ASX Announcement

ASX:MTM 23 February 2023

MT MONGER TO ACQUIRE ADVANCED CARBONATITE REE-Nb PROJECT IN CANADA

Highlights:

- **Option to acquire 100% interest in Pomme REE-Nb project claims located in Québec, Canada**
- **Confirmed carbonatite-hosted rare earth element (REE) and niobium (Nb) mineralisation**
- **Only two reconnaissance diamond drill holes completed in 2012 contain highly significant, exceptionally thick mineralised intersections, including:**
  - **MVX-12-01 – 508.3m @ 0.43% TREO, 413ppm Nb_2O_5 and 1.48% P_2O_5, from 73.7m depth**

    Incl.: 7.5m @ 1.28% TREO, 499ppm Nb_2O_5 and 1.43% P_2O_5 from 319.5m

    16.5m @ 1.44% TREO, 92ppm Nb_2O_5 and 0.46% P_2O_5 from 403.5m

    7.5m @ 1.77% TREO, 183ppm Nb_2O_5 and 0.59% P_2O_5 from 483m
  - **MVP-12-02B – 478.1m @ 0.12% TREO, 340 ppm Nb_2O_5 and 2.14% P_2O_5, from 25.9m to EOH**
- **Located only seven kilometres from the world-class Montviel carbonatite REE-Nb deposit owned by Geomega Resources Inc:**
  - **Total Resource of 266 Mt @ 1.46% TREO & 0.14% Nb_2O_5**
  - **Similar geology and mineralisation to Pomme project**
  - **Extensive metallurgical test work completed and being optimised**
- **Mineralisation contains elevated NdPr and significant proportions of both magnet REE and critical REE**
- **Mineralisation has low average uranium and thorium content**
- **Excellent infrastructure – existing road access, local services and proximity to hydro-electric grid**
- **Access to an existing geological team with history of work at the Montviel deposit and expertise in managing exploration in the area**
- **Existing arrangements with local First Nations community**
- **Fieldwork program, including diamond drilling expected to commence after spring thaw (May 2023)**

Mt Monger Resources Limited (ASX:**MTM**, **Mt Monger** or the **Company**) is pleased to announce that it has entered into a binding option agreement to acquire a 100% interest in the Pomme REE-Nb project (the **Project**) located in Québec, Canada from TSX.V listed Geomega Resources Inc. (**Geomega**). The Project is a known carbonatite intrusion with exceptional results from limited drilling, showing enrichment in rare earth elements (**REE**) and niobium (**Nb**) and is considered to be an extremely prospective exploration target.

The Project is located adjacent to the world-class Montviel REE-Nb deposit (owned by Geomega), that has a defined total indicated and inferred resource of **266 Mt @ 1.45% TREO & 0.14% Nb_2O_5**. It is expected that, pursuant to a separate services agreement to be negotiated and agreed between the parties, Geomega will continue to provide technical exploration services to Mt Monger on a contractual basis for the exploration of the Project.

Regarding the option agreement, Managing Director Lachlan Reynolds commented:

> *"We are very excited to have executed this option agreement to acquire the Pomme project in the Province of Québec. This is a further strategic investment by the Company into the rare earth element sector, which we believe has very positive long-term demand outlook due to the importance of rare earth elements and niobium to the global clean energy transition and the push by governments worldwide to expand and diversify their supplies.*
>
> *The Project has excellent geological potential for the discovery of a resource and is a perfect fit with the Company's strategy to explore and develop high-quality rare earth element projects that can ultimately supply critical metals to the rapidly growing global EV market and other decarbonisation technologies.*
>
> *Pomme is a known carbonatite intrusion and the limited diamond drilling completed more than a decade ago has confirmed the presence of extensive rare earth element and niobium mineralisation with globally significant intercept widths. The Project is located only seven kilometres from the world-class Montviel rare earth and niobium deposit which is similarly associated with a carbonatite intrusion. The proximity of Pomme to Montviel gives us confidence about both the potential for discovery of a resource and a huge strategic advantage with respect to operational logistics and the opportunity to be part of a much larger future mining development.*
>
> *Québec is a well-known and consistently highly rated operating jurisdiction for exploration and mining. The Project is easily accessible by road and work there can be supported year-round from local towns. Excellent relationships have been established with the local Cree First Nations community by previous explorers in the area.*
>
> *It is rare that a project with the outstanding early drill results and this type of significant geological potential can be secured at the pre-resource exploration stage. This is a highly positive outcome for Mt Monger and we look forward to commencing an exploration program, with the objective of defining a new rare earth element resource in Québec."*

POMME REE-Nb PROJECT

Location and Access

The Pomme project is located in in the Abitibi region of the Province of Québec, 500km northwest of Montreal, Canada. The Project comprises 43 mineral claims (Appendix I), covering approximately 2,400 ha area within the Eeyou Istchee James Bay Territory. The claims are located approximately 100 km north of the town of Lebel-sur-Quévillon (pop. 2,800)

and 45 km west of the Cree First Nation of Waswanipi (pop. 1,800) in the urbanised southerly part of northern Québec (Figure 1). Services, accommodation and labour are available locally.

The Project area has permanent access via Highway 113, which connects the major mining towns of Val d'Or and Chibougamau. A network of logging roads provides access to and within the claims. Heavy equipment can be mobilised by truck directly to the project site without the need for any aerial assisted access.

The property has flat topography and is covered by a mixture of forest and swamp (Figure 2). There are active forestry operations in the area and there are no local conservation reserves or protected areas. Some of the claims are located within restricted areas associated with government hydro-electric schemes (dating back to evaluation in the 1970's) but this is not considered to be an impediment to exploration or future development.

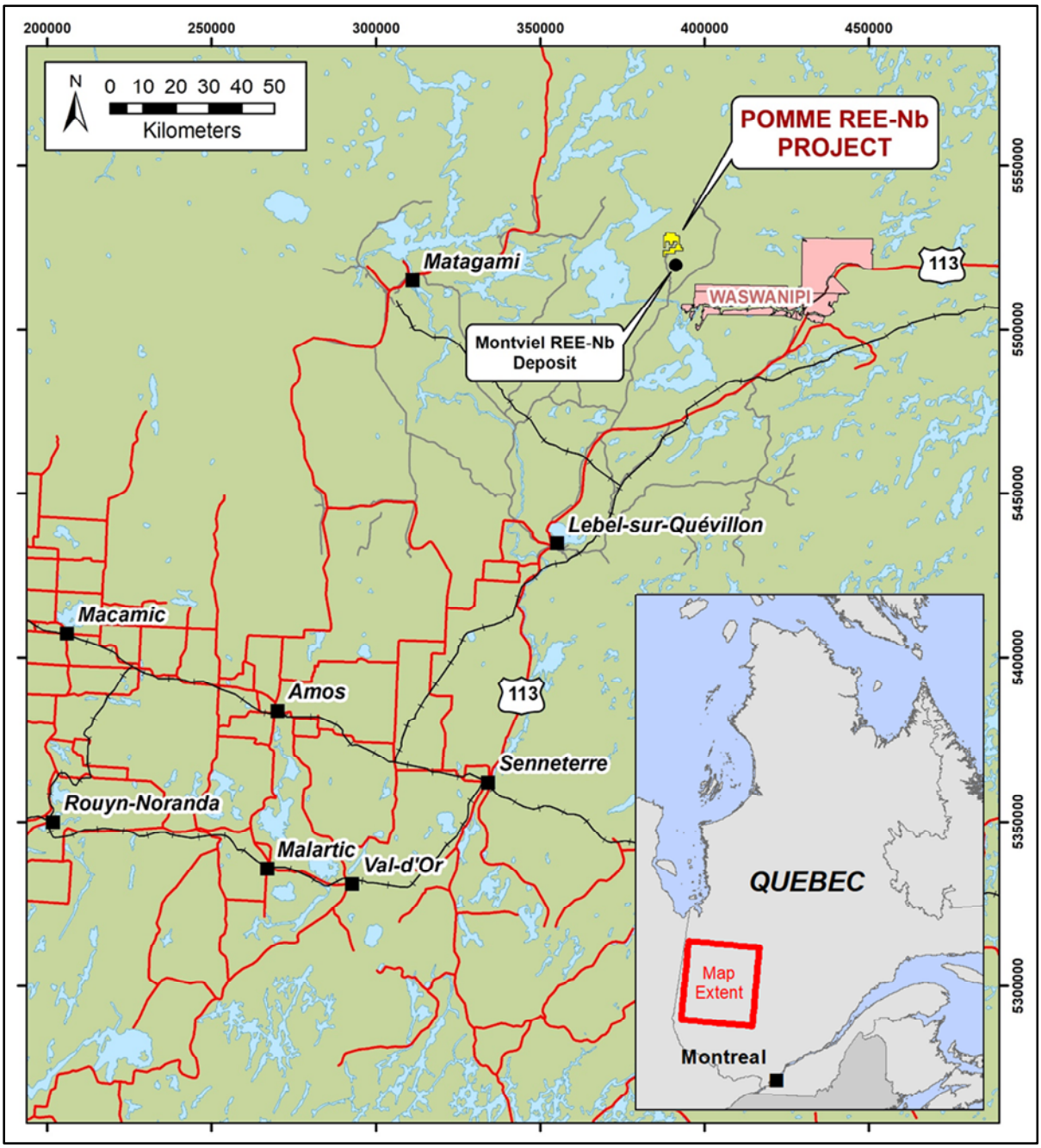

Figure 1: Location map of the Pomme Project in Québec, Canada.

The project lies at the limit between the subarctic and continental climatic zones. Consequently, the local climate is characterised by long, cold winters and short, cool summers. Such conditions are typical in Québec and exploration can be conducted year-round with suitable winter preparation.

First Nations

The Pomme project claims are located on Category II Land of the Cree First Nation of Waswanipi. Category II Lands are designated areas where the First Nation people have the exclusive right to hunt and fish. Mining, exploration and geoscientific works are possible but must be carried out in such a manner as to avoid unreasonable conflict with the rights of the First Nation people.

Previous exploration operations, particularly at the nearby Montviel deposit, have been successfully completed in the area in consultation with the Waswanipi Cree community. The Company will therefore look to further build on the existing strong and cooperative relationship with them.



Figure 2: Typical forested landscape of the Pomme Project area (courtesy Geomega).

Geology

Regionally, the Pomme project and adjacent Montviel deposit are located in the eastern part of the Archaean age Superior geological province, at the junction between the Opatica and Abitibi sub-provinces in the core of the Canadian Shield. Proximal to the Project, the Abitibi formation comprises volcanic, sedimentary and plutonic rocks deformed during the Kenorean Orogeny. The Opatica formation comprises volcanic and plutonic rocks, gneisses and some younger granitoids. The metamorphic grade in the area is of greenschist facies, except locally in the vicinity of intrusive bodies, where it can reach amphibolite facies. Proterozoic rocks also occur in the area as alkaline intrusive complexes and gabbroic dykes.

Detailed geological mapping (1:20,000 scale) of the Pomme area was completed by the Québec Ministry of Natural Resources in 2005 (Figure 3). Lithologies in the area are described as being an amphibolised metabasalt from the Bell River metavolcanite formation (*Goutier, 2006*). However, there are few exposures of the basement rocks and the carbonatite which

is interpreted to have intruded into the metabasalt sequence was not identified or mapped at surface.

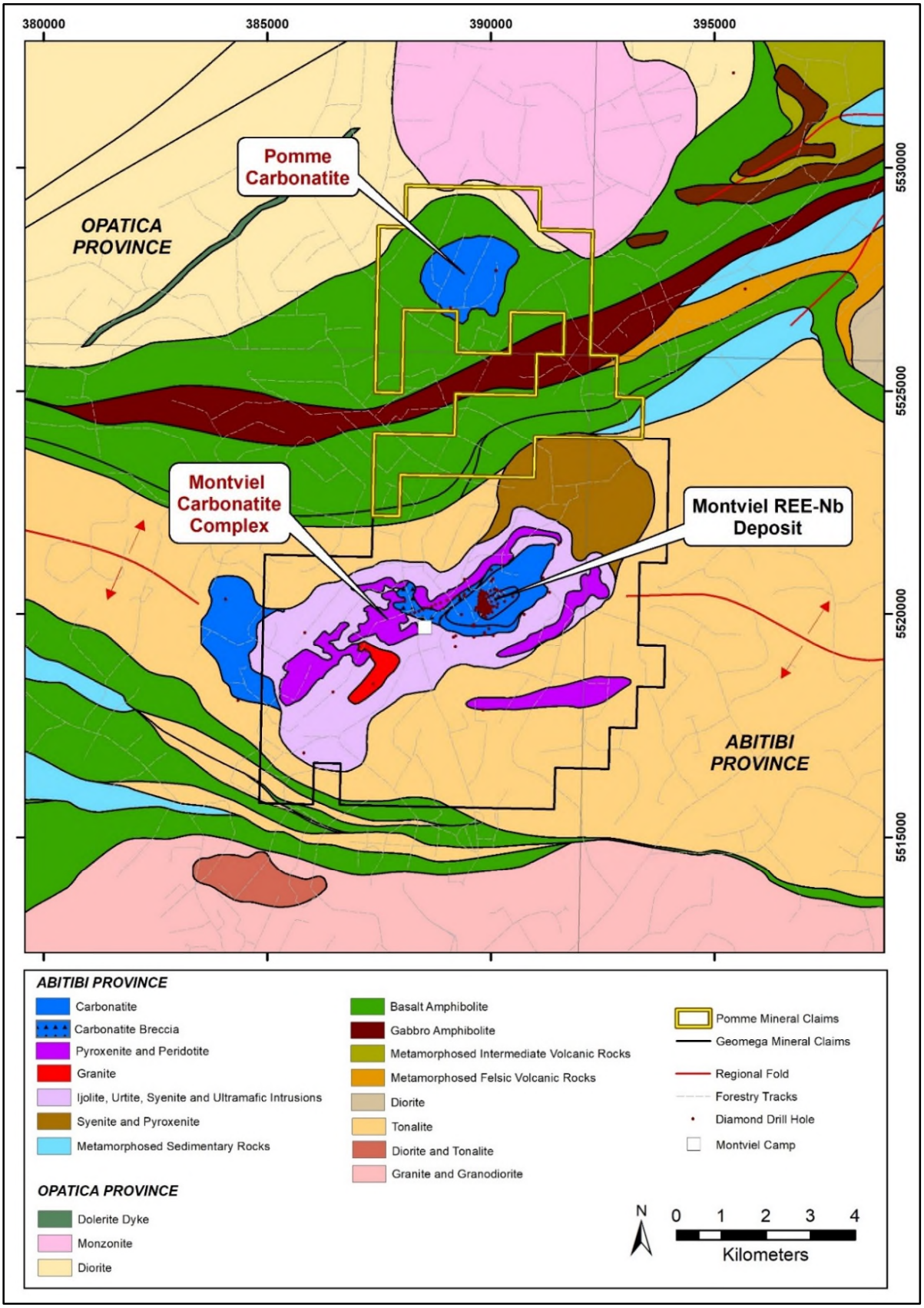

Figure 3: Simplified interpreted geology map of the Pomme Project and Montviel Deposit (SIGEOM).

The Pomme project is characterised by a prominent, ellipsoidal, km-scale magnetic anomaly that is similar in character and magnitude to the nearby Montviel carbonatite intrusive located 7km to the south (Figure 4). Diamond drilling (see below) has confirmed that the magnetic anomaly is associated with a carbonatite intrusive complex containing the REE-Nb mineralisation.

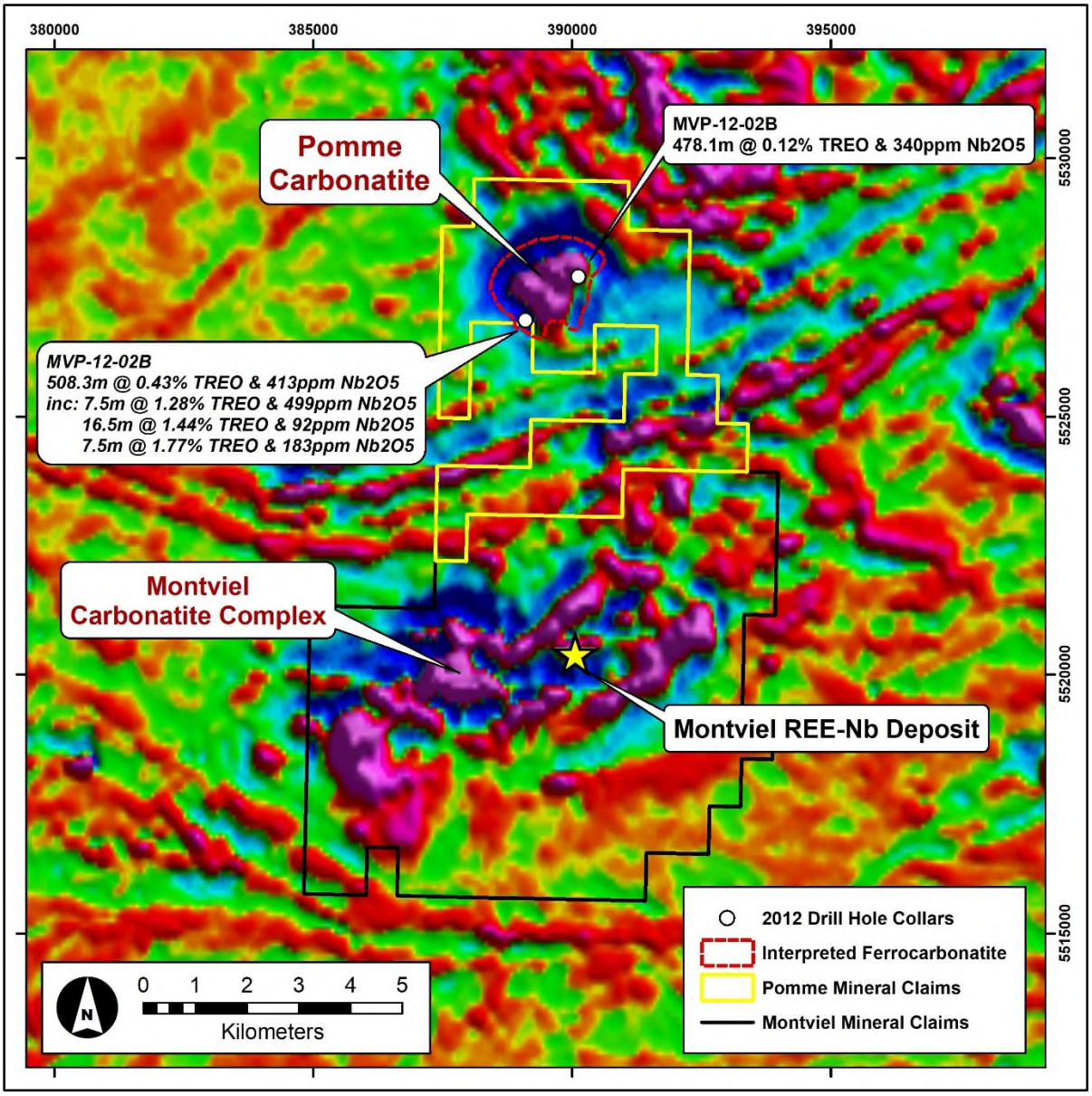

Figure 4: Airborne magnetic image of the Pomme Project and Montviel Deposit (TMI 1VD, SIGEOM).

The adjacent Montviel REE-Nb deposit is hosted by the Montviel carbonatite complex, part of the Proterozoic Montviel alkaline intrusion dated at 1,894±4 Ma. Based on the similarity of their geology and mineralisation, it is interpreted that the Pomme carbonatite is related genetically to the Montviel carbonatite and that they were intruded contemporaneously. Due to its importance, the Montviel deposit has been extensively documented (*see Nadeau et al, 2015 and Sappin, A.-A. and Beaudoin, G., 2015*).

2012 Diamond Drilling

Reconnaissance exploration was completed by Geomega in 2011 over the Pomme area in an effort to identify additional mineralised carbonatite intrusions in the vicinity of the Montviel deposit (*Gauthier et al, 2012*). Surface geochemistry and rock chip sampling across the Project indicated potential for further REE mineralisation (*Martel et al., 2012*) and a helicopter magnetic and radiometric survey was subsequently flown to refine the geophysical target area.

Two deep diamond drill holes were successfully completed approximately 1.2 km apart in the southern and eastern part of the magnetic anomaly (Figure 5, Appendix II) in 2012. These holes discovered the new carbonatite complex as well as extensive REE-Nb and phosphate mineralisation that extended from close to surface to the end of hole (Table 1).

Table 1: Significant Diamond Drilling Intersections (2012)

Hole ID	From (m)	To (m)	Length* (m)	Mineralisation Grade			TREO Cut-off (ppm)	Comment
				TREO (%)	Nb_2O_5 (ppm)	P_2O_5 (%)		
MVX-12-01	73.7	582.0	508.3	0.43	413	1.48	1,000	
	292.5	304.5	12.0	0.66	268	0.55	3,000	
	315.0	328.5	13.5	0.94	526	1.4	3,000	
including	**319.5**	**327.0**	**7.5**	**1.28**	**499**	**1.43**	**6,000**	
	375.0	421.5	46.5	0.88	155	0.86	3,000	
including	**403.5**	**420.0**	**16.5**	**1.44**	**92**	**0.46**	**6,000**	
	450.0	460.5	10.5	0.43	463	3.07	3,000	
	466.5	492.0	25.5	1.05	273	0.65	3,000	
including	**483.0**	**490.5**	**7.5**	**1.77**	**183**	**0.59**	**6,000**	
	495.0	510.5	15.5	0.76	267	0.44	3,000	
	513.0	529.5	16.5	0.53	211	0.71	3,000	
	553.5	572.5	19.0	0.67	389	1.27	3,000	
	633.0	639.0 (EOH)	6.0	0.31	185	0.5	3,000	
MVP-12-02	25.1	129.0 (EOH)	103.9	0.12	328	2.34	None	Hole abandoned
MVP-12-02B	25.9	504.0 (EOH)	478.1	0.12	340	2.14	None	
including	286.4	345.0	58.6	0.24	231	1.88	2,000	

* Downhole length, true width not known

TREO (Total Rare Earth Oxide) grade includes CeO_2, Dy_2O_3, Er_2O_3, Eu_2O_3, Gd_2O_3, Ho_2O_3, La_2O_3, Lu_2O_3, Nd_2O_3, Pr_6O_{11}, Sm_2O_3, Tb_4O_7, Tm_2O_3, Yb_2O_3 and Y_2O_3 and is calculated using standard oxide conversion factors for each element (see Appendix IV).

Holes MVX-12-01 and MVP-12-02B intersected carbonatite rocks, mostly silico-carbonatite with small calcio-carbonatite dikes and minor ferro-carbonatite dikes. The silico-carbonatite is generally phosphate-REE enriched. MVX-12-01 intersected a fluoro-carbonate and phosphate-REE mineralised ferro-carbonatite and MVX-12-02B intersected a magnetite rich calcio-carbonatite.

Two general types of REE mineralisation are recognised in the Pomme drill holes. The first is present as interstitial, relatively coarse fluoro-carbonate mineralisation in a late ferro-carbonatite present as discordant cm-scale dikes. This mineralisation is mainly present in the drill hole MVX-12-01. The second type of mineralisation, found in both drill holes occurs as pervasive phosphate mineralisation (alteration-replacement) within later silico-carbonatite dikes or as injections along foliation in all type of carbonatites.

Both drill holes contain significant neodymium-praseodymium (**NdPr**) oxides as part of the total rare earth oxide (**TREO**) grade (Table 2). Furthermore, the TREO contained elevated magnet rare earth elements (**MREO**) and critical rare earth elements (**CREO**). These elements are considered to be essential, high-value metals for the EV market.

Hole MVP-12-02B showed a significantly higher proportion of heavy rare earth elements (**HREO**), MREO and CREO, though intersected a lower TREO grade. This likely indicates variability in the geology of the carbonatite complex and associated mineralisation, which is typical of other carbonatite-hosted REE deposits. Further drilling will be required to evaluate and map out this variability across the Pomme intrusion and down-dip.

Table 2: Rare Earth Element Mineralisation Summary in Drill Hole Intersections

Hole ID	From (m)	To (m)	Length* (m)	TREO (%)	NdPr (ppm)	HREO (% TREO)	MREO (% TREO)	CREO (% TREO)
MVX-12-01	73.7	582.0	508.3	0.43	911	3.3	24.5	19.1
	292.5	304.5	12.0	0.66	1277	1.7	21.2	15.7
	315.0	328.5	13.5	0.94	2124	2.0	25.1	18.6
including	**319.5**	**327.0**	**7.5**	**1.28**	2674	1.4	22.8	16.7
	375.0	421.5	46.5	0.88	2250	1.3	18.7	14.0
including	**403.5**	**420.0**	**16.5**	**1.44**	2293	0.7	17.0	12.5
	450.0	460.5	10.5	0.43	842	4.3	23.1	18.8
	466.5	492.0	25.5	1.05	1762	0.9	17.9	13.4
including	**483.0**	**490.5**	**7.5**	**1.77**	2857	0.6	17.2	12.7
	495.0	510.5	15.5	0.76	1732	1.1	24.1	18.5
	513.0	529.5	16.5	0.53	1340	1.7	27.0	21.1
	553.5	572.5	19.0	0.67	1361	1.6	22.3	17.0
	633.0	639.0 (EOH)	6.0	0.31	697	3.7	26.1	20.5
MVP-12-02	25.1	129 (EOH)	103.9	0.12	319	13.8	36.7	31.4
MVP-12-02B	25.9	504 (EOH)	478.1	0.12	391	12.4	40.8	32.1
including	286.4	345	58.6	0.24	528	5.3	26.3	20.1

* Downhole length, true width not known

TREO (Total Rare Earth Oxide) grade includes CeO_2, Dy_2O_3, Er_2O_3, Eu_2O_3, Gd_2O_3, Ho_2O_3, La_2O_3, Lu_2O_3, Nd_2O_3, Pr_6O_{11}, Sm_2O_3, Tb_4O_7, Tm_2O_3, Yb_2O_3 and Y_2O_3 and is calculated using standard oxide conversion factors for each element (see Appendix III).

NdPr grade includes Nd_2O_3 and Pr_6O_{11}.

HREO (Heavy Rare Earth Oxide) grade includes 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 and Y_2O_3. Shown as percentage of TREO.

MREO (Magnet Rare Earth Oxide) grade includes Nd_2O_3, Pr_6O_{11}, Sm_2O_3, Gd_2O_3, Tb_4O_7, Dy_2O_3, and Ho_2O_3. Shown as percentage of TREO.

CREO (Critical Rare Earth Oxide) grade includes Nd_2O_3, Eu_2O_3, Tb_4O_7, Dy_2O_3 and Y_2O_3. Shown as percentage of TREO.

The average content of both uranium and thorium in the drill hole samples is low (Table 3) and consequently the mineralisation has low radioactivity. This is a particular advantage for any future permitting of mining and processing operations.

Table 3: Uranium and Thorium Content Summary

Hole ID	From (m)	To (m)	Length (m)	Average U (ppm)	Max U (ppm)	Average Th (ppm)	Max Th (ppm)
MVX-12-01	37.0	639.0	602.0	6.6	75.5	43.1	363.1
MVP-12-02B	25.9	504.0	478.1	9.9	91.6	37	142

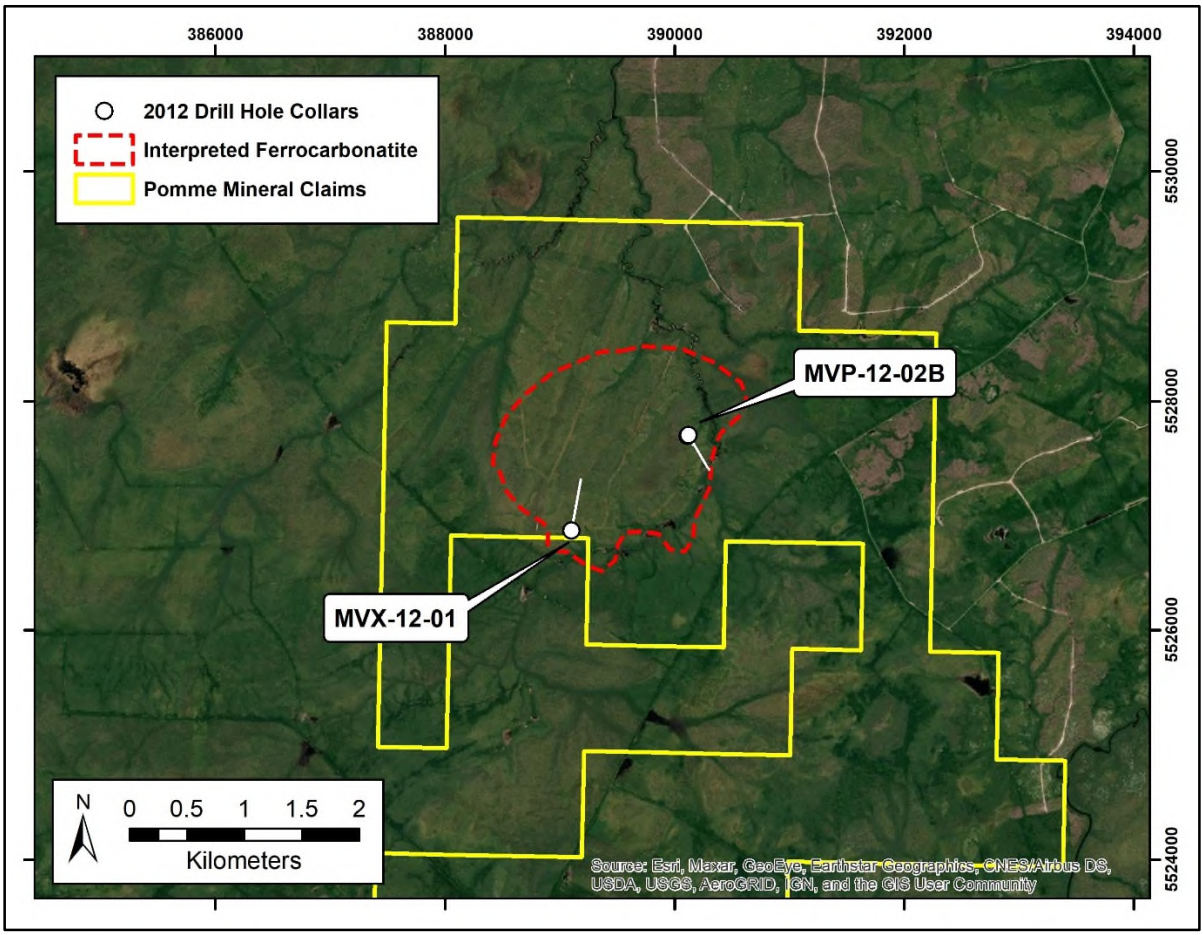

Figure 5: Location map of historical Pomme project diamond drill holes.

No metallurgical testing has been completed on the mineralised drill core from the Pomme project. However, given the observed similarity of the host rocks and mineralisation at Pomme compared with the Montviel deposit (see below) the metallurgical characteristics are likewise expected to be similar.

MONTVIEL REE-Nb DEPOSIT

The Project vendor, Geomega Resources Inc. (**Geomega**), is a listed Canadian company (**TSX.V: GMA**) (**OTC: GOMRF**) developing clean technologies for the mining, refining and recycling of rare earth elements and other critical materials (see www.geomega.ca for more information).

Geomega owns 100% of the Montviel carbonatite REE-Nb deposit, which is located approximately 7km south of the Pomme project. Montviel is described by Geomega as both the largest bastnaesite REE resource in North America and also as the most accessible undeveloped REE project in Canada. The Montviel deposit is not part of the option agreement to acquire the Pomme project.

The Montviel deposit has an estimated total Indicated and Inferred resource of 267 Mt @ 1.46% TREO and 1,439ppm Nb_2O_5 (Table 4) (*Belzile Solutions Inc. and G Mining Services Inc., 2015*). The deposit occurs as a REE-Nb mineralised ferro-carbonatite over a length of 900m (NE-SW), a width of 650m (NW-SE) and extends to 750m depth below surface. Within the resource is also a zone of elevated dysprosium (Dy) grades.

Table 4: Montviel Deposit Resource Estimate

Resource			Pr_2O_3		Nd_20_3		Nb_2O_5	
Category	Tonnes (Mt)	TREO (%)	Grade (ppm)	Contained Metal (t '000)	Grade (ppm)	Contained Metal (t '000)	Grade (ppm)	Contained Metal (t '000)
Indicated	82.4	1.51	766	63.2	2,452	202.0	1,715	141.3
Inferred	184.2	1.43	746	137.4	2,433	448.3	1,315	242.3
Total	**266.6**	**1.46**	**752**	**200.5**	**2,439**	**650.2**	**1,439**	**383.5**

TREO (Total Rare Earth Oxide) grade includes Ce_2O_3, Dy_2O_3, Er_2O_3, Eu_2O_3, Gd_2O_3, Ho_2O_3, La_2O_3, Lu_2O_3, Nd_2O_3, Pr_2O_3, Sm_2O_3, Tb_2O_3, Tm_2O_3, Yb_2O_3 and Y_2O_3.

Note that discrepancies may occur due to rounding of values.

Mineral resources are estimated and reported in compliance with NI 43-101. Mineral resources are not mineral reserves and do not have demonstrated economic viability.

Investors are cautioned that the Project has no reported mineral resources or ore reserves and that the proximity of the Project to Geomega's Montviel deposit and any geological similarities with that deposit are no guarantee that the Project will be prospective for an economic reserve.

Since its discovery in 2010 and subsequent resource delineation, Geomega have undertaken extensive metallurgical test work on the Montviel deposit. The work demonstrated that effective recovery of REE and Nb could be achieved using a combination of flotation and hydrometallurgy processes (*Belzile Solutions Inc. and G Mining Services Inc., 2015*). Recovery of a phosphate product is also feasible.

Geomega underwent a strategic change in direction in 2016 away from exploration in order to focus on mineral processing technologies. They have subsequently de-merged their exploration portfolio (apart from the Pomme and Montviel projects) and developed a proprietary and patented metallurgical process (US15/578,498) for the treatment of the REE mineralisation. This process technology is currently in optimisation stage. Mt Monger will engage further with Geomega as exploration advances with a view to being given the opportunity to test their technology as a potential processing option for a future development of the Pomme project.

EXPLORATION OPPORTUNITY

The Company considers the Pomme project to be a compelling opportunity for the discovery and future delineation of a REE-Nb resource.

Worldwide, carbonatites are major sources of both REE and niobium, and are characterised by significant enrichment in LREE over HREE (*Wang et al, 2020*) including neodymium and praseodymium (NdPr). REE and niobium have been designated as critical minerals in both Australia and Canada principally due to their importance in the global clean energy transition and in the manufacture of advanced technologies (Table 5).

However, carbonatites are relatively rare rocks and even fewer occurrences contain economic resources. Approximately 600 carbonatites have been discovered globally (*Yaxley et al, 2022*) but only around 20% of these contain mineral resource estimates and only around 10% of carbonatites have been mined (*Woolley and Kjarsgaard, 2008*). Consequently, the supply of REE and Nb from these sources has been heavily constrained.

The Pomme project provides Mt Monger with an excellent technical opportunity to advance the exploration and development program on a known carbonatite that has already been shown by limited, wide-spaced historical drilling to contain significant grades and widths of

REE and Nd mineralisation. The Project is located adjacent to the Montviel REE-Nb deposit which is one of the more significant undeveloped carbonatite-hosted deposits worldwide. The Company expects to be able to leverage the technical knowledge gained by Geomega for the effective exploration of the Project claims (subject to agreeing a services agreement).

Table 5: REE and Nb Summary from the Canadian Critical Minerals Strategy 2022

Critical Minerals	Value Chains	Major Applications	Examples of Specific Products
Rare Earth Elements	Zero-emission vehicles	Permanent magnets for electricity generators and motors	Flat screens, touch screens, LED lights, permanent magnets, electronic components, EV drive trains, wind turbines, aircraft components, vehicle components, speakers, steel manufacturing, battery anodes, chemical catalysts, glass manufacturing, specialized glass lenses.
Niobium	Clean technologies and advanced manufacturing	Construction, transportation	Metal alloys (steel), jet engines, rockets, construction beams, building girders, oil rigs and pipelines, superconducting magnets, MRI scanners, NMR equipment, eyeglasses, titanium niobium oxide anode materials.

The Pomme project has an easily accessible location and excellent local mining infrastructure. Furthermore, Québec is a supportive, stable jurisdiction with a long history of mineral exploration, extraction, processing, manufacturing and recycling. Canada is also a world leader in environmental, social and governance standards with respect to mining.

POMME PROJECT WORK PROGRAM

Geomega's existing exploration infrastructure on and nearby the claims will be utilised by Mt Monger during the upcoming work program on the Pomme project. Subject to the entry into a services agreement, Mt Monger is able to engage the Geomega technical team for the implementation and management of the work program, which provides the Company with existing geological knowledge and know-how when working in the area and specifically at the Pomme project.

The Company is currently working with Geomega to develop a plan for an initial diamond drilling program at the Pomme project. Drill holes will be designed to provide a more comprehensive geological evaluation of the Pomme carbonatite intrusion and to assess the extent, grade and continuity of the REE-Nb mineralisation hosted within it. Subject to statutory permitting and access constraints due to winter conditions it is envisaged that this drilling will commence in April or May of 2023.

Once fresh diamond drill core is available, the Company will undertake a program of metallurgical test work and develop a conceptual process flowsheet. The results of metallurgical testing completed at the Montviel deposit will act as the initial guide for this critical technical work. The Company currently has access to consultants with relevant metallurgical experience and will look to engage additional expertise to evaluate possible processing alternatives.

The Company's Managing Director will be undertaking a visit to the project area in the near future to discuss the full scope of the drilling program with Geomega and to meet with key representatives of the local municipality and the Cree First Nations community.

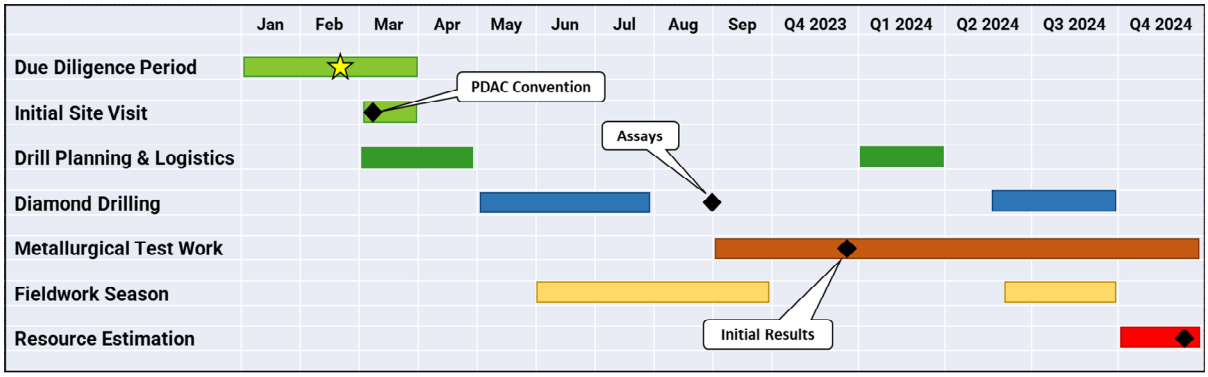

Figure 6: Proposed Pomme Project Work Program (indicative only and subject to change).

OPTION AGREEMENT

The Company has executed a binding option agreement with the shareholders (**CEE Shareholders**) of Critical Element Exploration Pty Ltd (**CEE**) (**MTM-CEE Option Agreement**) to acquire the option to purchase (**MTM-CEE Option**) 100% of the shares in CEE. CEE in turn is party to a separate binding option agreement (**CEE-GMA Option Agreement**) to acquire a 100% interest in the Pomme claims currently held by Geomega (**CEE-GMA Option**).

The Company will be required to satisfy aggregate consideration of AUD $1,050,000 in cash and shares in order to exercise the Option (Table 6). Furthermore, the Company will have a AUD$2,000,000 exploration expenditure commitment over 3 years.

Table 6: Summary of Consideration for the Pomme Project Claims

	Option Fee	Upon Execution of MTM-CEE Option Agreement	Upon Execution of CEE-GMA Option Agreement	12 month anniversary	24 month anniversary
Geomega (cash)	$Nil	$Nil	$50,000	$100,000	$100,000
Geomega (MTM shares)	$Nil	$Nil	$50,000	$100,000	$100,000
CEE Shareholders (cash)	$20,000 ***(Paid)***	$30,000	$Nil	$Nil	$Nil
CEE Shareholders (MTM shares)	$Nil	$200,000 *(50% Escrowed for 6 months)*	$Nil	$200,000	$100,000
TOTAL:	**$20,000**	**$230,000**	**$100,000**	**$400,000**	**$300,000**

Under the MTM-CEE Option Agreement (all of which will be paid to the CEE Shareholders in proportion to their percentage shareholdings in CEE):

i. A non-refundable AUD $20,000 option fee (which has previously been paid) (which CEE warrants it used solely in satisfaction of its payment obligation to Geomega, as set out below).

ii. On completion of the MTM-CEE Option (following which MTM will receive title to all of the issued capital in CEE): (1) AUD $30,000 cash; and (2) AUD $200,000 worth of fully

paid ordinary shares (**Completion Shares**) in MTM (based on a 10-day VWAP) (**MTM Shares**), half of which will be subject to six months' voluntary escrow.

iii. On the first anniversary of completion of the MTM-CEE Option, AUD $200,000 of MTM Shares (based on a 10-day VWAP), subject to shareholder approval or, failing shareholder approval being granted, the cash equivalent.

iv. On the second anniversary of completion of the MTM-CEE Option, AUD $100,000 of MTM Shares (based on a 10-day VWAP), subject to shareholder approval or, failing shareholder approval being granted, the cash equivalent.

Under the CEE-GMA Option Agreement (all of which will be paid to Geomega):

i. Payment of an initial option fee of AUD $20,000 (which has previously been paid utilising the funds referred to in paragraph i. above).

ii. On exercise of the CEE-GMA Option: (1) AUD $50,000 cash; (2) AUD $50,000 of MTM Shares (based on a 10-day VWAP); and (3) a 2% net smelter royalty on all minerals obtained from the Project (1% of which may be re-purchased by CEE for AUD $1,000,000).

iii. On the first anniversary of exercise of the CEE-GMA Option: (1) AUD $100,000 cash; and (2) AUD $100,000 MTM Shares (based on a 10-day VWAP) subject to shareholder approval or, failing shareholder approval being granted, the cash equivalent.

iv. On the second anniversary of exercise of the CEE-GMA Option: (1) AUD $100,000 cash; and (2) AUD $100,000 MTM Shares (based on a 10-day VWAP) subject to shareholder approval or, failing shareholder approval being granted, the cash equivalent.

v. For the duration of the term of the CEE-GMA Option, CEE must satisfy the following annual expenditure commitments on the Project to acquire title to the Project (collectively, **Expenditure Commitments**): (1) AUD $300,000 in the first year; (2) AUD $700,000 in the second year; and (3) AUD $1,000,000 in the third year.

Material terms of the MTM-CEE Option Agreement:

The other material terms of the MTM-CEE Option Agreement are as follows:

i. The option for the Company to acquire CEE may be exercised within 45 days following the execution of the agreement (**MTM-CEE End Date**); and

ii. The agreement otherwise contains terms and conditions considered standard for an agreement of this nature.

All conditions precedent to the MTM-CEE Option Agreement have been satisfied.

Material terms of the CEE-GMA Option Agreement:

The other material terms of the CEE-GMA Option Agreement are as follows:

i. The option for CEE to acquire the Project (by satisfying the Expenditure Commitments) may be exercised within 120 days following the execution of the agreement (**CEE-GMA End Date**);

ii. Completion is subject to a conditions precedent that completion occur pursuant to the MTM-CEE Option Agreement;

iii. Mt Monger grants Geomega a right of first refusal for all contractual work undertaken on the Project subject to rates charged for work being at or below the industry standard for the region and availability of personnel and equipment to complete the work required;

iv. CEE will be provided with the right to access and travel over the Project, undertake eligible activities thereon and take samples sin order to satisfy the Expenditure Commitments (and will be entitled to determine the nature, location, timing and conduct of all eligible activities at its sole discretion); and

v. The agreement otherwise contains terms and conditions considered standard for an agreement of this nature.

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This announcement is authorised for release on behalf the Board by Mr Lachlan Reynolds, Managing Director.

For further information, please contact:

Lachlan Reynolds
Managing Director
Mt Monger Resources Limited
Tel: +61 (0)8 6391 0112
Email: lachlan@mtmongerresources.com.au

Simon Adams
Company Secretary
Mt Monger Resources Limited
Tel: +61 (0)8 6391 0112
Email: simon@mtmongerresources.com.au

About Mt Monger Resources Limited

Mt Monger Resources Limited is an exploration company which is focused on searching for rare earth elements (REE), gold, lithium, nickel, and base metals in the Goldfields and Ravensthorpe districts of Western Australia and in the Abitibi region of the Province of Québec. The Company holds over 4,500km^2 of tenements in three prolific and highly prospective mineral regions in Western Australia and has an option to acquire, through an earn-in arrangement, a 100% interest in 2,400 ha of exploration rights in Québec, Canada. The East Laverton Projects is made up of a regionally extensive package of underexplored tenements prospective for REE, gold and base metals. The Mt Monger Gold Project comprises an area containing known gold deposits and occurrences in the Mt Monger area, located ~70km SE of Kalgoorlie and immediately adjacent to the Randalls gold mill operated by Silver Lake Resources Limited. The Ravensthorpe Project contains a package of tenements in the southern part of Western Australia between Esperance and Bremer Bay which are prospective for a range of minerals including REE, lithium, nickel and graphite. The Pomme project on Québec is a known carbonatite intrusion that is enriched in REE and niobium (Nb) and is considered to be an extremely prospective exploration target adjacent to a world class REE resource (Montviel). Priority drilling targets have been identified in all project areas and the Company is well funded to undertake effective exploration programs. The Company has an experienced Board and management team which is focused on discovery to increase value for Shareholders.

Competent Person's Statement

The information in this announcement that relates to exploration results on the Project is based on, and fairly represents information and supporting documentation compiled by Mr Lachlan Reynolds. Mr Reynolds is the Managing Director and a shareholder of Mt Monger Resources Limited. Mr Reynolds is not aware of any other relationship with Mt Monger Resources Limited which could constitute a potential conflict of interest. Mr Reynolds is a member of both the Australasian Institute of Mining and Metallurgy and the Australasian Institute of Geoscientists. Mr Reynolds has sufficient experience of relevance to the styles of mineralisation and types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Reynolds consents as to the form and context in which the exploration results and supporting information are presented in this announcement.

Previous Disclosure

The information in this announcement is not based on any previous Mt Monger Resources Limited ASX announcements.

Cautionary Statement Regarding Values & Forward-Looking Information

The figures, valuations, forecasts, estimates, opinions and projections contained herein involve elements of subjective judgment and analysis and assumption. Mt Monger Resources does not accept any liability in relation to any such matters, or to inform the Recipient of any matter arising or coming to the company's notice after the date of this document which may affect any matter referred to herein. Any opinions expressed in this material are subject to change without notice, including as a result of using different assumptions and criteria. This document may contain forward-looking statements. Forward-looking statements are often, but not always, identified by the use of words such as "seek", "anticipate", "believe", "plan", "expect", and "intend" and statements than an event or result "may", "will", "should", "could", or "might" occur or be achieved and other similar expressions. Forward-looking information is subject to business, legal and economic risks and uncertainties and other factors that could cause actual results to differ materially from those contained in forward-looking statements. Such factors include, among other things, risks relating to property interests, the global economic climate, commodity prices, sovereign and legal risks, and environmental risks. Forward-looking statements are based upon estimates and opinions at the date the statements are made. Mt Monger Resources undertakes no obligation to update these forward-looking statements for events or circumstances that occur subsequent to such dates or to update or keep current any of the information contained herein. The Recipient should not place undue reliance upon forward-looking statements. Any estimates or projections as to events that may occur in the future (including projections of revenue, expense, net income and performance) are based upon the best judgment of Mt Monger Resources from information available as of the date of this document. There is no guarantee that any of these estimates or projections will be achieved. Actual results will vary from the projections and such variations may be material. Nothing contained herein is, or shall be relied upon as, a promise or representation as to the past or future. Mt Monger Resources, its affiliates, directors, employees and/or agents expressly disclaim any and all liability relating or resulting from the use of all or any part of this document or any of the information contained herein.

APPENDIX I – POMME PROJECT MINERAL CLAIMS

Title #	Issue Date	Expiry Date	Area (hectares)	Owner %	Name of Owner	Existing Royalty (NiogoId)	Vendor Royalty (Geomega)
CDC121	18/07/2003	17/07/2024	55.52	100	Ressources Géoméga inc.	2%	1%
CDC122	18/07/2003	17/07/2024	55.51	100	Ressources Géoméga inc.	2%	1%
CDC1005980	4/04/2001	3/04/2024	55.52	100	Ressources Géoméga inc.	2%	1%
CDC1005982	4/04/2001	3/04/2024	55.51	100	Ressources Géoméga inc.	2%	1%
CDC1005983	4/04/2001	3/04/2024	55.51	100	Ressources Géoméga inc.	2%	1%
CDC2234423	19/05/2010	18/05/2023	55.49	100	Ressources Géoméga inc.	2%	1%
CDC2234424	19/05/2010	18/05/2023	55.49	100	Ressources Géoméga inc.	2%	1%
CDC2234425	19/05/2010	18/05/2023	55.48	100	Ressources Géoméga inc.	2%	1%
CDC2234426	19/05/2010	18/05/2023	55.48	100	Ressources Géoméga inc.	2%	1%
CDC2234427	19/05/2010	18/05/2023	55.48	100	Ressources Géoméga inc.	2%	1%
CDC2234428	19/05/2010	18/05/2023	55.47	100	Ressources Géoméga inc.	2%	1%
CDC2234429	19/05/2010	18/05/2023	55.47	100	Ressources Géoméga inc.	2%	1%
CDC2234430	19/05/2010	18/05/2023	55.47	100	Ressources Géoméga inc.	2%	1%
CDC2234431	19/05/2010	18/05/2023	55.47	100	Ressources Géoméga inc.	2%	1%
CDC2234432	19/05/2010	18/05/2023	55.47	100	Ressources Géoméga inc.	2%	1%
CDC2234433	19/05/2010	18/05/2023	55.47	100	Ressources Géoméga inc.	2%	1%
CDC2240300	12/07/2010	11/07/2023	55.52	100	Ressources Géoméga inc.	2%	1%
CDC2240301	12/07/2010	11/07/2023	55.5	100	Ressources Géoméga inc.	2%	1%
CDC2240302	12/07/2010	11/07/2023	55.49	100	Ressources Géoméga inc.	2%	1%
CDC2240303	12/07/2010	11/07/2023	55.49	100	Ressources Géoméga inc.	2%	1%
CDC2240304	12/07/2010	11/07/2023	55.48	100	Ressources Géoméga inc.	2%	1%
CDC2240305	12/07/2010	11/07/2023	55.48	100	Ressources Géoméga inc.	2%	1%
CDC2240306	12/07/2010	11/07/2023	55.47	100	Ressources Géoméga inc.	2%	1%
CDC2240307	12/07/2010	11/07/2023	55.47	100	Ressources Géoméga inc.	2%	1%
CDC2240309	12/07/2010	11/07/2023	55.46	100	Ressources Géoméga inc.	2%	1%
CDC2240310	12/07/2010	11/07/2023	55.46	100	Ressources Géoméga inc.	2%	1%
CDC2240311	12/07/2010	11/07/2023	55.46	100	Ressources Géoméga inc.	2%	1%
CDC2240312	12/07/2010	11/07/2023	55.46	100	Ressources Géoméga inc.	2%	1%
CDC2240313	12/07/2010	11/07/2023	55.46	100	Ressources Géoméga inc.	2%	1%
CDC2458316	17/08/2016	16/08/2023	55.48	100	Ressources Géoméga inc.	-	2%
CDC2458327	17/08/2016	16/08/2023	55.53	100	Ressources Géoméga inc.	-	2%
CDC2458328	17/08/2016	16/08/2023	55.52	100	Ressources Géoméga inc.	-	2%

Title #	Issue Date	Expiry Date	Area (hectares)	Owner %	Name of Owner	Existing Royalty (Niogold)	Vendor Royalty (Geomega)
CDC2458329	17/08/2016	16/08/2023	55.52	100	Ressources Géoméga inc.	-	2%
CDC2458330	17/08/2016	16/08/2023	55.52	100	Ressources Géoméga inc.	-	2%
CDC2458331	17/08/2016	16/08/2023	55.51	100	Ressources Géoméga inc.	-	2%
CDC2458332	18/08/2016	17/08/2023	55.51	100	Ressources Géoméga inc.	-	2%
CDC2458333	18/08/2016	17/08/2023	55.5	100	Ressources Géoméga inc.	-	2%
CDC2458334	18/08/2016	17/08/2023	55.5	100	Ressources Géoméga inc.	-	2%
CDC2458345	18/08/2016	17/08/2023	55.51	100	Ressources Géoméga inc.	-	2%
CDC2458346	18/08/2016	17/08/2023	55.51	100	Ressources Géoméga inc.	-	2%
CDC2458349	18/08/2016	17/08/2023	55.5	100	Ressources Géoméga inc.	-	2%
CDC2522460	7/09/2018	6/09/2023	55.48	100	Ressources Géoméga inc.	-	2%
CDC2598360	16/02/2021	15/02/2024	55.48	100	Ressources Géoméga inc.	-	2%

APPENDIX II – POMME DIAMOND DRILL HOLES

Hole ID	Easting	Northing	RL (m)	Azi (º)	Dip (º)	EOH (m)	Comment
MVP-12-02	390114	5527699	284	150	-45	129	Abandoned
MVP-12-02B	390122	5527707	284	150	-45	504	
MVX-12-01	389102	5526866	284	10	-45	639	

Coordinates are based on NAD 83 (North American Datum 1983) UTM Zone 18

APPENDIX III – RARE EARTH ELEMENT, NIOBIUM AND PHOSPHORUS ASSAY RESULTS

Hole ID	From (m)	To (m)	Interval (m)	CeO_2 (ppm)	La_2O_3 (ppm)	Nd_2O_3 (ppm)	Pr_6O_{11} (ppm)	Sm_2O_3 (ppm)	Gd_2O_3 (ppm)	Dy_2O_3 (ppm)	Er_2O_3 (ppm)	Eu_2O_3 (ppm)	Ho_2O_3 (ppm)	Lu_2O_3 (ppm)	Tb_4O_7 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	Nb_2O_5 (ppm)	P_2O_5 (%)
MVP-12-02	25.10	27.00	1.9	881	375	489	115	92	65	31	10.6	24.7	4.6	0.7	7.4	1.1	6.1	126	2230	604	747	2.93
MVP-12-02	27.00	28.90	1.9	495	199	273	71	52	37	18	6.6	13.8	2.8	0.5	4.4	0.7	4.0	79	1258	344	775	3.05
MVP-12-02	28.90	30.00	1.1	324	112	175	48	28	19	10	3.9	7.3	1.6	0.3	2.3	0.4	2.6	44	779	223	186	1.36
MVP-12-02	30.00	31.50	1.5	607	210	374	94	72	49	25	9.0	18.6	3.8	0.7	5.8	1.0	5.7	106	1582	468		3.92
MVP-12-02	31.50	33.00	1.5	690	289	314	92	39	25	10	4.0	8.9	1.6	0.3	2.7	0.4	2.6	45	1525	406	611	1.06
MVP-12-02	33.00	34.50	1.5	500	175	306	78	52	36	17	6.2	13.3	2.6	0.5	4.2	0.7	4.2	69	1264	384	516	1.56
MVP-12-02	34.50	36.00	1.5	550	188	342	84	66	49	25	8.2	18.2	3.7	0.5	5.9	0.8	4.6	100	1446	426		3.36
MVP-12-02	36.00	37.50	1.5	888	307	521	126	84	54	23	7.2	21.2	3.3	0.5	5.9	0.8	4.2	83	2129	647	1423	2.76
MVP-12-02	37.50	39.00	1.5	628	209	372	97	56	32	10	3.0	13.2	1.4	0.2	3.0	0.3	2.0	34	1461	469		0.65
MVP-12-02	39.00	40.50	1.5	650	224	400	97	76	54	25	8.9	19.6	3.7	0.6	6.2	0.9	5.5	107	1678	497		3.57
MVP-12-02	40.50	42.00	1.5	260	96	175	42	41	34	19	7.1	12.2	3.0	0.5	4.3	0.8	4.4	85	783	217	697	2.65
MVP-12-02	42.00	43.50	1.5	646	212	485	105	116	92	46	15.9	33.9	7.0	1.1	11.1	1.7	9.3	184	1966	590	1083	6.52
MVP-12-02	43.50	45.00	1.5	246	83	159	39	30	22	11	3.9	8.0	1.7	0.3	2.7	0.4	2.7	48	658	198	534	1.42
MVP-12-02	45.00	46.50	1.5	224	86	152	35	37	30	16	5.6	11.2	2.5	0.4	3.7	0.6	3.3	63	670	187	393	2.32
MVP-12-02	46.50	48.00	1.5	283	117	142	38	25	18	8	2.7	6.6	1.2	0.2	2.0	0.3	1.8	34	680	180	265	0.73
MVP-12-02	48.00	49.50	1.5	326	123	191	50	39	31	17	5.5	11.8	2.5	0.4	3.9	0.6	3.3	66	871	241	724	2.21
MVP-12-02	49.50	51.00	1.5	215	87	126	31	28	23	12	4.3	8.4	1.8	0.4	2.8	0.5	3.1	53	596	157	429	1.78
MVP-12-02	51.00	52.50	1.5	451	164	255	67	48	38	22	8.0	13.7	3.4	0.5	5.1	0.9	4.7	98	1180	323	647	3.23
MVP-12-02	52.50	54.20	1.7	369	152	195	52	37	29	15	5.5	10.4	2.4	0.4	3.5	0.6	3.5	62	938	247	675	2.74
MVP-12-02	54.20	56.20	2.0	625	211	469	105	108	81	42	15.4	30.6	6.8	1.0	9.7	1.6	8.5	168	1883	574		6.67
MVP-12-02	56.20	57.20	1.0	217	80	121	33	20	13	5	1.7	4.7	0.8	0.1	1.4	0.2	1.0	20	519	154	373	0.78
MVP-12-02	57.20	58.50	1.3	172	65	94	25	18	14	7	1.9	5.1	0.9	0.1	1.7	0.2	1.1	26	431	118	167	0.69
MVP-12-02	58.50	60.00	1.5	366	143	197	51	38	30	14	4.3	11.4	1.9	0.4	3.5	0.5	2.9	55	921	249	299	1.93
MVP-12-02	60.00	61.50	1.5	346	106	161	47	19	11	4	1.0	4.2	0.5	0.1	1.1	0.1	0.9	14	716	208	255	0.24
MVP-12-02	61.50	63.00	1.5	326	117	192	47	36	27	13	4.2	9.9	1.9	0.3	3.1	0.4	2.4	52	831	240	1167	1.63
MVP-12-02	63.00	64.50	1.5	262	95	152	38	23	13	4	1.4	5.3	0.6	0.1	1.2	0.2	1.1	17	613	190	375	0.35
MVP-12-02	64.50	66.00	1.5	185	75	93	25	14	8	2	0.8	3.2	0.3	0.1	0.7	0.1	0.8	10	419	118	175	0.25
MVP-12-02	66.00	67.50	1.5	241	95	122	32	22	17	11	3.9	6.2	1.7	0.2	2.3	0.4	2.1	49	606	155	263	2.18
MVP-12-02	67.50	69.00	1.5	294	118	154	40	28	19	8	2.8	7.5	1.2	0.2	2.1	0.3	1.7	34	711	194	250	1.38
MVP-12-02	69.00	70.50	1.5	209	81	122	30	24	19	13	4.9	6.9	2.1	0.3	2.7	0.5	2.6	61	580	153	389	2.39
MVP-12-02	70.50	72.00	1.5	292	112	203	44	59	59	41	12.7	20.0	6.1	0.6	8.6	1.2	5.8	161	1027	247	348	4.48
MVP-12-02	72.00	73.50	1.5	366	131	223	54	42	30	13	4.0	11.2	1.9	0.3	3.4	0.4	2.4	53	935	276	621	1.51
MVP-12-02	73.50	75.00	1.5	817	232	497	119	51	22	4	1.3	9.4	0.5	0.1	1.7	0.2	1.1	15	1771	616	139	0.03
MVP-12-02	75.00	76.50	1.5	459	123	313	79	35	17	4	1.2	7.2	0.5	0.1	1.5	0.1	1.0	15	1057	391	386	0.11
MVP-12-02	76.50	78.00	1.5	199	80	120	30	18	11	4	1.6	4.3	0.6	0.2	1.1	0.2	1.3	18	489	150	280	0.41
MVP-12-02	78.00	79.90	1.9	283	106	153	39	24	15	6	1.8	5.9	0.9	0.2	1.6	0.2	1.3	25	661	192	981	0.56
MVP-12-02	79.90	81.30	1.4	534	206	281	74	50	37	18	5.8	13.4	2.7	0.4	4.5	0.6	3.3	77	1308	355	788	2.46

Hole ID	From (m)	To (m)	Interval (m)	CeO_2 (ppm)	La_2O_3 (ppm)	Nd_2O_3 (ppm)	Pr_6O_{11} (ppm)	Sm_2O_3 (ppm)	Gd_2O_3 (ppm)	Dy_2O_3 (ppm)	Er_2O_3 (ppm)	Eu_2O_3 (ppm)	Ho_2O_3 (ppm)	Lu_2O_3 (ppm)	Tb_4O_7 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	Nb_2O_5 (ppm)	P_2O_5 (%)
MVP-12-02	81.30	82.80	1.5	598	223	367	87	85	74	43	13.6	25.6	6.4	0.8	9.7	1.4	7.3	173	1715	454		4.75
MVP-12-02	82.80	84.50	1.7	484	195	238	62	47	40	24	8.4	13.9	3.7	0.7	5.3	0.9	5.5	107	1235	300		2.32
MVP-12-02	84.50	86.50	2.0	219	85	121	31	26	23	15	5.3	7.8	2.3	0.4	3.2	0.5	3.1	68	610	152	714	2.46
MVP-12-02	86.50	88.50	2.0	220	88	125	31	30	28	19	6.6	9.6	2.9	0.4	4.0	0.7	3.6	83	651	155	528	2.80
MVP-12-02	88.50	90.00	1.5	324	142	190	46	42	34	19	6.5	12.3	2.9	0.5	4.2	0.7	3.8	83	911	236	541	2.73
MVP-12-02	90.00	91.50	1.5	160	64	86	22	17	11	5	1.7	4.5	0.7	0.3	1.3	0.2	1.7	20	396	108	205	0.24
MVP-12-02	91.50	93.00	1.5	195	86	97	26	18	15	9	2.4	5.1	1.2	0.2	2.1	0.2	1.4	34	494	124	169	0.61
MVP-12-02	93.00	94.50	1.5	494	185	314	73	68	55	28	8.8	19.5	4.1	0.5	6.7	0.9	4.9	117	1380	387	1199	3.50
MVP-12-02	94.50	96.00	1.5	427	163	220	58	35	24	11	4.0	9.4	1.7	0.3	2.9	0.4	2.6	50	1012	279	1259	1.72
MVP-12-02	96.00	97.00	1.0	753	280	432	106	91	69	32	10.3	26.1	4.6	0.8	7.9	1.1	6.5	126	1945	537		6.21
MVP-12-02	97.00	98.00	1.0	706	250	481	108	106	77	34	10.7	29.4	4.9	0.8	8.4	1.1	6.4	137	1959	588	888	3.50
MVP-12-02	98.00	99.00	1.0	604	212	309	83	50	35	15	4.7	13.4	2.2	0.4	3.8	0.5	2.9	61	1396	392	359	1.58
MVP-12-02	99.00	100.60	1.6	556	211	289	75	51	39	19	6.5	14.1	2.9	0.5	4.7	0.7	4.2	84	1360	365	471	1.99
MVP-12-02	100.60	102.00	1.4	232	84	121	33	19	12	5	1.6	4.6	0.7	0.2	1.3	0.2	1.3	19	534	154	415	0.08
MVP-12-02	102.00	103.50	1.5	262	103	121	34	20	14	6	2.1	5.4	0.9	0.3	1.6	0.3	1.9	27	600	155		0.14
MVP-12-02	103.50	105.00	1.5	224	69	134	35	15	8	3	1.6	3.1	0.5	0.2	0.8	0.2	1.6	17	511	169	342	0.00
MVP-12-02	105.00	106.50	1.5	399	148	216	56	31	19	9	3.5	7.3	1.4	0.4	2.2	0.4	2.7	40	935	272	402	0.75
MVP-12-02	106.50	108.00	1.5	362	151	174	47	31	24	12	3.8	8.8	1.7	0.3	2.8	0.4	2.6	48	869	221	197	0.80
MVP-12-02	108.00	109.50	1.5	396	175	191	52	38	33	19	6.4	11.7	2.9	0.5	4.4	0.7	3.8	83	1017	243	614	1.93
MVP-12-02	109.50	111.00	1.5	638	265	355	89	79	66	38	12.9	23.5	5.8	0.8	8.5	1.3	7.2	157	1747	443	790	4.70
MVP-12-02	111.00	112.50	1.5	630	251	357	86	83	72	44	14.6	25.7	6.7	0.9	9.6	1.5	8.1	187	1777	443	1310	5.55
MVP-12-02	112.50	113.70	1.2	692	279	383	93	87	70	36	11.5	25.4	5.3	0.8	8.6	1.2	6.6	149	1847	475		5.65
MVP-12-02	113.70	115.60	1.9	1265	626	489	133	81	62	33	10.5	22.5	4.9	0.7	7.7	1.1	5.9	131	2873	622	534	3.87
MVP-12-02	115.60	117.00	1.4	644	278	332	85	69	56	32	10.8	20.3	4.9	0.8	7.2	1.2	6.8	136	1684	417	863	3.91
MVP-12-02	117.00	118.50	1.5	585	235	286	79	48	36	18	5.8	13.3	2.7	0.4	4.4	0.6	3.3	76	1393	364	857	2.62
MVP-12-02	118.50	120.00	1.5	516	190	287	75	44	32	16	5.1	11.7	2.4	0.4	3.9	0.5	3.0	69	1256	362	471	2.21
MVP-12-02	120.00	121.50	1.5	754	334	360	94	71	56	30	10.9	20.7	4.7	0.7	7.0	1.2	6.4	135	1886	454	1325	4.71
MVP-12-02	121.50	123.00	1.5	617	292	262	73	45	35	19	6.6	13.0	2.9	0.5	4.4	0.7	3.9	84	1459	336	791	2.38
MVP-12-02	123.00	124.50	1.5	798	362	374	100	71	54	31	11.3	20.3	5.1	0.8	6.8	1.2	6.5	138	1982	474	717	4.35
MVP-12-02	124.50	126.20	1.7	554	236	318	77	64	48	24	8.0	18.1	3.6	0.6	5.7	0.9	4.7	101	1463	395	409	3.00
MVP-12-02	126.20	127.50	1.3	275	116	136	35	31	26	15	5.1	9.7	2.3	0.4	3.5	0.5	3.2	67	727	172	338	2.13
MVP-12-02	127.50	129.00	1.5	662	266	290	85	43	31	14	4.9	11.1	2.1	0.4	3.5	0.5	3.5	63	1481	375	452	1.18
MVP-12-02B	25.90	27.00	1.1	1400	620	951	210	113	68	23	7.8	26.4	3.1	0.6	6.1	0.8	5.5	90	3526	1161	838	1.46
MVP-12-02B	27.00	28.50	1.5	635	281	355	94	46	31	14	4.8	11.5	1.8	0.4	3.1	0.5	3.5	46	1528	449	704	0.60
MVP-12-02B	28.50	30.00	1.5	416	152	296	59	51	37	19	6.0	13.3	2.4	0.4	3.9	0.6	3.4	59	1120	355	1041	2.15
MVP-12-02B	30.00	31.50	1.5	445	157	342	64	68	54	29	9.0	19.1	3.8	0.5	5.8	0.8	4.9	107	1309	406	1049	3.58
MVP-12-02B	31.50	33.00	1.5	564	235	395	91	68	45	21	7.0	17.3	2.8	0.5	4.5	0.7	4.2	82	1538	486	1392	2.43
MVP-12-02B	33.00	34.50	1.5	462	192	267	58	37	27	15	5.8	10.0	2.2	0.5	3.0	0.6	4.1	52	1137	325	270	1.30
MVP-12-02B	34.50	36.00	1.5	190	83	120	24	24	19	13	4.8	6.9	1.8	0.4	2.3	0.5	3.2	44	537	144	197	1.48
MVP-12-02B	36.00	37.50	1.5	378	123	316	57	61	48	29	9.9	17.4	4.0	0.6	5.6	1.0	6.0	116	1173	373	868	3.09

Hole ID	From (m)	To (m)	Interval (m)	CeO_2 (ppm)	La_2O_3 (ppm)	Nd_2O_3 (ppm)	Pr_6O_{11} (ppm)	Sm_2O_3 (ppm)	Gd_2O_3 (ppm)	Dy_2O_3 (ppm)	Er_2O_3 (ppm)	Eu_2O_3 (ppm)	Ho_2O_3 (ppm)	Lu_2O_3 (ppm)	Tb_4O_7 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	Nb_2O_5 (ppm)	P_2O_5 (%)
MVP-12-02B	37.50	39.00	1.5	549	185	388	93	64	46	22	7.7	17.3	2.9	0.6	4.7	0.8	5.4	87	1474	481	571	1.45
MVP-12-02B	39.00	40.50	1.5	1176	399	896	192	100	64	26	8.9	23.9	3.5	0.5	6.1	0.9	5.2	100	3000	1088	1167	1.70
MVP-12-02B	40.50	42.00	1.5	652	257	518	104	80	60	30	10.3	22.2	4.0	0.7	6.2	1.0	6.6	116	1868	622	1845	3.45
MVP-12-02B	42.00	43.50	1.5	507	176	418	91	67	42	19	7.3	16.7	2.7	0.6	4.1	0.8	5.6	65	1423	509	1110	1.24
MVP-12-02B	43.50	45.00	1.5	517	188	418	89	89	68	33	10.2	25.4	4.2	0.6	7.0	1.0	5.9	119	1574	507	1874	3.91
MVP-12-02B	45.00	46.50	1.5	527	196	500	91	95	74	38	11.7	27.4	4.8	0.7	7.9	1.1	6.6	135	1715	591	2317	4.62
MVP-12-02B	46.50	48.00	1.5	397	155	292	54	54	38	18	5.9	14.5	2.4	0.4	4.0	0.6	3.6	57	1096	346	744	1.89
MVP-12-02B	48.00	49.50	1.5	323	127	248	45	47	32	15	4.6	12.6	1.9	0.3	3.2	0.5	2.8	44	908	294	881	1.24
MVP-12-02B	49.50	51.00	1.5	156	47	109	21	23	19	10	3.7	6.7	1.4	0.3	2.1	0.4	2.8	34	438	130	298	0.78
MVP-12-02B	51.00	52.50	1.5	232	108	136	28	25	20	12	4.2	7.3	1.7	0.3	2.4	0.4	2.8	39	621	165	455	1.27
MVP-12-02B	52.50	54.00	1.5	350	148	231	45	45	35	21	6.8	13.1	2.8	0.4	4.0	0.7	3.9	66	972	276	644	3.21
MVP-12-02B	54.00	55.50	1.5	393	156	237	50	40	30	15	4.6	10.8	1.9	0.3	3.1	0.5	2.8	43	987	287	947	2.58
MVP-12-02B	55.50	57.00	1.5	613	223	512	102	79	60	28	9.5	21.2	3.8	0.6	6.1	0.9	6.0	105	1770	614	1817	4.08
MVP-12-02B	57.00	58.50	1.5	384	141	264	52	49	38	19	5.9	13.9	2.4	0.4	4.0	0.6	3.4	59	1036	315	594	1.93
MVP-12-02B	58.50	60.00	1.5	517	191	363	83	75	62	34	10.7	22.0	4.4	0.6	6.8	1.0	5.8	121	1498	446	2289	5.05
MVP-12-02B	60.00	61.50	1.5	662	257	539	107	101	87	51	16.1	31.5	6.7	0.9	10.0	1.5	8.9	183	2061	646	1123	8.15
MVP-12-02B	61.50	63.00	1.5	174	79	106	21	22	20	12	4.2	6.8	1.7	0.3	2.4	0.4	2.6	42	495	127	926	1.63
MVP-12-02B	63.00	64.50	1.5	117	41	61	13	11	10	7	2.4	3.6	1.0	0.2	1.2	0.2	1.5	23	293	75	433	0.99
MVP-12-02B	64.50	66.00	1.5	274	116	171	34	37	33	21	6.1	11.1	2.7	0.3	4.0	0.5	2.9	63	777	206	1616	2.55
MVP-12-02B	66.00	67.50	1.5	263	106	167	34	30	24	13	3.7	8.2	1.6	0.2	2.7	0.3	1.9	39	695	200	589	1.57
MVP-12-02B	67.50	69.00	1.5	182	82	108	22	20	16	10	2.8	5.9	1.2	0.2	1.9	0.3	1.5	29	483	130	350	1.13
MVP-12-02B	69.00	70.50	1.5	296	111	220	42	37	29	15	4.9	9.9	2.0	0.3	3.2	0.5	2.9	48	823	262	1285	1.95
MVP-12-02B	70.50	72.00	1.5	714	263	516	109	71	53	28	8.9	19.3	3.7	0.6	5.5	0.9	5.4	102	1898	625	1366	3.69
MVP-12-02B	72.00	73.50	1.5	611	199	401	104	39	20	5	1.6	7.8	0.6	0.2	1.6	0.2	1.4	15	1407	505	1225	0.18
MVP-12-02B	73.50	75.00	1.5	231	97	135	28	23	18	10	2.8	6.5	1.2	0.2	2.0	0.3	1.6	30	587	163	864	1.18
MVP-12-02B	75.00	76.50	1.5	328	150	184	39	31	21	11	3.2	7.8	1.4	0.2	2.3	0.3	1.8	33	813	223	953	1.55
MVP-12-02B	76.50	78.00	1.5	604	252	358	88	68	58	34	10.5	19.9	4.4	0.6	6.7	1.0	5.4	120	1631	447	1280	4.55
MVP-12-02B	78.00	79.50	1.5	278	123	160	34	31	25	16	5.3	8.4	2.2	0.3	2.9	0.5	2.8	52	739	194	399	2.06
MVP-12-02B	79.50	81.00	1.5	232	91	166	31	37	32	20	6.5	11.1	2.7	0.4	3.9	0.6	3.4	66	704	197	471	2.77
MVP-12-02B	81.00	82.40	1.4	204	83	148	27	32	25	14	4.8	9.5	1.9	0.3	2.9	0.5	2.9	47	604	175	1023	1.85
MVP-12-02B	82.40	84.40	2.0	599	226	485	94	92	78	42	13.4	27.8	5.6	0.8	8.7	1.2	7.3	160	1843	579	1588	4.99
MVP-12-02B	84.40	86.90	2.5	197	79	131	26	26	21	12	3.7	7.3	1.5	0.2	2.4	0.3	2.1	38	545	157	422	1.30
MVP-12-02B	86.90	88.50	1.6	231	100	134	28	28	27	19	5.7	9.1	2.4	0.3	3.5	0.5	2.7	60	651	162	446	2.94
MVP-12-02B	88.50	90.20	1.7	324	144	189	39	32	25	13	4.0	8.8	1.7	0.3	2.8	0.4	2.3	41	828	228	167	2.55
MVP-12-02B	90.20	92.20	2.0	619	250	414	96	85	71	42	13.4	24.8	5.5	0.8	8.1	1.2	7.6	155	1793	510	1356	6.14
MVP-12-02B	92.20	94.20	2.0	333	142	190	40	33	25	14	5.4	9.0	2.1	0.4	2.8	0.5	3.3	51	851	230	269	2.45
MVP-12-02B	94.20	96.20	2.0	1079	439	868	170	155	127	78	25.0	45.7	10.6	1.4	15.1	2.3	13.0	301	3329	1038	538	8.81
MVP-12-02B	96.20	97.50	1.3	445	220	205	47	28	20	11	3.6	7.2	1.4	0.3	2.3	0.4	2.2	36	1030	253	518	1.32
MVP-12-02B	97.50	99.00	1.5	152	43	108	21	14	8	3	1.2	3.1	0.4	0.1	0.7	0.1	1.1	10	367	129	150	0.09
MVP-12-02B	99.00	100.50	1.5	334	112	197	43	21	10	2	1.1	4.0	0.3	0.1	0.8	0.1	1.2	9	736	240	230	0.00

Hole ID	From (m)	To (m)	Interval (m)	CeO_2 (ppm)	La_2O_3 (ppm)	Nd_2O_3 (ppm)	Pr_6O_{11} (ppm)	Sm_2O_3 (ppm)	Gd_2O_3 (ppm)	Dy_2O_3 (ppm)	Er_2O_3 (ppm)	Eu_2O_3 (ppm)	Ho_2O_3 (ppm)	Lu_2O_3 (ppm)	Tb_4O_7 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	Nb_2O_5 (ppm)	P_2O_5 (%)
MVP-12-02B	100.50	102.00	1.5	224	57	166	32	24	17	9	3.4	6.3	1.2	0.3	1.9	0.4	2.6	32	576	197	326	0.92
MVP-12-02B	102.00	103.10	1.1	259	88	178	36	25	16	5	1.5	6.0	0.6	0.1	1.4	0.2	1.2	14	632	214	226	0.23
MVP-12-02B	103.10	105.00	1.9	340	129	261	46	68	70	33	8.2	23.3	3.8	0.5	7.5	0.8	4.6	107	1104	308	714	4.00
MVP-12-02B	105.00	106.50	1.5	271	92	164	34	21	10	3	1.0	4.5	0.4	0.1	0.8	0.1	1.0	10	614	199	108	0.15
MVP-12-02B	106.50	108.00	1.5	488	259	220	50	30	18	6	1.7	7.2	0.7	0.1	1.6	0.2	1.1	17	1101	270	222	0.53
MVP-12-02B	108.00	109.50	1.5	247	98	152	31	23	14	5	1.4	5.4	0.6	0.1	1.2	0.1	1.1	14	594	183	292	0.30
MVP-12-02B	109.50	111.00	1.5	156	42	106	21	16	10	4	1.3	3.6	0.5	0.1	0.9	0.1	1.1	13	374	126	193	0.16
MVP-12-02B	111.00	112.50	1.5	253	110	148	31	27	23	14	4.4	7.9	1.8	0.3	2.7	0.4	2.6	44	669	179	183	1.61
MVP-12-02B	112.50	114.00	1.5	561	219	385	89	72	58	31	10.3	21.0	4.2	0.6	6.3	1.0	5.8	124	1588	473	592	4.36
MVP-12-02B	114.00	115.50	1.5	785	298	593	121	92	70	36	11.4	25.5	4.8	0.7	7.7	1.1	6.2	141	2193	713	911	5.02
MVP-12-02B	115.50	117.00	1.5	547	209	378	86	75	63	36	11.2	22.0	4.7	0.7	7.2	1.1	6.4	137	1584	464	1123	4.21
MVP-12-02B	117.00	118.50	1.5	257	96	182	35	34	25	13	4.3	9.4	1.8	0.3	2.6	0.4	2.6	42	705	217	575	2.12
MVP-12-02B	118.50	120.00	1.5	334	134	232	43	47	38	21	6.9	13.9	2.8	0.5	4.4	0.7	4.2	69	952	275	863	2.74
MVP-12-02B	120.00	121.50	1.5	248	105	148	31	25	18	10	3.5	7.0	1.4	0.3	2.0	0.4	2.3	33	635	179	246	1.34
MVP-12-02B	121.50	123.00	1.5	604	269	372	87	71	54	28	8.6	20.0	3.6	0.5	5.8	0.8	4.9	98	1627	459	401	3.46
MVP-12-02B	123.00	124.50	1.5	410	195	237	49	43	33	17	5.3	12.2	2.2	0.4	3.6	0.5	3.6	55	1066	286	452	1.80
MVP-12-02B	124.50	126.00	1.5	639	273	539	102	95	77	41	13.3	26.4	5.4	0.9	8.2	1.3	7.8	154	1983	641	820	4.66
MVP-12-02B	126.00	127.50	1.5	705	321	437	102	94	78	46	15.3	27.7	6.1	1.0	8.8	1.5	9.1	180	2032	539	1040	5.36
MVP-12-02B	127.50	129.00	1.5	496	206	394	83	95	76	41	13.5	28.0	5.5	0.9	8.2	1.3	8.1	154	1611	477	565	4.76
MVP-12-02B	129.00	130.50	1.5	633	311	380	90	71	53	28	8.7	19.9	3.6	0.5	5.6	0.8	5.0	101	1711	470	840	3.14
MVP-12-02B	130.50	132.00	1.5	558	263	344	66	63	47	23	7.5	17.1	3.0	0.5	4.8	0.7	4.7	76	1479	410	768	2.76
MVP-12-02B	132.00	133.50	1.5	1034	619	569	126	82	58	31	11.2	21.5	4.4	0.8	6.2	1.1	7.1	127	2699	695	452	3.39
MVP-12-02B	133.50	135.00	1.5	803	373	551	111	103	86	53	18.3	30.7	7.3	1.0	10.0	1.7	9.9	215	2374	661	1545	7.45
MVP-12-02B	135.00	137.00	2.0	846	408	561	113	102	86	50	16.7	30.7	6.7	1.0	9.8	1.6	9.3	199	2442	674	708	4.81
MVP-12-02B	137.00	138.60	1.6	968	558	352	107	42	26	10	4.3	9.9	1.5	0.5	2.5	0.6	4.4	43	2131	459	308	0.14
MVP-12-02B	138.60	139.80	1.2	400	150	330	55	81	66	45	15.9	24.0	6.3	1.0	7.9	1.5	9.1	185	1379	385	189	5.78
MVP-12-02B	139.80	141.00	1.2	135	42	76	15	15	12	7	2.7	4.3	1.0	0.3	1.3	0.3	2.1	25	340	92	256	0.48
MVP-12-02B	141.00	142.50	1.5	445	152	439	86	63	35	15	4.9	13.8	2.0	0.3	3.3	0.5	3.0	51	1312	524	559	1.55
MVP-12-02B	142.50	144.00	1.5	172	50	140	24	34	25	13	4.7	9.4	1.9	0.3	2.7	0.4	2.9	47	527	164	617	1.10
MVP-12-02B	144.00	146.00	2.0	171	50	104	21	19	13	6	2.0	5.1	0.8	0.2	1.4	0.2	1.6	20	416	125	192	0.52
MVP-12-02B	146.00	147.00	1.0	553	217	400	86	98	83	49	16.4	30.2	6.7	0.9	9.4	1.5	8.8	190	1750	486	1040	5.73
MVP-12-02B	147.00	148.70	1.7	100	206	308	202	68	57	31	10.1	20.4	4.9	0.7	7.2	1.1	5.7	121	1142	510	795	4.47
MVP-12-02B	148.70	150.00	1.3	93	208	294	192	64	49	27	8.6	18.4	4.3	0.6	6.4	0.9	4.7	99	1069	486	2360	3.19
MVP-12-02B	150.00	151.50	1.5	79	161	304	181	75	61	32	9.5	22.7	4.8	0.6	7.6	1.0	4.8	113	1057	486	734	4.04
MVP-12-02B	151.50	153.00	1.5	46	104	121	90	20	13	6	2.1	5.1	1.0	0.3	1.7	0.3	2.0	25	438	211	129	0.51
MVP-12-02B	153.00	154.50	1.5	47	99	140	99	18	10	4	1.5	4.1	0.6	0.2	1.1	0.2	1.5	15	441	239	165	0.19
MVP-12-02B	154.50	156.00	1.5	103	217	308	209	52	37	20	6.9	13.8	3.2	0.6	4.8	0.8	4.4	80	1061	517	338	2.32
MVP-12-02B	156.00	157.50	1.5	93	222	281	188	59	45	22	7.1	16.3	3.5	0.6	5.6	0.8	4.5	85	1035	470	669	2.46
MVP-12-02B	157.50	159.00	1.5	86	168	276	191	35	17	6	2.0	7.5	0.9	0.3	1.8	0.3	1.9	22	816	467	126	0.28
MVP-12-02B	159.00	160.50	1.5	87	179	369	214	66	39	18	5.2	15.5	2.7	0.5	4.8	0.6	3.5	63	1068	582	418	1.58

Hole ID	From (m)	To (m)	Interval (m)	CeO_2 (ppm)	La_2O_3 (ppm)	Nd_2O_3 (ppm)	Pr_6O_{11} (ppm)	Sm_2O_3 (ppm)	Gd_2O_3 (ppm)	Dy_2O_3 (ppm)	Er_2O_3 (ppm)	Eu_2O_3 (ppm)	Ho_2O_3 (ppm)	Lu_2O_3 (ppm)	Tb_4O_7 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	Nb_2O_5 (ppm)	P_2O_5 (%)
MVP-12-02B	160.50	162.00	1.5	49	103	181	111	29	17	7	2.1	6.9	1.1	0.2	1.9	0.3	1.6	27	538	292	132	0.42
MVP-12-02B	162.00	163.90	1.9	65	157	227	141	43	28	15	5.3	10.9	2.6	0.5	3.6	0.6	3.5	64	768	369	203	0.94
MVP-12-02B	163.90	165.00	1.1	154	406	383	272	65	42	18	6.4	16.7	2.9	0.6	4.8	0.8	4.2	72	1447	654	536	2.46
MVP-12-02B	165.00	166.50	1.5	157	376	457	99	66	37	14	4.9	15.3	2.2	0.5	4.0	0.6	3.4	55	1293	556	851	1.75
MVP-12-02B	166.50	168.00	1.5	91	216	267	182	45	30	16	6.6	11.6	2.8	0.7	3.8	0.8	4.7	70	949	450	731	3.66
MVP-12-02B	168.00	169.50	1.5	106	237	308	217	46	24	7	2.6	10.0	1.1	0.3	2.2	0.4	2.2	27	990	525	368	0.36
MVP-12-02B	169.50	171.00	1.5	88	182	240	175	33	16	4	1.4	6.9	0.6	0.2	1.4	0.2	1.2	15	765	415	1120	0.06
MVP-12-02B	171.00	172.50	1.5	150	291	497	103	109	86	42	12.6	31.6	6.4	0.9	10.6	1.3	6.7	156	1503	600	1645	5.58
MVP-12-02B	172.50	174.00	1.5	109	224	329	224	69	57	30	9.8	20.4	4.8	0.8	7.2	1.1	5.9	117	1208	552	944	4.61
MVP-12-02B	174.00	175.50	1.5	105	220	331	217	74	61	33	11.2	22.1	5.4	0.9	8.0	1.3	6.7	130	1228	549	1445	4.08
MVP-12-02B	175.50	177.00	1.5	112	232	328	224	62	49	25	8.5	17.5	4.2	0.7	6.2	1.0	4.9	99	1174	551	1788	4.19
MVP-12-02B	177.00	178.50	1.5	127	240	451	92	99	81	42	12.7	29.4	6.6	0.9	10.4	1.4	7.0	151	1353	544	966	7.12
MVP-12-02B	178.50	180.00	1.5	171	321	622	126	132	100	54	16.2	37.6	8.3	1.1	12.7	1.7	8.4	194	1806	747	1917	6.83
MVP-12-02B	180.00	181.50	1.5	128	257	430	89	88	66	34	9.7	24.5	5.1	0.7	8.3	1.1	5.2	121	1267	520	903	3.47
MVP-12-02B	181.50	183.00	1.5	98	178	377	224	89	71	37	10.9	25.8	5.6	0.8	8.9	1.2	5.9	132	1265	600	1412	4.91
MVP-12-02B	183.00	184.50	1.5	115	228	376	249	80	65	34	10.6	23.0	5.3	0.8	8.4	1.2	6.0	126	1326	624	1007	5.39
MVP-12-02B	184.50	186.00	1.5	109	220	338	228	71	56	29	9.7	20.6	4.7	0.8	7.2	1.1	5.7	114	1217	567	1323	3.92
MVP-12-02B	186.00	187.50	1.5	104	215	328	221	65	53	27	9.1	18.8	4.4	0.8	6.6	1.1	5.9	105	1164	549	968	3.55
MVP-12-02B	187.50	189.00	1.5	133	258	506	102	109	83	44	15.1	30.1	7.4	1.3	10.6	1.8	9.7	174	1486	608	598	5.70
MVP-12-02B	189.00	190.50	1.5	121	228	497	96	114	88	45	14.4	32.3	6.9	1.0	11.1	1.6	8.0	169	1433	592	519	5.32
MVP-12-02B	190.50	192.00	1.5	38	85	120	81	23	17	9	2.9	6.3	1.4	0.3	2.1	0.3	1.8	34	422	202	142	1.09
MVP-12-02B	192.00	193.50	1.5	69	134	261	167	38	22	10	3.9	8.9	1.7	0.4	2.6	0.5	2.8	41	764	428	175	1.12
MVP-12-02B	193.50	195.00	1.5	114	172	526	101	86	57	27	9.2	21.1	4.3	0.8	6.8	1.1	5.7	108	1240	627	356	3.22
MVP-12-02B	195.00	196.50	1.5	59	117	229	146	22	10	3	1.6	3.8	0.6	0.3	1.0	0.2	1.7	15	611	375	180	0.11
MVP-12-02B	196.50	198.00	1.5	130	256	467	94	94	72	37	12.1	26.9	6.0	0.9	9.0	1.4	6.8	147	1360	561	1023	4.58
MVP-12-02B	198.00	199.50	1.5	92	204	253	186	26	14	4	1.9	5.5	0.8	0.3	1.4	0.3	1.8	20	811	439	144	0.09
MVP-12-02B	199.50	201.00	1.5	69	148	219	151	28	18	11	3.9	6.5	1.8	0.4	2.4	0.5	2.7	47	709	370	160	0.32
MVP-12-02B	201.00	202.50	1.5	42	77	192	114	28	18	7	1.9	6.8	1.0	0.4	2.1	0.3	2.1	22	515	307	259	0.38
MVP-12-02B	202.50	204.00	1.5	50	91	271	145	47	30	11	2.7	10.9	1.4	0.4	3.3	0.4	2.4	34	700	416	541	0.60
MVP-12-02B	204.00	205.50	1.5	51	97	268	146	41	24	10	2.8	8.9	1.5	0.4	2.8	0.3	2.2	35	691	414	272	0.69
MVP-12-02B	205.50	207.00	1.5	45	86	217	123	27	13	4	1.3	5.2	0.6	0.3	1.4	0.2	1.8	16	543	340	205	0.10
MVP-12-02B	207.00	208.50	1.5	86	147	371	232	57	34	13	3.2	13.3	1.8	0.4	3.8	0.4	2.3	41	1005	603	183	0.73
MVP-12-02B	208.50	210.00	1.5	73	144	238	159	43	29	15	4.9	11.0	2.5	0.4	3.6	0.5	2.8	61	788	397	370	1.33
MVP-12-02B	210.00	211.50	1.5	52	110	174	115	28	15	9	3.2	6.0	1.5	0.3	2.0	0.4	2.2	38	557	289	142	0.35
MVP-12-02B	211.50	213.00	1.5	29	64	109	69	22	14	9	3.8	5.5	1.7	0.4	1.9	0.5	2.4	45	377	178	134	0.39
MVP-12-02B	213.00	214.50	1.5	41	85	143	95	24	15	9	3.1	5.7	1.5	0.3	2.0	0.4	2.2	38	464	238	147	0.32
MVP-12-02B	214.50	216.00	1.5	49	115	156	105	21	9	3	1.1	4.0	0.5	0.3	1.0	0.2	1.5	13	479	261	302	0.08
MVP-12-02B	216.00	217.50	1.5	64	122	232	152	40	28	14	4.3	10.4	2.2	0.4	3.6	0.5	2.6	53	729	384	300	0.98
MVP-12-02B	217.50	219.00	1.5	136	236	468	103	77	53	28	9.8	19.9	4.5	0.8	6.7	1.2	6.0	117	1267	571	415	2.95
MVP-12-02B	219.00	220.50	1.5	60	118	220	139	47	34	16	5.2	13.2	2.6	0.4	4.2	0.6	2.9	63	728	359	338	1.88

Hole ID	From (m)	To (m)	Interval (m)	CeO_2 (ppm)	La_2O_3 (ppm)	Nd_2O_3 (ppm)	Pr_6O_{11} (ppm)	Sm_2O_3 (ppm)	Gd_2O_3 (ppm)	Dy_2O_3 (ppm)	Er_2O_3 (ppm)	Eu_2O_3 (ppm)	Ho_2O_3 (ppm)	Lu_2O_3 (ppm)	Tb_4O_7 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	Nb_2O_5 (ppm)	P_2O_5 (%)
MVP-12-02B	220.50	222.30	1.8	46	97	138	98	22	14	7	2.4	5.6	1.1	0.2	1.7	0.3	1.7	27	461	236	167	0.75
MVP-12-02B	222.30	223.50	1.2	104	191	400	255	78	55	24	7.6	21.1	3.7	0.5	6.5	0.8	4.1	92	1245	655	681	3.01
MVP-12-02B	223.50	225.00	1.5	107	208	363	244	68	52	26	8.4	19.1	4.1	0.6	6.3	1.0	4.8	96	1207	607	98	4.87
MVP-12-02B	225.00	226.50	1.5	135	257	446	102	65	45	22	7.7	16.9	3.6	0.6	5.5	0.9	4.8	89	1201	548	134	4.86
MVP-12-02B	226.50	228.00	1.5	118	226	414	91	73	54	28	9.7	19.8	4.6	0.7	6.6	1.1	5.5	111	1163	505	269	5.29
MVP-12-02B	228.00	229.50	1.5	97	179	365	233	69	50	25	8.5	19.0	4.1	0.6	6.2	1.0	4.8	97	1161	598	305	4.45
MVP-12-02B	229.50	231.00	1.5	140	291	451	101	80	60	31	10.4	21.8	5.0	0.8	7.5	1.2	6.1	119	1326	553	990	4.49
MVP-12-02B	231.00	232.50	1.5	103	218	299	215	52	39	21	7.3	14.5	3.4	0.6	4.9	0.9	4.6	81	1065	514	1674	3.51
MVP-12-02B	232.50	234.00	1.5	120	249	356	82	62	47	25	8.5	17.1	4.1	0.7	5.9	1.0	5.3	95	1077	438	1760	4.12
MVP-12-02B	234.00	235.50	1.5	75	164	217	159	39	30	16	5.7	11.0	2.6	0.5	3.8	0.7	3.7	63	791	376	853	2.00
MVP-12-02B	235.50	237.00	1.5	151	47	95	22	19	15	8	3.3	5.4	1.4	0.3	1.9	0.4	2.4	36	408	118	223	0.71
MVP-12-02B	237.00	238.50	1.5	561	225	322	77	58	48	25	8.9	16.9	4.0	0.7	6.0	1.0	5.4	104	1463	399	1343	3.90
MVP-12-02B	238.50	240.00	1.5	596	218	393	89	79	63	33	10.9	21.7	5.1	0.8	8.0	1.2	6.3	128	1653	482	166	5.82
MVP-12-02B	240.00	241.50	1.5	532	209	300	72	56	47	26	8.9	16.0	4.1	0.7	6.1	1.0	5.3	102	1386	372	160	5.62
MVP-12-02B	241.50	243.00	1.5	645	247	353	92	60	48	23	7.6	16.8	3.7	0.6	6.0	0.9	4.6	91	1600	445	631	3.77
MVP-12-02B	243.00	244.50	1.5	607	236	348	89	65	50	26	8.6	17.6	4.1	0.7	6.5	0.9	5.1	102	1566	436	206	5.53
MVP-12-02B	244.50	246.00	1.5	896	378	493	124	92	71	36	11.7	24.5	5.6	0.8	9.2	1.2	6.3	143	2293	618	436	6.21
MVP-12-02B	246.00	247.50	1.5	591	245	318	79	57	47	24	7.9	16.2	3.7	0.6	5.8	0.9	4.7	94	1495	398	295	4.67
MVP-12-02B	247.50	249.00	1.5	602	235	334	86	54	39	19	6.4	14.1	3.0	0.5	4.8	0.7	4.0	73	1475	420	775	2.28
MVP-12-02B	249.00	250.50	1.5	216	97	99	28	13	10	5	2.4	3.5	0.9	0.3	1.3	0.3	2.0	26	504	126	136	0.20
MVP-12-02B	250.50	252.00	1.5	555	269	248	68	37	27	11	3.9	9.7	1.8	0.4	3.2	0.5	2.8	46	1283	316	222	1.01
MVP-12-02B	252.00	253.50	1.5	531	250	281	69	51	38	18	6.0	13.5	2.8	0.5	4.6	0.7	4.0	73	1341	350	453	1.87
MVP-12-02B	253.50	255.00	1.5	593	249	418	94	63	40	17	5.8	14.7	2.7	0.5	4.7	0.7	4.0	73	1580	511	237	1.29
MVP-12-02B	255.00	256.50	1.5	378	157	194	51	30	22	10	4.0	8.1	1.7	0.4	2.7	0.5	2.9	46	909	244	177	0.61
MVP-12-02B	256.50	258.00	1.5	346	150	177	44	31	24	11	4.1	8.7	1.8	0.4	3.0	0.5	2.7	46	852	221	272	0.85
MVP-12-02B	258.00	259.50	1.5	203	73	108	28	16	12	7	3.0	4.3	1.2	0.3	1.6	0.4	2.4	34	494	136	103	0.17
MVP-12-02B	259.50	261.00	1.5	295	124	170	41	32	25	13	4.7	9.1	2.1	0.4	3.2	0.6	3.2	54	779	212	187	1.53
MVP-12-02B	261.00	262.50	1.5	622	237	406	98	73	56	26	8.6	19.5	4.0	0.7	6.8	1.0	5.2	103	1667	504	320	3.05
MVP-12-02B	262.50	264.00	1.5	431	213	197	53	31	22	9	3.2	8.1	1.4	0.3	2.6	0.4	2.3	39	1015	250	179	0.48
MVP-12-02B	264.00	265.50	1.5	205	96	96	27	15	12	7	3.0	4.5	1.2	0.3	1.7	0.4	2.4	34	507	123	80	0.30
MVP-12-02B	265.50	266.90	1.4	280	121	142	38	22	16	8	3.0	5.9	1.3	0.3	2.0	0.4	2.2	34	677	180	114	0.39
MVP-12-02B	266.90	268.90	2.0	692	290	393	103	69	57	29	9.4	19.3	4.4	0.7	7.1	1.0	5.3	106	1785	496	152	5.03
MVP-12-02B	268.90	270.00	1.1	165	58	90	24	14	11	7	3.1	4.1	1.2	0.4	1.6	0.4	2.6	36	418	113	129	0.14
MVP-12-02B	270.00	271.50	1.5	210	87	124	30	24	19	12	4.7	6.8	2.0	0.5	2.7	0.6	3.4	52	578	154	239	1.06
MVP-12-02B	271.50	273.00	1.5	348	142	210	49	39	31	16	5.6	10.8	2.6	0.5	4.0	0.7	3.6	66	929	259	256	1.84
MVP-12-02B	273.00	274.50	1.5	251	111	131	34	17	12	6	2.8	4.3	1.1	0.3	1.5	0.4	2.2	31	605	165	115	0.23
MVP-12-02B	274.50	276.00	1.5	233	120	97	27	15	13	8	3.8	4.8	1.5	0.4	1.8	0.5	3.1	38	568	124	71	0.26
MVP-12-02B	276.00	277.50	1.5	275	135	117	32	19	15	9	3.9	5.7	1.6	0.4	2.0	0.5	2.9	43	662	149	121	0.62
MVP-12-02B	277.50	279.00	1.5	312	156	132	36	20	15	9	3.5	5.6	1.5	0.4	2.0	0.5	2.7	39	734	168	98	0.40
MVP-12-02B	279.00	280.50	1.5	179	91	80	22	14	12	8	3.6	4.4	1.5	0.4	1.8	0.5	3.0	38	460	102	92	0.30

Hole ID	From (m)	To (m)	Interval (m)	CeO_2 (ppm)	La_2O_3 (ppm)	Nd_2O_3 (ppm)	Pr_6O_{11} (ppm)	Sm_2O_3 (ppm)	Gd_2O_3 (ppm)	Dy_2O_3 (ppm)	Er_2O_3 (ppm)	Eu_2O_3 (ppm)	Ho_2O_3 (ppm)	Lu_2O_3 (ppm)	Tb_4O_7 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	Nb_2O_5 (ppm)	P_2O_5 (%)
MVP-12-02B	280.50	282.00	1.5	210	66	134	32	19	11	5	2.3	4.4	0.9	0.3	1.3	0.3	2.0	24	512	166	93	0.14
MVP-12-02B	282.00	283.50	1.5	231	107	105	28	16	12	6	2.4	4.4	1.0	0.3	1.5	0.3	2.0	27	545	133	127	0.25
MVP-12-02B	283.50	285.00	1.5	312	137	168	42	27	20	9	3.3	7.3	1.4	0.4	2.4	0.4	2.6	38	772	210	205	0.48
MVP-12-02B	285.00	286.40	1.4	235	115	102	28	17	13	7	3.2	4.8	1.3	0.4	1.7	0.4	2.6	33	565	130	105	0.36
MVP-12-02B	286.40	288.00	1.6	1425	752	498	152	66	55	33	12.2	18.4	5.4	0.8	7.6	1.3	6.6	140	3173	650	392	5.82
MVP-12-02B	288.00	289.50	1.5	1122	649	367	118	44	34	15	5.3	11.5	2.4	0.4	4.1	0.7	3.7	58	2435	485	335	1.23
MVP-12-02B	289.50	291.00	1.5	996	573	318	108	32	18	7	3.0	7.4	1.1	0.3	2.0	0.4	2.7	31	2102	426	318	0.20
MVP-12-02B	291.00	292.50	1.5	1058	578	366	118	47	30	10	3.8	11.3	1.5	0.4	3.1	0.5	3.2	41	2271	484	308	0.63
MVP-12-02B	292.50	294.00	1.5	1000	536	413	118	72	49	16	5.4	15.6	2.3	0.6	5.0	0.7	4.7	62	2300	530	988	1.87
MVP-12-02B	294.00	295.50	1.5	1117	630	414	126	52	28	8	3.7	11.2	1.4	0.5	2.6	0.6	3.4	39	2436	540	388	0.18
MVP-12-02B	295.50	297.00	1.5	1462	812	476	155	48	25	6	2.6	10.4	1.0	0.4	2.3	0.4	2.6	28	3030	631	333	0.01
MVP-12-02B	297.00	298.50	1.5	1212	631	412	132	49	29	8	2.6	10.8	1.1	0.3	2.9	0.4	2.3	31	2524	543	305	0.62
MVP-12-02B	298.50	300.00	1.5	1169	602	387	126	46	34	13	4.0	11.2	1.9	0.4	3.8	0.5	2.7	49	2451	513	272	0.99
MVP-12-02B	300.00	301.50	1.5	1169	604	408	130	50	36	15	4.7	12.7	2.2	0.4	4.3	0.5	2.9	55	2495	539	283	1.36
MVP-12-02B	301.50	303.00	1.5	1253	618	460	141	60	45	18	4.8	15.2	2.5	0.3	5.2	0.5	2.7	58	2684	601	306	1.69
MVP-12-02B	303.00	304.50	1.5	1302	647	467	147	55	37	14	4.2	13.0	2.0	0.3	4.1	0.5	2.6	46	2741	614	280	1.40
MVP-12-02B	304.50	306.00	1.5	1388	684	514	157	59	39	14	4.3	13.5	2.0	0.3	4.3	0.5	2.7	49	2931	671	299	1.49
MVP-12-02B	306.00	307.50	1.5	1168	566	446	135	51	32	11	3.6	10.5	1.8	0.3	3.5	0.4	2.5	44	2476	581	369	1.09
MVP-12-02B	307.50	309.00	1.5	1302	638	470	147	56	40	15	4.2	14.5	2.1	0.3	4.6	0.5	2.4	51	2748	617	303	1.62
MVP-12-02B	309.00	310.50	1.5	1241	590	496	150	64	47	20	5.5	17.0	2.8	0.4	5.5	0.6	3.0	63	2705	646	305	1.91
MVP-12-02B	310.50	312.00	1.5	1253	599	493	150	64	47	20	5.7	17.0	2.9	0.4	5.6	0.6	3.1	68	2730	643	318	1.82
MVP-12-02B	312.00	313.50	1.5	1278	612	507	155	63	46	19	5.5	16.1	2.8	0.4	5.5	0.6	3.1	65	2779	662	298	2.01
MVP-12-02B	313.50	315.00	1.5	1087	514	414	128	53	37	16	4.4	13.2	2.3	0.3	4.5	0.5	2.6	53	2329	542	318	1.91
MVP-12-02B	315.00	316.50	1.5	1208	579	448	140	57	42	18	5.1	14.4	2.7	0.3	5.1	0.5	2.8	62	2585	588	285	2.28
MVP-12-02B	316.50	318.00	1.5	1054	507	413	124	53	38	15	4.1	13.4	2.1	0.3	4.4	0.4	2.4	50	2279	537	290	1.90
MVP-12-02B	318.00	319.50	1.5	1085	514	407	124	53	38	15	4.4	13.7	2.2	0.3	4.5	0.5	2.4	52	2317	532	333	1.98
MVP-12-02B	319.50	321.00	1.5	1117	544	392	123	48	34	13	3.9	12.0	2.0	0.3	4.0	0.4	2.3	47	2343	515	298	2.18
MVP-12-02B	321.00	322.50	1.5	1092	528	397	123	48	34	13	3.8	11.8	1.9	0.3	4.0	0.4	2.3	47	2306	520	289	2.06
MVP-12-02B	322.50	324.00	1.5	1120	543	395	123	47	32	12	3.5	11.3	1.8	0.3	3.8	0.4	2.1	43	2339	519	279	1.96
MVP-12-02B	324.00	325.50	1.5	1137	551	414	127	47	32	13	3.9	11.4	1.9	0.3	3.7	0.5	2.6	46	2392	541	283	1.61
MVP-12-02B	325.50	327.00	1.5	1085	530	388	120	45	31	12	3.4	11.5	1.7	0.3	3.6	0.4	2.1	42	2275	509	293	1.60
MVP-12-02B	327.00	328.50	1.5	1063	528	373	118	47	33	13	3.8	11.8	1.9	0.3	3.8	0.4	2.3	46	2244	491	288	1.90
MVP-12-02B	328.50	330.00	1.5	1067	549	380	120	45	32	11	3.4	10.9	1.7	0.3	3.6	0.4	2.1	42	2270	500	269	2.07
MVP-12-02B	330.00	331.50	1.5	1115	581	367	118	43	30	11	3.3	10.4	1.6	0.3	3.4	0.4	2.0	39	2325	485	273	2.13
MVP-12-02B	331.50	333.00	1.5	1063	564	362	116	42	30	11	3.2	10.2	1.6	0.2	3.4	0.4	2.0	40	2248	478	276	2.07
MVP-12-02B	333.00	334.50	1.5	1052	557	343	112	39	28	11	3.1	9.4	1.6	0.3	3.3	0.4	1.9	40	2202	455	283	2.02
MVP-12-02B	334.50	336.00	1.5	1070	578	352	115	41	28	10	3.1	9.9	1.5	0.3	3.1	0.3	2.0	38	2252	467	303	2.07
MVP-12-02B	336.00	337.50	1.5	1074	581	365	114	42	28	10	3.6	10.6	1.6	0.3	3.3	0.4	2.7	43	2279	479	358	2.02
MVP-12-02B	337.50	339.00	1.5	1000	537	324	104	39	29	10	2.8	9.7	1.4	0.3	3.2	0.3	1.9	36	2099	428	266	2.07
MVP-12-02B	339.00	340.50	1.5	814	433	268	86	32	23	9	2.8	8.0	1.4	0.3	2.6	0.3	2.0	34	1717	354	375	1.86

Hole ID	From (m)	To (m)	Interval (m)	CeO_2 (ppm)	La_2O_3 (ppm)	Nd_2O_3 (ppm)	Pr_6O_{11} (ppm)	Sm_2O_3 (ppm)	Gd_2O_3 (ppm)	Dy_2O_3 (ppm)	Er_2O_3 (ppm)	Eu_2O_3 (ppm)	Ho_2O_3 (ppm)	Lu_2O_3 (ppm)	Tb_4O_7 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	Nb_2O_5 (ppm)	P_2O_5 (%)
MVP-12-02B	340.50	342.00	1.5	1043	573	342	110	41	32	15	4.1	10.4	2.1	0.3	4.0	0.4	2.2	52	2232	452	396	2.79
MVP-12-02B	342.00	343.50	1.5	721	367	287	86	44	37	19	6.3	11.6	3.0	0.5	4.7	0.7	4.0	78	1670	373	559	3.54
MVP-12-02B	343.50	345.00	1.5	872	456	345	101	58	47	29	11.4	16.6	5.0	0.9	6.5	1.3	6.8	132	2088	447	828	5.10
MVP-12-02B	345.00	346.50	1.5	531	254	283	68	52	41	21	7.5	14.6	3.4	0.6	5.1	0.9	4.7	88	1375	351	1014	3.00
MVP-12-02B	346.50	348.00	1.5	688	323	362	95	65	52	26	9.3	18.3	4.2	0.6	6.4	1.0	5.3	115	1770	457	574	3.67
MVP-12-02B	348.00	349.50	1.5	500	260	223	60	29	20	9	4.0	7.1	1.6	0.4	2.4	0.5	3.2	47	1167	283	230	0.51
MVP-12-02B	349.50	351.00	1.5	276	133	132	34	19	14	7	2.9	5.2	1.2	0.3	1.7	0.4	2.3	31	659	166	163	0.54
MVP-12-02B	351.00	352.50	1.5	560	244	244	72	26	18	7	2.8	6.1	1.2	0.3	2.1	0.4	2.2	32	1218	315	220	0.65
MVP-12-02B	352.50	354.00	1.5	1007	525	444	124	65	51	23	8.0	17.5	3.6	0.7	6.1	0.9	5.3	101	2384	569	801	2.55
MVP-12-02B	354.00	355.50	1.5	598	335	212	62	27	18	8	3.3	6.8	1.3	0.4	2.1	0.4	2.7	36	1314	275	223	0.39
MVP-12-02B	355.50	357.00	1.5	57	27	30	8	6	5	4	2.3	2.1	0.8	0.3	0.8	0.3	2.0	24	169	37	38	0.15
MVP-12-02B	357.00	358.50	1.5	666	320	324	88	58	46	25	9.1	16.3	4.1	0.7	5.9	1.0	5.3	114	1683	412	797	2.95
MVP-12-02B	358.50	360.20	1.7	1082	486	635	147	121	94	59	21.6	33.2	9.9	1.4	12.6	2.4	11.7	278	2994	782	847	7.71
MVP-12-02B	360.20	361.50	1.3	638	312	290	81	43	30	15	5.4	10.8	2.4	0.4	3.8	0.6	3.5	63	1500	372	476	1.86
MVP-12-02B	361.50	363.00	1.5	70	30	46	10	10	10	9	4.1	3.4	1.7	0.4	1.8	0.5	2.7	46	247	56	113	0.10
MVP-12-02B	363.00	364.50	1.5	531	272	253	63	44	33	20	7.8	11.5	3.4	0.6	4.5	0.9	4.9	93	1342	316	381	2.15
MVP-12-02B	364.50	366.00	1.5	565	263	311	72	64	55	32	11.0	19.2	5.1	0.8	7.2	1.2	6.2	140	1551	383	2131	4.72
MVP-12-02B	366.00	367.50	1.5	985	522	468	121	76	55	25	8.7	20.1	4.0	0.6	6.5	1.0	5.0	109	2407	589	1076	3.02
MVP-12-02B	367.50	369.00	1.5	554	271	266	66	47	38	19	6.9	13.2	3.2	0.5	4.8	0.8	4.3	84	1379	332	585	2.91
MVP-12-02B	369.00	370.50	1.5	640	308	315	83	55	43	22	8.1	15.3	3.7	0.6	5.4	0.9	4.6	99	1605	398	488	3.14
MVP-12-02B	370.50	372.00	1.5	738	378	328	90	52	41	20	7.1	14.2	3.3	0.5	5.0	0.8	4.4	85	1767	417	433	2.81
MVP-12-02B	372.00	373.50	1.5	915	476	406	112	63	50	25	8.4	16.8	4.0	0.7	6.2	1.0	5.2	112	2201	517	475	3.25
MVP-12-02B	373.50	375.50	2.0	719	408	226	69	29	25	13	5.0	8.2	2.2	0.4	3.2	0.6	3.3	60	1572	295	166	1.25
MVP-12-02B	375.50	377.30	1.8	1050	524	481	130	75	59	33	10.9	19.8	5.3	0.7	7.7	1.2	6.0	145	2548	611	528	3.79
MVP-12-02B	377.30	379.30	2.0	1099	583	518	133	87	70	43	14.8	23.5	7.1	1.1	9.5	1.6	8.2	187	2785	651	878	8.85
MVP-12-02B	379.30	381.00	1.7	1290	649	576	155	91	70	36	11.5	24.2	5.6	0.8	8.8	1.3	6.5	152	3077	731	634	5.07
MVP-12-02B	381.00	382.50	1.5	655	272	323	87	57	48	26	9.0	16.2	4.2	0.8	6.1	1.1	6.0	113	1625	411	737	3.78
MVP-12-02B	382.50	384.00	1.5	572	244	275	70	47	40	22	7.7	13.7	3.5	0.7	5.1	0.9	5.1	90	1396	345	1817	2.87
MVP-12-02B	384.00	386.00	2.0	425	177	243	57	47	38	20	6.4	13.7	3.0	0.5	4.8	0.7	3.8	75	1114	299	1265	3.12
MVP-12-02B	386.00	388.00	2.0	152	55	72	18	12	10	6	2.7	3.6	1.1	0.3	1.4	0.4	2.1	29	367	90	99	0.21
MVP-12-02B	388.00	390.00	2.0	337	138	171	42	30	22	10	3.1	8.2	1.5	0.3	2.6	0.4	2.0	40	808	213	395	0.81
MVP-12-02B	390.00	391.50	1.5	339	136	203	45	38	29	13	4.1	10.3	2.0	0.3	3.4	0.5	2.6	49	876	248	289	1.31
MVP-12-02B	391.50	393.00	1.5	1204	448	752	179	130	89	33	8.4	32.8	4.5	0.5	9.6	0.8	4.4	118	3014	931	1315	3.66
MVP-12-02B	393.00	394.50	1.5	271	125	121	31	21	16	9	3.7	5.9	1.6	0.4	2.1	0.5	2.8	42	654	153	279	0.59
MVP-12-02B	394.50	396.00	1.5	201	71	96	24	18	15	8	3.5	5.1	1.4	0.4	2.0	0.5	2.7	39	486	119	372	0.51
MVP-12-02B	396.00	397.50	1.5	57	151	139	108	21	15	7	3.1	5.8	1.3	0.4	1.8	0.4	2.6	33	547	247	136	0.24
MVP-12-02B	397.50	399.00	1.5	36	94	85	65	15	13	8	3.1	4.6	1.4	0.4	1.7	0.4	2.4	33	363	150	286	0.52
MVP-12-02B	399.00	400.50	1.5	70	147	234	163	35	22	10	3.6	8.5	1.6	0.4	2.5	0.5	2.6	39	739	398	528	0.48
MVP-12-02B	400.50	402.00	1.5	25	64	68	51	12	9	6	2.8	3.5	1.2	0.3	1.3	0.4	2.3	30	277	119	52	0.60
MVP-12-02B	402.00	403.50	1.5	35	82	89	69	15	12	7	3.0	4.7	1.2	0.4	1.6	0.4	2.3	32	354	159	114	0.25

Hole ID	From (m)	To (m)	Interval (m)	CeO_2 (ppm)	La_2O_3 (ppm)	Nd_2O_3 (ppm)	Pr_6O_{11} (ppm)	Sm_2O_3 (ppm)	Gd_2O_3 (ppm)	Dy_2O_3 (ppm)	Er_2O_3 (ppm)	Eu_2O_3 (ppm)	Ho_2O_3 (ppm)	Lu_2O_3 (ppm)	Tb_4O_7 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	Nb_2O_5 (ppm)	P_2O_5 (%)
MVP-12-02B	403.50	405.00	1.5	44	108	121	90	23	19	11	4.1	6.6	1.8	0.4	2.4	0.5	3.0	45	479	211	225	0.47
MVP-12-02B	405.00	406.50	1.5	53	129	147	111	22	14	8	3.4	5.5	1.4	0.4	1.9	0.4	2.5	37	536	258	126	0.73
MVP-12-02B	406.50	408.00	1.5	152	277	454	115	42	22	10	4.2	8.7	1.7	0.5	2.6	0.6	3.5	44	1138	568	388	2.33
MVP-12-02B	408.00	409.50	1.5	35	85	90	69	15	13	8	3.1	4.5	1.4	0.4	1.7	0.4	2.4	33	360	158	305	1.03
MVP-12-02B	409.50	411.00	1.5	146	236	427	111	51	33	14	5.1	12.3	2.3	0.5	3.8	0.7	3.8	56	1102	538	521	0.35
MVP-12-02B	411.00	412.50	1.5	44	121	119	87	23	17	8	3.4	6.3	1.4	0.4	2.0	0.4	2.5	36	472	206	125	0.29
MVP-12-02B	412.50	414.00	1.5	53	122	149	111	22	13	5	1.9	5.5	0.9	0.2	1.5	0.2	1.5	21	509	261	213	0.53
MVP-12-02B	414.00	415.50	1.5	226	573	520	141	60	32	10	3.6	13.1	1.6	0.4	3.1	0.5	2.8	40	1627	662	492	0.42
MVP-12-02B	415.50	417.00	1.5	101	293	199	172	27	17	8	3.3	6.6	1.4	0.3	2.0	0.4	2.4	35	867	371	187	0.09
MVP-12-02B	417.00	418.50	1.5	52	125	134	104	19	13	7	2.7	4.8	1.1	0.3	1.6	0.4	2.2	29	496	238	259	0.30
MVP-12-02B	418.50	420.00	1.5	56	137	154	116	22	15	8	2.9	5.9	1.3	0.3	1.8	0.4	2.2	32	555	270	356	0.81
MVP-12-02B	420.00	421.50	1.5	49	121	125	95	22	17	9	3.5	6.3	1.6	0.4	2.2	0.5	2.5	41	495	220	290	0.39
MVP-12-02B	421.50	423.00	1.5	100	250	275	205	51	39	21	7.3	14.1	3.6	0.6	5.0	0.8	4.5	85	1063	481	595	0.53
MVP-12-02B	423.00	424.50	1.5	59	148	155	116	29	24	13	5.1	8.7	2.2	0.5	3.1	0.6	3.5	57	625	271	428	0.81
MVP-12-02B	424.50	426.00	1.5	26	62	70	53	11	9	6	2.9	3.3	1.1	0.4	1.3	0.4	2.4	28	278	123	236	1.32
MVP-12-02B	426.00	427.50	1.5	30	71	90	65	17	13	7	2.8	4.8	1.2	0.3	1.7	0.4	2.0	30	336	155	153	0.42
MVP-12-02B	427.50	429.00	1.5	129	204	572	122	72	42	18	6.7	16.6	3.0	0.6	4.7	0.8	4.6	74	1270	694	494	2.54
MVP-12-02B	429.00	430.50	1.5	40	87	138	92	26	21	12	4.8	7.6	2.1	0.4	2.7	0.6	3.1	51	489	230	273	1.59
MVP-12-02B	430.50	432.00	1.5	70	150	223	157	40	30	17	6.0	11.0	2.7	0.5	3.9	0.7	3.7	67	783	380	298	2.08
MVP-12-02B	432.00	433.50	1.5	41	91	122	90	24	19	11	4.3	6.9	1.9	0.4	2.6	0.5	2.9	45	463	212	249	1.03
MVP-12-02B	433.50	435.00	1.5	86	212	222	172	38	30	17	5.6	11.3	2.6	0.5	4.0	0.7	3.6	65	870	393	186	1.13
MVP-12-02B	435.00	436.50	1.5	150	416	385	98	56	36	16	5.2	13.8	2.5	0.4	4.2	0.6	3.2	58	1244	483	235	1.40
MVP-12-02B	436.50	438.00	1.5	102	237	304	225	55	44	25	8.4	15.7	4.0	0.7	5.8	1.0	5.2	92	1125	529	329	4.61
MVP-12-02B	438.00	439.50	1.5	70	144	273	179	45	28	12	4.1	11.0	1.9	0.4	3.2	0.5	2.8	47	822	452	555	1.05
MVP-12-02B	439.50	441.00	1.5	110	305	307	230	44	25	10	3.5	9.8	1.6	0.4	2.6	0.4	2.4	38	1089	536	140	0.54
MVP-12-02B	441.00	442.50	1.5	118	294	327	243	52	39	20	7.0	14.1	3.3	0.6	5.0	0.9	4.7	77	1206	569	451	2.65
MVP-12-02B	442.50	444.00	1.5	40	98	125	88	25	19	11	3.8	7.1	1.8	0.3	2.5	0.5	2.5	43	467	213	223	0.99
MVP-12-02B	444.00	445.50	1.5	55	118	188	127	37	29	15	4.8	10.6	2.4	0.4	3.6	0.6	3.0	55	649	315	340	1.85
MVP-12-02B	445.50	447.00	1.5	78	111	327	225	40	25	14	5.9	9.3	2.5	0.6	3.2	0.8	4.1	64	909	551	272	0.86
MVP-12-02B	447.00	448.50	1.5	25	61	71	54	13	11	7	3.1	4.1	1.3	0.4	1.6	0.4	2.4	32	288	125	119	0.28
MVP-12-02B	448.50	450.00	1.5	83	169	247	193	30	19	8	3.0	7.2	1.4	0.3	2.2	0.4	2.1	34	800	441	286	0.72
MVP-12-02B	450.00	451.50	1.5	35	95	84	69	13	10	7	3.2	3.8	1.3	0.4	1.5	0.4	2.6	32	359	153	66	0.15
MVP-12-02B	451.50	453.00	1.5	30	74	79	60	14	12	7	3.1	4.2	1.3	0.4	1.6	0.4	2.4	33	322	140	121	0.47
MVP-12-02B	453.00	454.90	1.9	45	89	164	110	31	23	12	4.4	8.9	2.0	0.4	2.8	0.6	2.9	50	546	274	270	1.14
MVP-12-02B	454.90	456.90	2.0	105	208	351	253	54	40	21	7.2	14.9	3.4	0.6	5.0	0.9	4.6	81	1150	604	128	3.74
MVP-12-02B	456.90	458.90	2.0	90	182	311	216	61	49	26	9.2	17.7	4.4	0.7	6.3	1.1	5.2	102	1083	528	1516	4.04
MVP-12-02B	458.90	460.50	1.6	76	164	225	168	38	28	14	4.8	10.6	2.2	0.5	3.4	0.6	3.3	54	792	393	927	1.73
MVP-12-02B	460.50	462.00	1.5	105	189	386	93	46	30	15	5.3	11.0	2.4	0.5	3.7	0.7	3.5	56	948	479	270	1.08
MVP-12-02B	462.00	463.30	1.3	48	99	187	121	38	29	15	5.2	11.0	2.5	0.4	3.7	0.6	2.9	58	622	307	260	1.65
MVP-12-02B	463.30	465.00	1.7	133	256	465	109	72	53	26	8.4	19.2	4.2	0.7	6.6	1.0	5.0	96	1256	575	130	4.27

Hole ID	From (m)	To (m)	Interval (m)	CeO_2 (ppm)	La_2O_3 (ppm)	Nd_2O_3 (ppm)	Pr_6O_{11} (ppm)	Sm_2O_3 (ppm)	Gd_2O_3 (ppm)	Dy_2O_3 (ppm)	Er_2O_3 (ppm)	Eu_2O_3 (ppm)	Ho_2O_3 (ppm)	Lu_2O_3 (ppm)	Tb_4O_7 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	Nb_2O_5 (ppm)	P_2O_5 (%)
MVP-12-02B	465.00	467.00	2.0	141	317	415	102	66	50	25	8.4	18.4	4.1	0.7	6.3	1.0	5.1	94	1256	518	139	5.33
MVP-12-02B	467.00	468.60	1.6	138	279	539	114	98	74	35	11.0	28.0	5.6	0.8	8.8	1.2	6.2	127	1466	653	132	6.60
MVP-12-02B	468.60	470.60	2.0	90	184	290	210	50	38	20	7.2	13.8	3.4	0.6	4.9	0.9	4.7	81	999	501	108	3.20
MVP-12-02B	470.60	472.50	1.9	53	93	220	146	32	23	14	5.4	8.1	2.4	0.5	3.1	0.7	3.6	59	663	367	446	1.37
MVP-12-02B	472.50	474.00	1.5	40	74	155	105	25	17	11	4.2	6.4	1.9	0.4	2.4	0.5	2.9	45	489	260	249	0.76
MVP-12-02B	474.00	475.50	1.5	30	66	104	69	24	20	12	4.1	7.3	2.0	0.4	2.7	0.5	2.7	49	393	173	253	0.89
MVP-12-02B	475.50	477.00	1.5	35	17	20	15	4	4	4	2.1	1.4	0.8	0.3	0.7	0.3	1.9	20	126	35	32	0.06
MVP-12-02B	477.00	478.50	1.5	35	77	118	79	28	24	19	7.4	8.9	3.4	0.5	3.7	0.8	4.2	78	486	196	312	2.15
MVP-12-02B	478.50	480.00	1.5	79	38	44	33	9	8	6	2.7	2.9	1.1	0.3	1.2	0.4	2.2	27	254	77	91	0.41
MVP-12-02B	480.00	481.50	1.5	96	201	299	216	41	24	11	3.7	9.9	1.7	0.4	2.8	0.5	2.6	42	950	515	701	0.97
MVP-12-02B	481.50	483.00	1.5	49	104	173	117	36	30	17	5.8	10.7	2.7	0.5	3.9	0.7	3.5	63	616	289	998	2.34
MVP-12-02B	483.00	485.00	2.0	65	133	224	157	30	19	9	3.6	7.5	1.5	0.4	2.2	0.5	2.7	39	694	381	183	0.72
MVP-12-02B	485.00	487.00	2.0	40	65	182	118	27	15	7	3.0	6.3	1.2	0.3	1.7	0.4	2.3	30	499	300	140	0.22
MVP-12-02B	487.00	489.00	2.0	29	72	92	65	17	12	7	3.1	4.6	1.3	0.4	1.6	0.4	2.4	32	341	157	190	0.23
MVP-12-02B	489.00	491.00	2.0	94	43	57	41	11	9	6	2.7	3.4	1.1	0.3	1.3	0.4	2.2	28	302	98	85	0.19
MVP-12-02B	491.00	493.00	2.0	36	77	126	86	23	17	8	2.9	6.3	1.3	0.3	2.0	0.4	2.1	32	421	212	157	0.53
MVP-12-02B	493.00	495.00	2.0	71	162	210	156	33	22	10	3.5	8.5	1.7	0.3	2.7	0.4	2.3	40	723	366	255	0.70
MVP-12-02B	495.00	497.00	2.0	104	233	283	215	44	31	16	5.7	12.0	2.6	0.5	3.9	0.7	3.9	63	1019	498	1104	1.41
MVP-12-02B	497.00	499.00	2.0	123	259	366	90	60	43	20	6.4	16.3	3.1	0.5	5.2	0.7	4.0	75	1072	456	1531	2.16
MVP-12-02B	499.00	501.00	2.0	30	60	100	69	18	13	8	3.3	4.9	1.4	0.4	1.7	0.4	2.6	35	348	170	468	0.46
MVP-12-02B	501.00	502.50	1.5	82	36	67	40	16	11	5	2.6	4.1	1.0	0.3	1.2	0.4	2.1	26	296	107	48	0.09
MVP-12-02B	502.50	504.00	1.5	40	61	166	112	25	13	6	2.6	5.3	1.1	0.4	1.4	0.4	2.3	25	461	277	92	0.19
MVX-12-01	37.00	39.00	2.0	238	157	87	26	12	9	7	3.8	3.5	1.4	0.4	1.3	0.5	3.2	40	591	113	47	0.11
MVX-12-01	39.00	40.70	1.7	586	293	363	85	91	82	59	19.6	29.3	9.3	1.0	11.6	1.9	9.1	255	1895	447	255	6.38
MVX-12-01	40.70	42.00	1.3	400	258	153	43	26	20	13	5.0	7.7	2.1	0.5	2.7	0.6	3.5	60	995	196	128	0.66
MVX-12-01	42.00	43.50	1.5	840	542	325	97	46	26	14	5.2	11.7	2.1	0.6	3.0	0.7	4.5	61	1979	422	165	0.27
MVX-12-01	43.50	45.00	1.5	2125	734	1067	307	100	34	13	4.4	20.1	1.9	0.4	3.0	0.5	3.4	51	4466	1374	102	0.15
MVX-12-01	45.00	46.50	1.5	114	54	51	14	8	7	6	3.4	2.6	1.2	0.4	1.1	0.5	3.0	35	302	64	34	0.09
MVX-12-01	46.50	48.00	1.5	308	178	147	38	26	19	12	4.3	7.7	1.8	0.4	2.5	0.5	3.1	50	800	185	141	0.65
MVX-12-01	48.00	49.50	1.5	327	196	135	38	21	15	9	3.1	5.9	1.3	0.3	1.9	0.4	2.4	37	792	173	117	0.43
MVX-12-01	49.50	50.80	1.3	595	231	320	86	51	32	16	5.0	13.9	2.3	0.4	3.6	0.6	3.3	64	1423	405	305	0.68
MVX-12-01	50.80	52.50	1.7	2518	964	1656	407	201	66	21	5.9	39.0	2.9	0.4	5.6	0.7	3.8	78	5970	2063	196	0.28
MVX-12-01	52.50	54.00	1.5	689	319	325	96	37	17	10	4.2	8.5	1.7	0.4	2.1	0.5	3.2	46	1561	421	98	0.34
MVX-12-01	54.00	55.50	1.5	473	220	210	59	27	15	9	4.0	6.6	1.6	0.4	1.8	0.5	3.3	44	1075	269	105	0.18
MVX-12-01	55.50	57.00	1.5	327	172	157	41	24	13	8	3.2	5.8	1.3	0.4	1.5	0.4	2.6	36	793	199	142	0.12
MVX-12-01	57.00	59.00	2.0	708	447	285	86	38	17	8	3.7	8.9	1.4	0.4	1.8	0.5	3.1	41	1650	371	106	0.17
MVX-12-01	59.00	60.50	1.5	548	342	229	65	32	17	9	4.2	8.0	1.6	0.5	1.9	0.6	3.6	49	1310	293	403	0.38
MVX-12-01	60.50	62.20	1.7	649	388	292	85	38	16	7	3.3	8.4	1.2	0.4	1.6	0.5	3.0	37	1529	376	279	0.33
MVX-12-01	62.20	63.50	1.3	145	104	60	17	10	8	7	3.6	3.2	1.4	0.4	1.3	0.5	2.9	37	402	77	45	0.16
MVX-12-01	63.50	65.00	1.5	697	269	332	100	36	17	10	3.9	8.3	1.6	0.4	2.0	0.5	3.0	44	1524	433	92	0.14

Hole ID	From (m)	To (m)	Interval (m)	CeO_2 (ppm)	La_2O_3 (ppm)	Nd_2O_3 (ppm)	Pr_6O_{11} (ppm)	Sm_2O_3 (ppm)	Gd_2O_3 (ppm)	Dy_2O_3 (ppm)	Er_2O_3 (ppm)	Eu_2O_3 (ppm)	Ho_2O_3 (ppm)	Lu_2O_3 (ppm)	Tb_4O_7 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	Nb_2O_5 (ppm)	P_2O_5 (%)
MVX-12-01	65.00	66.00	1.0	333	194	159	42	29	21	13	4.5	8.3	2.0	0.4	2.8	0.5	3.1	53	865	201	127	0.37
MVX-12-01	66.00	67.50	1.5	317	156	208	47	51	42	29	11.8	16.1	4.9	1.0	5.7	1.5	8.2	137	1035	254	349	3.64
MVX-12-01	67.50	69.00	1.5	321	183	170	43	33	23	14	6.0	9.6	2.5	0.6	2.9	0.8	4.6	67	881	214	504	0.99
MVX-12-01	69.00	70.50	1.5	517	293	281	75	51	35	20	7.4	14.1	3.2	0.6	4.3	0.9	4.7	87	1394	356	492	2.29
MVX-12-01	70.50	72.00	1.5	361	239	149	43	21	13	8	3.6	5.6	1.4	0.4	1.6	0.5	2.8	38	889	193	303	0.20
MVX-12-01	72.00	73.70	1.7	340	225	139	40	19	11	7	2.8	4.7	1.1	0.3	1.4	0.4	2.3	30	824	179	328	0.04
MVX-12-01	73.70	75.10	1.4	1732	1185	696	211	91	53	26	8.1	23.4	3.8	0.5	6.1	0.9	4.7	102	4144	908	286	2.04
MVX-12-01	75.10	76.50	1.4	1953	1478	611	207	64	30	14	4.8	15.1	2.1	0.4	3.3	0.6	3.4	56	4441	818	253	1.09
MVX-12-01	76.50	78.00	1.5	1290	932	460	149	55	29	15	5.9	13.2	2.4	0.5	3.3	0.7	4.1	66	3026	608	486	1.74
MVX-12-01	78.00	79.50	1.5	1671	828	787	227	102	59	36	13.5	25.1	5.9	1.0	7.3	1.5	8.1	159	3931	1014	607	4.64
MVX-12-01	79.50	81.00	1.5	486	243	324	78	66	47	27	8.7	18.5	4.0	0.6	6.0	1.0	5.2	109	1425	402	911	3.54
MVX-12-01	81.00	82.50	1.5	1221	827	591	156	103	63	32	9.7	26.7	4.6	0.7	7.3	1.1	5.8	125	3173	747	768	3.25
MVX-12-01	82.50	84.00	1.5	1339	909	653	176	98	50	22	7.2	22.5	3.2	0.6	5.2	0.9	5.1	88	3379	830	421	1.61
MVX-12-01	84.00	85.50	1.5	838	528	448	115	79	54	32	10.5	21.9	5.0	0.7	6.8	1.1	5.7	130	2274	563	878	5.46
MVX-12-01	85.50	87.00	1.5	1929	1384	637	216	58	26	13	4.3	13.1	1.9	0.4	2.9	0.5	3.0	49	4338	853	226	1.08
MVX-12-01	87.00	88.50	1.5	662	285	451	109	74	47	26	8.3	19.6	3.9	0.6	5.7	0.9	4.9	104	1802	560	1531	4.37
MVX-12-01	88.50	90.00	1.5	882	473	539	134	96	65	36	11.9	25.9	5.6	0.8	7.9	1.3	6.7	149	2434	673	860	6.03
MVX-12-01	90.00	91.50	1.5	1523	919	749	209	111	66	35	10.5	28.5	5.2	0.6	7.7	1.1	5.4	136	3807	958	963	5.06
MVX-12-01	91.50	93.00	1.5	918	511	468	129	71	48	29	10.0	19.3	4.6	0.6	6.1	1.0	5.0	119	2340	597	313	4.13
MVX-12-01	93.00	95.00	2.0	1339	650	791	191	135	87	45	14.4	35.8	6.9	0.9	10.3	1.5	7.6	184	3499	982	592	5.82
MVX-12-01	95.00	96.80	1.8	1081	460	615	158	100	74	45	13.6	28.0	6.7	0.9	9.6	1.4	7.3	183	2782	773	2117	4.10
MVX-12-01	96.80	98.80	2.0	1560	792	721	205	88	43	20	6.6	20.0	3.0	0.6	4.7	0.8	4.4	82	3552	926	509	1.15
MVX-12-01	98.80	100.50	1.7	450	231	211	57	28	15	8	2.9	7.1	1.3	0.3	1.8	0.4	2.4	34	1050	268	280	0.51
MVX-12-01	100.50	102.00	1.5	1044	577	482	138	59	34	17	5.0	14.7	2.4	0.4	3.8	0.5	2.9	64	2444	619	1370	1.09
MVX-12-01	102.00	103.50	1.5	771	447	380	104	57	39	22	7.0	15.6	3.4	0.5	4.8	0.8	4.3	89	1947	485	1688	2.88
MVX-12-01	103.50	105.00	1.5	2039	1454	714	232	72	34	16	4.5	16.3	2.2	0.3	3.7	0.5	2.5	55	4646	946	309	1.50
MVX-12-01	105.00	106.50	1.5	644	333	373	96	55	32	16	5.8	13.8	2.5	0.5	3.7	0.7	4.2	68	1648	469	648	1.25
MVX-12-01	106.50	108.00	1.5	1036	593	470	137	51	25	12	4.5	12.3	1.9	0.4	2.8	0.6	3.5	49	2400	607	1229	0.88
MVX-12-01	108.00	109.50	1.5	703	396	352	98	53	33	17	6.1	13.9	2.7	0.5	3.9	0.7	4.3	71	1756	451	1531	2.09
MVX-12-01	109.50	111.00	1.5	1195	665	645	168	88	49	24	7.4	22.0	3.5	0.5	5.6	0.8	4.6	94	2973	813	1246	2.58
MVX-12-01	111.00	112.50	1.5	1153	549	660	173	90	51	27	8.6	21.9	4.0	0.6	6.0	1.0	5.2	107	2857	833	1363	2.28
MVX-12-01	112.50	114.00	1.5	543	304	296	78	47	29	17	5.7	12.3	2.6	0.4	3.5	0.7	3.6	69	1411	374	485	1.56
MVX-12-01	114.00	115.50	1.5	1010	549	471	133	58	30	17	6.0	14.0	2.6	0.5	3.6	0.7	3.7	70	2369	604	911	2.24
MVX-12-01	115.50	117.00	1.5	526	267	288	74	51	33	19	6.4	13.5	3.0	0.5	4.0	0.7	3.9	80	1370	362	1117	2.62
MVX-12-01	117.00	118.50	1.5	439	236	225	58	34	21	12	4.5	8.8	2.0	0.4	2.6	0.5	3.1	51	1096	283	511	0.94
MVX-12-01	118.50	120.00	1.5	791	446	402	108	59	37	20	6.5	15.5	3.0	0.5	4.4	0.7	3.8	79	1977	510	617	1.91
MVX-12-01	120.00	121.50	1.5	613	310	329	88	49	28	14	4.9	12.4	2.2	0.4	3.3	0.6	3.4	54	1512	417	289	1.08
MVX-12-01	121.50	123.00	1.5	762	379	461	114	74	48	28	9.1	19.6	4.2	0.7	6.0	1.0	5.8	110	2021	575	2403	3.40
MVX-12-01	123.00	124.50	1.5	875	410	519	132	78	50	27	8.2	20.7	3.9	0.6	6.2	0.9	5.1	101	2237	651	498	3.13
MVX-12-01	124.50	126.00	1.5	752	361	398	107	52	29	16	5.5	12.9	2.5	0.5	3.5	0.7	3.8	67	1812	505	514	0.92

Hole ID	From (m)	To (m)	Interval (m)	CeO_2 (ppm)	La_2O_3 (ppm)	Nd_2O_3 (ppm)	Pr_6O_{11} (ppm)	Sm_2O_3 (ppm)	Gd_2O_3 (ppm)	Dy_2O_3 (ppm)	Er_2O_3 (ppm)	Eu_2O_3 (ppm)	Ho_2O_3 (ppm)	Lu_2O_3 (ppm)	Tb_4O_7 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	Nb_2O_5 (ppm)	P_2O_5 (%)
MVX-12-01	126.00	127.50	1.5	626	308	341	91	49	27	13	4.5	12.4	2.0	0.5	3.0	0.6	3.6	51	1533	431	44	0.43
MVX-12-01	127.50	129.00	1.5	838	389	544	129	92	66	43	16.5	25.7	7.0	1.1	8.6	1.9	9.5	193	2365	673	807	4.26
MVX-12-01	129.00	130.50	1.5	1474	810	750	199	101	53	24	7.3	25.0	3.5	0.6	5.8	0.8	4.8	91	3551	949	370	2.35
MVX-12-01	130.50	132.00	1.5	919	476	541	135	85	53	28	8.6	22.2	4.0	0.6	6.3	0.9	5.1	109	2394	677	968	1.69
MVX-12-01	132.00	133.50	1.5	1892	1185	835	239	93	43	21	7.0	21.0	3.2	0.6	5.0	0.8	4.7	86	4436	1074	664	1.19
MVX-12-01	133.50	135.00	1.5	808	437	483	119	64	34	18	6.2	15.3	2.8	0.5	4.1	0.7	4.1	76	2074	602	774	1.05
MVX-12-01	135.00	136.50	1.5	1108	592	601	156	84	50	27	8.3	21.5	3.9	0.6	5.9	0.9	4.8	104	2768	757	1332	2.26
MVX-12-01	136.50	138.00	1.5	744	365	482	115	79	51	28	8.6	20.7	4.1	0.6	6.1	0.9	5.2	108	2018	597	1459	2.70
MVX-12-01	138.00	139.50	1.5	679	320	495	111	91	62	34	10.0	25.4	4.9	0.6	7.4	1.0	5.5	126	1974	606	1631	3.18
MVX-12-01	139.50	141.00	1.5	631	303	372	95	55	35	19	6.0	14.6	2.8	0.5	4.2	0.7	3.8	74	1617	467	1117	1.04
MVX-12-01	141.00	142.50	1.5	757	371	455	112	69	46	24	7.4	18.6	3.5	0.5	5.5	0.8	4.3	91	1965	567	326	1.73
MVX-12-01	142.50	144.00	1.5	1351	733	607	174	78	49	29	9.1	20.3	4.3	0.6	6.2	0.9	4.8	114	3181	781	1193	2.41
MVX-12-01	144.00	145.50	1.5	1045	550	673	156	118	82	49	15.3	32.2	7.4	0.8	10.5	1.6	7.5	196	2944	829	1559	3.02
MVX-12-01	145.50	147.00	1.5	539	284	318	81	57	38	22	7.0	15.5	3.3	0.5	4.8	0.8	4.2	84	1459	399	585	1.73
MVX-12-01	147.00	148.10	1.1	730	346	517	119	98	69	38	11.9	27.1	5.6	0.8	8.5	1.2	6.4	146	2123	635	1645	3.12
MVX-12-01	148.10	150.00	1.9	485	279	220	59	32	16	6	2.2	7.7	0.9	0.3	1.5	0.3	2.0	23	1135	280	313	0.13
MVX-12-01	150.00	151.70	1.7	268	161	109	31	13	7	4	1.7	3.1	0.7	0.3	0.8	0.3	1.8	17	618	140	209	0.07
MVX-12-01	151.70	153.60	1.9	262	161	115	32	15	7	4	2.1	3.3	0.7	0.3	0.8	0.3	2.1	20	624	146	227	0.02
MVX-12-01	153.60	155.00	1.4	2015	1166	1063	277	150	80	39	11.4	36.5	5.6	0.7	9.1	1.2	6.1	149	5008	1339	917	1.76
MVX-12-01	155.00	156.00	1.0	1413	793	666	175	99	64	39	13.2	26.3	6.1	0.9	8.4	1.5	7.5	165	3478	841	1745	3.04
MVX-12-01	156.00	157.50	1.5	1634	999	679	187	86	44	24	8.6	20.7	3.7	0.8	5.2	1.1	6.0	101	3801	866	735	1.66
MVX-12-01	157.50	159.00	1.5	1585	898	769	202	114	67	36	11.4	29.1	5.3	0.9	8.0	1.3	7.2	143	3877	970	1315	2.86
MVX-12-01	159.00	160.50	1.5	908	477	387	114	41	17	8	3.7	9.0	1.4	0.4	1.8	0.5	3.1	36	2009	501	193	0.69
MVX-12-01	160.50	162.00	1.5	386	206	206	51	27	12	7	3.5	6.0	1.2	0.4	1.4	0.5	3.0	33	944	257	177	0.66
MVX-12-01	162.00	163.50	1.5	319	161	171	41	34	27	18	6.7	10.5	2.9	0.5	3.6	0.8	4.2	78	880	213	579	1.56
MVX-12-01	163.50	165.00	1.5	536	277	206	61	22	11	6	2.6	5.1	1.0	0.3	1.2	0.4	2.3	26	1158	268	226	0.32
MVX-12-01	165.00	166.50	1.5	1351	653	533	170	49	21	11	4.0	10.8	1.7	0.3	2.3	0.5	2.8	44	2854	703	259	0.78
MVX-12-01	166.50	168.00	1.5	693	330	450	106	79	55	32	9.5	22.0	4.7	0.6	7.0	1.0	5.1	121	1915	556	797	3.12
MVX-12-01	168.00	169.50	1.5	719	374	433	104	75	51	31	9.7	20.8	4.5	0.7	6.6	1.1	5.9	121	1956	536	639	2.98
MVX-12-01	169.50	171.00	1.5	1012	608	464	128	64	38	20	6.9	16.7	3.1	0.6	4.6	0.8	4.7	82	2453	592	1342	2.65
MVX-12-01	171.00	172.50	1.5	574	300	325	84	61	43	26	8.7	17.0	4.0	0.7	5.5	1.0	5.5	104	1560	410	781	2.84
MVX-12-01	172.50	174.00	1.5	457	245	215	57	33	21	13	4.7	8.9	2.0	0.4	2.6	0.6	3.3	51	1113	272	376	1.11
MVX-12-01	174.00	175.50	1.5	1156	631	539	152	69	37	20	6.7	17.4	3.1	0.5	4.5	0.7	4.1	80	2721	691	449	1.84
MVX-12-01	175.50	177.00	1.5	1523	819	770	204	108	62	33	10.2	27.7	4.9	0.7	7.3	1.1	5.6	125	3701	974	725	3.14
MVX-12-01	177.00	178.50	1.5	1054	555	504	140	66	38	22	7.7	16.9	3.5	0.6	4.8	0.9	4.8	92	2510	644	449	2.70
MVX-12-01	178.50	180.00	1.5	1388	828	735	191	98	55	35	12.7	24.4	5.6	0.9	7.1	1.4	7.5	150	3539	926	1123	2.10
MVX-12-01	180.00	181.50	1.5	1042	608	549	143	64	28	15	5.9	13.9	2.5	0.5	3.3	0.7	4.1	70	2549	692	838	0.93
MVX-12-01	181.50	183.00	1.5	1572	1040	629	185	76	39	23	8.2	18.1	3.6	0.6	4.8	1.0	5.3	100	3705	814	854	1.79
MVX-12-01	183.00	184.50	1.5	810	462	437	111	64	37	22	7.7	16.0	3.5	0.6	4.6	0.9	4.9	94	2074	548	744	1.76
MVX-12-01	184.50	186.00	1.5	1327	895	575	161	73	36	20	8.4	16.9	3.4	0.7	4.1	1.0	5.8	93	3220	736	887	1.54

Hole ID	From (m)	To (m)	Interval (m)	CeO_2 (ppm)	La_2O_3 (ppm)	Nd_2O_3 (ppm)	Pr_6O_{11} (ppm)	Sm_2O_3 (ppm)	Gd_2O_3 (ppm)	Dy_2O_3 (ppm)	Er_2O_3 (ppm)	Eu_2O_3 (ppm)	Ho_2O_3 (ppm)	Lu_2O_3 (ppm)	Tb_4O_7 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	Nb_2O_5 (ppm)	P_2O_5 (%)
MVX-12-01	186.00	187.50	1.5	753	416	404	107	52	27	15	5.1	12.4	2.3	0.4	3.2	0.6	3.3	56	1857	510	433	1.22
MVX-12-01	187.50	189.00	1.5	362	190	209	50	36	23	14	5.0	9.6	2.2	0.5	2.9	0.6	3.5	54	963	259	546	1.38
MVX-12-01	189.00	190.50	1.5	1941	1141	820	243	81	33	16	5.9	17.7	2.5	0.5	3.6	0.7	4.2	63	4374	1063	622	1.24
MVX-12-01	190.50	192.00	1.5	1327	812	637	172	90	52	28	9.2	22.8	4.3	0.7	6.3	1.1	5.8	114	3282	808	526	2.70
MVX-12-01	192.00	193.50	1.5	1278	795	575	164	67	33	18	7.1	15.6	3.0	0.6	3.9	0.9	5.1	80	3047	739	1116	1.61
MVX-12-01	193.50	195.00	1.5	1065	556	551	143	80	47	28	10.4	20.3	4.5	0.9	5.8	1.2	6.9	119	2639	693	1373	3.34
MVX-12-01	195.00	196.50	1.5	445	230	255	60	42	25	15	6.1	10.8	2.5	0.5	3.1	0.7	4.1	64	1163	315	519	1.56
MVX-12-01	196.50	198.00	1.5	629	332	342	89	57	36	23	8.8	15.1	3.7	0.7	4.7	1.1	6.0	101	1649	431	762	1.96
MVX-12-01	198.00	199.50	1.5	695	334	457	110	61	32	20	7.5	14.6	3.1	0.6	4.1	0.9	5.3	85	1831	567	813	1.55
MVX-12-01	199.50	201.00	1.5	1012	559	611	145	96	55	29	9.0	24.4	4.2	0.7	6.5	1.0	5.7	110	2668	756	678	2.69
MVX-12-01	201.00	202.50	1.5	782	381	525	123	79	44	25	8.4	19.5	3.8	0.6	5.4	1.0	5.5	102	2106	648	1379	2.18
MVX-12-01	202.50	204.00	1.5	1110	517	565	130	92	59	34	10.5	24.0	4.7	0.7	6.9	1.1	6.4	133	2695	695	516	3.76
MVX-12-01	204.00	205.50	1.5	1658	904	661	174	81	41	23	8.3	18.9	3.4	0.7	4.4	0.9	5.7	101	3686	835	637	1.89
MVX-12-01	205.50	207.00	1.5	1169	636	412	119	42	18	10	4.1	9.2	1.6	0.4	2.0	0.5	3.0	42	2469	531	313	0.63
MVX-12-01	207.00	208.50	1.5	1560	861	607	161	75	40	21	6.9	18.1	3.0	0.5	4.2	0.8	4.6	87	3450	767	1353	2.27
MVX-12-01	208.50	210.00	1.5	1021	535	453	114	61	33	20	7.6	15.1	3.0	0.6	3.7	0.9	5.5	87	2359	566	843	1.62
MVX-12-01	210.00	211.50	1.5	860	436	317	94	38	15	7	2.6	7.9	1.0	0.3	1.4	0.3	2.4	27	1810	411	362	0.24
MVX-12-01	211.50	213.00	1.5	915	467	443	107	65	38	22	8.4	16.3	3.4	0.7	4.3	1.0	5.9	102	2198	551	761	1.79
MVX-12-01	213.00	214.50	1.5	1063	598	453	114	57	29	15	5.0	13.1	2.1	0.4	3.0	0.5	3.3	55	2410	567	584	1.38
MVX-12-01	214.50	216.00	1.5	844	470	350	90	47	25	13	4.2	11.1	1.8	0.3	2.6	0.4	2.6	46	1909	440	678	1.14
MVX-12-01	216.00	217.50	1.5	1226	683	474	132	62	36	18	5.9	15.9	2.5	0.4	3.8	0.6	3.8	70	2734	605	830	2.11
MVX-12-01	217.50	219.00	1.5	967	420	555	133	65	30	15	5.8	14.1	2.3	0.5	3.0	0.7	4.3	58	2274	688	778	1.26
MVX-12-01	219.00	220.50	1.5	595	298	230	69	30	16	9	3.4	7.4	1.3	0.3	1.7	0.4	2.5	33	1296	298	350	0.57
MVX-12-01	220.50	222.00	1.5	1185	627	469	129	53	25	13	4.5	12.5	1.9	0.4	2.6	0.5	3.3	45	2573	598	529	0.70
MVX-12-01	222.00	223.50	1.5	1022	543	423	113	57	35	18	5.7	14.7	2.5	0.4	3.9	0.6	3.7	69	2313	536	1107	2.22
MVX-12-01	223.50	225.00	1.5	2752	1665	907	272	92	43	19	5.5	21.1	2.5	0.4	4.4	0.5	3.4	69	5858	1179	978	1.52
MVX-12-01	225.00	226.50	1.5	1450	819	567	157	71	40	20	6.9	17.5	2.9	0.5	4.2	0.8	4.7	81	3242	724	1531	2.13
MVX-12-01	226.50	228.00	1.5	1241	666	482	137	54	27	14	4.8	12.5	2.0	0.4	2.9	0.5	3.2	51	2698	618	754	1.10
MVX-12-01	228.00	229.50	1.5	921	496	387	105	49	29	15	5.2	12.4	2.2	0.4	3.2	0.6	3.4	54	2085	492	688	1.48
MVX-12-01	229.50	231.00	1.5	1217	647	511	140	58	32	19	6.5	13.9	2.8	0.5	3.6	0.7	4.3	78	2734	651	853	1.40
MVX-12-01	231.00	232.50	1.5	985	531	425	114	51	28	15	5.4	12.4	2.3	0.4	3.1	0.6	3.6	56	2233	539	511	1.53
MVX-12-01	232.50	234.00	1.5	1195	683	484	134	56	30	17	5.8	13.5	2.4	0.4	3.4	0.6	3.8	60	2689	618	621	1.76
MVX-12-01	234.00	235.50	1.5	1314	765	526	144	69	42	22	7.6	17.3	3.2	0.6	4.6	0.8	5.0	91	3013	670	834	2.41
MVX-12-01	235.50	237.00	1.5	1136	599	423	122	43	21	11	3.9	10.0	1.6	0.4	2.2	0.4	2.9	40	2418	545	325	1.06
MVX-12-01	237.00	238.60	1.6	880	423	680	135	85	35	20	7.4	17.1	3.1	0.6	3.9	0.8	4.7	91	2388	815	445	1.91
MVX-12-01	238.60	240.00	1.4	2125	896	2251	422	213	25	7	2.9	26.3	1.1	0.3	1.0	0.4	2.3	32	6005	2673	631	0.12
MVX-12-01	240.00	241.50	1.5	1130	688	318	113	31	14	8	3.3	6.8	1.2	0.3	1.5	0.4	2.6	32	2350	431	199	0.45
MVX-12-01	241.50	243.00	1.5	495	246	212	50	39	28	16	5.5	10.8	2.3	0.5	3.3	0.6	3.9	59	1172	263	546	1.71
MVX-12-01	243.00	244.50	1.5	918	491	369	96	53	34	19	6.4	13.8	2.7	0.5	4.0	0.7	4.3	75	2088	465	1169	2.33
MVX-12-01	244.50	246.00	1.5	1511	905	552	151	73	44	24	8.1	18.4	3.5	0.5	5.0	0.8	4.7	95	3395	703	953	2.52

Hole ID	From (m)	To (m)	Interval (m)	CeO_2 (ppm)	La_2O_3 (ppm)	Nd_2O_3 (ppm)	Pr_6O_{11} (ppm)	Sm_2O_3 (ppm)	Gd_2O_3 (ppm)	Dy_2O_3 (ppm)	Er_2O_3 (ppm)	Eu_2O_3 (ppm)	Ho_2O_3 (ppm)	Lu_2O_3 (ppm)	Tb_4O_7 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	Nb_2O_5 (ppm)	P_2O_5 (%)
MVX-12-01	246.00	247.50	1.5	1511	874	570	156	54	25	15	5.2	11.9	2.2	0.5	2.9	0.6	3.7	55	3287	726	416	1.47
MVX-12-01	247.50	249.00	1.5	3747	2463	1128	342	103	38	15	5.0	22.0	2.1	0.4	3.3	0.6	3.6	51	7922	1470	439	0.92
MVX-12-01	249.00	250.50	1.5	1265	697	514	135	77	51	27	8.5	20.8	3.7	0.6	5.6	0.9	5.0	102	2913	650	966	2.68
MVX-12-01	250.50	251.50	1.0	1290	746	476	133	58	34	18	5.9	14.9	2.5	0.4	3.7	0.6	3.8	71	2858	609	1376	1.61
MVX-12-01	251.50	253.50	2.0	534	285	204	52	34	23	15	5.8	8.9	2.2	0.6	2.8	0.7	4.7	57	1229	256	418	1.03
MVX-12-01	253.50	255.50	2.0	1196	647	455	128	55	32	18	5.8	13.7	2.5	0.4	3.6	0.6	3.7	60	2622	583	574	1.59
MVX-12-01	255.50	257.20	1.7	752	421	269	80	40	26	14	5.0	10.5	2.1	0.5	2.9	0.6	3.8	50	1677	350	473	1.29
MVX-12-01	257.20	259.20	2.0	1560	887	614	167	81	51	28	9.0	21.5	4.0	0.6	5.8	0.9	5.3	106	3541	780	913	2.89
MVX-12-01	259.20	261.00	1.8	678	341	271	80	45	30	17	6.4	12.0	2.5	0.6	3.5	0.7	4.7	70	1562	350	1000	1.72
MVX-12-01	261.00	262.50	1.5	888	495	325	100	43	26	14	4.8	10.9	1.9	0.4	2.9	0.5	3.1	47	1963	425	1080	1.23
MVX-12-01	262.50	264.00	1.5	1162	600	527	137	77	48	25	8.4	20.6	3.6	0.6	5.2	0.9	5.1	94	2714	664	792	3.01
MVX-12-01	264.00	265.20	1.2	931	496	413	111	49	28	15	5.4	12.6	2.2	0.4	3.1	0.6	3.6	49	2120	524	502	1.17
MVX-12-01	265.20	267.00	1.8	802	414	311	94	45	29	18	7.4	11.6	2.8	0.6	3.4	0.9	5.3	81	1827	406	342	1.00
MVX-12-01	267.00	268.00	1.0	993	576	313	105	32	15	8	3.1	7.1	1.2	0.3	1.6	0.4	2.6	29	2086	417	499	0.27
MVX-12-01	268.00	270.00	2.0	1167	623	475	132	54	29	15	5.2	12.9	2.2	0.4	3.1	0.6	3.5	52	2574	606	785	1.04
MVX-12-01	270.00	271.50	1.5	1929	1104	794	219	87	42	20	7.0	20.6	2.9	0.5	4.2	0.8	4.5	78	4313	1013	740	1.41
MVX-12-01	271.50	273.00	1.5	1879	1044	681	203	66	31	15	5.3	15.3	2.2	0.4	3.2	0.5	3.3	53	4002	884	489	0.50
MVX-12-01	273.00	274.50	1.5	1376	727	601	166	59	30	19	7.4	13.5	2.9	0.6	3.5	0.9	5.0	79	3090	766	857	0.74
MVX-12-01	274.50	276.00	1.5	1781	932	784	220	76	40	23	8.6	17.7	3.4	0.6	4.5	1.0	5.7	96	3993	1004	684	1.39
MVX-12-01	276.00	277.50	1.5	1830	1077	682	203	75	41	23	8.1	18.3	3.3	0.6	4.7	0.9	5.3	91	4063	885	734	1.62
MVX-12-01	277.50	279.00	1.5	1413	745	607	173	61	31	17	6.0	14.2	2.5	0.4	3.5	0.7	4.0	59	3136	779	561	0.92
MVX-12-01	279.00	280.20	1.2	431	226	169	45	21	11	7	2.9	4.8	1.1	0.3	1.3	0.4	2.3	27	951	215	555	0.24
MVX-12-01	280.20	282.00	1.8	607	340	212	58	23	8	5	2.7	4.4	0.9	0.4	0.8	0.4	3.1	22	1287	270	318	0.07
MVX-12-01	282.00	283.90	1.9	1413	780	608	159	76	39	22	8.0	18.5	3.3	0.5	4.3	0.9	4.9	90	3227	767	760	1.47
MVX-12-01	283.90	285.90	2.0	453	250	162	45	19	9	6	3.1	3.9	1.0	0.4	1.0	0.4	3.1	25	982	207	305	0.08
MVX-12-01	285.90	287.40	1.5	1621	910	539	169	53	25	13	4.3	12.6	1.8	0.4	2.6	0.5	3.0	41	3396	708	353	0.73
MVX-12-01	287.40	289.00	1.6	507	274	189	54	27	19	12	4.4	7.7	1.8	0.4	2.3	0.5	3.3	39	1142	243	189	0.90
MVX-12-01	289.00	291.00	2.0	1560	853	534	173	50	27	15	5.5	12.2	2.3	0.5	3.1	0.6	3.7	50	3289	707	230	0.99
MVX-12-01	291.00	292.50	1.5	1560	843	551	173	52	24	14	5.0	11.8	2.1	0.4	2.8	0.5	3.2	47	3290	723	237	0.80
MVX-12-01	292.50	294.00	1.5	727	392	257	82	35	20	13	5.0	8.9	2.0	0.4	2.4	0.6	3.6	45	1594	339	479	0.81
MVX-12-01	294.00	295.50	1.5	2064	1360	625	205	55	23	11	4.1	12.2	1.7	0.4	2.3	0.5	3.0	39	4408	831	325	0.64
MVX-12-01	295.50	297.00	1.5	3636	2416	1091	355	85	24	11	5.3	16.7	1.8	0.6	2.0	0.7	4.7	46	7696	1446	283	0.15
MVX-12-01	297.00	298.50	1.5	2874	1595	1225	338	121	43	17	7.0	25.6	2.6	0.7	3.6	0.9	5.7	63	6322	1563	492	0.29
MVX-12-01	298.50	300.00	1.5	1720	953	730	205	65	21	11	5.2	14.9	1.7	0.5	1.9	0.7	4.4	43	3778	936	356	0.06
MVX-12-01	300.00	301.50	1.5	1042	590	360	118	45	23	11	3.9	10.6	1.5	0.4	2.3	0.5	3.0	35	2245	478	554	0.91
MVX-12-01	301.50	303.00	1.5	5331	3929	1353	477	93	31	12	3.2	18.2	1.5	0.2	2.7	0.3	1.9	32	11287	1830	237	1.05
MVX-12-01	303.00	304.50	1.5	4950	3565	1376	481	98	31	11	2.8	19.0	1.4	0.2	2.5	0.3	1.6	27	10569	1857	565	0.74
MVX-12-01	304.50	306.00	1.5	1104	612	458	124	59	35	21	6.8	15.1	3.0	0.5	4.1	0.7	4.1	70	2518	583	566	2.03
MVX-12-01	306.00	307.50	1.5	882	448	453	111	71	48	31	10.6	19.5	4.6	0.7	5.9	1.1	5.9	117	2208	563	960	3.69
MVX-12-01	307.50	309.00	1.5	4177	2557	1516	478	122	48	23	6.6	27.6	3.0	0.4	4.4	0.7	3.8	63	9030	1995	657	1.49

Hole ID	From (m)	To (m)	Interval (m)	CeO_2 (ppm)	La_2O_3 (ppm)	Nd_2O_3 (ppm)	Pr_6O_{11} (ppm)	Sm_2O_3 (ppm)	Gd_2O_3 (ppm)	Dy_2O_3 (ppm)	Er_2O_3 (ppm)	Eu_2O_3 (ppm)	Ho_2O_3 (ppm)	Lu_2O_3 (ppm)	Tb_4O_7 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	Nb_2O_5 (ppm)	P_2O_5 (%)
MVX-12-01	309.00	310.50	1.5	1004	513	484	127	64	37	21	6.7	16.3	3.0	0.4	4.1	0.7	3.4	63	2346	611	937	2.27
MVX-12-01	310.50	312.00	1.5	658	326	272	72	39	23	13	4.6	9.9	1.9	0.3	2.6	0.5	2.8	41	1466	344	781	1.49
MVX-12-01	312.00	313.50	1.5	871	422	401	117	61	38	21	6.7	16.1	3.0	0.4	4.4	0.6	3.4	63	2030	518	635	2.66
MVX-12-01	313.50	315.00	1.5	837	352	513	128	63	36	21	6.5	16.2	3.0	0.4	4.2	0.6	3.4	62	2047	641	638	1.68
MVX-12-01	315.00	316.50	1.5	3550	1407	2041	533	221	100	28	6.7	53.8	3.1	1.2	7.6	0.9	7.3	59	8020	2574	908	0.29
MVX-12-01	316.50	318.00	1.5	2260	1065	1213	318	141	72	28	8.1	33.1	3.6	0.7	6.5	0.9	5.5	85	5241	1531	750	2.33
MVX-12-01	318.00	319.50	1.5	1302	726	567	159	70	40	21	6.9	17.8	3.0	0.5	4.4	0.7	4.1	63	2986	726	1336	2.56
MVX-12-01	319.50	321.00	1.5	5147	3319	1493	515	118	48	21	6.1	26.6	2.8	0.4	4.6	0.6	3.5	57	10763	2008	986	2.17
MVX-12-01	321.00	322.50	1.5	4177	2557	1516	478	122	75	23	6.6	27.6	3.0	0.4	7.1	0.7	3.8	63	9059	1995	657	2.40
MVX-12-01	322.50	324.00	1.5	3513	2228	1330	388	108	33	17	6.0	22.1	2.3	0.5	2.7	0.7	4.3	52	7707	1718	481	1.02
MVX-12-01	324.00	325.50	1.5	7506	4961	2578	822	188	47	18	5.6	36.1	2.3	0.4	3.2	0.6	3.7	54	16225	3399	681	0.74
MVX-12-01	324.00	325.50	1.5	3169	2041	1166	364	88	24	11	3.4	16.9	1.4	0.3	1.8	0.4	2.3	30	6920	1530	755	0.54
MVX-12-01	325.50	327.00	1.5	6240	4081	2053	669	153	45	14	3.1	32.7	1.5	0.2	2.9	0.3	2.0	28	13327	2722	183	0.31
MVX-12-01	327.00	328.50	1.5	1879	1148	703	211	55	16	7	2.7	11.0	1.0	0.3	1.3	0.3	2.2	23	4062	915	366	0.25
MVX-12-01	328.50	330.00	1.5	386	168	253	53	48	32	18	6.9	13.3	2.7	0.5	3.5	0.8	4.8	63	1053	306	492	1.17
MVX-12-01	330.00	331.50	1.5	313	134	191	43	32	19	9	2.9	8.4	1.2	0.3	1.9	0.3	2.1	28	787	234	259	0.51
MVX-12-01	331.50	333.00	1.5	484	203	309	80	55	39	24	7.4	15.6	3.2	0.5	4.6	0.8	4.3	81	1311	390	1010	2.55
MVX-12-01	333.00	334.50	1.5	1523	792	723	196	75	37	23	7.7	18.8	3.2	0.5	4.2	0.8	4.4	82	3490	919	489	2.39
MVX-12-01	334.50	336.00	1.5	501	230	271	74	40	20	10	4.2	10.2	1.6	0.4	1.9	0.5	3.0	37	1204	344	755	0.20
MVX-12-01	336.00	337.50	1.5	779	332	691	135	90	23	10	4.6	15.4	1.5	0.5	1.6	0.6	4.0	35	2122	826	391	0.00
MVX-12-01	337.50	339.00	1.5	658	314	343	96	43	20	12	4.3	10.0	1.7	0.3	2.2	0.5	2.7	38	1547	439	336	0.73
MVX-12-01	339.00	340.50	1.5	948	454	577	139	62	26	15	5.0	14.0	2.0	0.4	2.6	0.5	3.3	47	2296	716	345	1.06
MVX-12-01	340.50	342.00	1.5	778	297	644	138	91	52	26	8.0	23.7	3.5	0.5	5.3	0.8	4.6	90	2163	782	423	3.63
MVX-12-01	342.00	343.50	1.5	978	372	846	185	90	32	13	4.3	19.3	1.7	0.4	2.5	0.5	3.4	37	2584	1030	956	0.82
MVX-12-01	343.50	345.00	1.5	1302	487	1225	256	141	36	7	1.5	27.4	0.7	0.1	1.5	0.2	1.2	13	3500	1481	2160	0.00
MVX-12-01	345.00	346.50	1.5	701	317	531	116	87	55	29	8.3	24.3	3.9	0.4	5.9	0.8	4.1	97	1980	647	1702	3.51
MVX-12-01	346.50	348.00	1.5	1176	691	549	150	65	32	17	4.9	16.0	2.2	0.3	3.3	0.5	2.7	47	2757	699	416	1.37
MVX-12-01	348.00	349.50	1.5	994	474	629	156	58	20	10	3.7	12.3	1.5	0.3	1.8	0.4	2.7	34	2396	785	329	0.39
MVX-12-01	349.50	351.00	1.5	451	199	332	76	67	39	21	6.2	17.9	2.8	0.4	4.1	0.6	3.4	61	1282	409	441	1.47
MVX-12-01	351.00	352.50	1.5	409	158	327	74	64	38	20	5.4	17.0	2.5	0.3	4.0	0.5	2.7	54	1176	400	654	1.89
MVX-12-01	352.50	354.00	1.5	2137	1109	1074	290	103	35	14	4.4	22.7	1.8	0.3	2.9	0.5	3.0	41	4840	1364	412	0.62
MVX-12-01	354.00	355.50	1.5	420	208	252	55	43	27	16	5.2	11.7	2.3	0.3	3.0	0.5	2.7	49	1095	307	481	1.46
MVX-12-01	355.50	357.00	1.5	638	345	330	90	54	34	22	7.4	14.8	3.2	0.4	3.9	0.7	3.4	77	1623	420	428	2.15
MVX-12-01	357.00	358.50	1.5	638	347	282	86	42	25	16	5.4	11.4	2.3	0.3	2.9	0.5	2.7	50	1512	368	1100	1.83
MVX-12-01	358.50	360.00	1.5	1867	1086	715	225	66	29	15	4.7	15.7	2.1	0.3	2.8	0.4	2.3	45	4077	940	305	1.80
MVX-12-01	360.00	361.50	1.5	882	488	316	92	51	33	23	7.7	14.2	3.3	0.4	4.0	0.7	3.6	80	1999	408	1184	2.62
MVX-12-01	361.50	363.00	1.5	797	414	345	90	67	46	30	10.4	19.3	4.5	0.5	5.6	1.0	4.9	128	1963	435	1888	3.54
MVX-12-01	363.00	364.50	1.5	362	168	191	39	45	36	24	8.7	14.1	3.6	0.5	4.5	0.9	4.7	106	1010	231	270	2.49
MVX-12-01	364.50	366.00	1.5	1351	494	919	202	121	61	25	7.4	30.0	3.2	0.5	5.6	0.8	4.7	77	3302	1121	340	1.27
MVX-12-01	366.00	367.50	1.5	511	237	266	58	46	28	20	7.0	12.2	2.9	0.5	3.5	0.7	4.2	67	1263	324	403	2.04

Hole ID	From (m)	To (m)	Interval (m)	CeO_2 (ppm)	La_2O_3 (ppm)	Nd_2O_3 (ppm)	Pr_6O_{11} (ppm)	Sm_2O_3 (ppm)	Gd_2O_3 (ppm)	Dy_2O_3 (ppm)	Er_2O_3 (ppm)	Eu_2O_3 (ppm)	Ho_2O_3 (ppm)	Lu_2O_3 (ppm)	Tb_4O_7 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	Nb_2O_5 (ppm)	P_2O_5 (%)
MVX-12-01	367.50	369.00	1.5	1388	725	528	150	46	14	6	2.2	9.8	0.8	0.3	1.1	0.3	2.0	19	2893	678	253	0.09
MVX-12-01	369.00	370.50	1.5	1241	643	495	132	50	18	7	2.2	11.2	0.8	0.2	1.4	0.3	1.9	20	2623	626	657	0.21
MVX-12-01	370.50	372.00	1.5	795	374	355	101	43	21	10	3.6	10.3	1.4	0.3	2.0	0.4	2.7	35	1753	455	807	0.70
MVX-12-01	372.00	373.60	1.6	1327	644	713	172	86	45	26	8.6	22.2	3.7	0.6	4.8	0.9	5.0	99	3157	884	1817	3.69
MVX-12-01	373.60	375.00	1.4	1290	773	467	138	43	18	9	3.2	9.8	1.3	0.2	1.7	0.3	2.0	31	2787	604	348	0.75
MVX-12-01	375.00	376.50	1.5	4054	2756	1127	335	85	30	15	4.3	18.6	1.8	0.3	2.5	0.4	2.8	40	8472	1461	415	1.33
MVX-12-01	376.50	378.00	1.5	743	443	259	80	36	22	13	4.5	9.8	1.9	0.3	2.6	0.5	2.7	44	1663	339	245	1.38
MVX-12-01	378.00	379.50	1.5	7334	4504	2135	695	135	30	10	2.1	25.9	1.0	0.2	1.7	0.2	1.4	21	14894	2829	51	0.28
MVX-12-01	379.50	381.00	1.5	2469	1501	751	238	58	20	11	3.3	13.2	1.5	0.2	2.0	0.3	1.8	33	5103	989	237	1.15
MVX-12-01	381.00	382.50	1.5	2838	2005	715	213	51	17	12	4.0	11.3	1.6	0.2	1.7	0.4	2.3	39	5912	928	236	1.17
MVX-12-01	382.50	384.00	1.5	681	402	226	53	38	28	23	10.3	11.5	3.6	0.8	3.6	1.1	6.9	102	1592	279	745	4.37
MVX-12-01	384.00	385.20	1.2	4877	3401	1271	430	80	18	8	2.3	15.6	1.0	0.2	1.2	0.2	1.4	20	10128	1701	118	0.46
MVX-12-01	385.20	386.60	1.4	1265	819	339	111	36	19	12	4.2	9.2	1.7	0.3	2.1	0.4	2.9	42	2665	450	392	1.09
MVX-12-01	386.60	387.80	1.2	7997	5559	2030	689	135	40	20	6.1	28.6	2.6	0.4	3.4	0.6	3.8	56	16570	2718	385	1.99
MVX-12-01	387.80	390.00	2.2	2322	1407	721	231	54	16	9	2.9	11.0	1.2	0.2	1.4	0.3	1.8	28	4806	952	154	0.38
MVX-12-01	390.00	391.50	1.5	3243	2252	899	297	63	16	8	2.4	13.1	1.0	0.2	1.3	0.3	1.7	23	6822	1197	166	0.27
MVX-12-01	391.50	393.00	1.5	1400	888	442	137	40	19	11	3.7	9.8	1.6	0.3	2.1	0.4	2.1	35	2992	579	146	0.80
MVX-12-01	393.00	394.50	1.5	3182	2029	1043	319	95	43	21	6.4	23.0	2.9	0.4	4.0	0.7	3.8	61	6835	1362	389	2.19
MVX-12-01	394.50	396.00	1.5	2223	1407	699	221	59	27	17	6.2	14.1	2.5	0.4	3.0	0.7	3.8	57	4740	920	170	1.65
MVX-12-01	396.00	397.50	1.5	2039	827	1435	317	141	37	14	4.5	28.1	1.9	0.4	2.4	0.5	3.2	43	4893	1751	121	0.18
MVX-12-01	397.50	399.00	1.5	2187	1349	735	219	64	25	15	5.3	14.7	2.1	0.4	2.5	0.6	3.5	49	4671	954	170	0.88
MVX-12-01	399.00	400.50	1.5	3182	2228	876	286	65	22	11	3.6	14.2	1.5	0.3	2.0	0.4	2.3	39	6734	1162	173	0.60
MVX-12-01	400.50	402.00	1.5	846	532	260	88	28	15	10	3.8	7.1	1.5	0.3	1.7	0.4	2.6	35	1833	349	116	0.75
MVX-12-01	402.00	403.50	1.5	1560	1040	470	150	39	17	12	4.4	9.2	1.8	0.3	2.1	0.5	2.9	42	3352	620	98	0.81
MVX-12-01	403.50	405.00	1.5	3526	2170	1103	350	79	20	9	2.8	15.4	1.2	0.2	1.6	0.3	1.8	27	7308	1454	236	0.32
MVX-12-01	405.00	406.50	1.5	2334	1478	760	237	58	17	9	4.8	11.6	1.5	0.5	1.4	0.6	4.2	38	4956	997	210	0.38
MVX-12-01	406.50	408.00	1.5	5049	3647	1213	379	84	26	16	5.8	18.6	2.2	0.4	2.3	0.6	3.8	53	10501	1592	253	1.76
MVX-12-01	408.00	409.50	1.5	3599	2088	1124	356	80	24	12	3.8	16.1	1.6	0.3	2.0	0.4	2.3	36	7346	1481	172	1.43
MVX-12-01	409.50	411.00	1.5	7506	4609	2228	723	145	34	11	2.5	27.4	1.2	0.2	2.0	0.3	1.7	25	15316	2950	83	0.18
MVX-12-01	411.00	413.00	2.0	13635	10860	2904	953	173	35	12	2.4	33.9	1.2	0.1	1.7	0.2	1.4	24	28639	3858	25	0.02
MVX-12-01	413.00	414.70	1.7	18549	14543	4257	1341	271	51	17	3.8	50.9	1.7	0.3	2.0	0.4	2.4	35	39127	5598	59	0.00
MVX-12-01	414.70	416.70	2.0	2948	2228	723	221	49	15	9	3.1	10.4	1.2	0.2	1.3	0.3	2.0	30	6242	944	192	0.49
MVX-12-01	416.70	418.70	2.0	1904	1255	642	201	53	17	8	3.1	11.3	1.1	0.4	1.4	0.4	2.9	26	4126	842	210	0.20
MVX-12-01	418.70	420.00	1.3	9115	6286	2496	826	169	40	12	3.3	32.4	1.5	0.3	2.2	0.4	2.4	30	19018	3323	77	0.05
MVX-12-01	420.00	421.50	1.5	1830	1072	772	209	89	46	32	13.4	22.1	5.1	0.8	5.3	1.4	7.6	135	4240	981	1270	4.71
MVX-12-01	421.50	423.00	1.5	945	352	794	172	83	31	20	7.6	17.9	3.0	0.4	3.2	0.8	4.0	78	2510	966	355	1.90
MVX-12-01	423.00	424.50	1.5	461	225	240	57	30	16	10	3.6	7.4	1.4	0.3	1.7	0.4	2.7	35	1090	297	187	0.54
MVX-12-01	424.50	426.00	1.5	464	260	188	48	28	19	14	5.6	7.9	2.2	0.3	2.4	0.5	2.8	50	1092	236	246	1.57
MVX-12-01	426.00	427.50	1.5	1214	720	489	139	49	21	12	4.1	11.9	1.7	0.3	2.1	0.4	2.3	38	2705	628	199	1.25
MVX-12-01	427.50	429.00	1.5	3354	2041	1236	358	101	31	14	4.7	21.0	1.9	0.3	2.5	0.5	2.9	45	7213	1594	295	0.58

Hole ID	From (m)	To (m)	Interval (m)	CeO_2 (ppm)	La_2O_3 (ppm)	Nd_2O_3 (ppm)	Pr_6O_{11} (ppm)	Sm_2O_3 (ppm)	Gd_2O_3 (ppm)	Dy_2O_3 (ppm)	Er_2O_3 (ppm)	Eu_2O_3 (ppm)	Ho_2O_3 (ppm)	Lu_2O_3 (ppm)	Tb_4O_7 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	Nb_2O_5 (ppm)	P_2O_5 (%)
MVX-12-01	429.00	430.50	1.5	716	395	285	86	35	17	10	4.7	8.6	1.6	0.4	1.8	0.6	3.5	39	1605	370	209	0.52
MVX-12-01	430.50	432.00	1.5	2764	1595	1025	303	88	29	15	5.9	19.0	2.2	0.4	2.5	0.6	3.7	51	5905	1329	295	0.78
MVX-12-01	432.00	433.50	1.5	629	303	317	85	48	28	15	4.9	12.9	2.1	0.3	3.0	0.5	2.7	47	1498	403	1183	1.86
MVX-12-01	433.50	435.00	1.5	393	172	260	53	47	27	15	4.9	12.2	2.1	0.3	2.8	0.5	2.8	48	1042	313	798	1.42
MVX-12-01	435.00	436.50	1.5	516	218	332	81	50	26	15	5.1	12.5	2.1	0.3	2.8	0.5	2.9	49	1314	414	1473	1.21
MVX-12-01	436.50	437.70	1.2	898	398	625	138	85	47	26	7.2	22.3	3.4	0.5	5.0	0.7	4.1	83	2343	763	1303	2.42
MVX-12-01	437.70	439.50	1.8	1499	763	759	193	84	41	21	6.6	20.6	2.9	0.4	4.1	0.7	3.6	64	3465	953	3219	4.01
MVX-12-01	439.50	441.10	1.6	1044	330	705	170	81	43	25	7.6	21.9	3.3	0.5	4.6	0.8	4.3	84	2524	875	2861	3.73
MVX-12-01	441.10	442.40	1.3	957	477	352	98	37	14	8	4.0	8.2	1.3	0.3	1.3	0.5	3.1	34	1996	450	389	0.48
MVX-12-01	442.40	444.40	2.0	3587	2381	1005	295	70	20	11	3.7	14.7	1.4	0.3	1.6	0.4	2.7	34	7427	1300	279	0.81
MVX-12-01	444.40	446.10	1.7	692	333	309	79	45	29	18	6.4	12.5	2.5	0.5	3.1	0.7	4.4	58	1593	388	1277	1.29
MVX-12-01	446.10	447.40	1.3	10294	7107	2263	741	146	35	10	1.5	31.6	0.8	0.1	1.7	0.1	0.9	16	20648	3003	35	0.00
MVX-12-01	447.40	449.00	1.6	654	376	245	65	41	28	21	8.2	11.7	3.0	0.6	3.4	0.9	5.2	94	1556	309	415	2.31
MVX-12-01	449.00	450.00	1.0	1302	515	687	163	52	21	17	7.5	12.0	2.6	0.6	2.4	0.8	5.6	78	2868	850	173	1.98
MVX-12-01	450.00	451.20	1.2	2027	1168	888	203	109	62	42	15.6	29.2	5.9	1.0	6.8	1.5	8.8	170	4737	1091	1176	7.08
MVX-12-01	451.20	453.00	1.8	1376	875	492	126	50	22	14	5.1	12.0	1.9	0.3	2.3	0.5	3.2	48	3028	618	328	1.68
MVX-12-01	453.00	454.50	1.5	2309	1583	783	203	83	42	25	7.9	20.5	3.3	0.5	4.2	0.7	4.3	92	5161	986	785	2.65
MVX-12-01	454.50	456.00	1.5	1499	889	660	151	84	49	30	10.7	22.5	4.2	0.7	5.0	1.1	6.4	119	3531	811	1227	4.06
MVX-12-01	456.00	457.50	1.5	1474	1115	391	122	50	27	16	5.3	12.9	2.1	0.3	2.8	0.5	3.1	51	3273	513	418	1.67
MVX-12-01	457.50	459.00	1.5	1376	970	542	128	69	38	22	7.5	18.1	3.0	0.4	3.8	0.7	4.2	85	3269	670	263	3.09
MVX-12-01	459.00	460.50	1.5	3366	2287	1012	286	82	31	18	5.9	18.4	2.4	0.4	2.9	0.6	3.4	55	7172	1299	665	2.36
MVX-12-01	460.50	462.00	1.5	753	454	293	78	49	31	19	6.5	13.5	2.5	0.5	3.3	0.7	4.2	58	1765	371	931	2.22
MVX-12-01	462.00	463.50	1.5	703	409	236	71	24	8	3	0.7	5.1	0.3	0.1	0.6	0.1	0.6	6	1467	307	131	0.00
MVX-12-01	463.50	465.00	1.5	1241	829	343	112	35	15	8	2.8	8.6	1.1	0.2	1.4	0.3	1.9	24	2623	455	1116	0.96
MVX-12-01	466.50	467.90	1.4	4692	3389	1260	377	82	18	6	1.1	16.1	0.6	0.1	0.8	0.1	0.8	11	9855	1637	605	0.03
MVX-12-01	467.90	469.50	1.6	615	367	234	53	34	21	13	4.0	10.3	1.6	0.3	2.2	0.4	2.3	38	1396	287	1189	1.50
MVX-12-01	469.50	471.00	1.5	4189	3049	1149	346	77	20	10	3.0	15.5	1.3	0.2	1.5	0.3	1.9	28	8891	1494	169	0.54
MVX-12-01	471.00	472.50	1.5	1290	878	483	128	50	23	13	4.7	12.0	1.8	0.4	2.2	0.5	3.3	42	2932	611	462	0.90
MVX-12-01	472.50	474.00	1.5	6584	4762	1808	550	117	25	10	3.6	22.8	1.3	0.4	1.4	0.4	3.1	29	13918	2358	269	0.03
MVX-12-01	474.00	475.20	1.2	1265	839	498	124	55	28	16	5.8	13.8	2.1	0.4	2.9	0.6	3.9	52	2907	622	255	1.64
MVX-12-01	475.20	477.00	1.8	8808	6415	2344	723	147	33	12	2.7	28.0	1.2	0.2	1.5	0.3	1.9	25	18542	3067	117	0.00
MVX-12-01	477.00	478.50	1.5	2567	1759	767	231	52	11	5	1.8	10.1	0.6	0.2	0.6	0.2	1.6	14	5422	998	236	0.01
MVX-12-01	478.50	480.00	1.5	3440	2533	960	284	66	19	11	3.5	13.8	1.4	0.3	1.6	0.3	2.3	33	7368	1244	587	0.86
MVX-12-01	480.00	481.50	1.5	332	188	124	29	18	11	7	2.4	5.6	0.9	0.2	1.2	0.3	1.7	23	743	153	162	0.66
MVX-12-01	481.50	483.00	1.5	4533	3401	1178	367	75	18	8	2.5	15.2	1.0	0.2	1.3	0.3	1.8	23	9625	1545	362	0.53
MVX-12-01	483.00	484.50	1.5	6805	4773	1890	558	132	39	16	3.9	27.8	1.8	0.3	2.8	0.4	2.3	38	14291	2448	518	2.02
MVX-12-01	484.50	486.00	1.5	5663	4046	1528	475	91	16	6	1.5	17.3	0.7	0.1	0.6	0.2	1.1	14	11860	2003	175	0.14
MVX-12-01	486.00	487.50	1.5	4742	3401	1306	404	87	22	10	3.3	17.8	1.3	0.3	1.4	0.4	2.4	29	10027	1710	216	0.65
MVX-12-01	487.50	489.00	1.5	10933	7963	2799	886	180	38	12	2.1	34.4	1.1	0.1	1.7	0.2	1.4	21	22874	3685	313	0.06
MVX-12-01	489.00	490.50	1.5	14127	10426	3348	1092	205	42	13	2.1	40.5	1.2	0.1	1.8	0.2	1.3	21	29321	4440	154	0.06

Hole ID	From (m)	To (m)	Interval (m)	CeO_2 (ppm)	La_2O_3 (ppm)	Nd_2O_3 (ppm)	Pr_6O_{11} (ppm)	Sm_2O_3 (ppm)	Gd_2O_3 (ppm)	Dy_2O_3 (ppm)	Er_2O_3 (ppm)	Eu_2O_3 (ppm)	Ho_2O_3 (ppm)	Lu_2O_3 (ppm)	Tb_4O_7 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	Nb_2O_5 (ppm)	P_2O_5 (%)
MVX-12-01	490.50	492.00	1.5	3108	2158	976	274	82	31	17	5.3	19.3	2.2	0.3	2.8	0.5	3.1	52	6732	1251	1174	1.74
MVX-12-01	492.00	493.50	1.5	1209	828	356	115	36	15	7	2.3	8.4	0.9	0.1	1.3	0.2	1.4	21	2602	471	263	0.62
MVX-12-01	493.50	495.00	1.5	855	522	357	94	45	21	12	4.3	10.8	1.6	0.4	2.1	0.5	3.2	40	1970	451	303	0.64
MVX-12-01	495.00	496.50	1.5	3083	1642	1295	341	83	19	9	3.6	15.2	1.2	0.3	1.2	0.4	2.9	30	6528	1635	270	0.38
MVX-12-01	496.50	498.00	1.5	3661	1478	1598	440	78	12	10	4.7	14.1	1.6	0.5	0.9	0.6	4.1	39	7342	2038	399	0.38
MVX-12-01	498.00	499.50	1.5	3808	2205	1656	411	108	25	15	5.5	21.3	2.0	0.5	1.8	0.6	4.1	47	8311	2067	569	0.94
MVX-12-01	499.50	501.00	1.5	2088	1196	949	243	67	18	10	4.2	13.5	1.4	0.4	1.4	0.5	3.6	35	4632	1192	880	0.65
MVX-12-01	501.00	502.50	1.5	5602	2346	2135	622	79	0	7	4.4	15.4	1.4	0.4	0.0	0.5	3.3	39	10854	2757	143	0.00
MVX-12-01	502.50	504.00	1.5	4115	2522	1376	400	78	10	6	3.1	13.7	1.0	0.3	0.5	0.4	2.7	23	8552	1776	112	0.15
MVX-12-01	504.00	505.50	1.5	2531	1105	1106	302	51	7	8	4.0	9.1	1.2	0.4	0.6	0.5	3.6	31	5159	1408	348	0.10
MVX-12-01	505.50	507.00	1.5	4078	3061	1178	349	87	26	14	4.2	18.3	1.8	0.3	2.0	0.4	2.6	40	8862	1527	370	1.02
MVX-12-01	507.00	509.00	2.0	5208	3847	1575	468	95	16	8	2.7	17.3	1.0	0.3	0.8	0.3	2.2	22	11263	2042	722	0.10
MVX-12-01	509.00	510.50	1.5	1621	1056	619	158	60	22	10	3.0	13.1	1.2	0.3	1.8	0.3	2.1	29	3598	778	332	0.82
MVX-12-01	510.50	511.50	1.0	786	351	336	92	43	27	22	7.3	11.5	2.9	0.5	3.5	0.7	4.5	83	1771	428	268	0.98
MVX-12-01	511.50	513.00	1.5	876	443	476	103	71	47	39	13.3	19.8	5.4	0.7	6.0	1.2	6.5	151	2259	579	1688	4.36
MVX-12-01	513.00	514.50	1.5	2039	936	830	220	58	13	9	3.9	10.4	1.4	0.4	1.0	0.4	3.1	34	4160	1050	268	0.44
MVX-12-01	514.50	516.00	1.5	2518	1806	674	213	52	21	10	2.9	12.3	1.2	0.3	1.8	0.3	2.1	27	5342	887	104	0.18
MVX-12-01	516.00	517.20	1.2	1184	697	520	129	44	13	8	3.5	8.8	1.2	0.4	1.1	0.4	3.0	28	2642	649	269	0.24
MVX-12-01	517.20	519.00	1.8	3194	1454	1435	372	84	9	6	2.6	13.1	0.8	0.3	0.2	0.4	2.6	21	6595	1807	358	0.01
MVX-12-01	519.00	520.50	1.5	4926	2134	2135	553	119	8	6	2.3	17.5	0.7	0.3	0.0	0.3	2.4	17	9921	2688	212	0.00
MVX-12-01	520.50	522.00	1.5	2162	1054	949	253	45	3	5	3.6	6.9	1.0	0.4	0.1	0.5	3.4	26	4513	1202	202	0.00
MVX-12-01	522.00	523.90	1.9	4164	1794	1785	509	60	0	8	5.1	8.7	1.5	0.5	0.0	0.7	4.7	40	8381	2293	435	0.00
MVX-12-01	523.90	525.90	2.0	1201	694	591	139	66	28	14	4.3	14.8	1.7	0.3	2.4	0.4	2.7	39	2799	730	472	1.46
MVX-12-01	525.90	527.90	2.0	2150	1349	899	227	65	19	13	5.5	13.4	1.9	0.4	1.8	0.6	4.0	47	4797	1126	476	1.17
MVX-12-01	527.90	529.50	1.6	1450	982	643	151	81	44	26	7.8	20.8	3.4	0.4	4.4	0.7	4.2	89	3506	794	687	3.28
MVX-12-01	529.50	531.00	1.5	619	300	387	88	75	46	25	8.5	20.3	3.3	0.5	4.6	0.8	5.0	88	1671	475	594	3.34
MVX-12-01	531.00	532.50	1.5	747	331	524	105	79	44	25	8.9	20.4	3.4	0.5	4.5	0.9	5.2	95	1994	629	1386	3.47
MVX-12-01	532.50	534.00	1.5	2997	2134	939	277	72	21	10	3.0	14.9	1.2	0.2	1.5	0.3	1.9	27	6501	1216	418	0.83
MVX-12-01	534.00	535.50	1.5	1278	867	513	127	67	36	18	5.0	17.8	2.2	0.3	3.4	0.5	2.7	50	2986	640	262	2.13
MVX-12-01	535.50	537.00	1.5	755	449	349	88	63	41	21	5.9	17.0	2.6	0.3	4.1	0.5	2.9	58	1857	437	433	2.10
MVX-12-01	537.00	538.50	1.5	2973	2041	1003	279	80	21	8	2.3	15.6	1.0	0.2	1.2	0.2	1.7	23	6449	1282	363	0.29
MVX-12-01	538.50	540.00	1.5	914	468	369	107	28	6	3	1.8	5.0	0.5	0.2	0.4	0.2	1.7	14	1919	476	536	0.00
MVX-12-01	540.00	541.50	1.5	936	427	551	126	43	11	6	2.1	8.4	0.8	0.2	0.9	0.2	1.5	20	2133	676	864	0.09
MVX-12-01	541.50	543.00	1.5	1188	677	572	139	52	20	11	3.8	11.0	1.5	0.3	1.8	0.4	2.6	36	2715	710	926	0.92
MVX-12-01	543.00	544.50	1.5	1176	674	577	134	63	25	11	3.2	13.9	1.3	0.2	1.9	0.3	2.1	29	2713	711	757	1.10
MVX-12-01	544.50	546.00	1.5	2174	1325	841	222	55	10	8	4.0	9.9	1.2	0.4	0.8	0.5	3.7	30	4686	1063	368	0.00
MVX-12-01	546.00	547.50	1.5	1486	839	675	172	45	8	5	2.4	7.9	0.7	0.3	0.4	0.3	2.5	18	3262	847	435	0.00
MVX-12-01	547.50	549.00	1.5	2629	1759	842	240	58	11	5	2.0	10.8	0.7	0.2	0.5	0.3	1.9	16	5577	1083	535	0.01
MVX-12-01	549.00	550.50	1.5	1413	827	630	153	53	15	8	3.1	10.6	1.1	0.3	1.2	0.4	2.5	27	3146	783	771	0.39
MVX-12-01	550.50	552.00	1.5	568	269	279	62	29	9	5	2.0	5.8	0.7	0.2	0.8	0.2	1.7	16	1247	340	408	0.15

Hole ID	From (m)	To (m)	Interval (m)	CeO_2 (ppm)	La_2O_3 (ppm)	Nd_2O_3 (ppm)	Pr_6O_{11} (ppm)	Sm_2O_3 (ppm)	Gd_2O_3 (ppm)	Dy_2O_3 (ppm)	Er_2O_3 (ppm)	Eu_2O_3 (ppm)	Ho_2O_3 (ppm)	Lu_2O_3 (ppm)	Tb_4O_7 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	Nb_2O_5 (ppm)	P_2O_5 (%)
MVX-12-01	552.00	553.50	1.5	698	328	369	89	57	32	17	4.8	14.2	2.1	0.3	3.1	0.4	2.7	49	1667	458	659	2.21
MVX-12-01	553.50	555.00	1.5	2813	2111	854	248	66	21	8	2.4	13.9	1.0	0.2	1.4	0.2	1.7	22	6163	1101	890	0.22
MVX-12-01	555.00	556.50	1.5	4435	3460	1236	372	80	19	8	2.3	16.0	0.9	0.2	1.1	0.3	1.8	20	9652	1609	556	0.03
MVX-12-01	556.50	558.00	1.5	1364	917	422	132	42	13	5	1.7	8.7	0.6	0.2	0.9	0.2	1.5	15	2923	554	323	0.14
MVX-12-01	558.00	559.50	1.5	9360	7131	2461	768	158	33	11	2.7	30.6	1.2	0.2	1.4	0.3	2.0	24	19985	3230	259	0.00
MVX-12-01	559.50	561.00	1.5	1536	1173	511	143	46	17	6	1.9	10.0	0.8	0.2	1.2	0.2	1.5	17	3463	653	296	0.37
MVX-12-01	561.00	562.20	1.2	3992	2733	1271	353	92	22	10	3.4	17.7	1.3	0.3	1.4	0.4	2.8	30	8530	1624	871	0.52
MVX-12-01	562.20	564.00	1.8	1150	678	554	132	56	24	12	3.5	12.6	1.5	0.2	2.2	0.3	1.9	34	2662	686	754	1.43
MVX-12-01	564.00	565.50	1.5	1523	793	938	202	107	44	23	6.3	23.0	2.8	0.4	4.0	0.6	3.9	63	3734	1140	884	3.55
MVX-12-01	565.50	567.00	1.5	3833	2334	1306	384	70	12	8	2.6	12.9	1.0	0.3	0.8	0.3	2.3	25	7992	1691	252	0.46
MVX-12-01	567.00	568.50	1.5	2322	1231	932	254	45	3	3	1.1	7.0	0.4	0.2	0.0	0.1	1.1	11	4811	1186	525	0.10
MVX-12-01	568.50	570.50	2.0	3685	2158	1446	388	90	21	13	4.1	16.8	1.7	0.3	1.5	0.4	2.4	39	7867	1834	489	1.09
MVX-12-01	570.50	572.50	2.0	1609	828	934	201	128	66	37	11.4	31.7	4.8	0.6	6.5	1.0	5.9	130	3994	1135	1283	5.73
MVX-12-01	572.50	574.50	2.0	1206	632	537	138	46	16	9	3.0	10.0	1.2	0.3	1.4	0.3	2.6	29	2632	674	458	0.78
MVX-12-01	574.50	576.00	1.5	1174	672	509	129	45	16	9	2.7	9.9	1.1	0.2	1.4	0.3	1.8	27	2598	638	220	0.44
MVX-12-01	576.00	577.50	1.5	1621	833	672	172	57	20	11	3.6	12.6	1.4	0.3	1.8	0.4	2.4	37	3446	843	335	1.00
MVX-12-01	577.50	579.00	1.5	1425	732	649	161	56	20	10	3.1	12.3	1.3	0.2	1.7	0.3	2.1	30	3103	809	329	1.27
MVX-12-01	579.00	580.50	1.5	951	495	376	108	43	19	10	3.2	9.7	1.3	0.2	1.8	0.3	1.9	31	2051	484	197	1.34
MVX-12-01	580.50	582.00	1.5	1222	668	523	129	46	17	10	3.2	10.1	1.3	0.2	1.6	0.3	2.0	31	2666	652	235	0.99
MVX-12-01	586.50	588.00	1.5	1033	555	391	113	46	24	13	4.0	11.3	1.6	0.3	2.3	0.4	2.5	40	2236	503	262	0.95
MVX-12-01	594.00	595.50	1.5	966	576	359	102	43	23	14	4.7	10.8	1.9	0.3	2.4	0.5	2.8	45	2152	462	272	0.67
MVX-12-01	600.00	601.50	1.5	1058	647	369	107	44	24	14	4.4	11.3	1.8	0.3	2.5	0.4	2.5	44	2330	476	272	0.71
MVX-12-01	603.50	605.00	1.5	1486	877	617	152	59	27	17	5.4	14.6	2.3	0.3	2.8	0.5	3.0	53	3318	769	302	0.47
MVX-12-01	615.00	616.50	1.5	1327	751	549	143	57	28	17	5.3	14.0	2.2	0.3	2.9	0.5	3.2	51	2950	692	330	0.80
MVX-12-01	621.00	622.50	1.5	1658	955	629	163	59	27	16	4.6	14.2	2.0	0.2	2.7	0.4	2.3	49	3581	792	293	0.39
MVX-12-01	627.00	628.50	1.5	1744	987	698	179	69	32	19	6.0	16.2	2.5	0.3	3.3	0.6	3.2	59	3819	876	325	0.54
MVX-12-01	633.00	634.50	1.5	1339	835	558	145	55	26	16	4.9	13.2	2.1	0.3	2.7	0.5	3.1	47	3047	703	293	0.66
MVX-12-01	634.50	636.00	1.5	1034	653	363	109	43	23	13	4.0	11.1	1.7	0.2	2.3	0.3	2.1	39	2299	471	253	0.62
MVX-12-01	636.00	637.50	1.5	1572	907	640	167	61	28	17	5.0	14.6	2.1	0.2	2.8	0.4	2.4	50	3468	807	288	0.40
MVX-12-01	637.50	639.00	1.5	1548	902	643	166	60	27	17	5.0	14.4	2.1	0.2	2.7	0.5	2.6	50	3438	808	276	0.33

APPENDIX IV – JORC COMPLIANCE TABLE

Section 1 Sampling Techniques and Data

Criteria	JORC Code Explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* • *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 (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.*	• Conventional diamond drilling was used to obtain core samples. • Sample intervals of half core from 1m to 2m in length (typically 1.5m length) were collected, as dictated by the geology and mineralisation observed in the drill core. • All mineralised units and favourable lithologies were sampled even if no mineralisation was observed. • Quarter core duplicates were collected from all drill holes, though on broad and variable spacing downhole.
Drilling techniques	• *Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).*	• Diamond drilling was completed using standard industry methods. • NQ core, approximately 47.6mm diameter. • Core orientation unknown.
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.*	• Core length recovered was measured and compared to drilled length. • Recovery was excellent and typically 100%. • There is no apparent relationship between recovery and grade and sample bias is not considered relevant due to consistent sample recovery.
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.*	• Diamond drill core was geologically logged on-site to a level of detail that would be suitable to support future mineral resource estimation. • Logging is qualitative in nature, including but not limited to lithology, alteration, texture, structure and mineralisation (type and abundance). • Photographs of drill core were routinely collected. • Core trays holding the remaining core samples is stored at the project site. • 100% of the core and the relevant intersections were logged.

Criteria	JORC Code Explanation	Commentary
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.*	• Drill core was cut at the Montviel field camp using a diamond saw and half core was selected and bagged for assay. • *La Table Jamesienne de Concertation Minière* (TJCM) in Chibougamau completed sample preparation. • At the TJCM laboratory, samples were weighed and catalogued then dried if necessary. • Each sample was then crushed to 70% through 2mm (9 mesh) then riffle split to obtain a 250 to 300g subsample. • This subsample was pulverized to 85% through 75µm (200 mesh) and homogenized by returning it on itself 40 times on a one-use paper. Pulp was then wrapped. • The sample preparation method is considered appropriate for drill core and the sample size is appropriate to the grain size of the material being sampled.
Quality of assay data and laboratory tests	• *The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.* • *For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.* • *Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.*	• Assays were completed by AGAT Laboratories located in Mississauga, Ontario and are considered to be high quality and industry best standard. • Techniques used are considered to be a near total digest, with only the most resistant minerals only partially dissolved. • Major element assays were completed using lithium borate fusion method with ICP-OES finish (method code 201076) and reported as oxides for a suite of elements including Al2O3, BaO, CaO, Cr2O3, Fe2O3, K2O, MgO, MnO, Na2O, P2O5, SiO2, TiO2, SrO and LOI. • Multi-element assays were completed using lithium borate fusion method with ICP-MS finish (method code 201078) for a suite of elements including Ag, Ce, Co, Cs, Cu, Dy, Er, Eu, Ga, Gd, Hf, Ho, La, Lu, Mo, Nb, Nd, Ni, Pb, Pr, Rb, Sm, Sn, Ta, Tb, Th, Tl, Tm, U, V, W, Y, Yb, Zn, Zr. • Selected samples were assayed for gold by fire assay on a 50g charge and AAS finish (method code 202551). • Selected samples were assayed for silver by aqua regia digest and finished with AAS (method code 201025). • Laboratory QC procedures for soil samples involve the use of internal certified reference material as assay standards, along with blanks, duplicates and replicates. • Quality control procedures were adopted including the use of standards, blanks and duplicates. • Standard results for drilling demonstrated assay values are both accurate and precise. Blank results demonstrate there is negligible cross-contamination between samples. Duplicate results suggest there is reasonable repeatability between samples. • No bias was noted in the QA/QC data.

Criteria	JORC Code Explanation	Commentary
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.*	• The assay results have not been verified by independent or alternative company personnel. This is not required at the current stage of exploration. • No dedicated twin holes have yet been drilled for comparative purposes. • Primary assay data has been entered into the Company's digital database, which is maintained by an external consultant. • There are no adjustments to the assay data.
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.*	• Drill hole collars were recorded with a handheld GPS instrument with an estimated accuracy of ±3m. • Downhole surveys were routinely measured at 3m intervals downhole using Reflex EMS tool or using a Flexit tool at 50m to 100m intervals downhole. • The grid system used for location of the hole collars and shown in all tables and figures is North American Datum 1983 (NAD 83), UTM Zone 18. • Topographic control is based on GIS and regional topographic maps. Topographic control is adequate for the current stage of exploration.
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 holes are widely spaced, as shown in the diagrams in the body of the announcement. • Current drill hold spacing and sample distribution is not considered sufficient as to make geological and grade assumptions appropriate for Mineral Resource estimation. • No sample compositing has been applied.
Orientation of data in relation to geological structure	• *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* • *If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.*	• The relationship of the orientation of the drill holes and core samples to mineralised lithologies and structures is not known. • It is not known if the orientation of the sampling achieves unbiased sampling of the mineralisation.
Sample security	• *The measures taken to ensure sample security.*	• All drill samples were initially stored at the Montviel field camp. The samples were not secured in locked facilities as this precaution was deemed unnecessary due to the remote camp location. • Samples were then trucked directly to the secure Geomega warehouse in Lebel sur Quévillon by company personnel. • Samples were then transported by TJCM to their sample preparation facility in Chibougamau. • Assay sample envelopes were boxed, sealed then shipped to AGAT Laboratories by bus to the Val d'Or bus terminal where they were received by the AGAT haulage contractor. • For each consignment, an acknowledgement was sent to the company and AGAT Laboratories.

Criteria	JORC Code Explanation	Commentary
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• No audit or review of sampling techniques and data has been completed by an external party.

Section 2 Reporting of Exploration Results

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

Criteria	JORC Code Explanation	Commentary
Mineral tenement and land tenure status	• *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.* • *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.*	• The tenements relevant to this announcement are the 43 granted mineral claims located in Québec, Canada specified in Appendix I. • The claims are held 100% by Geomega Resources Inc. • A net smelter royalty of 2% is payable to Niogold Mining Corp as shown in Appendix I. • Mt Monger Resources Ltd has executed an option agreement to acquire a 100% interest in the claims subject to cash and share based payments and exploration expenditure as specified in the announcement. • The tenements are located on Category II Lands of the Cree First Nation of Waswanipi. Mining, exploration and geoscientific works must be carried out in such a manner as to avoid unreasonable conflict with the rights of the First Nation people. • 16 claims are located wholly or in part within restricted areas associated with government hydro-electric schemes but this is not considered to be an impediment to exploration or future development. • The tenements are secure and there are no known impediments to obtaining a licence to operate in the area.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• Exploration of the project area is limited. • In the early 1990's airborne magnetic surveys identified a circular magnetic anomaly that was considered as a potential kimberlite-hosted diamond target. No drilling was completed. • Detailed geological mapping of the area was undertaken in 2005 but carbonatite was not identified, probably due to limited bedrock exposures. • Geomega Resources Inc. completed a reconnaissance exploration program for REE mineralisation comprising surface geochemical sampling (MMI) and airborne geophysics (magnetics-radiometrics) in 2011. The program culminated in the drilling of 2 diamond drill holes in 2012 to test geochemical and geophysical anomalies. Drilling confirmed the presence of a REE-Nb mineralised carbonatite.

Criteria	JORC Code Explanation	Commentary
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The Pomme project is centred on a carbonatite intrusive complex containing REE-Nb mineralisation. The carbonatite is interpreted to be Paleoproterozic in age and has intruded a metamorphosed sequence of basalts within the Abitibi Province of the Canadian Shield. • The carbonatite is characterised by a prominent, ellipsoidal, km-scale magnetic anomaly that is similar in character and magnitude to the nearby Montviel carbonatite intrusive located 7km to the south. • Two general types of REE mineralisation are recognised in the current drill holes. The first is present as interstitial, relatively coarse fluoro-carbonate mineralisation in a late ferro-carbonatite present as discordant cm-scale dikes. The second type of mineralisation occurs as pervasive phosphate mineralisation (alteration-replacement) within later silico-carbonatite dikes or as injections along foliation in all type of carbonatites.
Drill hole Information	• *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes, including 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 plus 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.*	• All information material to the understanding of the exploration results has been tabulated in the body of the announcement and/or the appendices.
Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.* • *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.* • *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	• Length-weighted average grades are reported. • No maximum grade truncations have been applied. • Significant intersections are reported based on various total rare earth oxide (TREO) cut-off grade, with allowance for internal dilution by a maximum of one consecutive sub-grade sample. • Where appropriate, higher-grade intersections are reported based on a stated TREO cut-off with no internal dilution. • No metal equivalent values have been reported. • Multi-element results (REE) are converted to stoichiometric oxide (REO) using element-to-stoichiometric oxide conversion factors. • These stoichiometric conversion factors are stated in the table below and can be referenced in appropriate publicly available technical data. • Rare earth oxide is the industry accepted form for reporting rare earths. The following calculations are used for compiling REO into their reporting and evaluation groups:

<table>
<tr><th>Criteria</th><th>JORC Code Explanation</th><th>Commentary</th></tr>
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Total rare earth oxide (TREO) values were derived by the simple addition of grades for lanthanum (La_2O_3), cerium (CeO_2), praseodymium (Pr_6O_{11}), neodymium (Nd_2O_3), samarium (Sm_2O_3), europium (Eu_2O_3), gadolinium (Gd_2O_3), terbium (Tb_4O_7), dysprosium (Dy_2O_3), holmium (Ho_2O_3), erbium (Er_2O_3), thulium (Tm_2O_3), ytterbium (Yb_2O_3), lutetium (Lu_2O_3) and yttrium (Y_2O_3).
Heavy Rare Earth Oxide (HREO) grade includes 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 and Y_2O_3. Reported as percentage of TREO.
Magnet Rare Earth Oxide (MREO) grade includes Nd_2O_3, Pr_6O_{11}, Sm_2O_3, Gd_2O_3, Tb_4O_7, Dy_2O_3, and Ho_2O_3. Shown as percentage of TREO.
Critical Rare Earth Oxide (CREO) grade includes Nd_2O_3, Eu_2O_3, Tb_4O_7, Dy_2O_3 and Y_2O_3. Shown as percentage of TREO.
Nd+Pr REO (NdPr) grade includes Nd_2O_3 and Pr_6O_{11}.

<table>
<tr><th>Element</th><th>Conversion Factor</th><th>Oxide Form</th></tr>
<tr><td>Ce</td><td>1.2284</td><td>CeO_2</td></tr>
<tr><td>Dy</td><td>1.1477</td><td>Dy_2O_3</td></tr>
<tr><td>Er</td><td>1.1435</td><td>Er_2O_3</td></tr>
<tr><td>Eu</td><td>1.1579</td><td>Eu_2O_3</td></tr>
<tr><td>Gd</td><td>1.1526</td><td>Gd_2O_3</td></tr>
<tr><td>Ho</td><td>1.1455</td><td>Ho_2O_3</td></tr>
<tr><td>La</td><td>1.1728</td><td>La_2O_3</td></tr>
<tr><td>Lu</td><td>1.1372</td><td>Lu_2O_3</td></tr>
<tr><td>Nd</td><td>1.1664</td><td>Nd_2O_3</td></tr>
<tr><td>Pr</td><td>1.2082</td><td>Pr_6O_{11}</td></tr>
<tr><td>Sc</td><td>1.5338</td><td>Sc_2O_3</td></tr>
<tr><td>Sm</td><td>1.1596</td><td>Sm_2O_3</td></tr>
<tr><td>Tb</td><td>1.1762</td><td>Tb_4O_7</td></tr>
<tr><td>Tm</td><td>1.1421</td><td>Tm_2O_3</td></tr>
<tr><td>Y</td><td>1.2699</td><td>Y_2O_3</td></tr>
<tr><td>Yb</td><td>1.1387</td><td>Yb_2O_3</td></tr>
</table>
</td></tr>
<tr><td>Relationship between mineralisation widths and intercept lengths</td><td>

These relationships are particularly important in the reporting of Exploration Results.
If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.

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The relationship between the mineralisation widths and intercept lengths is not known.
The geometry of mineralisation is not known.
Intersections are reported as downhole lengths, true widths are not known.

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</table>

Criteria	JORC Code Explanation	Commentary
	• *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').*	
Diagrams	• *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	• Appropriate maps and diagrams are provided in the body of the announcement.
Balanced reporting	• *Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.*	• Comprehensive reporting of results is provided in the appendices of the announcement.
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.*	• Material geological and geophysical observations are detailed in the body of the announcement.
Further work	• *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• Further work may include additional geological, geochemical, and geophysical surveys to evaluate the project. • Further diamond drilling will be undertaken to test the extent, grade and geometry of REE-Nb mineralisation.