.5	8.7	2.3	24.0	3.3	266	1.2	161	196	59.2	30.2	3.6	12.2	1.3	3.0	75.6	7.7	0.13	0.02	300.12	23.29
MEX709	750200	8318400	352	57.1	27.6	6.6	78.0	10.3	846	3.7	132	478	137.0	70.1	10.6	10.8	3.6	2.0	287.0	22.3	0.28	0.02	723.06	25.41
MEX710	750300	8318400	264	8.0	4.4	0.5	11.1	1.4	151	1.0	149	95.5	29.5	12.9	1.5	9.2	0.7	2.0	37.5	5.3	0.08	0.02	147.06	19.61
MEX714	750700	8318400	419	22.0	15.6	1.0	19.2	4.6	196	2.6	247	118	37.8	20.8	3.4	57.9	2.4	8.0	130.0	16.6	0.12	0.04	183.26	15.06
MEX715	750800	8318400	438	31.2	16.8	2.4	37.6	5.5	685	2.5	274	328	111.0	45.4	5.6	59.2	2.5	7.0	169.0	16.6	0.23	0.04	516.69	22.82
MEX733	750200	8318200	254	19.8	9.6	2.2	24.9	3.9	267	1.3	166	192	53.8	30.0	3.7	10.8	1.4	3.0	102.0	9.5	0.12	0.02	288.96	24.78
MEX734	750300	8318200	1573	23.7	14.5	1.4	24.3	5.2	344	2.5	461	204	64.9	31.4	4.1	59.7	2.4	17.0	115.0	17.4	0.29	0.07	316.36	10.75
MEX735	750400	8318200	875	18.4	8.3	1.9	26.7	3.3	488	1.2	219	302	96.1	37.2	3.7	36.0	1.3	5.0	77.3	9.1	0.23	0.03	468.30	20.00
MEX736	750500	8318200	213	13.3	7.5	1.4	16.4	2.6	250	1.8	407	157	48.7	24.3	2.4	20.5	1.4	13.0	65.4	12.0	0.10	0.06	242.01	24.81
MEX737	750600	8318200	497	21.7	13.8	1.5	22.4	4.7	315	2.3	775	187	58.7	29.1	3.5	43.0	2.2	62.0	113.0	16.7	0.15	0.11	289.06	18.67
MEX738	750700	8318200	733	32.5	18.3	2.2	38.6	6.5	460	3.5	459	301	91.7	48.8	5.8	40.4	3.0	27.0	146.0	23.7	0.23	0.07	461.87	20.10
MEX739	750800	8318200	411	24.6	13.8	1.4	27.9	5.0	207	2.6	356	171	48.9	33.1	4.3	38.7	2.2	9.0	111.0	17.3	0.13	0.05	258.58	19.90
MEX740	750900	8318200	453	26.3	15.2	1.2	26.2	5.5	233	2.5	316	161	46.4	28.5	4.3	39.9	2.3	8.0	139.0	17.4	0.14	0.05	243.90	17.44
MEX741	751000	8318200	803	30.5	19.5	1.1	31.6	6.7	494	3.5	425	268	82.5	38.1	5.0	56.5	3.1	14.0	191.0	24.6	0.24	0.06	412.21	17.11

APPENDIX F – DY6 2024 rock chip and soil results

Sample_ID	Northing	Easting	Elevation	Sample_Type	%TREO	%TREOY	Ga_2O_3 (ppm)	Nb2O5 (ppm)
MHG0001	8313877	752850	902	Rock Chips	0.04	0.04	34.95	41.29
MHG0002	8314226	752485	927	Rock Chips	0.01	0.01	41.67	19.48
MHG0003	8314311	752653	888	Rock Chips	0.04	0.04	41.67	51.09
MHG0005	8314276	753050	855	Rock Chips	0.04	0.05	38.98	62.05
MHG0004	8314283	752758	849	Rock Chips	0.17	0.18	48.39	408.24
MHG0006	8314691	752073	908	Rock Chips	0.19	0.2	**53.77**	265.94
MHG0007	8314696	752253	889	Rock Chips	0.01	0.01	14.79	26.59
MHG0009	8314714	752672	819	Rock Chips	0.01	0.01	12.1	12.36
MHG0008	8314696	752471	861	Rock Chips	0.01	0.01	24.2	15.4
MHG0010	8314681	752817	823	Rock Chips	0.09	0.1	44.36	148.13
MHG0011	8314710	753031	813	Rock Chips	0.03	0.03	44.36	45.72
MHG0012	8314695	753263	818	Rock Chips	0.01	0.01	17.47	10.73
MHG0013	8315089	751668	980	Rock Chips	0.03	0.04	**52.42**	54.24
MHG0014	8315086	751867	928	Rock Chips	0.12	0.13	45.7	214.62
MHG0015	8315092	752068	910	Rock Chips	0.04	0.05	**52.42**	36.86
MHG0016	8315089	752268	876	Rock Chips	0.03	0.03	29.57	62.52
MHG0017	8315063	752446	837	Rock Chips	0.02	0.02	**51.08**	28.69
MHG0018	8315144	752679	817	Rock Chips	0.05	0.05	45.7	74.42
MHG0019	8315095	752867	791	Rock Chips	0.08	0.09	**59.14**	114.89
MHG0024	8315510	751252	1082	Rock Chips	0.01	0.02	17.47	24.73
MHG0022	8315085	753252	789	Rock Chips	0	0.01	29.57	10.5
MHG0020	8315110	753050	795	Rock Chips	0.04	0.05	49.74	77.8
MHG0023	8315087	753469	772	Soil	0.02	0.02	20.16	35.81
MHG0026	8315497	751656	987	Rock Chips	0.08	0.08	**68.55**	104.86
MHG0025	8315490	751453	1031	Rock Chips	0.11	0.13	**71.24**	162.13
MHG0027	8315492	751865	912	Rock Chips	0.09	0.1	**55.11**	129.47
MHG0028	8315488	752055	882	Rock Chips	0.04	0.05	24.2	61.35
MHG0029	8315502	752273	850	Rock Chips	0.02	0.02	20.16	35.34
MHG0031	8315522	752718	789	Rock Chips	0.03	0.03	**51.08**	51.09
MHG0030	8315433	752416	817	Rock Chips	0.07	0.08	**56.46**	121.31
MHG0034	8315491	753281	757	soil	0.05	0.06	36.29	86.66
MHG0033	8315489	753057	762	soil	0.06	0.07	38.98	110.57
MHG0032	8315481	752867	771	soil	0.05	0.06	43.01	92.38
MHG0040	8315889	751467	977	Rock Chips	0.06	0.07	33.61	109.52
MHG0041	8315898	751668	916	Rock Chips	0.06	0.06	30.92	109.18
MHG0039	8315890	751270	1021	Rock Chips	0.05	0.05	40.33	37.91
MHG0037	8315884	750862	1109	Rock Chips	0.02	0.02	**51.08**	35.34
MHG0038	8315892	751059	1078	Rock Chips	0.09	0.1	41.67	108.24
MHG0035	8315488	753467	762	soil	0.06	0.07	**80.65**	61.12
MHG0036	8315490	753667	759	soil	0.04	0.04	**75.28**	59.25
MHG0044	8315890	752064	836	Rock Chips	0.13	0.13	**72.59**	264.77
MHG0043	8315891	751871	880	Rock Chips	0.35	0.45	**73.93**	668.35
MHG0046	8315888	752474	798	soil	0.11	0.12	47.05	184.29
MHG0045	8315883	752295	818	soil	0.13	0.13	**57.8**	106.96
MHG0049	8315888	753060	765	soil	0.04	0.05	26.88	57.15
MHG0048	8315877	752893	771	soil	0.08	0.09	29.57	148.13
MHG0047	8315897	752643	788	soil	0.09	0.1	34.95	153.96
MHG0054	8316332	750311	1199	Rock Chips	0.03	0.03	26.88	44.35
MHG0053	8315901	753855	749	soil	0.07	0.07	26.88	120.14
MHG0052	8315947	753560	754	soil	0.04	0.05	32.26	92.98
MHG0050	8315910	753291	764	soil	0.05	0.06	**53.77**	349.04
MHG0051	8315871	753387	760	soil	0.04	0.05	38.98	197.41
MHG0056	8316296	750672	1134	Rock Chips	0.23	0.25	**60.49**	1373.28
MHG0058	8316277	751070	964	Rock Chips	0.06	0.07	**51.08**	158.79
MHG0055	8316280	750474	1172	Rock Chips	0.32	0.35	**67.21**	992.77
MHG0057	8316290	750875	1043	Rock Chips	0.09	0.1	**53.77**	221.73
MHG0059	8316291	751267	915	Rock Chips	0.05	0.05	47.05	137.33
MHG0060	8316278	751446	878	Rock Chips	0.29	0.32	**61.83**	1785.26
MHG0062	8316275	751868	820	Rock Chips	0.1	0.11	48.39	68.66
MHG0065	8316277	752254	787	Rock Chips	0.07	0.07	44.36	128.75

Sample_ID	Northing	Easting	Elevation	Sample_Type	%TREO	%TREOY	Ga_2O_3 (ppm)	Nb2O5 (ppm)
MHG0061	8316291	751668	843	Rock Chips	0.19	0.2	**55.11**	1112.93
MHG0064	8316283	752035	803	Rock Chips	0.07	0.08	47.05	456.33
MHG0066	8316311	752447	782	Rock Chips	0.05	0.06	**67.21**	888.34
MHG0067	8316289	752674	783	soil	0.05	0.06	32.26	51.5
MHG0069	8316289	753068	770	soil	0.02	0.02	28.23	32.9
MHG0068	8316300	752865	776	soil	0.04	0.04	32.26	74.39
MHG0071	8316294	753466	761	soil	0.07	0.08	40.33	300.41
MHG0070	8316286	753266	759	soil	0.08	0.09	41.67	430.58
MHG0073	8316679	750059	1092	Rock Chips	0.06	0.07	**53.77**	627.99
MHG0074	8316714	750295	1030	Rock Chips	0.19	0.2	**51.08**	260.35
MHG0075	8316686	750488	1042	Rock Chips	0.08	0.09	48.39	333.31
MHG0072	8316669	749857	1172	Rock Chips	0.07	0.08	**57.8**	218.87
MHG0078	8316706	751064	941	Rock Chips	0.07	0.08	**52.42**	1034.25
MHG0076	8316684	750645	987	Rock Chips	0.79	0.85	**72.59**	**6648.96**
MHG0079	8316652	751192	913	Rock Chips	0.03	0.04	49.74	519.27
MHG0077	8316695	750873	979	Rock Chips	0.18	0.19	**55.11**	271.8
MHG0080	8316699	751468	842	Rock Chips	0.05	0.06	49.74	373.36
MHG0081	8316686	751656	825	Rock Chips	0.2	0.24	49.74	1304.62
MHG0082	8316675	751833	811	soil	0.08	0.09	36.29	298.97
MHG0085	8316729	752280	796	Rock Chips	0.08	0.1	40.33	326.15
MHG0083	8316704	752086	797	soil	0.1	0.11	43.01	197.41
MHG0086	8316682	752488	778	soil	0.01	0.01	4.03	47.21
MHG0090	8316660	753168	764	soil	0.09	0.1	44.36	307.56
MHG0087	8316692	752669	773	soil	0.08	0.09	55.11	356.19
MHG0089	8316694	753020	777	soil	0.08	0.09	45.7	443.46
MHG0088	8316671	752847	769	soil	0.1	0.11	49.74	359.06
MHG0093	8317082	750067	996	Rock Chips	0.23	0.25	**52.42**	313.28
MHG0094	8317092	750260	964	Rock Chips	0.1	0.1	49.74	211.71
MHG0092	8317090	749872	1009	Rock Chips	0.12	0.15	**53.77**	590.8
MHG0091	8317089	749670	1020	Rock Chips	0.21	0.22	**63.18**	171.66
MHG0095	8317087	750479	952	Rock Chips	0.05	0.06	**51.08**	283.24
MHG0096	8317094	750680	925	Rock Chips	0.09	0.09	47.05	294.68
MHG0098	8317080	751115	854	Rock Chips	0.09	0.1	**52.42**	231.74
MHG0099	8317093	751303	836	Rock Chips	0.04	0.05	48.39	340.46
MHG0097	8317089	750878	900	Rock Chips	0.25	0.26	**59.14**	619.41
MHG0101	8317101	751639	832	Rock Chips	0.11	0.11	40.33	194.55
MHG0100	8317088	751469	815	Rock Chips	0.06	0.07	48.39	113.14
MHG0102	8317095	751851	803	soil	0.08	0.09	32.26	131.8
MHG0103	8317078	752067	792	soil	0.08	0.09	33.61	123.64
MHG0104	8317089	752262	780	soil	0.06	0.07	32.26	100.19
MHG0106	8317090	752447	781	soil	0.05	0.06	22.85	90.16
MHG0107	8317056	752663	783	soil	0.06	0.07	34.95	113.61
MHG0108	8317012	752862	777	soil	0.05	0.06	34.95	68.47
MHG0111	8317508	750857	870	Rock Chips	0.06	0.07	40.33	116.64
MHG0110	8317488	750679	888	Rock Chips	0.14	0.15	45.7	374.41
MHG0109	8317487	750499	895	soil	0.13	0.15	49.74	265.94
MHG0113	8317485	751645	802	Rock Chips	0.13	0.15	47.05	328.92
MHG0112	8317527	751470	807	Rock Chips	0.07	0.07	**60.49**	131.8
MHG0114	8317466	751858	788	soil	0.06	0.07	28.23	118.97
MHG0116	8317493	752264	787	soil	0.11	0.12	45.7	163.3
MHG0115	8317490	752070	791	soil	0.11	0.13	**51.08**	163.3
MHG0118	8317903	751839	777	Rock Chips	0.07	0.08	36.29	125.97

Sample_ID	Northing	Easting	Elevation	Sample_Type	%TREO	%TREOY	Ga_2O_3 (ppm)	Nb2O5 (ppm)
MHG0117	8317508	752457	781	soil	0.12	0.13	40.33	261.27
MHG0119	8317895	752266	781	Rock Chips	0.07	0.09	40.33	113.84
MHG0120	8317889	752266	782	soil	0.06	0.07	36.29	101.36
MHG0121	8317790	751163	814	Rock Chips	0.3	0.35	**64.52**	600.7

JORC Code, 2012 Edition – AuKing to Acquire Machinga Heavy Rare Earths Project, Malawi

[Note – The contents of this Table are based on materials that AuKing's Competent Person has been able to access comprising the following reports:

- Resource Star Ltd announcement to ASX 10 December 2008, 'Uranium Growth Opportunity.'
- Resource Star Ltd announcement to ASX 14 October 2009, 'Malawi Exploration Update.'
- Globe Metals & Mining Ltd announcement to ASX 17 February 2010, 'Soil sampling results define strong, 7km +REE anomaly at Machinga, Malawi.'
- Globe Metals & Mining Ltd announcement to ASX 15 April 2010, 'High Grade HREO Mineralisation at Machinga.'
- Globe Metals & Mining Ltd announcement to ASX 26 May 2010, '33m-Wide Zone of Heavy Rare Earth Mineralisation – Machinga.'
- Globe Metals & Mining Ltd announcement to ASX 19 July 2010, 'New Zones of HREE & Niobium Mineralisation – Machinga Project.'
- Globe Metals & Mining Ltd announcement to ASX 29 July 2010, 'Commencement of Maiden Drilling Program – Machinga REE Project.'
- Globe Metals & Mining Ltd announcement to ASX 22 November 2010, 'Drilling Results Confirm Significant Heavy Rare Earth Discovery at Machinga.'
- DY6 Metals REE and PGE Projects, Malawi, Africa. Independent Technical Assessment Report, CSA Global, 28 March 2023 (in DY6 Prospectus, 27 June 2023).
- DY6 Metals Ltd announcement to ASX 6 July 2023, 'Machinga REE + Nb Exploration Update.'
- DY6 Metals Ltd announcement to ASX 11 September 2023, 'Maiden Drilling at Machinga identifies potential for widespread REE mineralisation.'
- DY6 Metals Ltd announcement to ASX 26 October 2023, 'Further High Grade REE & Niobium Results from Final RC holes at Machinga.'
- DY6 Metals Ltd announcement to ASX 10 October 2023, 'High-grade REE + Nb results continue at Machinga'.
- DY6 Metals Ltd announcement to ASX 29 December 2023, 'High Grade REE & Nb Results from Diamond Drilling at Machinga.'
- DY6 Metals Ltd announcement to ASX 19 April 2024, 'Rock Chips of up to 3.22% TREO identified in newly granted Machinga licence.'
- Tusker Minerals Ltd announcement to ASX 19 December 2025, 'High Grade Results Materially Extend Gallium, REE and Phosphate Mineralisation.'

Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* • *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* • *Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 0.5 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 (e.g. submarine nodules) may warrant disclosure of detailed information.*	• Previous ASX releases by Retail Star Limited (RSL, ASX: RSL), Globe Metals and Mining (Globe, ASX: GBE) and Tusker Minerals (Tusker, ASX: TSK) document the existence of a number of earlier sampling and drilling programmes. • Tusker report that the Globe ground radiometric surveys were conducted using a handheld ThermoScientific Radeye brand scintillometer integrated with a GPS (GARMIN GPSMAP78s). Soil sampling was carried out in a grid pattern with approximately 2kg samples collected at each point. The scintillometer was regularly calibrated. • Globe undertook extensive trench sampling programmes down to bedrock • Careful bagging of samples in individual plastic bags and accurate numbering and labelling of samples was completed in the field. QAQC procedures such as field duplicates, were carried out to ensure sample representivity. • Re-sampling was carried out where necessary. • Globe undertook an initial RC drilling programme in 2010 comprising 16 holes (MARC001 – 016) for 1,688 metres. A further RC drilling programme comprising 2,357 metres in a further 20 holes (MARC017 – 036) was completed in 2011-12. • Tusker undertook a combined RC and diamond drilling programme in late 2023. A total of 35 RC holes (MR001 – 035) were drilled for 3,643 metres and 8 diamond drill holes (MDD001 – 008) were completed for 900 metres to confirm the down-dip extent of the mineralisation and to provide samples for potential metallurgical testing. • In early 2024 Tusker undertook a major rock-chip and soil sampling programme within the Machinga area. A total of 305 soil samples were collected on a 200m x 100m grid and 422 rock-chip samples were collected on a nominal 50m x 50m grid. • Reconnaissance sampling in late 2025 of a significant radiometric anomaly 3km southeast of the main area of drilling comprised 77 rock-chip samples and 39 soil samples on a 200m x 400m grid. • The Machinga mineralisation presents itself as gently dipping breccia zones within the gneissic host. The key REE-bearing phase appears to be eudialyte group minerals along with bastnaesite and xenotime.
Drilling techniques	• *Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).*	• Globe used a truck-mounted RC rig, but no further details are available. A total of 4,045 metres of RC drilling was completed. • Tusker utilised a PR54R RC drilling rig supplied by Thompson drilling of Tete. • For diamond drilling Tusker used a rig supplied by Thompson drilling of Tete, Mozambique. No further details appear to be available.

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.*	• For the Globe RC drilling, sample recoveries were monitored by the geologist in the field during the drilling exercise. • If poor recoveries were encountered, the geologist and driller endeavoured to rectify the problem to ensure maximum sample recovery. • Visual assessments were made for recovery, moisture and possible contamination. • Samples were riffle split to obtain a representative sample, which was inspected and cleaned as required. • Insufficient data exists to determine whether a relationship exists between grade and recovery. This will be assessed when sufficient statistical data is available. • Recovery in diamond core was measured during logging.
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.*	• For the Globe work, trenching and drill samples were geologically logged over 1m length intervals to an appropriate level of detail to allow correlation with sampling. • •Geological logging of trenching and drilling was quantitative in nature. • •All Globe RC drill holes were reportedly logged in full. • All Tusker RC holes were logged in full. • Logging was quantitative in nature where possible. An appropriately higher level of detail was used for the diamond drill core.
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.*	• Tusker report that the RC sampling undertaken by Globe involved riffle splitting ~20 kg samples in the field to yield a representative sub-sample of 2-4 kg. • The field sample size was considered to be appropriate for the grain size of the material sampled. • Field duplicates were used at a rate of 5% and analysed to ensure representivity of in situ material. • Reference standards were inserted into the sample run during drilling. • The Tusker RC drilling programme involved riffle splitting the ~30kg drill samples in the field to obtain a representative sub-sample of 2-4kg. • All portions of the samples were weighed and samples were mostly dry. • The field sample size of approximately 2kg or greater is considered appropriate for the grain size of material sampled. • Appropriate industry standard quality control procedures were adopted at each stage of sub-sampling to maximize representivity of samples, with reference standards inserted during drilling, nominally every 20 samples. • Field duplicates were used at a rate of 5% and analysed to ensure representivity of in situ material, nominally every 20 samples. • Diamond drill core was halved for analysis with the sample being weighed. • Sample intervals are nominally 1m intervals but

Criteria	JORC Code explanation	Commentary
		varied based on lithological or mineralisation contacts as required.
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 (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.*	• In 2009 Resource Star Limited submitted 149 initial soil and rock chip samples (including 23 QAQC samples) to ALS Chemex Laboratories for analysis by initially using aqua regia digest, then 4 Acid digest, followed by lithium borate fusion with ICP finish using methods ME-MS41u, ME-MS61u, ME-MS81u and ME-XRF10 for a comprehensive suite of elements. • Elements were: Ag, Al, As, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Hf, Ho, In, K, La, Lu, Mg, Mn, Mo, Na, Nb, Nd, Ni, P, Pb, Pr, Rb, Re, S, Sb, Sc, Sm, Sn, Sr, Ta, Tb, Th, Ti, Tl, Tm U, V, W, Y, Yb, Zn, Zr. • Global Metals and Mining Limited RC drilling and trenching samples were submitted to Genalysis Laboratory Services in South Africa for sample preparation prior to export to Perth, Western Australia for analysis by sodium peroxide fusion (DX) with hydrochloric acid digest ICP/OES or MS finish as appropriate. • At Genalysis samples were dried, then crushed to either -2mm or -10mm as appropriate. Large samples were riffle split and the excess stored. Samples were pulverized in an enclosed unit to 85% -75micron. A 120-150gm analytical split was taken for export to Australia, and the pulp residue was retained and stored. • Elements analysed for the trench samples were: Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Ce, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Hf, Ho, In, K, La, Li, Lu, Mg, Mn, Nb, Nd, P, Pb, Pr, Rb, Re, S, Sb, Sc, Si, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr. • Elements analysed for the drill samples were: Be, Ca, Ce, Dy, Er, Eu, Ga, Gd, Hf, Ho, La, Li, Lu, Nb, Nd, P, Pr, Sm, Sn, Sr, Ta, Tb, Th, Tm, U, W, Y, Yb, Zr. • A field duplicate, blank (silica sand) and a CRM (certified reference material) were inserted approximately every 20 samples for the soil, trenching and drilling samples. CRM codes were recorded to maintain on-going quality assurance and acceptable levels of accuracy and precision • Samples from the Tusker (DY6) RC and diamond drilling were submitted to Intertek Minerals Laboratory Services in Kitwe, Zambia for sample preparation prior to export to Perth, Western Australia for analysis by sodium peroxide fusion (DX) with hydrochloric acid digest and ICP/OES or MS finish as appropriate. • At Intertek, samples were dried, then crushed to either -2mm or -10mm as appropriate. Large samples were riffle split and the excess stored. Samples were pulverized to 85% -75micron. A 120-150gm analytical split was taken for export to Australia, and the pulp residue was retained and stored. • Elements analysed for the drill samples were Ce, Dy, Er, Eu, Ga, Gd, Hf, Ho, La, Lu, Nb, Nd, Pr, Rb, Sm, Sn, Ta, Tb, Th, Tm, U, Y, Yb, Zr.

Criteria	JORC Code explanation	Commentary
		• A field duplicate, blank (silica sand) and a CRM (certified reference material) were inserted approximately every 20 samples for the drilling samples. CRM codes were recorded to maintain on-going quality assurance and acceptable levels of accuracy and precision. • Three separate CRMs were utilised, comprising low, medium and high REE-contents in a rolling sequence during drilling.
Verification of sampling and assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.* • *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	• No external verification has been conducted. • Assay results were reviewed by 2 company personnel. • No adjustments to the Globe era data were considered necessary. • No twinned holes have been drilled. • Sampling and data handling and storage protocols have not been sighted.
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.*	• All sample locations determined by handheld GPS units (GARMIN GPSMAP 78s were used to define field locations of soil, rock chip samples, trenches and drill collars. These locations were considered accurate to 5m. • The grid system used is UTM Zone 36S, WGS 84. • Downhole surveys were not completed by Globe. • Globe drillhole collars were surveyed using DGPS on completion of the program. • The GPS was considered sufficient topographic control with data downloaded via Map Source to spreadsheet. • Downhole surveying was undertaken by Tusker on both RC and diamond drill holes in the 2023-2024 programmes. • Tusker drillhole collars were surveyed by DGPS on completion of the programme by a licensed surveyor. • At the same time, ca, 50% of the Globe drillhole collars were resurveyed to provide consistency between the two drilling eras.
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.*	• Drill density could be considered reasonable and adequate to construct major lithological units and confirm mineralisation continuity but is not sufficiently detailed for Mineral Resource estimation purposes. • During the Tusker RC programme, drill samples were collected on 1m intervals on site and composited to 3m samples in zones indicated by the scintillometer to be only weakly mineralized or barren. • All other drill samples were submitted on as collected on a 1m basis.
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,*	• RSL and Globe's soil and rock chip sampling was of a reconnaissance nature only and was not designed to achieve unbiased sampling. • Most of the drilling (Globe and Tusker) has been orientated at a high angle to the inferred strike and dip orientation of the mineralised structures based on the trench mapping.

Criteria	JORC Code explanation	Commentary
	this should be assessed and reported if material.	• Three of the Tusker cored holes were orientated to drill down the mineralized structures to generate material for metallurgical test work.
Sample security	• *The measures taken to ensure sample security.*	• Samples were collected from the Global Metals, Malawi office and delivered by secure transport to Genalysis Laboratory in Johannesburg, South Africa. • For the Tusker drilling, samples were collected from the drill site and delivered by secure transport to Intertek Commodities preparation facility in Kitwe, Zambia. • The chain of custody for all drilling programmes was overseen by the Geology Manager.

Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.* • *The security of the tenure held at the time of reporting along with any known impediments to obtaining a license to operate in the area.*	• AuKing's Machinga REE-Nb project is located in southern Malawi, approximately 212 km southeast of the capital, Lilongwe. • The Machinga Project lies within Exploration Licences No. EL0529 (which covers an area of approximately 42.9 square kilometres) and No. EL0705 (which covers an area of approximately 157.5square kilometres). • The Licences are currently 100% held in the name of Malawian registered Green Exploration Ltd, a subsidiary of Tusker Minerals Limited. • There are no known third-party interests affecting the Licences. • All licences are in good standing and there are no known impediments to operating in the project area.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• Machinga was first identified by the American Smelting and Refining Company and the Atomic Energy Division of the Geological Survey of Britain in 1955 which completed preliminary geological work (Scintillometer survey, mapping trenching and drilling). Radiometric anomalies were found but none of the factual data is available. • Detailed geological mapping of the Malsoa-Zomba mountains was completed by Bloomfield et al in 1965. • In 1986, the United Nations Development Program sponsored an airborne magnetic and radiometric survey was undertaken by Huntington Geology and Geophysics Limited. Interpretation was completed by Paterson, Grant & Watson Limited in 1987. The survey located Uranium channel anomalies in the region. • In 2009 RSL completed an orientation soil sampling program over the Machinga Main Anomaly, 149 samples were collected. • Globe undertook a trenching programme 1,635m in total length which yielded 281 samples. • Globe also completed two RC drilling programmes in 2010-12 comprising 36 RC

Criteria	JORC Code explanation	Commentary
		holes (MARC001 – 036) for 4,045 metres. • Tusker undertook a combined RC and diamond drilling programme in late 2023. A total of 35 RC holes (MR001 – 035) were drilled for 3,543 metres and 8 diamond drill holes (MDD001 – 008) were completed for 900 metres. • Tusker have also completed several programmes of rock chip and soil sampling which continue to highlight areas of interest.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The area of the Machinga licence is dominated by rocks of the Mesozoic Chilwa Alkaline Province; consisting of granite, syenite, nepheline syenite plutons with associated volcanic vents characterized by carbonatite and agglomerate. • The Malosa Pluton consists of a heterogeneous mixture of syenitic and granitic units. • The REE-Nb-Ta mineralisation at Machinga is associated with the eastern margin of the Malosa Pluton of the Chilwa Alkaline Province. • Uranium and thorium anomalies are associated with the REE-Nb-Ta mineralisation which appears to be hosted within pegmatitic lenses and sheets. • Investigations suggest that there is a range of pegmatite types which can be separated by their physical characteristics and mineralisation style.

Drill hole information	• *A summary of all information material to the under-standing 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.*
		• Tusker Minerals (formerly DY6 Metals) has previously compiled a full tabulation of the previous drilling by Globe undertaken at Machinga (ASX Release 6/7/2023.
		• Attention is drawn to the drill hole information tables in the body of this release.

Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.* • *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 intervals are reported as one metre downhole or trench section intervals and are length weighted. • Cored intervals are less regular but are similarly length weighted. • To be deemed significant, a length weighted intersection was required by Tusker to have a weighted average grade of >2,500ppm TREO and a minimum width of 3 metres.
Relationship between mineralisation widths and	• *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*	• The reported historical drillhole intersections in the Tundulu area are based on reported down hole lengths. • The inclined nature of the drillholes completed

Criteria	JORC Code explanation	Commentary
intercept lengths	*be reported.* • *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').*	to date at Machinga is considered to be appropriate given the currently interpreted gently east dipping nature of the REE-bearing units. • Due to the low to moderate dips identified in the trenching and drilling to date, it is expected true widths will be somewhat less than reported downhole thicknesses. • Diamond drill holes MDD001-005 were drilled normal to the structure and intersection widths thus closely approximate true widths.
Diagrams	• *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	• A drill hole collar location plan and representative cross section showing the extent and morphology of the mineralised zones are included in the body of the release.
Balanced Reporting	• *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.* • *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.*	• The reporting of previous exploration results is considered balanced by the competent person. • All results appear to have been reported.
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.*	• Various parts of the project area have been extensively geochemically sampled by soil and rock chip sampling. • Much of the project area was covered by a total radiometric survey carried out by RSL with a scintillometer on 200m spaced survey lines with a station spacing of 10m, covering the entire 7 km long Machinga anomaly. The northern part of the anomaly has been infilled on 50m spaced survey lines.
Further work	• *The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large- scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• This is expected to include an initial drone LIDAR survey, high-resolution aerial photography and aeromagnetic coverage of the prospect area. • This will be paired initially with an RC and diamond drilling campaign aimed at evaluating the extent of the REE mineralisation in the immediate vicinity of the previously delineated carbonatite sheets. • The drilling will provide sufficient information for the completion of a mineral resource estimate to be reported according to the JORC 2012 guidelines. • Metallurgical sampling from drillhole core samples to support the resource estimate is also envisaged.