28 APRIL 2026

ASX ANNOUNCEMENT

Oceana acquires global-scale rare earths project in Brazil

The Serra Negra carbonatite complex is one of the largest in the world; Assays commissioned by Oceana confirm the presence of high-grade rare earths and niobium mineralisation

HIGHLIGHTS

- **Oceana has entered into a binding agreement with private vendors to acquire 100% of the Serra Negra rare earths (and niobium) Project in Minas Gerais state, Brazil ("Acquisition")**
- **Serra Negra, a 10km-wide carbonatite complex, is the largest known alkaline carbonatite intrusion in the Alto Paranaíba Igneous Province ("APIP") in Minas Gerais State**
- **Oceana will pay total upfront and deferred consideration of up to US$10.3m in cash and shares, plus a trailing 2.5% net smelter royalty, for 100% ownership of the Project, as follows:**
    - **Upfront US$2.95m cash and 20.0m Oceana shares (approximately US$5.0m); and**
    - **Deferred considerations comprise Milestone Payments of up to US$2.25m: first, US$750k upon reporting an initial JORC mineral resource at the Project, and second, US$1.5m on announcing a 100Mt @ 4% TREO (or equivalent) mineral resource reported in accordance with JORC**
- **Completion of the Acquisition remains subject to certain conditions precedent**
- **Firm commitments received for a $20m share placement strongly anchored by domestic and international institutional, professional and sophisticated investors, to fund Serra Negra's acquisition and an accelerated exploration program**
- **Oceana continues to be supported by the commercial and technical network associated with Steve Parsons and Michael Naylor, who are corporate consultants to Oceana and substantial shareholders**

<u>Serra Negra Project</u>

- **The 10km-wide Serra Negra carbonatite complex covers an area three times larger than the nearby Araxá complex, which hosts significant rare earth elements ("REE") and the world's largest niobium deposit**
- **The Project has previously been explored for phosphate and titanium, with 102 holes drilled for a total of 13,800m; however, the drill core was not originally assayed to target REE and niobium**
- **Oceana completed downhole portable XRF ("pXRF") screening of a small portion of available historical drill core; pXRF indicated the presence of thick intervals of REE readings:**
    - **from 101.9m to 177.3m in LG26; and**
    - **from 66m to 166.3m (EOH) in LG42**
- **Laboratory check assays of remaining core material in trays, collected as grab samples from these intervals, returned the following significant results at these points:**
    - **LG26:**
        - **7.82% TREO incl. 1.34% MREO at 103m;**
        - **8.00% TREO incl. 1.46% MREO at 109m;**
        - **7.18% TREO incl. 1.15% MREO at 120m; and**
        - **8.41% TREO incl. 1.23% MREO at 138m**

For personal use only

- **LG42:**
  - **6.06% TREO incl. 1.20% MREO at 88m; and**
  - **5.49% TREO incl. 0.91% MREO at 93m**

- **Oceana plans to re-assay the ~8,000m of available historic core, on 1m intervals, for REE and niobium immediately upon completion of the Acquisition; in conjunction, Oceana intends to undertake an accelerated 20,000m drill program at Serra Negra**

District hosting Serra Negra

- **The APIP hosts a number of world-class alkaline carbonatite complex deposits including CBMM's Araxá niobium mine – the world's largest niobium deposit, and St George Mining's Araxá Project - a REE and niobium development project, both hosted in the Araxá Carbonatite Complex**
- **Minas Gerais State in Brazil is a tier-one mining jurisdiction with established infrastructure, a stable regulatory framework and State-based incentives for incumbent and new entrants to the local critical and strategic minerals industry**

Placement

- **As part of the Acquisition, Oceana has received firm commitments for a A$20.0m share placement anchored by domestic and international institutional, professional and sophisticated investors at a price of A$0.36 per New Share**
- **Tranche 1 of the Placement will raise approximately A$7.4m (before costs), with approximately A$12.6m (before costs) including Director participation of up to A$550,000 to be raised under Tranche 2, subject to shareholder approval to be sought at an upcoming general meeting expected to be held in early July**
- **Placement proceeds will be used for upfront cash consideration for the Acquisition; re-assay of drill core for REE and niobium; initial geophysics; up to 20,000m of resource and exploration drilling; exploration on existing projects, working capital and costs associated with the Placement**
- **Oceana will have a strong pro forma cash position of approximately A$17.6m following completion of the Acquisition and Placement**
- **Canaccord Genuity (Australia) Limited acted as Lead Manager and Bookrunner to the Placement. Euroz Hartleys Limited acted as Co-Manager to the Placement**

Board and Officer Changes

- **Experienced REE geologist and mining executive Hamish Halliday has joined the Board as a Non-Executive Director, Russell Curtin has been appointed as Non-Executive Chair and Directors Martin Helean and Sam Brooks have resigned, effective immediately**
- **Brazilian corporate lawyer and mining executive Rodrigo Roso will also join the Board as a non-executive director on completion of the Acquisition**
- **Alexandra Hughes has joined Maddison Cramer as Joint Company Secretary, effective immediately.**

Oceana Managing Director, Mick Wilson said: *"This is an outstanding opportunity to acquire a global-scale rare earths (and niobium) project in a tier-one location. The Serra Negra Project will transform Oceana and give our shareholders exposure to a critical minerals project with huge scope for growth. By obtaining this compelling rare earth and niobium opportunity, we are positioning Oceana and its shareholders to benefit from global trends in security of mineral supply, electrification and an energy transition.*

For personal use only

"Our recent due diligence and site visit confirmed a large quantity of historic core remains available for re-assay (~8,000m) and our technical team has already made preparations to do this. At the same time, we are planning surveys of modern geophysics, and plan to commence an accelerated 20,000m drill program, in what will be the first drilling program at Serra Negra in well over a decade.

"Located in a tier-one jurisdiction with established infrastructure and a history of hosting world-class operations such as CBMM's Araxá niobium operation and emerging projects such as St George Mining's REE-niobium project, Serra Negra provides Oceana Metals with a unique opportunity to participate in Brazil's critical minerals industry.

"The A$20m placement was firmly anchored by institutional, professional and sophisticated investors, with Canaccord Genuity as Lead Manager, and Euroz Hartleys as Co-Manager. This funding allows us to hit the ground running, build a strong team, and accelerate our drilling activities in Brazil.

"I would also like to take the opportunity to welcome the new and proposed members of our Board of Directors Hamish Halliday and Rodrigo Roso, who both possess the skills and experience that align well with the direction of Oceana Metals and the Serra Negra Project. On behalf of the Board, I would also like to thank the directors stepping down, Martin Helean and Sam Brooks, for their valuable contributions".

Oceana Metals Limited (**ASX:OCN**) is pleased to announce it has entered into a binding share purchase agreement ("**SPA**") with private vendors to acquire a 100% interest in Songeo Mineração S.A., which owns the Serra Negra REE and Niobium Project ("**Project**"), located in the tier-one mining jurisdiction of Minas Gerais, Brazil.

Under the terms of the SPA, Oceana will acquire the Project through the purchase of the company holding the Serra Negra permits, providing the Company with full ownership and control as it advances the project through resource definition and development studies.

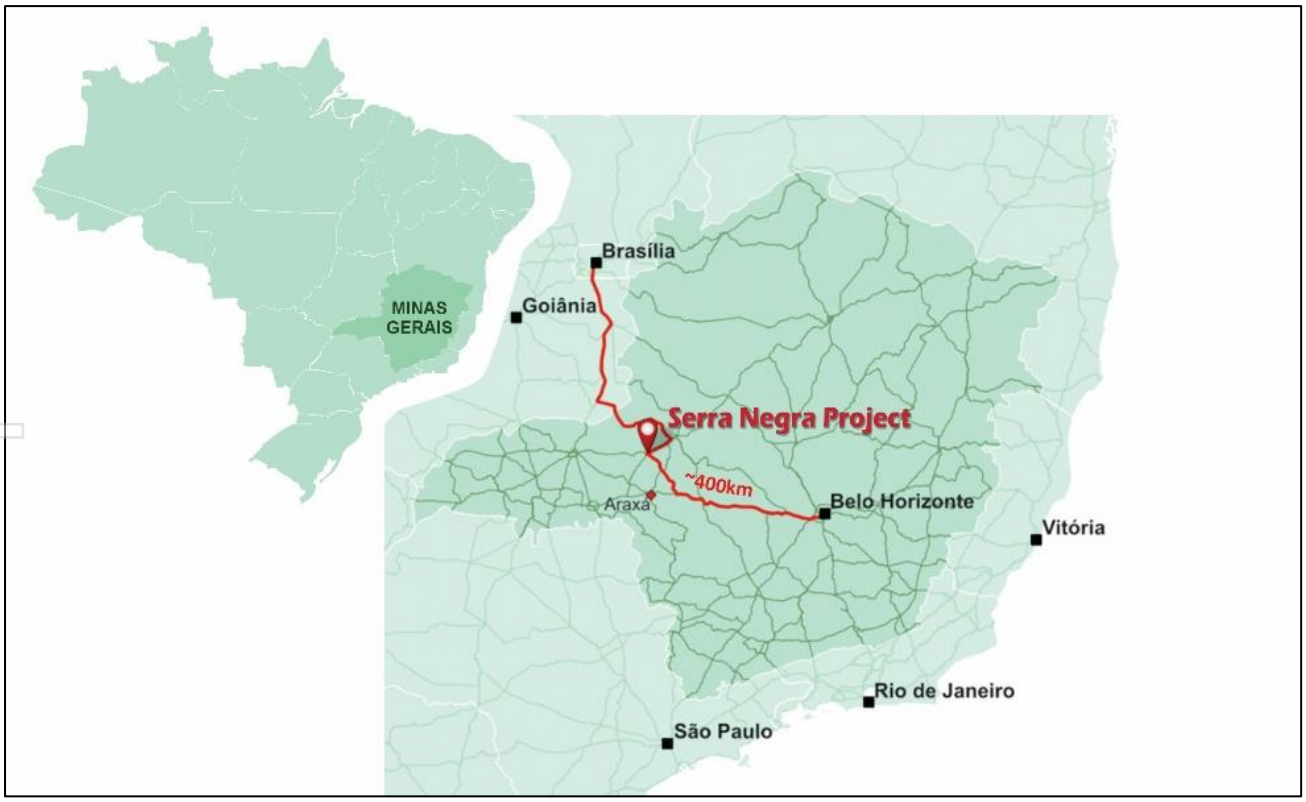

Figure 1: Serra Negra Location Map – Minas Gerais State in SE Brazil.

For personal use only

For personal use only

One of the Largest Carbonatite Complexes in Brazil

The Serra Negra Project comprises a large carbonatite intrusive complex approximately 10km in diameter. It is the largest known carbonatite complex in the Alto Paranaíba Igneous Province ("**APIP**") Serra Negra is also the least explored complex within this province, having been in private hands for several decades. The APIP is recognised for hosting major carbonatite-related REE and niobium deposits.

The regional endowment is demonstrated by the following nearby operations and development projects:

- CBMM's Araxá Operations: the world's largest niobium deposit, supplies approximately 80% of the world's niobium, with more than 70 years of production history.
- St George Mining's Araxá Project: a REE–niobium development project adjacent to CBMM, highlighting the district's critical minerals potential.
- Salitre, Tapira and Araxá: large hard-rock phosphate deposits owned, or previously owned by Mosaic, one of the world's largest fertiliser producers.

Carbonatite-hosted REE and niobium systems are widely recognised for their scale potential and ability to underpin long-life mining operations. Serra Negra shares key geological characteristics with these established Brazilian analogues and is located within 20km of the regional centre of Patrocínio, providing excellent access to road, rail, power, water, skilled workforce and established services.

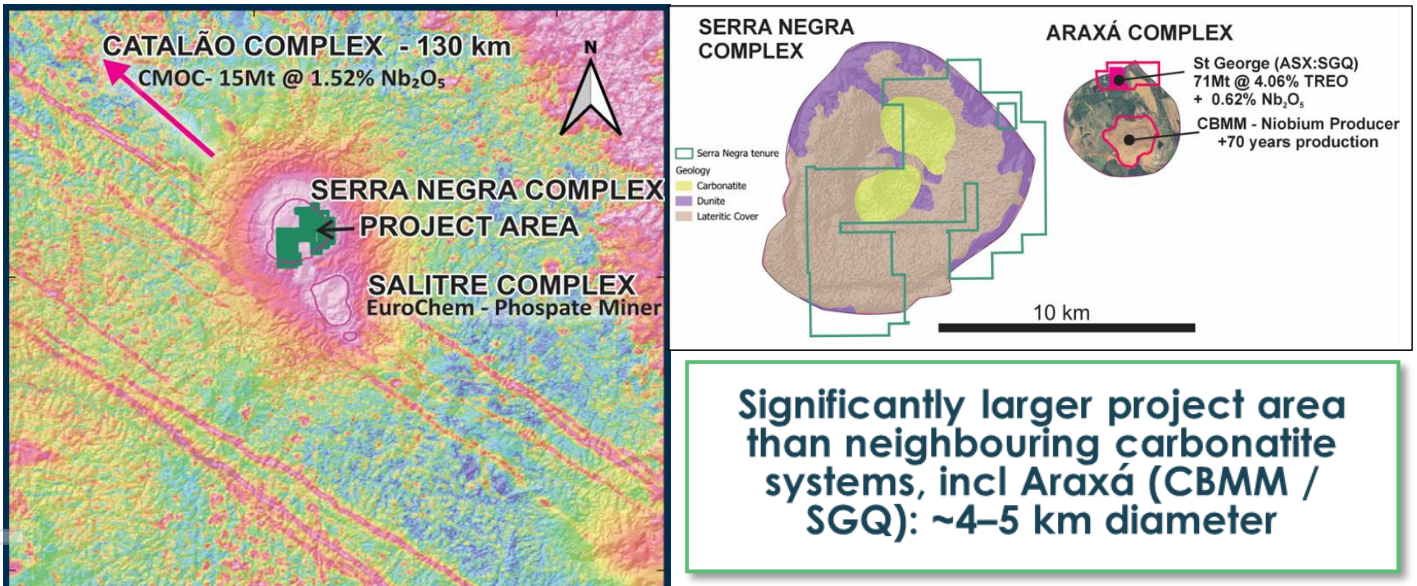

Figure 2: Regional view (airborne magnetics) showing the Serra Negra Project scale relative to other alkaline–carbonatite complexes within the APIP, as highly magnetic, circular features. The inset "to scale" comparison which illustrates the relative physical scale of the Serra Negra carbonatite complex compared to the Araxá complex.

Geological Setting and REE Mineralisation

REE mineralisation at Serra Negra is interpreted to be lithologically controlled and closely associated with specific alkaline–carbonatite units within the broader intrusive complex.

As part of the technical due diligence, Oceana undertook portable XRF ("**pXRF**") screening of historical drill core and integrated the results with the historical lithological logging. This work identified laterally continuous carbonatite intervals exhibiting coherent REE anomalism, defining a Central REE Prospect and additional prospects hosted within favourable lithological units across the district footprint. The Central Prospect, where REE mineralisation has been confirmed by pXRF screening and independent laboratory assays (ICP) from downhole samples collected from historical drill holes, is considered a high-confidence target.

Emerging and conceptual target areas, whilst hosting favourable geology, are yet to be analysed for REE or Niobium and accordingly carry a lower confidence initial ranking.

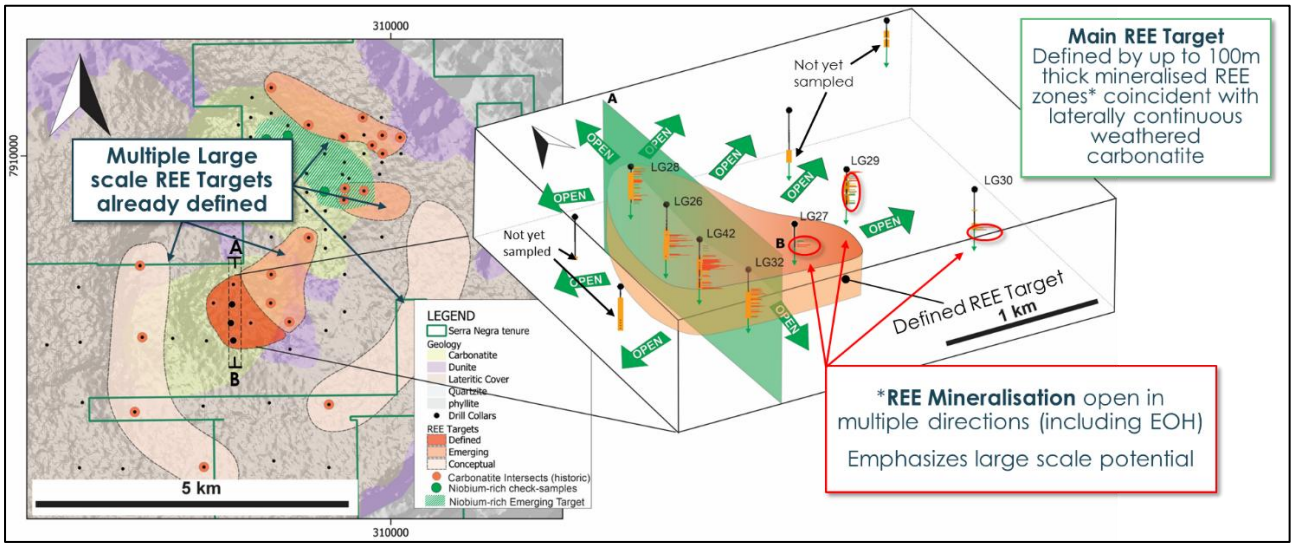

Figure 3: District-scale REE target footprint showing main and conceptual REE targets. Carbonatite intervals are derived from historical lithological logs. The 3D call-out provides a view of the Central REE Target drawn from historical drill hole distribution. Histograms indicate downhole pXRF readings (CeO_2 + La_2O_3 + Nd_2O_3 + Pr_6O_{11}), displayed on a logarithmic scale, for historical drill holes analysed during due diligence. Holes without downhole histograms are yet to be sampled. The defined target is based on historically logged carbonatite intersections analysed by OCN for REE, whereas emerging and conceptual target areas have not yet been analysed for REE and carry a lower level of confidence.

Confirmation High-Grade REE is Present

Historically, 13,800m (102 holes) have been drilled across the Project at broad spacing (100m apart to >1km apart), and phosphate, titanium and aluminium were the primary commodities targeted in these programs. Approximately 8,000m of historical core remains available for re-assay.

Independent re-sampling by Oceana, undertaken as part of due diligence, has validated wide REE and niobium mineralised intervals within the Serra Negra Project area. Laboratory assays from grab samples* collected from drill core confirm the presence of high-grade REE mineralisation across multiple drill holes, with average and peak Total Rare Earth Oxide ("**TREO**") grades appearing consistent with top tier global carbonatite-hosted REE deposits.

**Note: Grab samples are a result of hand collection of weathered rock material remaining in the historic core trays, thus potentially selective in nature and are therefore not being presented here as representative of continuous mineralised intervals.*

For personal use only

Independent laboratory assays were conducted by ALS utilising four-acid digestion ICP-AES, with REE over-limit samples analysed by ICP-MS. Oceana also completed pXRF screening on a number of drill holes where weathered carbonatite was logged in the original data, and core was easily accessible in the storage shed. The pXRF readings were taken at 20–30 cm intervals to assess downhole geochemical continuity, 20cm in zones of strong REE and niobium response, 30cm in low response zones. Refer to Appendices A, B and C for all laboratory and pXRF results.

Elevated downhole pXRF responses for combined REE oxides are broadly consistent with the laboratory check assays obtained from re-sampled intervals, supporting the current geological and geochemical interpretation.

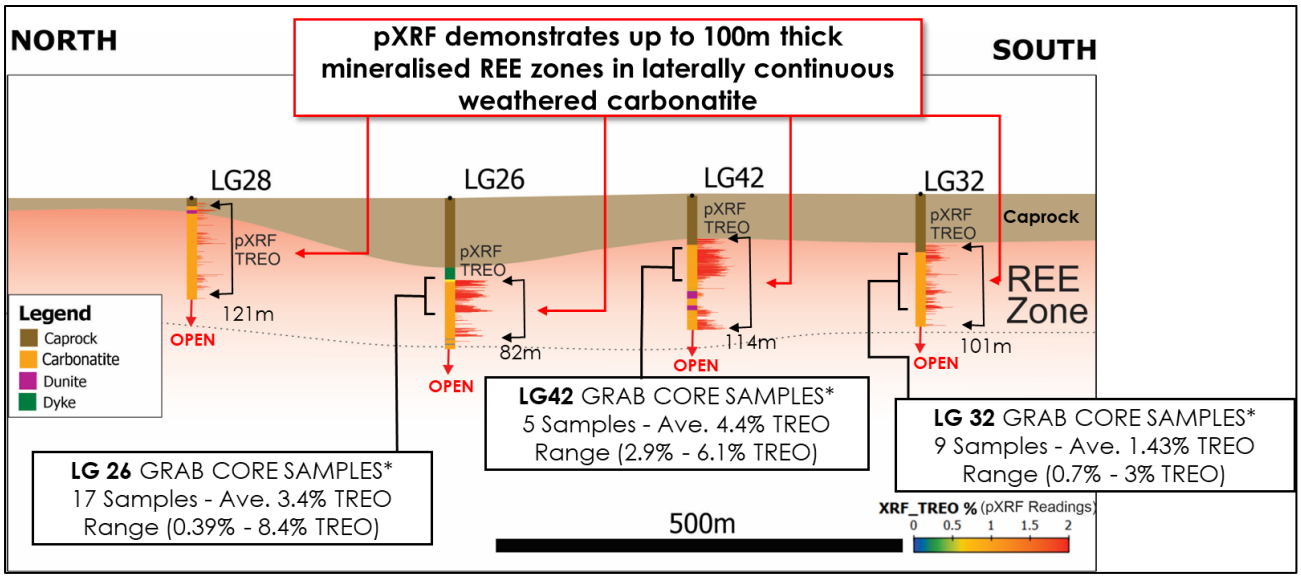

Figure 4: N–S cross-section showing selected historical drill holes sampled as part of due diligence. Histograms represent detectable downhole portable XRF (pXRF) responses for combined REE oxides (CeO_2 + La_2O_3 + Nd_2O_3 + Pr_6O_{11}), displayed on a logarithmic scale. Locations and average laboratory assay results for downhole grab samples taken from historical drill core during due diligence are also displayed.

Proposed exploration program

Oceana plans a staged exploration program to systematically de-risk the project and advance Serra Negra toward REE resource estimation.

The near-term focus involves comprehensive re-logging, re-sampling and assaying of historical drill core to validate legacy data, standardise datasets and establish high-confidence geological and geochemical controls. This work will underpin targeted drilling aimed at defining the scale and continuity of the Central REE Target, while testing extensions and priority exploration targets for REE and niobium, across the broader district.

District-scale geophysical surveys are planned to refine and define the intrusive architecture, identify potential structural overprint controls on REE mineralisation and generate additional targets for drilling. In parallel, early-stage metallurgical test work is proposed to assess potential processing pathways to progressively de-risk downstream development options.

Subject to exploration success and data density, integrated geological, geochemical and geophysical datasets are expected to support mineral resource upgrades and further REE and niobium discoveries.

For personal use only

Serra Negra Project Outlook

Serra Negra represents a global scale, under-explored carbonatite-hosted REE system located in a Tier 1 province in Brazil; Minas Gerais State has established infrastructure and supportive jurisdictional settings.

The Company's disciplined, drilling-focused exploration strategy is designed to establish and build REE resources, make new district scale discoveries, and deliver a steady flow of technical milestones as the project advances.

Acquisition Terms

In accordance with the terms of the SPA summarised below, Oceana has agreed to acquire 100% of the shares in Songeo Mineração S.A. ("**Songeo**"), the holder of the Serra Negra Project.

Consideration

The total purchase price is up to US$10.3 million, comprising:

(a) approximately US$7.95 million on completion, consisting of:

  (i) US$2.95 million in cash; and

  (ii) 20,000,000 fully paid ordinary shares in Oceana ("**Shares**"), being approximately US$5.0 million in Shares at a deemed issue price of A$0.36 per Share ("**Consideration Shares**") at an exchange rate of US$0.695;

(b) up to US$2.25 million, subject to the satisfaction of certain project related milestones:

  (i) US$750,000 payable upon Oceana announcing an initial mineral resource estimate in accordance with the JORC Code in relation to the Serra Negra Project; and

  (ii) US$1.5 million payable upon Oceana announcing a mineral resource estimate in accordance with the JORC Code of at least 100Mt at 4% TREO or equivalent (equivalent for these purposes means a mineral resource with 4Mt contained TREO and/or additional co-products or by-products that are economically extractable with the REE),

  (together, the "**Milestone Payments**").

The Consideration Shares will be issued using the Company's available placement capacity under Listing Rule 7.1. Consideration Shares will be subject to voluntary escrow for a period of 2 years from the date of issue, following which the Consideration Shares will be released in equal tranches of 25% every 6 months over the subsequent 18-month period.

The Vendors (defined below) will also be granted a 2.5% net smelter royalty on all mineral production from the Serra Negra Project, excluding iron ore. Oceana retains a first right of refusal to purchase all or part of the royalty if a third-party offer is presented to the Vendors.

For personal use only

Exploration permits

The exploration permits held by Songeo are detailed in the table below.

Exploration permits	Title holder	Area(ha)	Municipality/State
831.298/1984	Songeo Mineração S.A.	725.63	PATROCÍNIO/MG
831.796/1984	Songeo Mineração S.A.	777	PATROCÍNIO/MG
830.280/1985	Songeo Mineração S.A.	1533.92	GUIMARÂNIA/MG; PATROCÍNIO/MG
830.077/1988	Songeo Mineração S.A.	868.69	PATROCÍNIO/MG
832.785/2007	Songeo Mineração S.A.	905.12	PATROCÍNIO/MG
831.299/1984*	Songeo Mineração S.A.	1,000	GUIMARÂNEA/MG; PATROCÍNIO/MG

** 831.299/1984 is presently under forfeiture proceedings however, the Permit is also the subject of an application for extension. This extension is to allow filing of an Application for a Mining Concession. The permit is peripheral in its location and as such has been assigned a $0 dollar value in the Acquisition. Oceana is prioritising engagement on this administrative matter. Unless the extension application is successful, the permit will be forfeited and will not form part of the Serra Negra Project.*

Conditions Precedent

Completion of the Acquisition remains subject to the satisfaction or waiver of certain conditions precedent, the material of which include:

(a) Oceana completing any further due diligence on Songeo, the Vendors and the Project to its satisfaction;

(b) Oceana obtaining any required regulatory and shareholder approvals;

(c) the representations and warranties of each party remaining true and correct in all material respects at completion, and fulfilment of all pre-completion obligations; and

(d) the exploration permits comprising the Serra Negra Project remaining in full force and effect (excluding 831.299/1984 which is the subject of a forfeiture and extension application detailed above), including:

  (i) maintenance of good standing of Mining Rights Nos. 831,796/1984, 830,077/1988 and 832,785/2007;

  (ii) a formal response from the ANM in respect of Mining Right No. 830,280/1985 that does not jeopardise the existence, validity or regular continuation of that right; and

  (iii) a formal response from the ANM in respect of Mining Right No. 831,298/1984 that does not jeopardise the existence, validity or regular continuation of that right,

(together, the "**Conditions Precedent**").

Any party may elect to terminate the SPA if the Conditions Precedent have not been satisfied or waived within 180 days of signing.

The SPA otherwise contains terms and conditions considered standard for agreements of this nature.

For personal use only

Other

The Vendors will retain exclusive rights to commercialise any iron ore extracted or to be extracted from the Serra Negra Project area, whether as a product or by-product. Oceana may not give any commercial destination to iron ore without the prior express consent of the Vendors. If iron ore is generated from the production process, the Vendors will have the right to acquire such iron ore at Oceana's cost price.

If Oceana formally relinquishes the mining rights or remains voluntarily inactive in relation to them for a period exceeding 3 years in a way that increases the risk of loss, expiration or forfeiture, the Vendors or their affiliates may have an opportunity to reacquire the relevant mining rights at no cost to the Vendors.

The shareholders of Songeo are Gabriela Tornelli Sabino, Guilherme Tornelli Sabino, Emir Pettersen Sabino, Fernando Arbex Sabino, Jair Carvalho da Silva Junior, JBS – Administração Assessoria e Empreendimentos S.A., Laura de Faria Sabino Zelmanovits, Leonardo de Faria Sabino, Leonora Rego de Castro, Lincoln Pettersen Sabino Filho, Marcos Rego de Castro, Songeo Sondagens e Geologia Ltda., Tânia Salvador Sabino and TSS Administração e Participações Ltda. (together, the "Vendors"). None of the Vendors are a related party or substantial shareholder of Oceana.

Songeo will not hold any material assets on completion other than those comprising the Serra Negra Project.

In consideration for facilitation services provided in connection with the Acquisition, the Company has agreed, subject to and conditional upon completion of the Acquisition, to grant a 1% net smelter royalty on production from the Serra Negra Project, excluding iron ore, to Karri Capital Pty Ltd (who is an unrelated party to the Company).

Placement

Oceana has received firm commitments to raise A$20 million (before costs) via a two-tranche placement ("**Placement**"). Under the Placement, the Company expects to issue a total of up to 55,555,556 new fully paid ordinary shares ("**New Shares**") at A$0.36 per New Share to high-quality existing and new institutional and sophisticated investors.

The Placement comprises:

- Tranche 1 to raise approximately A$7.4 million (before costs) via the issue of 20,450,591 New Shares, utilising the Company's available placement capacity pursuant to ASX Listing Rules 7.1 (3,670,355 New Shares) and 7.1A (16,780,236 New Shares) ("**Tranche 1**"); and

- Tranche 2 to raise approximately A$12.6 million (before costs) via the issue of 35,104,965 New Shares, subject to shareholder approval which is to be sought at an extraordinary general meeting ("**EGM**") expected to be held in or around early July 2026 ("**Tranche 2**"). Directors of the Company will participate for up to a total of A$550,000 (subject to shareholder approvals), which will settle in Tranche 2.

The offer price of A$0.36 per New Share represents

- a discount of 17.2% to Oceana's last closing price of A$0.435 on 12 February 2026;
- a discount of 0.2% to Oceana's 5-day volume weighted average price ("VWAP") of Shares (A$0.3608); and
- a premium of 10.4% to Oceana's 15-day VWAP of Shares (A$0.3261).

Proceeds from the Placement will be applied towards:

- upfront cash consideration for the Acquisition and subject to completion of the Acquisition, re-assay of Serra Negra Project drill core for REE and niobium, an initial geophysics program and up to 20,000m of resource and exploration drilling;

For personal use only

- advancing ongoing exploration activities at the Company's existing Solonópole lithium project in the state of Ceara, Brazil; Napperby Project in the Northern Territory, Australia; and Bangemall Project in Western Australia;
- costs associated with the Acquisition and the Placement; and
- corporate costs and general working capital.

The Placement is not conditional on the Acquisition completing. Accordingly, if the Acquisition does not complete, the Company will use all funds raised from the Placement towards exploration activities at its existing projects and future value-accretive acquisition opportunities.

The Placement is not underwritten, and Tranche 2 (including the Director participation) is subject to shareholder approvals at the EGM.

Oceana is expected to resume trading on the ASX from market open today, Tuesday, 28 April 2026. The New Shares under Tranche 1 are expected to settle on Monday, 4 May 2026 and be issued on Tuesday, 5 May 2026. New Shares issued under the Placement will rank equally with the Company's existing fully paid ordinary shares on issue.

Details of the time and venue for the EGM will be provided in a notice of meeting to be despatched to shareholders in due course.

Canaccord Genuity (Australia) Limited acted as Lead Manager and Bookrunner to the Placement. Euroz Hartleys Limited acted as Co-Manager to the Placement. Hamilton Locke is acting as Oceana's Australian legal counsel on the Acquisition and Placement, with Veirano Advogados acting as Brazilian legal counsel on the Acquisition.

Indicative Timetable

An indicative timetable of key dates is detailed below:

Event	Date
Announcement of the Acquisition and Placement Trading suspension lifted	Tuesday, 28 April 2026
Settlement of New Shares under Tranche 1	Monday, 4 May 2026
Issue and application for quotation of New Shares under Tranche 1	Tuesday, 5 May 2026
Notice of EGM dispatched to shareholders	Late May 2026
EGM to approve the issue of New Shares under Tranche 2	Early July 2026
Settlement of New Shares under Tranche 2 (subject to shareholder approvals)	Early July 2026
Issue and application for quotation of New Shares under Tranche 2	Early July 2026

The dates in this announcement are indicative only and the Company reserves the right to vary the timetable at any time before the issue of the relevant securities without notice, subject to the ASX Listing Rules and the Corporations Act and other applicable laws. The commencement of trading and quotation of New Shares is subject to ASX confirmation. The Company gives no assurance that such quotation will be granted. Nothing contained in this announcement constitutes investment, legal, tax or other advice. Investors should seek appropriate professional advice before making any investment decision. All amounts are in Australian dollars unless otherwise indicated.

For personal use only

Effect on Capital Structure

The effect of the Acquisition and Placement on Oceana's issued capital is set out below:

Capital Structure	Shares	%	Options	Performance Rights
Existing securities	167,802,367	68.4	22,250,000	3,920,000
Tranche 1 Placement Shares	20,450,591	8.3	-	-
Tranche 2 Placement Shares[1]	35,104,965	14.3	-	-
Consideration Shares	20,000,000	8.2	-	-
Director Performance Rights[2]	-	-	-	9,000,000
Broker Shares[3]	1,944,444	0.8	-	-
Total	**245,302,367**	**100**	**22,250,000**	**12,920,000**

Notes:

1. The Tranche 2 Placement Shares are subject to shareholder approval at the upcoming EGM.
2. 1,500,000 Performance Rights to be issued to Director Hamish Halliday as a sign-on incentive under the Company's Listing Rule 7.1 placement capacity; see further details below. Up to a total of 7,500,000 Performance Rights to be issued to related parties Russell Curtin, Michael Wilson, Sam Brooks and Rodrigo Roso under the Company's Employee Securities Incentive Plan ("Plan"), subject to shareholder approval at the upcoming EGM. Further details of the Performance Rights will be set out in the Notice of Meeting to be circulated to shareholders in due course.
3. Shares to be issued to Canaccord Genuity (Australia) Pty Ltd (or its nominee/s) at a deemed issue price of A$0.36 each in consideration of broker services with respect to the Placement, subject to shareholder approval at the upcoming EGM. In accordance with the terms of the Lead Manager mandate, Canaccord has elected for a portion of its fees to be settled via the issue of shares.

Board and Officer changes

To best align the Oceana Board's skills following the acquisition of the Serra Negra Project, the following Board changes have and will occur in parallel with the Acquisition and Placement.

Mr Hamish Halliday has joined the Board as a non-executive director, effective today. Mr Halliday is a geologist with 30 years of corporate and technical experience, having been involved in the discovery and funding of multiple, large scale, mineral projects across five continents, including a large-scale REE project in Western Australia. Mr Halliday has founded or co-founded a number of successful junior mining companies and has held numerous executive and non-executive roles in the mining industry since 2001.

The Company has agreed to issue 1,500,000 Performance Rights expiring 1 April 2031 to Mr Halliday utilising the Company's placement capacity under Listing Rule 7.1. The Performance Rights vest in three equal tranches subject to Mr Halliday remaining engaged by the Company up to and including 1 April 2029 and satisfaction of the following milestones: (a) the Company's Shares achieving a 20-Day VWAP of A$0.80 or greater; (b) the Company's Shares achieving a 20-Day VWAP of A$1.20 or greater; and (c) the Company announcing a Mineral Resource in accordance with the JORC Code of at least 50Mt at no less than 3% TREO equivalent.

Mr Rodrigo Roso will also join the Board of Directors as a non-executive director, subject to and upon completion of the Acquisition. Mr Roso is a highly experienced Brazilian corporate lawyer and mining executive with over 20 years of experience, specialising in project development, M&A, and corporate finance, particularly within the mining and energy sectors. He has played a key role in over $35 billion in CAPEX, contributing to the growth and success of major mining enterprises. His strategic insight and deep Brazilian mining industry knowledge will benefit Oceana as it progresses the Serra Negra Project.

Mr Martin Helean and Mr Sam Brooks have resigned as non-executive directors to make way for the new appointees, effective immediately. Existing Non-Executive Director Mr Russell Curtin has been appointed as Chair of the Board, replacing Mr Martin Helean.

For personal use only

Ms Alexandra Hughes has joined Ms Maddison Cramer as Joint Company Secretary of Oceana, effective immediately. Ms Hughes is a former corporate and commercial lawyer who has advised numerous entities, including ASX-listed and private companies on capital raisings, equity capital markets, mergers and acquisitions, corporate governance, and Corporations Act and ASX Listing Rules compliance. She is currently a corporate advisor at boutique corporate services business Belltree Corporate. Prior to joining Belltree Corporate, Alex worked in the corporate and commercial teams at Bennett Litigation and Commercial Law and Clayton Utz.

Going forward, Alexandra will be jointly responsible for communication with the ASX in relation to listing rule matters, pursuant to ASX Listing Rule 12.6.

The Board would like to extend its thanks to Mr Martin Helean and Mr Sam Brooks for their service and support, and to welcome Mr Halliday, Mr Roso and Ms Hughes to the Company.

Authorised for release by the Board of Oceana Metals Ltd.

For further information please contact:

Mick Wilson
Managing Director
Oceana Metals Ltd
T: +61 8 6370 3139
E: info@oceanametals.com
W: www.oceanametals.com

Paul Armstrong
Investor Relations
Read Corporate
T: +61 8 9388 1474

For personal use only

Competent Person Statement

The information in this announcement that relates to Exploration Results at the Serra Negra Project to be acquired pursuant to the Acquisition is based on, and fairly represents, information and supporting documentation prepared by Mr Michael Wilson, Managing Director of Oceana, who is a Member of the Australian Institute of Mining and Metallurgy. Mr Wilson has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' ("JORC Code"). Mr Wilson consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

Forward Looking Statements

This announcement may contain certain forward-looking statements and projections, including statements regarding Oceana's plans, forecasts and projections with respect to its mineral properties and exploration programs. Although the forward-looking statements contained in this release reflect management's current beliefs based upon information currently available to management and based upon what management believes to be reasonable assumptions, such forward looking statements/projections are estimates for discussion purposes only and should not be relied upon. They are not guarantees of future performance and involve known and unknown risks, uncertainties and other factors many of which are beyond the control of the Company.

The forward-looking statements/projections are inherently uncertain and may therefore differ materially from results ultimately achieved. For example, there can be no assurance that Oceana will be able to confirm the presence of Mineral Resources or Ore Reserves, that Oceana's plans for development of its mineral properties will proceed, that any mineralisation will prove to be economic, or that a mine will be successfully developed on any of Oceana's mineral properties. The performance of Oceana may be influenced by a number of factors which are outside the control of the Company, its directors, staff or contractors.

The Company does not make any representations and provides no warranties concerning the accuracy of the projections, and disclaims any obligation to update or revise any forward-looking statements/projections based on new information, future events or otherwise except to the extent required by applicable laws.

Disclaimers

This announcement has been prepared for publication in Australia and may not be released to US wire services or distributed in the United States. This announcement does not constitute an offer to sell, or a solicitation of an offer to buy, securities in the United States or any other jurisdiction. Any securities described in this announcement have not been, and will not be, registered under the US Securities Act of 1933 and may not be offered or sold in the United States except in transactions exempt from, or not subject to, the registration requirements of the US Securities Act and applicable US state securities laws.

For personal use only

Appendix A – Laboratory Assay Results

Hole_ID	At depth (m)	Sample #	CeO_2 ppm	Dy_2O_3 ppm	Er_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Ho_2O_3 ppm	La_2O_3 ppm	Lu_2O_3 ppm	NB_2O_5 perc	Nd_2O_3 ppm	Pr_6O_{11} ppm	Sm_2O_3 ppm	Tb_4O_7 ppm	Tm_2O_3 ppm	Y_2O_3 ppm	Yb_2O_3 ppm	TREO ppm	TREO %	NdPr ppm	Nd-Pr% of TREO perc	MREO ppm	MREO % perc	
LG-04	38	12384	2632	34	12	30	70	5.3	1116	1.0	**1.05**	1037	305	128	8	1	144	7	**5531**	**0.6**	**1,342**	**24.3**	**1384**	**0.14**	Northern Niobium target
LG-04	41	12385	2620	32	10	29	68	4.9	1114	0.9	**0.91**	1006	298	124	8	1	135	7	**5458**	**0.5**	**1,304**	**23.9**	**1343**	**0.13**	
LG-04	44	12368	2558	33	10	30	69	4.8	1096	0.9	**1.22**	1042	290	129	8	1	126	6	**5406**	**0.5**	**1,333**	**24.7**	**1374**	**0.14**	
LG-04	48	12369	1814	23	7	21	47	3.0	772	0.5	**1.14**	727	201	91	6	1	80	4	**3797**	**0.4**	**928**	**24.4**	**956**	**0.10**	
LG-04	51	12386	2669	37	12	32	77	5.8	1223	1.0	**0.86**	1067	311	138	9	1	153	7	**5743**	**0.6**	**1,378**	**24.0**	**1424**	**0.14**	
LG-04	54	12387	2817	38	11	34	79	5.7	1211	0.9	**1.24**	1115	327	142	9	1	150	7	**5948**	**0.6**	**1,442**	**24.2**	**1489**	**0.15**	
LG-04	58	12388	1181	19	6	14	34	2.9	538	0.6	0.39	440	129	59	4	1	81	4	**2515**	**0.25**	**569**	**22.6**	**593**	**0.06**	
LG-04	61	12389	1433	21	7	17	41	3.1	688	0.5	0.27	560	165	73	5	1	82	4	**3100**	**0.31**	**725**	**23.4**	**751**	**0.08**	
LG-07	39	12390	2300	27	7	28	63	3.9	986	0.4	**1.00**	940	271	123	7	1	85	3	**4846**	**0.48**	**1,211**	**25.0**	**1245**	**0.12**	
LG-07	43	12391	2731	34	8	36	82	4.5	1096	0.5	0.88	1182	332	153	9	1	103	4	**5774**	**0.58**	**1,513**	**26.2**	**1556**	**0.16**	
LG-07	46	12392	6175	48	12	53	115	6.6	2831	0.8	**1.28**	2200	684	240	12	1	161	7	**12545**	**1.25**	**2,883**	**23.0**	**2943**	**0.29**	
LG-17	46	12393	5474	102	45	73	178	19.6	2223	3.5	**1.13**	2410	675	314	21	5	575	28	**12147**	**1.21**	**3,085**	**25.4**	**3208**	**0.32**	
LG-17	49	12394	4403	100	56	64	160	21.9	1843	5.2	0.62	2001	554	266	19	7	779	37	**10316**	**1.03**	**2,555**	**24.8**	**2674**	**0.27**	
LG-17	53	12395	6531	98	57	94	202	19.6	2387	7.7	**1.48**	2948	813	401	23	8	970	47	**14607**	**1.46**	**3,762**	**25.8**	**3883**	**0.39**	
LG-17	79	12396	4182	67	18	66	135	9.5	1316	1.0	**1.64**	1960	535	281	16	2	185	9	**8782**	**0.88**	**2,495**	**28.4**	**2577**	**0.26**	
LG-17	82	12397	1980	35	13	30	68	5.6	778	0.9	0.72	856	239	124	8	1	141	7	**4288**	**0.43**	**1,095**	**25.5**	**1138**	**0.11**	
LG-17	85	12398	4071	65	20	61	137	9.7	1521	1.4	**1.12**	1907	523	260	16	2	229	11	**8833**	**0.88**	**2,430**	**27.5**	**2510**	**0.25**	
LG-17	89	12399	2497	38	12	34	79	5.7	1011	0.9	0.66	1090	304	148	9	1	138	7	**5375**	**0.54**	**1,394**	**25.9**	**1441**	**0.14**	
LG-17	92	12400	4576	78	25	65	158	12.2	2024	1.9	0.34	1995	560	268	18	3	314	15	**10112**	**1.01**	**2,555**	**25.3**	**2651**	**0.27**	
LG-17	95	12401	2632	52	18	38	92	8.4	1106	1.4	0.47	1159	323	164	12	2	219	11	**5839**	**0.58**	**1,483**	**25.4**	**1546**	**0.15**	
LG-26	103	12351	38130	50	10	128	208	4.8	25506	0.3	0.10	9992	3291	777	26	1	87	1	**78213**	**7.82**	**13,283**	**17.0**	**13360**	**1.34**	Central REE Target area
LG-26	106	12352	24293	81	15	151	298	8.6	14508	0.8	0.06	7383	2323	737	32	1	197	3	**50030**	**5.00**	**9,706**	**19.4**	**9818**	**0.98**	
LG-26	109	12353	38868	150	35	195	370	18.9	24453	1.5	0.18	10823	3545	1000	47	3	484	9	**80003**	**8.00**	**14,368**	**18.0**	**14565**	**1.46**	
LG-26	112	12354	7245	75	22	40	93	11.7	5090	1.3	0.05	1919	686	177	16	2	339	9	**15726**	**1.57**	**2,605**	**16.6**	**2695**	**0.27**	
LG-26	118	12355	13407	37	9	55	100	4.5	8412	0.5	0.13	3358	1139	281	13	1	109	3	**26928**	**2.69**	**4,497**	**16.7**	**4546**	**0.45**	
LG-26	121	12356	35670	62	14	118	206	6.7	23517	0.5	0.18	8436	2977	636	28	1	146	3	**71821**	**7.18**	**11,412**	**15.9**	**11502**	**1.15**	
LG-26	123	12357	23124	55	11	97	183	6.0	15210	0.5	0.05	5780	1978	467	23	1	132	3	**47070**	**4.71**	**7,758**	**16.5**	**7836**	**0.78**	
LG-26	129	12358	3137	44	13	29	67	7.0	1931	0.6	0.04	1003	309	124	9	1	182	4	**6859**	**0.69**	**1,311**	**19.1**	**1364**	**0.14**	
LG-26	132	12359	6925	40	10	42	87	5.4	4505	0.4	0.10	1913	664	197	11	1	136	3	**14538**	**1.45**	**2,577**	**17.7**	**2628**	**0.26**	
LG-26	135	12360	11870	53	10	63	137	5.9	8190	0.5	0.11	3159	1087	278	18	1	138	3	**25013**	**2.50**	**4,246**	**17.0**	**4317**	**0.43**	
LG-26	138	12361	41328	77	14	117	229	7.8	29367	0.5	0.01	8939	3243	592	35	1	164	3	**84116**	**8.41**	**12,182**	**14.5**	**12294**	**1.23**	
LG-26	141	12362	10529	47	11	60	121	5.9	6716	0.5	0.03	3147	1044	291	15	1	144	4	**22137**	**2.21**	**4,192**	**18.9**	**4254**	**0.43**	
LG-26	147	12363	1685	20	4	15	36	2.7	1003	0.3	0.06	548	164	65	5	0	71	2	**3621**	**0.36**	**712**	**19.7**	**736**	**0.07**	
LG-26	153	12364	2866	11	2	11	27	1.5	2048	0.1	0.09	668	241	54	4	0	34	1	**5968**	**0.60**	**909**	**15.2**	**925**	**0.09**	
LG-26	160	12365	13407	32	5	42	92	3.1	9313	0.2	0.02	2820	1095	204	14	0	62	1	**27091**	**2.71**	**3,915**	**14.5**	**3960**	**0.40**	
LG-26	163	12366	1544	12	4	10	22	1.8	1052	0.3	0.07	415	139	44	3	0	46	2	**3295**	**0.33**	**554**	**16.8**	**569**	**0.06**	
LG-26	166	12367	8721	29	4	30	67	3.0	6131	0.2	0.01	1960	780	148	10	0	63	1	**17948**	**1.79**	**2,740**	**15.3**	**2780**	**0.28**	
LG-32	73	12370	6667	70	15	67	160	8.6	3241	0.9	0.14	2018	598	256	19	1	200	6	**13328**	**1.33**	**2,616**	**19.6**	**2705**	**0.27**	
LG-32	76	12371	7847	69	15	71	159	8.5	3838	0.8	0.20	2311	724	288	20	1	197	5	**15554**	**1.56**	**3,034**	**19.5**	**3123**	**0.31**	
LG-32	79	12372	15560	136	30	124	283	17.1	7149	1.7	0.36	4680	1379	520	37	3	451	10	**30380**	**3.04**	**6,059**	**19.9**	**6232**	**0.62**	
LG-32	115	12373	3223	35	9	32	73	4.7	1895	0.6	0.06	1112	335	132	9	1	123	4	**6988**	**0.70**	**1,447**	**20.7**	**1491**	**0.15**	
LG-32	121	12374	9902	93	25	107	233	12.7	6505	1.4	0.26	3264	1010	416	26	2	331	9	**21939**	**2.19**	**4,275**	**19.5**	**4394**	**0.44**	

personal use only

Hole_ID	At depth (m)	Sample #	CeO_2 ppm	Dy_2O_3 ppm	Er_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Ho_2O_3 ppm	La_2O_3 ppm	Lu_2O_3 ppm	NB_2O_5 perc	Nd_2O_3 ppm	Pr_6O_{11} ppm	Sm_2O_3 ppm	Tb_4O_7 ppm	Tm_2O_3 ppm	Y_2O_3 ppm	Yb_2O_3 ppm	TREO ppm	TREO %	NdPr ppm	Nd-Pr% of TREO perc	MREO ppm	MREO % perc
LG-32	124	12375	5547	38	8	54	117	4.4	2984	0.5	0.24	1977	606	234	12	1	111	2	**11696**	**1.17**	**2,584**	**22.1**	**2634**	**0.26**
LG-32	127	12376	2140	24	6	25	57	2.9	1211	0.3	0.29	753	219	106	6	1	80	2	**4634**	**0.46**	**972**	**21.0**	**1002**	**0.10**
LG-32	133	12377	3272	32	8	33	75	4.4	1691	0.7	0.24	1182	339	147	9	1	110	4	**6907**	**0.69**	**1,521**	**22.0**	**1561**	**0.16**
LG-32	142	12378	8192	130	33	97	246	18.8	3978	1.3	0.53	3007	909	391	31	3	462	12	**17511**	**1.75**	**3,916**	**22.4**	**4077**	**0.41**
LG-42	85	12379	14145	62	11	86	186	7.2	8237	0.3	0.19	4025	1307	407	18	1	172	3	**28666**	**2.87**	**5,332**	**18.6**	**5412**	**0.54**
LG-42	88	12380	30135	136	26	191	397	17.0	16556	0.5	0.10	9021	2807	934	37	2	395	6	**60660**	**6.07**	**11,828**	**19.5**	**12001**	**1.20**
LG-42	94	12381	27060	71	12	119	240	8.5	17492	0.3	0.06	6669	2390	601	21	1	198	3	**54887**	**5.49**	**9,059**	**16.5**	**9151**	**0.92**
LG-42	98	12382	25092	85	17	113	237	10.9	16790	0.4	0.10	6049	2142	541	23	1	278	4	**51383**	**5.14**	**8,191**	**15.9**	**8299**	**0.83**
LG-42	101	12383	12792	73	18	71	159	10.4	8015	0.5	0.17	3428	1181	328	17	2	258	6	**26357**	**2.64**	**4,609**	**17.5**	**4699**	**0.47**

Notes: Grab samples collected from available historic core trays, from zones that had been identified by pXRF as mineralised with REEs and Niobium.

personal use only

Appendix B – Historic Drill Collars

Hole ID	Easting (m) WGS84, UTM Z23 South	Northing (m) WGS84, UTM Z23 South	RL (m)	EOH (m)	OCN pXRF	OCN Grab Sample
FSN1A	304021	7907991	1241	120.1	-	-
FSN2A	304981	7907893	1225	152	-	-
FSN3A	305007	7907008	1224	190.75	-	-
FSN4A	303935	7905981	1245	158.3	-	-
FSN5A	305040	7906042	1235	188.15	-	-
FSN6A	304033	7905127	1255	147.5	-	-
FSN7A	304994	7904993	1242	139.95	-	-
FSN8A	306995	7905006	1241	160.9	-	-
FSN9A	309005	7904997	1253	130.85	-	-
FSN10A	303933	7904122	1259	69.65	-	-
FSN11A	304985	7904012	1257	171.85	-	-
FSN13A	306939	7903989	1260	143.2	-	-
FSN14A	308032	7903990	1256	143.25	-	-
FSN15A	309027	7903946	1245	143	-	-
FSN16A	304032	7903008	1241	80	-	-
FSN17A	304959	7903017	1249	80.65	-	-
FSN18A	305844	7903007	1250	87.05	-	-
FSN20A	307991	7903004	1241	91.15	-	-
FSN21A	308922	7903082	1235	82.85	-	-
FSN22A	306003	7907088	1178	153.1	-	-
FSN23A	307037	7907032	1182	147.4	-	-
FSN24A	305884	7905891	1211	155.15	-	-
FSN25A	306983	7905984	1224	154.55	-	-
FSN26A	308047	7906036	1226	175.35	-	-
FSN27A	309005	7906009	1227	151.15	-	-
FSN30A	306492	7907072	1203	146.35	-	-
LG01	307549	7910499	1157	100.15	-	-
LG02	307659	7909878	1157	90	-	-
LG03	308042	7909899	1157	71.4	-	-
LG04	308016	7910254	1157	68.45	-	X
LG05	307748	7910617	1157	140.8	-	-
LG06	307746	7910303	1157	102.25	-	-
LG07	308348	7910317	1157	82.05	-	X
LG08	308348	7910017	1157	107.15	-	-
LG08A	307748	7910017	1157	105.35	-	-
LG09	307748	7909717	1156	82.05	-	-
LG10	308048	7909717	1157	119.4	-	-
LG11	308348	7909717	1157	90.3	-	-
LG12	308648	7909717	1158	162.85	-	-
LG13	307755	7909404	1157	125.4	-	-
LG14	308048	7909417	1157	98.35	-	-
LG15	308348	7909417	1157	80.15	-	-
LG16	308648	7909417	1158	114.05	-	-
LG17	308948	7909417	1159	148.2	-	X
LG18	307748	7909117	1157	142.8	-	-
LG19	308048	7909117	1157	169.7	-	-
LG20	308348	7909117	1157	92.55	-	-
LG21	308648	7909117	1157	88.5	-	-
LG22	308948	7909117	1159	123.1	-	-
R203	310163	7910037	1228	169.35	-	-
U167B	309238	7910297	1203	160.3	-	-
LG23	308948	7908817	1159	91	-	-
LG24	308948	7908517	1163	124.25	-	-
LG26	307448	7907617	1158	187.2	X	X
LG27	307748	7907317	1158	79.7	X	-

For personal use only

Hole ID	Easting (m) WGS84, UTM Z23 South	Northing (m) WGS84, UTM Z23 South	RL (m)	EOH (m)	OCN pXRF	OCN Grab Sample
AA107	307768	7910937	1167	140.5	-	-
LG28	307468	7907937	1158	126.05	X	-
LG29	308068	7907637	1164	120.15	X	-
LG30	308368	7907337	1163	137.1	X	-
LG31	308378	7906897	1162	153.1	-	-
LG32	307468	7907037	1163	164.4	X	X
LG38	307148	7907637	1159	144.1	-	-
LG42	307428	7907317	1161	166.35	X	X
U167	309218	7910317	1203	160.3	-	-
AB54	309857	7908697	1208	207.1	-	-
AB66	309858	7909897	1219	190.8	-	-
L167	309266	7909481	1177	143.35	-	-
L179	309568	7909437	1194	173.95	-	-
O191	309820	7909705	1210	179.05	-	-
R179	309568	7910037	1209	157.2	-	-
AH42	311626	7907422	1249	144.45	-	-
I36	304472	7906966	1233	142.6	-	-
M18	305692	7904977	1241	173.4	-	-
AD24	310518	7905673	1248	148.85	-	-
U18	308119	7905104	1242	148.85	-	-
Q90	307045	7912283	1219	208.75	-	-
R191	309868	7910037	1223	95.35	-	-
S06	307756	7903922	1245	59	-	-
S54B	307477	7908697	1165	137.15	-	-
U179	309568	7910337	1216	202.15	-	-
U48	308077	7908096	1185	178.35	-	-
U54	308078	7908697	1175	131.85	-	-
U72	308077	7910687	1159	118.25	-	-
U78	308078	7911096	1197	120.3	-	-
X54	308678	7908687	1165	90.7	-	-
X72	308677	7910497	1188	176.8	-	-
Y39	308957	7907197	1195	171.25	-	-
Z42	309257	7907497	1203	131.15	-	-
Z48	309258	7908097	1183	162.7	-	-
Z54	309258	7908697	1164	180.8	-	-
Z60	309257	7909296	1178	127	-	-
Z66	309258	7909896	1182	141	-	-
LG34	305968	7908237	1164	150.65	-	-
MN167	309330	7909638	1179	131.4	-	-
OA167	309223	7909703	1169	127.55	-	-
ST185	309698	7910171	1220	160.55	-	-
U191	309863	7910331	1228	160	-	-
U203	310148	7910297	1236	182.2	-	-
VW131	308348	7910487	1160	93.35	-	-
X179	309548	7910617	1226	148.7	-	-
X191	309848	7910617	1233	145.3	-	-
R155B	308938	7910037	1160	74.4	-	-

All holes drilled vertical with HQ pre-collars. NQ tails were present in a number of holes over ~120m.

For personal use only

Appendix C - pXRF readings

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG26	101.55	53	17	2490	4717	509	2153	2661
LG26	101.65	515	11	8615	13727	1803	5255	7058
LG26	101.9	143	9	26763	33052	2908	9097	12004
LG26	102	262	12	1597	3152	502	1687	2188
LG26	102.1	14	21	122147	145737	10008	24718	34726
LG26	102.2	116	28	10948	16124	1451	5503	6954
LG26	102.3	692	8	26525	32677	2766	9563	12329
LG26	102.4	44	BDL	5038	8228	995	3397	4392
LG26	102.5	86	63	15726	26760	2900	11403	14303
LG26	102.6	21	15	10022	14914	1760	6466	8226
LG26	102.7	245	85	82920	104934	10866	27148	38014
LG26	102.8	28	17	95037	111809	7582	19903	27485
LG26	102.9	56	28	26835	32769	2983	9128	12111
LG26	103	46	7	3572	5332	880	2409	3290
LG26	103.1	87	13	48726	54528	4106	11981	16087
LG26	103.2	BDL	BDL	60621	69460	4842	15999	20840
LG26	103.3	11	7	5080	7282	648	2268	2916
LG26	103.3	707	12	16746	18379	1545	3847	5392
LG26	103.4	349	34	76527	85500	7712	19899	27611
LG26	103.5	62	16	13353	21154	4286	6566	10852
LG26	103.6	442	42	74288	102975	9946	30707	40653
LG26	103.7	960	114	95459	117412	10400	29820	40221
LG26	103.8	3741	52	53467	79004	8061	22052	30114
LG26	103.9	1324	131	67803	98455	10024	31788	41812
LG26	104	2292	175	37582	64549	7174	24546	31720
LG26	104.3	1640	137	34094	57734	6091	21130	27221
LG26	104.4	461	352	72932	109433	12012	33200	45211
LG26	104.5	437	169	15482	18877	2509	7325	9834
LG26	104.6	465	50	16256	27572	3075	10732	13807
LG26	104.7	358	97	25349	46964	6000	20221	26221
LG26	104.8	523	97	4376	7841	1402	4177	5580
LG26	104.9	249	108	12911	22239	2810	8491	11302
LG26	105	316	117	13614	21354	1781	8882	10663
LG26	105.1	223	120	16005	25929	2899	10871	13770
LG26	105.2	31	329	12513	21819	2873	9214	12087
LG26	105.3	597	156	16226	23261	2046	6919	8965
LG26	105.4	392	138	22193	29032	3537	10422	13959
LG26	105.5	367	92	9146	12560	1675	5746	7420
LG26	105.6	344	98	14656	18876	1568	4869	6437
LG26	105.7	81	25	2156	3180	405	1438	1842
LG26	105.8	233	59	1752	2510	287	1340	1626
LG26	105.9	362	336	16844	23636	2179	7013	9193
LG26	106	405	155	18798	26207	2571	8063	10634
LG26	106.1	303	241	64134	82694	7617	20999	28615
LG26	106.2	354	372	5552	7856	1645	4867	6512
LG26	106.4	98	294	41079	54237	4383	16332	20715
LG26	106.5	472	171	25916	40022	5100	14874	19975
LG26	106.6	482	206	9454	14989	1656	6057	7713
LG26	106.7	1416	249	28269	42447	5993	15636	21629
LG26	106.8	1123	158	22876	37226	4358	12914	17272
LG26	106.9	109	305	32028	57325	6952	19123	26075
LG26	107	495	187	30899	48276	5171	15080	20251
LG26	107.1	422	122	50522	77655	8833	24448	33281
LG26	107.2	399	99	69388	102455	10435	29345	39781
LG26	107.85	162	35	2183	4019	956	2550	3506
LG26	107.95	1128	333	41166	65316	7896	25321	33217
LG26	108.05	141	93	12705	22182	2558	6965	9523
LG26	108.15	1714	210	51642	73002	7371	24001	31372
LG26	108.25	1194	403	66900	90102	7897	26683	34580
LG26	108.35	1876	316	110437	150045	14512	42561	57073
LG26	108.45	951	392	89553	120460	12518	34570	47088
LG26	108.55	1781	1199	9149	13412	1779	5826	7605
LG26	108.65	1266	914	50103	68907	5922	20704	26625
LG26	108.85	1091	1761	19184	28451	3763	11689	15452
LG26	108.95	1360	684	13353	18294	2166	6769	8935
LG26	109.05	646	290	1471	2136	530	1401	1931
LG26	109.15	765	441	3180	4382	822	2608	3429
LG26	109.25	603	278	7532	9548	1393	5161	6554
LG26	109.35	803	524	2905	3901	702	1958	2660
LG26	109.45	552	318	3501	4665	1489	3003	4492
LG26	109.55	573	373	1110	1295	434	1106	1540
LG26	109.65	565	320	2414	3185	552	1716	2267

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG26	109.75	567	359	3124	4226	747	2694	3440
LG26	109.95	576	297	1871	2590	514	1577	2092
LG26	110.05	621	309	2634	3518	771	2190	2961
LG26	110.2	1003	32	BDL	BDL	BDL	BDL	
LG26	110.2	BDL	BDL	103	133	227	BDL	227
LG26	110.2	683	459	1541	1636	BDL	BDL	
LG26	110.3	453	272	3049	4255	1053	2844	3897
LG26	110.4	541	218	1406	1624	BDL	BDL	
LG26	110.5	459	265	2596	3354	BDL	1167	1167
LG26	110.6	553	351	6866	9154	1000	2849	3849
LG26	110.7	632	213	86451	118312	11761	32623	44384
LG26	110.8	515	416	37482	54746	5740	17333	23074
LG26	110.9	162	153	63664	106365	10520	36620	47140
LG26	111	783	124	1685	4644	981	2306	3287
LG26	111.5	676	393	1734	2572	BDL	2128	2128
LG26	111.7	423	360	5161	6777	BDL	3312	3312
LG26	111.9	430	375	2261	3366	849	2269	3118
LG26	112.1	408	320	5213	7145	BDL	2521	2521
LG26	112.3	441	370	2821	3514	726	2060	2786
LG26	112.5	660	127	9936	13701	1570	5161	6731
LG26	112.7	864	181	1645	3947	BDL	2808	2808
LG26	112.9	909	147	2274	5618	BDL	3552	3552
LG26	113.1	904	151	1879	3103	957	2346	3303
LG26	113.3	494	105	935	1784	BDL	1381	1381
LG26	113.5	485	96	2903	4528	1242	2509	3751
LG26	113.7	488	108	3952	5914	803	2223	3027
LG26	113.9	700	177	7641	10817	1178	4386	5564
LG26	114.1	544	305	15467	20477	1794	7318	9112
LG26	114.3	537	140	1663	3744	1120	3360	4480
LG26	114.5	2952	124	72136	101598	9502	30991	40493
LG26	114.7	1798	124	39118	63925	6295	21608	27903
LG26	114.9	3428	158	69834	101688	10744	32764	43508
LG26	115.1	480	223	2070	3478	1293	3946	5238
LG26	115.3	2797	180	32573	45794	4551	15279	19830
LG26	115.5	3646	70	19662	26141	3169	7955	11123
LG26	115.7	8145	47	28260	36434	2854	8920	11775
LG26	115.9	420	29	5176	6998	1214	2924	4138
LG26	116.1	754	97	35544	56705	6045	19437	25482
LG26	116.3	505	52	4696	6240	BDL	3392	3392
LG26	116.5	456	61	5308	8353	1773	4751	6525
LG26	116.7	370	36	2336	3502	1329	2622	3951
LG26	116.9	443	43	2780	5201	2493	4240	6733
LG26	117.1	926	123	16362	25033	3143	10487	13630
LG26	117.3	1890	161	29615	41328	4646	11518	16164
LG26	117.5	1043	112	31658	44069	4188	16197	20384
LG26	117.7	1418	100	52726	68549	7353	19124	26476
LG26	117.9	1165	154	35936	58297	6897	24264	31160
LG26	118.1	1028	186	20050	30339	3947	11174	15121
LG26	118.3	320	82	38593	53675	6397	17119	23516
LG26	118.5	569	65	15749	22910	BDL	6298	6298
LG26	118.7	798	86	11291	17990	2405	7942	10347
LG26	118.9	421	58	31771	46508	3024	12729	15753
LG26	119.1	740	94	58467	76596	6722	18231	24953
LG26	119.3	1462	125	67697	85766	6702	18971	25673
LG26	119.3	959	99	63007	79407	6182	20671	26853
LG26	119.5	752	102	56286	70597	5135	15732	20867
LG26	119.7	762	105	69627	85866	9129	22065	31194
LG26	119.9	465	110	68769	86707	6492	18823	25315
LG26	120.1	622	117	75980	94887	7040	20728	27768
LG26	120.3	3799	102	94121	116942	10229	27061	37290
LG26	120.5	1728	97	66017	88051	7552	22155	29707
LG26	120.7	12174	71	31099	45913	4580	14873	19453
LG26	120.9	783	72	55783	75579	6100	20536	26637
LG26	121.1	1828	70	68963	95514	9533	27736	37268
LG26	121.3	177	103	128517	167475	14174	41354	55528
LG26	121.5	2578	101	87198	111323	9525	25955	35480
LG26	121.7	261	87	29087	42008	4849	15149	19998
LG26	121.9	334	91	27517	41715	4635	12000	16636
LG26	122.1	297	105	46064	67768	5067	17381	22449
LG26	122.3	505	114	43880	64959	4915	17665	22579
LG26	122.5	324	81	41534	59431	5688	15808	21496
LG26	122.7	54	97	43894	58721	5118	15746	20865
LG26	122.9	20	107	104070	128653	9329	26985	36313
LG26	123.1	107	69	42462	55977	4385	9863	14248
LG26	123.3	510	136	14528	22560	3687	7999	11686

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG26	123.5	923	138	15980	28335	5029	12511	17540
LG26	123.7	1779	113	17369	31212	4373	12654	17027
LG26	123.9	996	75	15697	29187	4268	13640	17908
LG26	124.1	314	89	7660	13767	3761	6292	10054
LG26	124.3	453	106	8639	14555	3851	8930	12781
LG26	124.5	293	121	3073	5877	2392	6132	8524
LG26	124.7	506	153	10624	17442	BDL	6401	6401
LG26	124.9	528	177	23155	39062	4319	11032	15352
LG26	125.1	1598	140	8636	17340	2574	6724	9298
LG26	125.3	716	110	9070	17708	3194	8396	11590
LG26	125.5	207	114	14002	20911	BDL	8300	8300
LG26	125.7	163	93	10198	16630	BDL	6227	6227
LG26	125.9	273	93	13542	20539	BDL	8506	8506
LG26	126.1	1347	245	20025	34393	4061	12626	16687
LG26	126.3	534	100	16691	26402	2422	7254	9676
LG26	126.5	329	84	13368	20777	1734	8539	10273
LG26	126.7	306	93	12630	19678	1933	6445	8378
LG26	126.9	327	60	7674	11884	BDL	BDL	
LG26	127.1	514	74	17595	22900	3442	8858	12300
LG26	127.3	553	57	655	1324	765	1509	2274
LG26	127.5	187	139	1153	1991	767	1409	2176
LG26	127.7	363	279	1295	2298	BDL	1246	1246
LG26	127.9	264	143	669	1461	859	2443	3302
LG26	128.1	684	114	1252	2156	BDL	1432	1432
LG26	128.3	356	234	1350	2604	1202	2606	3808
LG26	128.5	275	140	6553	11777	1658	6986	8644
LG26	128.7	314	106	13156	19837	2803	9841	12645
LG26	128.9	404	187	636	1350	941	1964	2905
LG26	129.1	325	188	435	1164	640	2214	2854
LG26	129.3	554	208	1056	2421	1007	1306	2313
LG26	129.5	600	161	2548	5301	1003	3420	4423
LG26	129.7	227	151	1660	3144	926	2047	2972
LG26	129.9	222	158	494	1085	BDL	1332	1332
LG26	130.1	226	137	1579	2786	815	2105	2919
LG26	130.3	245	224	986	2184	924	1746	2670
LG26	130.5	229	96	5798	9203	1662	4506	6168
LG26	130.7	192	267	636	1768	BDL	2115	2115
LG26	130.9	209	169	3474	5715	1359	3458	4817
LG26	130.9	296	110	1213	2353	1095	1947	3043
LG26	131.1	363	121	755	1793	BDL	1664	1664
LG26	131.3	1691	89	1486	2626	725	2013	2738
LG26	131.5	836	72	2767	5209	1115	3070	4185
LG26	131.7	266	16	1058	2022	412	907	1319
LG26	131.9	338	228	2754	4452	1023	3903	4926
LG26	132.1	308	100	5769	9152	2165	3987	6153
LG26	132.3	1660	79	8533	13428	BDL	5143	5143
LG26	132.5	798	108	22464	32308	3414	12397	15811
LG26	132.7	378	128	6314	9692	1773	4381	6154
LG26	133.1	310	117	12209	18489	1721	7316	9037
LG26	133.3	344	174	13719	20102	2041	6676	8717
LG26	133.5	154	44	6283	8767	940	2284	3224
LG26	133.7	674	123	9958	15570	1974	6069	8043
LG26	133.9	700	126	28615	39367	3066	11779	14845
LG26	134.1	523	133	32418	40830	4147	8088	12234
LG26	134.3	1132	98	28356	41767	4443	12649	17092
LG26	134.5	2525	68	23613	32567	4804	8549	13353
LG26	134.7	1388	181	33459	49371	3657	12465	16122
LG26	134.9	717	117	37600	51624	4662	14824	19487
LG26	135.1	618	103	12241	18049	BDL	6721	6721
LG26	135.3	771	95	6129	8879	2885	5230	8114
LG26	135.5	310	193	26549	35862	4458	10474	14932
LG26	135.7	368	159	24173	32761	3896	7318	11214
LG26	135.9	666	175	22354	30468	2057	8768	10825
LG26	136.1	711	177	18908	27886	2864	8377	11242
LG26	136.3	181	213	25697	35176	2597	9387	11984
LG26	136.5	220	202	23399	32992	2816	9588	12404
LG26	136.7	190	261	23191	32361	2152	10663	12815
LG26	136.9	272	146	4362	6410	1402	4144	5546
LG26	137.1	20	213	46343	74315	7623	23312	30935
LG26	137.3	15	169	9284	20857	2545	11706	14252
LG26	137.5	15	497	32468	75390	10159	37838	47997
LG26	137.7	BDL	280	21084	48451	6069	24350	30419
LG26	137.9	46	217	39418	54047	4807	14448	19256
LG26	138.1	35	176	59884	69351	5600	14543	20143
LG26	138.3	155	186	56485	71264	5921	17126	23046

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG26	138.5	33	149	12616	27322	4295	13261	17557
LG26	138.7	113	47	108922	127051	9942	25493	35435
LG26	138.9	55	73	46387	58005	6308	11901	18210
LG26	139.1	59	59	17515	22635	BDL	5921	5921
LG26	139.3	86	152	178497	206430	17038	38845	55883
LG26	139.5	48	76	110505	131557	12484	29502	41986
LG26	139.7	27	81	192263	221090	16371	43596	59967
LG26	139.9	79	117	114929	137854	11670	32336	44006
LG26	140.1	77	270	158614	212075	20242	56239	76481
LG26	140.3	536	220	43074	55537	6148	15538	21687
LG26	140.5	138	210	100953	134932	9454	35229	44683
LG26	140.7	643	186	38193	61770	5614	21499	27113
LG26	140.9	351	172	39172	57094	6188	15757	21945
LG26	141.1	351	62	2133	3916	878	2151	3029
LG26	141.3	392	67	1921	2940	835	1753	2588
LG26	141.5	215	76	3575	5311	BDL	1981	1981
LG26	141.7	434	420	16953	28221	2736	11881	14618
LG26	141.9	206	54	2489	4119	1372	2628	3999
LG26	142.3	213	119	959	1569	844	1222	2067
LG26	142.5	271	35	371	833	511	856	1367
LG26	142.7	339	58	859	1056	654	1581	2235
LG26	142.9	1190	44	1282	2173	BDL	2139	2139
LG26	143.1	1145	39	958	1608	BDL	874	874
LG26	143.3	1450	33	781	1497	531	1511	2042
LG26	143.5	1209	50	1915	3198	BDL	1642	1642
LG26	143.7	461	130	1536	2309	BDL	1191	1191
LG26	143.9	216	63	2150	3652	971	3214	4185
LG26	144.1	564	53	931	1365	446	1132	1578
LG26	144.3	560	64	750	1354	BDL	1185	1185
LG26	144.5	242	45	647	1097	BDL	BDL	
LG26	144.9	256	46	1377	1895	BDL	1388	1388
LG26	145.1	1091	42	1412	2454	798	1660	2458
LG26	145.3	1383	15	506	799	BDL	882	882
LG26	145.5	256	25	938	1475	BDL	1994	1994
LG26	145.7	378	36	5155	8312	1210	3554	4764
LG26	146.1	432	50	1369	2118	BDL	1621	1621
LG26	146.3	209	32	1927	3391	BDL	4072	4072
LG26	146.5	537	68	919	1733	629	1968	2597
LG26	146.7	877	24	898	1736	BDL	1330	1330
LG26	146.9	1624	24	751	1484	BDL	594	594
LG26	147.1	573	16	323	818	BDL	786	786
LG26	147.5	432	56	918	2202	590	2129	2719
LG26	147.7	1853	51	1892	3971	747	2258	3005
LG26	147.9	729	31	783	1607	BDL	BDL	
LG26	148.1	870	BDL	874	1263	594	1123	1718
LG26	148.3	410	18	802	1477	837	1649	2486
LG26	148.3	163	17	167	237	BDL	684	684
LG26	148.5	232	43	1155	2064	835	2063	2898
LG26	148.7	105	56	4398	7114	2264	6111	8374
LG26	148.9	BDL	24	799	1405	BDL	1228	1228
LG26	149.1	24	15	325	654	538	BDL	538
LG26	149.3	82	102	1899	4055	492	2175	2666
LG26	149.5	44	11	1193	1762	BDL	BDL	
LG26	149.7	BDL	42	251	547	BDL	BDL	
LG26	149.9	328	34	BDL	1148	1263	3228	4490
LG26	150.1	404	133	305	650	BDL	852	852
LG26	150.3	574	11	600	1236	BDL	1128	1128
LG26	150.5	2451	22	914	1383	612	964	1577
LG26	150.7	308	20	960	1936	573	1295	1869
LG26	150.9	358	32	3436	5694	BDL	4377	4377
LG26	151.1	5737	15	14998	19478	1601	5694	7295
LG26	151.3	24	43	15049	21696	BDL	7734	7734
LG26	151.5	114	26	7881	9680	1531	3485	5015
LG26	151.7	70	61	871	1716	BDL	1680	1680
LG26	151.9	186	19	372	554	BDL	BDL	
LG26	152.1	60	BDL	188	443	BDL	BDL	
LG26	152.3	169	15	BDL	507	BDL	1102	1102
LG26	152.5	47	11	313	507	BDL	747	747
LG26	152.7	162	19	828	1590	689	1639	2328
LG26	152.9	77	12	264	405	BDL	791	791
LG26	153.1	131	6	BDL	496	990	1902	2892
LG26	153.3	293	BDL	BDL	306	BDL	BDL	
LG26	153.5	473	22	906	1387	BDL	1220	1220
LG26	153.7	718	BDL	1230	1811	BDL	748	748
LG26	153.9	305	174	452	776	BDL	931	931

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG26	154.1	2568	BDL	704	1050	BDL	774	774
LG26	154.3	223	17	465	608	BDL	1112	1112
LG26	154.5	181	26	1792	2879	781	1322	2103
LG26	154.7	598	63	608	1096	BDL	BDL	
LG26	154.9	1156	139	1611	3246	BDL	1903	1903
LG26	155.1	179	BDL	1036	1483	591	BDL	591
LG26	155.7	223	53	360	772	613	1272	1885
LG26	155.9	163	52	3135	4402	764	2112	2876
LG26	156.1	86	33	26191	30198	2378	6986	9365
LG26	156.3	50	23	3634	4731	BDL	2298	2298
LG26	157.7	117	115	3574	5796	1168	3400	4567
LG26	157.9	58	21	BDL	442	BDL	BDL	
LG26	158.1	142	22	2050	2895	580	1121	1702
LG26	158.3	200	63	232	517	BDL	1053	1053
LG26	158.7	361	44	263	654	BDL	1927	1927
LG26	158.9	324	24	427	912	BDL	1212	1212
LG26	159.1	424	35	1280	1976	BDL	1742	1742
LG26	159.3	488	61	345	1107	BDL	1925	1925
LG26	159.5	504	53	600	1254	BDL	958	958
LG26	159.7	58	23	BDL	848	1432	2043	3475
LG26	159.9	254	23	311	480	605	BDL	605
LG26	160.1	1346	78	802	1893	819	2720	3539
LG26	160.3	2285	61	810	2424	823	2792	3615
LG26	160.5	571	BDL	321	838	BDL	590	590
LG26	160.7	213	22	272	534	BDL	949	949
LG26	160.9	22	18	1501	1881	BDL	1187	1187
LG26	161.1	134	74	18492	23797	2171	5081	7252
LG26	161.3	110	72	38620	51026	3265	11406	14671
LG26	161.5	50	58	10772	15036	1842	5649	7491
LG26	161.7	19	72	2540	2188	BDL	BDL	
LG26	161.9	418	137	2211	3370	BDL	2540	2540
LG26	162.1	189	38	15806	21952	BDL	6052	6052
LG26	162.3	58	22	33481	41159	4310	9480	13790
LG26	162.5	53	78	6210	8144	1289	3440	4729
LG26	163.3	91	59	28963	36669	3121	9716	12837
LG26	163.5	41	17	11409	14414	BDL	3987	3987
LG26	163.7	143	17	1529	1905	1033	BDL	1033
LG26	163.9	7840	41	1665	2475	BDL	BDL	
LG26	164.1	113	291	64487	79742	5634	17922	23555
LG26	164.3	92	126	28394	36133	2855	9683	12537
LG26	164.8	48	157	37404	49198	4779	12635	17414
LG26	165	9	11	BDL	1454	BDL	BDL	
LG26	165.2	BDL	21	16643	21078	3111	4759	7869
LG26	165.9	48	45	14217	19102	2155	6440	8596
LG26	166.1	107	29	9614	13962	1889	6715	8604
LG26	166.3	75	31	3758	5885	BDL	3273	3273
LG26	166.5	28	49	11671	16165	3704	5529	9233
LG26	166.7	BDL	19	4957	7067	1699	3416	5115
LG26	166.9	227	69	572	1282	926	2696	3622
LG26	167.1	BDL	86	1477	5087	BDL	BDL	
LG26	167.3	BDL	BDL	1212	1765	BDL	BDL	
LG26	167.5	BDL	12	606	1183	1044	2052	3095
LG26	168.1	19	31	3351	6563	1036	2869	3905
LG26	168.3	27	14	18487	23010	3221	8599	11820
LG26	168.5	24	15	1395	2580	2284	2931	5215
LG26	168.7	178	70	13660	18398	2463	5179	7642
LG26	168.9	33	21	6081	8913	BDL	4164	4164
LG26	169.1	81	93	39775	51881	4181	12441	16623
LG26	169.9	141	176	24118	33687	2476	9770	12245
LG26	170.1	84	107	74560	86983	5116	16839	21956
LG26	170.3	64	43	2056	3155	1253	3094	4348
LG26	170.5	67	106	34015	45411	3532	10381	13914
LG26	170.7	106	86	78588	96029	6866	17489	24355
LG26	170.9	72	79	64890	82148	7087	16872	23959
LG26	171.1	135	114	62790	81286	8499	21571	30070
LG26	171.3	52	72	14474	19359	BDL	BDL	
LG26	171.5	153	161	11980	17215	2360	6247	8607
LG26	171.7	33	37	1429	2373	BDL	2012	2012
LG26	171.9	32	63	711	1185	BDL	1633	1633
LG26	172.1	70	33	5686	7276	BDL	3835	3835
LG26	172.3	24	27	1252	1525	BDL	684	684
LG26	172.5	46	26	485	1154	1100	1404	2504
LG26	172.7	21	22	1162	1692	BDL	BDL	
LG26	173.5	70	37	1550	2626	1616	BDL	1616
LG26	173.7	15	49	1371	1967	BDL	BDL	

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG26	173.9	13	16	2080	3076	BDL	2583	2583
LG26	174.1	14	29	1032	1534	BDL	813	813
LG26	176.7	32	20	1404	1913	BDL	1609	1609
LG26	176.9	26	84	1550	3079	1060	2349	3409
LG26	177.1	16	29	2863	3741	BDL	BDL	
LG26	177.3	35	110	11682	24797	3805	12121	15926
LG26	177.5	21	26	3322	5645	984	3880	4865
LG26	177.7	10	29	3860	4710	760	1585	2345
LG26	177.9	135	BDL	626	1013	BDL	2344	2344
LG26	178.1	BDL	19	1946	2853	BDL	3087	3087
LG26	178.3	11	14	227	358	BDL	BDL	
LG26	178.5	36	BDL	214	546	BDL	701	701
LG26	178.7	39	15	3804	4765	BDL	BDL	
LG26	178.9	BDL	20	1184	1613	BDL	BDL	
LG26	179.1	17	16	235	287	BDL	BDL	
LG26	179.3	24	11	421	356	BDL	730	730
LG26	179.5	19	91	1779	3713	776	1591	2368
LG26	179.7	139	9	711	965	BDL	821	821
LG26	179.9	33	17	218	263	BDL	BDL	
LG26	180.1	12	15	423	414	605	BDL	605
LG26	181.9	26	11	786	1333	BDL	1914	1914
LG26	182.1	350	47	4559	6910	939	2851	3789
LG26	182.1	25	14	1168	1614	BDL	BDL	
LG26	182.3	36		304	554	363	511	875
LG26	182.8	130	55	2093	2608	2197	BDL	2197
LG26	183	369	42	1719	3053	1073	1461	2535
LG26	183.2	263	52	2992	4500	1197	3547	4744
LG26	183.4	54	7	457	681	BDL	BDL	
LG26	183.6	32	10	510	791	BDL	909	909
LG26	184.1	479	47	444	896	717	1650	2366
LG26	184.3	177	29	354	723	618	979	1597
LG26	184.5	49	17	1775	2034	BDL	BDL	
LG26	184.7	52	17	736	923	BDL	BDL	
LG26	184.9	69	20	398	326	BDL	BDL	
LG26	185.1	22		761	1014	BDL	BDL	
LG26	185.7	70	14	627	1068	BDL	BDL	
LG26	185.9	19	12	556	815	692	1750	2442
LG26	186.1	29	18	336	424	BDL	BDL	
LG26	186.3	BDL		203	BDL	BDL	BDL	
LG26	187.1	59	22	245	544	BDL	BDL	
LG32	60.5	BDL		55	BDL	BDL	190	190
LG32	60.7	BDL		BDL	BDL	BDL	BDL	
LG32	60.9	342	31	543	866	BDL	BDL	
LG32	61.1	438	48	822	1619	412	690	1102
LG32	61.3	568	29	491	894	BDL	BDL	
LG32	61.5	925	32	691	826	BDL	1071	1071
LG32	61.7	881	17	344	413	BDL	474	474
LG32	61.7	878	28	319	429	BDL	453	453
LG32	61.9	678	21	194	228	BDL	BDL	
LG32	62.1	815	18	370	511	BDL	751	751
LG32	62.3	887	15	517	706	BDL	BDL	
LG32	62.5	1026	19	535	821	BDL	BDL	
LG32	62.7	967	47	1790	3085	BDL	1537	1537
LG32	62.9	963	30	1097	1597	BDL	603	603
LG32	63.1	1152	53	1972	3051	688	1487	2175
LG32	63.3	1336	140	7493	12139	1989	4346	6335
LG32	63.5	1711	100	3647	6550	817	2107	2924
LG32	63.7	1193	180	9760	18159	1902	5615	7517
LG32	63.9	1334	1428	72617	138679	15633	48679	64312
LG32	64.1	1499	142	4402	6604	847	2463	3309
LG32	64.3	2163	92	3207	4897	575	2023	2598
LG32	64.5	7651	94	3517	6622	683	2276	2959
LG32	64.7	1597	46	1100	2037	BDL	832	832
LG32	64.9	1822	445	10794	17702	1859	6661	8520
LG32	65.1	1024	433	13125	20862	2317	8454	10771
LG32	65.3	894	95	2376	4643	566	1417	1983
LG32	65.5	514	61	1049	1811	BDL	705	705
LG32	65.7	1086	287	14210	27401	2509	8291	10800
LG32	65.9	522	27	639	885	BDL	590	590
LG32	66.1	548	155	9869	16632	1397	4764	6162
LG32	66.5	958	51	1541	2778	BDL	993	993
LG32	66.7	1009	56	2141	3361	BDL	939	939
LG32	66.9	889	114	786	1207	299	660	959
LG32	67.1	1242	82	2796	5284	BDL	BDL	
LG32	67.3	1196	373	21611	41160	3839	12923	16762

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG32	67.5	1246	162	6550	10292	1393	3274	4667
LG32	67.7	2469	76	3218	6584	BDL	3374	3374
LG32	67.9	508	39	1314	2450	541	1276	1817
LG32	68.1	1067	59	3345	5497	1023	2339	3362
LG32	68.3	762	103	2855	4994	BDL	2229	2229
LG32	68.5	667	88	216	419	BDL	BDL	
LG32	68.7	881	101	2975	3273	632	1638	2270
LG32	68.9	994	296	16584	20090	3857	13905	17763
LG32	69.1	1563	134	8665	8258	2283	7973	10256
LG32	69.3	833	158	11786	22975	2483	7792	10275
LG32	69.5	1433	147	9668	16232	2206	7759	9965
LG32	69.7	473	67	4088	7105	937	3853	4789
LG32	69.9	1010	128	7105	14728	2070	5526	7596
LG32	70.1	591	289	3613	6640	1423	4404	5828
LG32	70.3	1225	385	7356	16448	1514	6419	7933
LG32	70.5	1565	430	6785	12321	2114	6173	8287
LG32	70.7	456	74	1033	1053	BDL	910	910
LG32	70.9	610	68	1301	3358	713	1835	2548
LG32	71.1	508	97	1582	3775	747	1884	2631
LG32	71.3	232	19	471	948	BDL	870	870
LG32	71.5	944	52	2700	11101	BDL	BDL	
LG32	71.7	611	96	6890	14841	2206	5337	7544
LG32	71.9	1892	94	5654	18222	2349	BDL	2349
LG32	72.1	812	248	9899	17081	2649	10712	13360
LG32	72.3	778	126	6338	13246	2848	7568	10416
LG32	72.5	1648	209	18107	37298	3678	13073	16752
LG32	72.7	1248	154	13229	25974	2707	8760	11467
LG32	72.9	883	131	10641	25189	3810	8490	12299
LG32	73.1	1737	168	14146	22145	2706	8918	11625
LG32	73.3	304	83	4398	8549	BDL	BDL	
LG32	73.5	269	153	2124	5314	BDL	BDL	
LG32	73.7	434	232	3823	6272	BDL	BDL	
LG32	73.9	393	200	2967	4198	BDL	BDL	
LG32	74.1	510	132	5655	9836	BDL	4862	4862
LG32	74.3	469	106	4168	7235	2700	BDL	2700
LG32	74.5	353	99	4959	7463	BDL	BDL	
LG32	74.7	1591	107	1919	4272	BDL	BDL	
LG32	74.9	896	50	1886	3170	2004	4243	6247
LG32	75.1	4328	208	10333	18180	2510	8533	11043
LG32	75.3	2128	301	12961	22659	3048	11526	14574
LG32	75.5	2383	236	11075	18886	2070	8302	10372
LG32	75.7	1919	80	6223	11790	BDL	6528	6528
LG32	75.9	2378	172	9150	16951	BDL	6556	6556
LG32	76.1	2711	251	8126	14733	1606	6939	8545
LG32	76.3	2066	246	13162	23872	3100	10162	13262
LG32	76.5	2663	210	8349	15169	BDL	7554	7554
LG32	76.7	1648	233	9587	18540	3188	8580	11768
LG32	76.9	1726	251	8347	17694	2964	7442	10406
LG32	77.1	1882	270	8175	17362	2839	6687	9526
LG32	77.3	1850	209	12537	26374	3364	9756	13120
LG32	77.5	2007	203	10556	21971	2840	6603	9443
LG32	77.7	1507	187	10329	20975	3479	8594	12073
LG32	77.9	1733	225	11965	27019	2170	11552	13722
LG32	78.1	1600	191	10196	21931	3294	9043	12337
LG32	78.3	3187	378	11898	22846	2775	8755	11530
LG32	78.5	2496	445	14853	33775	3789	14742	18531
LG32	78.7	3148	362	9901	19981	2034	7854	9888
LG32	78.9	2726	410	37400	67909	7060	23007	30068
LG32	79.1	2562	290	15935	32316	5249	12704	17953
LG32	79.3	4286	254	13731	25983	3274	11372	14646
LG32	79.5	4495	259	19008	34818	4790	13554	18344
LG32	79.7	2736	300	10289	20577	3148	9373	12521
LG32	79.9	1243	316	11525	21127	3166	10303	13470
LG32	80.1	1853	503	15381	26723	3715	11026	14742
LG32	80.3	633	148	2287	3718	BDL	3220	3220
LG32	80.5	2272	141	2128	3710	1110	3601	4710
LG32	80.7	3201	286	11631	20877	2481	9868	12350
LG32	80.9	1702	267	9960	16344	1951	9230	11181
LG32	81.1	522	150	1486	2298	1205	2577	3782
LG32	81.3	607	125	832	1212	BDL	1165	1165
LG32	81.5	560	193	717	1065	529	872	1401
LG32	81.7	430	229	1814	2290	BDL	1643	1643
LG32	81.9	1408	205	14799	25056	3090	12156	15247
LG32	82.1	5970	123	36475	43860	4821	12788	17608
LG32	82.3	1159	125	9005	13939	1578	5715	7293

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG32	82.5	619	75	365	446	BDL	BDL	
LG32	82.7	1537	130	3868	7563	953	2465	3418
LG32	82.9	791	158	20800	21811	1722	5728	7450
LG32	83.1	570	73	1839	3064	BDL	1746	1746
LG32	83.3	2205	157	4765	8300	932	2810	3742
LG32	83.5	1795	140	5319	8740	1301	3545	4846
LG32	83.7	2817	86	4071	7219	1935	6101	8036
LG32	83.9	967	86	3857	5827	1185	3457	4642
LG32	84.1	2101	84	2490	4370	BDL	2385	2385
LG32	84.3	2143	79	1635	3213	723	1876	2600
LG32	84.5	1919	88	3091	5188	934	2583	3517
LG32	84.7	2336	95	2822	4516	920	2958	3878
LG32	84.9	10159	63	1075	2277	596	1795	2391
LG32	85.1	812	36	460	858	BDL	986	986
LG32	85.3	3924	78	2002	3297	876	1969	2845
LG32	85.5	2871	108	4469	6190	981	2871	3852
LG32	85.7	1260	196	3868	6755	1942	5801	7744
LG32	85.9	601	86	1347	2210	1197	2999	4196
LG32	86.1	812	108	1343	1988	1100	3470	4570
LG32	86.3	934	132	1928	2742	1316	3771	5087
LG32	86.5	719	125	944	1598	BDL	2648	2648
LG32	86.7	690	97	937	1400	1046	2898	3944
LG32	86.9	796	118	1456	2280	1497	3249	4747
LG32	87.1	587	239	592	863	BDL	1431	1431
LG32	87.3	680	121	1364	2029	1314	3596	4910
LG32	87.5	591	115	1403	1482	1160	2145	3305
LG32	87.7	637	116	960	1349	896	1853	2749
LG32	87.9	722	108	1049	3425	BDL	1935	1935
LG32	88.1	629	85	645	955	BDL	1954	1954
LG32	88.3	678	112	1595	2244	1120	3467	4587
LG32	88.5	690	104	1049	1791	1098	3019	4117
LG32	88.7	702	103	1107	2842	1173	3030	4203
LG32	88.9	616	107	1144	1525	BDL	3193	3193
LG32	89.1	705	119	1238	2928	1026	3243	4268
LG32	89.3	678	108	1705	6127	1649	4035	5685
LG32	89.5	643	108	763	2287	1085	2940	4025
LG32	89.7	659	111	850	2382	1099	2846	3945
LG32	89.9	404	69	1736	2296	2161	3680	5841
LG32	90.1	771	83	1096	1399	1131	2289	3420
LG32	90.3	274	66	606	12286	1635	5745	7380
LG32	90.5	475	68	783	2061	BDL	3541	3541
LG32	90.7	677	84	1159	2324	1318	3720	5037
LG32	90.9	751	89	1169	2881	1484	2356	3840
LG32	91.1	780	82	1133	1874	1069	4002	5071
LG32	91.3	621	82	589	2304	BDL	3208	3208
LG32	91.5	597	81	BDL	4012	BDL	4063	4063
LG32	91.7	709	111	1667	2953	BDL	4921	4921
LG32	91.9	589	76	3342	3659	1995	5289	7284
LG32	92.3	7012	72	3697	3837	1782	6590	8372
LG32	92.5	267	57	729	797	BDL	1933	1933
LG32	92.7	416	84	2044	2914	1236	3573	4809
LG32	92.9	1236	37	968	1492	676	1619	2295
LG32	93.1	873	74	4017	6683	1335	3627	4961
LG32	93.5	579	65	3970	6112	1772	3545	5316
LG32	93.7	959	52	1086	1525	832	2018	2850
LG32	93.9	956	40	453	604	BDL	1561	1561
LG32	94.1	2030	52	3453	4991	1204	3878	5082
LG32	94.3	5281	75	3150	4052	1266	2911	4177
LG32	94.5	1191	48	1513	2681	1359	2560	3918
LG32	94.7	1114	45	1652	2908	BDL	2962	2962
LG32	94.9	1295	52	1662	2713	1004	3665	4670
LG32	95.1	938	49	5448	7867	1440	3675	5114
LG32	95.3	1238	51	2386	3388	961	3449	4410
LG32	95.5	1200	60	2262	3330	1172	3145	4317
LG32	95.7	474	51	2653	4420	1210	3698	4908
LG32	95.9	570	62	2443	4322	992	2839	3831
LG32	96.1	726	47	2143	3609	1327	3640	4967
LG32	96.3	811	29	623	1250	BDL	1278	1278
LG32	96.5	403	105	4071	7273	1103	3096	4199
LG32	96.7	916	90	3009	5315	1227	5502	6728
LG32	96.9	1026	100	1333	2590	1233	3704	4937
LG32	97.3	727	66	537	1236	BDL	2046	2046
LG32	97.5	515	72	1206	2125	BDL	2102	2102
LG32	97.7	1011	48	2665	4773	2033	4030	6063
LG32	97.9	707	55	1632	3446	BDL	4006	4006

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG32	98.1	1062	47	1792	3373	BDL	2704	2704
LG32	98.3	1075	45	1741	3440	1441	2904	4345
LG32	98.5	650	83	11441	19664	4679	9621	14300
LG32	98.7	BDL	91	15185	33787	5041	16327	21368
LG32	98.7	508	32	1256	576	840	1342	2182
LG32	98.9	1725	67	8464	11897	1996	6204	8199
LG32	99.1	521	57	1818	2688	BDL	1458	1458
LG32	99.3	833	123	17727	27312	3255	9949	13203
LG32	99.5	807	125	3425	2542	1448	3273	4721
LG32	99.7	3497	261	108846	126944	10492	31656	42148
LG32	99.9	7071	73	5199	6681	835	3492	4327
LG32	100.1	623	40	1515	1481	BDL	2689	2689
LG32	100.3	1413	85	2247	6646	699	3760	4459
LG32	100.5	514	115	9700	17788	2733	8212	10945
LG32	100.7	782	36	289	472	BDL	BDL	
LG32	100.9	401	31	386	559	BDL	782	782
LG32	101.1	888	36	308	806	BDL	BDL	
LG32	101.3	644	26	481	786	BDL	1008	1008
LG32	101.5	1968	39	862	1524	742	1434	2175
LG32	101.7	1373	52	2172	3269	BDL	2358	2358
LG32	101.9	2280	47	1087	1859	836	1885	2721
LG32	102.1	485	28	320	555	BDL	873	873
LG32	102.3	911	35	660	906	BDL	1152	1152
LG32	102.5	1286	59	1584	2834	BDL	1544	1544
LG32	102.7	1475	125	11491	13491	1612	7313	8925
LG32	102.9	628	54	730	1389	BDL	1687	1687
LG32	103.1	485	79	1071	1701	1288	3054	4342
LG32	103.3	513	76	634	1306	BDL	1798	1798
LG32	103.5	473	69	533	1141	501	1124	1625
LG32	103.7	440	68	707	1473	1167	1943	3110
LG32	103.9	423	47	805	1253	BDL	1181	1181
LG32	104.1	432	85	867	1962	710	2208	2918
LG32	104.3	542	86	1027	1526	BDL	2588	2588
LG32	104.5	535	97	536	1020	632	1267	1899
LG32	104.5	655	85	1573	2502	1010	2493	3503
LG32	104.5	685	76	1197	2187	892	1870	2762
LG32	104.7	666	76	2297	4194	1061	3258	4319
LG32	104.9	628	97	1205	1834	831	2411	3242
LG32	105.1	591	115	777	1555	806	2210	3016
LG32	105.3	543	108	658	1382	1094	2125	3219
LG32	105.5	609	83	695	1220	BDL	1581	1581
LG32	105.7	538	79	958	2093	1179	2690	3869
LG32	105.9	577	103	811	1656	BDL	2487	2487
LG32	106.1	528	79	1066	1912	BDL	2374	2374
LG32	106.3	557	94	902	1590	BDL	1993	1993
LG32	106.5	495	74	467	777	BDL	BDL	
LG32	106.7	550	88	682	1220	621	1679	2300
LG32	106.9	518	88	956	1809	893	1470	2363
LG32	107.1	529	82	881	1896	BDL	1641	1641
LG32	107.3	518	77	930	1753	BDL	1693	1693
LG32	107.5	459	75	1249	2650	1119	3095	4214
LG32	107.7	437	85	1355	2422	896	2077	2973
LG32	107.9	661	54	4446	6678	1157	3625	4781
LG32	108.1	452	75	2235	3158	BDL	2169	2169
LG32	108.3	202	129	1687	2883	869	2180	3048
LG32	108.5	820	49	1596	2695	817	1836	2653
LG32	108.7	607	89	954	1910	650	2197	2847
LG32	108.9	3236	80	5006	9740	2364	5359	7723
LG32	109.1	933	26	1416	2074	BDL	1307	1307
LG32	109.3	316		BDL	569	BDL	991	991
LG32	109.5	589	66	991	2014	982	2577	3559
LG32	109.7	1341	101	1127	1997	BDL	865	865
LG32	109.9	828	30	898	1584	1348	2134	3482
LG32	110.1	619	39	5296	7552	1211	3366	4578
LG32	110.3	272	32	5267	7679	964	1845	2809
LG32	110.5	172		BDL	337	468	758	1226
LG32	110.7	330	29	412	735	BDL	1079	1079
LG32	110.9	337	55	1928	3603	1255	3067	4323
LG32	111.1	411	48	1428	2659	BDL	2902	2902
LG32	111.3	119	81	13563	20771	1634	7690	9324
LG32	111.5	629	46	7365	9050	1279	3382	4661
LG32	111.7	1969	15	858	1578	BDL	1953	1953
LG32	111.9	339	9	1784	2565	715	1785	2500
LG32	112.1	12575	9	BDL	370	389	1117	1506
LG32	112.3	2875	18	1113	1891	608	1657	2265

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG32	112.5	718		871	1802	560	1557	2118
LG32	112.7	1761	32	4025	6570	1054	3415	4469
LG32	112.9	2010	41	2839	4743	BDL	BDL	
LG32	113.1	1604	162	8031	12206	1780	7598	9379
LG32	113.3	1755	69	8025	12977	3103	7884	10987
LG32	113.5	583	99	1289	3065	1443	3243	4686
LG32	113.7	1180	58	1211	2423	1109	2678	3787
LG32	113.9	330	80	474	1188	957	1711	2668
LG32	114.1	576	97	1207	1788	BDL	1213	1213
LG32	114.3	625	104	922	1800	986	1707	2693
LG32	114.5	558	95	802	1440	BDL	1627	1627
LG32	114.7	498	103	577	1346	659	1719	2379
LG32	114.9	538	84	939	1666	BDL	1546	1546
LG32	115.1	405	81	811	1317	1415	2791	4206
LG32	115.3	597	97	1408	2901	1263	2884	4147
LG32	115.5	572	144	1434	3410	2685	6455	9140
LG32	115.7	52	49	2551	3699	1688	4751	6440
LG32	115.9	215	183	10690	14937	1728	4849	6577
LG32	116.1	381	86	2606	4858	1667	3861	5529
LG32	116.3	1288	155	6024	10026	4303	6988	11290
LG32	116.5	693	125	1654	2474	BDL	BDL	
LG32	116.7	709	164	2653	4233	2121	4475	6596
LG32	116.9	733	148	1890	4169	BDL	5671	5671
LG32	117.1	645	152	1305	3448	2638	3385	6023
LG32	117.3	560	114	1690	4376	2350	6628	8978
LG32	117.5	560	130	2151	4894	BDL	5971	5971
LG32	117.7	619	99	2434	4848	2250	6484	8734
LG32	117.9	493	104	1810	4810	BDL	6816	6816
LG32	118.3	624	118	1738	3848	2051	7501	9552
LG32	118.5	552	96	2486	5415	BDL	6017	6017
LG32	118.7	1206	98	6924	10004	BDL	BDL	
LG32	118.9	1287	90	4148	7376	BDL	5020	5020
LG32	119.1	1683	171	21012	30663	5170	11001	16171
LG32	119.3	1399	173	19420	31243	3745	14876	18621
LG32	119.5	920	188	17777	28451	4111	11430	15541
LG32	119.7	567	451	14517	26469	3638	13177	16815
LG32	119.9	680	197	16396	25201	3479	9959	13438
LG32	120.1	536	198	14860	22277	2558	8592	11150
LG32	120.3	1656	246	10490	16356	2218	5539	7756
LG32	120.5	1523	354	37297	46350	4264	13654	17919
LG32	120.7	1878	262	15505	21221	3509	6704	10213
LG32	120.9	1227	515	8402	10228	3018	5505	8523
LG32	121.1	1446	601	11427	16010	3384	8291	11675
LG32	121.3	926	314	6188	9396	2187	5451	7639
LG32	121.5	1406	1058	5876	7125	2360	7678	10038
LG32	121.7	6661	248	58347	71631	7645	23590	31235
LG32	121.9	4759	133	8247	16536	2907	7270	10177
LG32	122.1	4896	116	8669	18034	BDL	6936	6936
LG32	122.3	5787	395	20978	39063	4979	17071	22050
LG32	122.5	4011	218	22584	42285	6306	15086	21392
LG32	122.7	2942	107	8027	16526	3512	9373	12884
LG32	122.9	503	91	2143	3632	1113	3109	4222
LG32	123.1	1972	84	6326	11151	2710	7663	10373
LG32	123.3	2623	85	6193	12979	2229	6268	8497
LG32	123.5	2644	95	5724	11265	2503	7832	10336
LG32	123.7	726	41	5632	9022	2235	7389	9624
LG32	123.9	1156	64	3538	6576	2039	4624	6663
LG32	124.1	446		2275	4359	1439	2429	3868
LG32	124.3	516	24	5016	9130	1844	6840	8685
LG32	124.5	432	26	6750	12416	3790	6814	10604
LG32	124.7	108	37	BDL	1925	BDL	BDL	
LG32	124.9	1558	89	3894	8379	2900	5458	8357
LG32	125.1	180	64	5293	10384	BDL	6992	6992
LG32	125.3	1749	50	1096	2529	1267	5528	6796
LG32	125.5	2925	62	1726	3192	BDL	2532	2532
LG32	125.7	366	35	512	637	735	1222	1958
LG32	126.1	1471	40	1647	2745	BDL	1603	1603
LG32	126.3	2076	46	610	1028	905	1810	2715
LG32	126.5	4614	31	1659	3510	2250	BDL	2250
LG32	126.7	1444	39	1010	2082	1599	3641	5240
LG32	126.9	1387	43	1305	2014	BDL	2484	2484
LG32	127.1	1415	45	1466	2391	990	2859	3849
LG32	127.1	1436	46	1387	2493	BDL	1928	1928
LG32	127.3	659	37	456	738	BDL	1475	1475
LG32	127.5	765	28	766	1328	969	2258	3227

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG32	127.7	438	42	384	549	BDL	1457	1457
LG32	127.9	386	18	725	1034	BDL	1399	1399
LG32	128.1	646	41	1206	1789	1222	2114	3337
LG32	128.3	1184	76	7525	16183	2321	7090	9411
LG32	128.5	2798	94	8249	13875	2263	6253	8516
LG32	128.7	3264	67	1009	2287	1429	3571	5000
LG32	128.9	1609	73	2853	4947	1340	4780	6120
LG32	129.1	1770	84	4928	10623	1901	5457	7358
LG32	129.3	819	52	1202	3850	2307	4341	6648
LG32	129.5	1377	52	BDL	BDL	BDL	BDL	
LG32	129.7	1165	52	1512	4185	BDL	5927	5927
LG32	129.9	933	70	2892	5231	BDL	3735	3735
LG32	130.1	1983	84	3575	7056	2203	6088	8291
LG32	130.3	2645	91	2674	5456	BDL	3834	3834
LG32	130.5	1202	123	5941	11296	1861	7133	8994
LG32	130.7	506	76	7473	13611	2539	8189	10728
LG32	130.9	1090	26	BDL	1305	1701	BDL	1701
LG32	131.1	544	69	672	1493	502	779	1281
LG32	131.3	412	80	693	1552	BDL	BDL	
LG32	131.5	386	97	755	1672	534	874	1408
LG32	131.7	358	70	479	962	BDL	797	797
LG32	131.9	600	92	1485	3271	979	2122	3101
LG32	132.1	817	82	2212	3967	1062	3728	4790
LG32	132.3	887	89	1721	3702	878	3424	4302
LG32	132.5	762	91	1781	3728	1794	3106	4900
LG32	132.7	1590	97	4806	9688	1913	7790	9703
LG32	132.9	1891	95	4314	9178	1908	6202	8110
LG32	133.1	1697	90	4612	9859	2491	6227	8718
LG32	133.3	1679	68	3710	6819	1963	5400	7363
LG32	133.5	1563	66	4118	8561	1944	5199	7143
LG32	133.7	1871	139	10950	21604	4008	11840	15848
LG32	133.9	2285	138	5952	12942	2566	8563	11129
LG32	134.1	2178	99	4707	10976	2317	6662	8979
LG32	134.3	1232	67	2374	5522	1777	4661	6439
LG32	134.5	2953	56	1899	2998	1355	3400	4755
LG32	134.7	1343	50	1175	2630	1201	2698	3899
LG32	134.9	2013	59	3637	7710	1437	6379	7816
LG32	135.1	1287	58	1930	4069	BDL	BDL	
LG32	135.3	420	34	434	1053	BDL	1337	1337
LG32	135.5	1139	81	1951	4357	982	2695	3677
LG32	135.7	1055	48	453	881	BDL	710	710
LG32	135.9	1893	47	621	1440	694	1546	2240
LG32	136.1	1094	57	1279	2387	981	2127	3108
LG32	136.3	728	96	1162	2409	BDL	2017	2017
LG32	136.5	642	74	838	1413	BDL	943	943
LG32	136.7	1025	164	1716	2886	BDL	3169	3169
LG32	136.9	954	147	1405	2375	777	1907	2684
LG32	137.1	807	81	1037	2227	1217	BDL	1217
LG32	137.3	3705	401	3070	6181	1212	5041	6252
LG32	137.5	2609	177	6338	12698	3044	8880	11924
LG32	137.7	1173	168	3672	7740	2328	5243	7570
LG32	137.9	1081	135	5488	12411	1957	10045	12002
LG32	138.1	1042	168	5789	10762	1820	5997	7817
LG32	138.3	1235	207	5652	11411	2051	6332	8382
LG32	138.5	1824	212	8915	16032	3285	8877	12161
LG32	138.7	1112	256	5281	9516	1473	4457	5931
LG32	138.9	1700	180	6195	11955	3132	6471	9603
LG32	139.1	1593	372	15287	28166	3163	12946	16109
LG32	139.3	2046	397	12244	24322	3271	12433	15703
LG32	139.5	2237	690	12643	24212	2978	10807	13786
LG32	139.7	2794	547	9343	18395	3484	9528	13012
LG32	139.9	7915	880	40605	86758	11070	39497	50567
LG32	140.1	4053	347	11022	21154	2357	10978	13335
LG32	140.7	3519	407	12654	24408	4006	13410	17415
LG32	140.9	4926	752	14581	29214	4146	13931	18077
LG32	141.1	3122	285	10907	22237	3668	9998	13666
LG32	141.3	2256	391	15515	29921	4260	12803	17063
LG32	141.5	1638	714	18784	36878	3300	15685	18985
LG32	141.7	452	182	2281	4633	2366	6748	9114
LG32	141.9	594	43	2867	2432	BDL	4137	4137
LG32	142.1	744	480	3010	5805	BDL	4832	4832
LG32	142.3	650	207	1475	3588	BDL	BDL	
LG32	142.5	1514	1018	3767	9884	2523	8441	10964
LG32	142.7	967	406	1468	3308	2472	4940	7412
LG32	142.9	1452	267	4031	7478	2611	4811	7422

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG32	143.1	2817	3216	6648	12460	2492	7914	10406
LG32	143.3	7947	62	3113	6449	1648	3793	5441
LG32	143.5	3176	28	933	1591	713	1804	2516
LG32	143.7	333	76	593	1730	1291	3089	4380
LG32	143.9	544	30	1211	2454	1663	2431	4094
LG32	144.1	535	48	475	1008	BDL	2395	2395
LG32	144.3	444	36	1128	9308	976	3097	4073
LG32	144.5	453	59	1862	3982	1119	2441	3559
LG32	144.7	415	28	411	759	1194	2373	3566
LG32	144.9	370	18	BDL	806	1032	2226	3258
LG32	145.1	764	837	1693	5431	BDL	6681	6681
LG32	145.3	1990	683	7448	14204	3872	8688	12559
LG32	145.5	1192	305	4359	8845	1279	5011	6289
LG32	145.7	774	47	458	910	681	1995	2677
LG32	145.9	298	18	351	636	434	887	1321
LG32	146.1	229	143	314	465	BDL	BDL	
LG32	146.3	486	31	283	1103	810	2139	2949
LG32	146.5	563	66	594	1043	552	1229	1781
LG32	146.7	664	65	937	1949	586	1267	1853
LG32	146.9	951	269	1252	2561	755	1988	2744
LG32	147.1	660	109	830	1538	584	1457	2041
LG32	147.3	447	34	257	538	BDL	BDL	
LG32	147.5	165	36	BDL	359	BDL	BDL	
LG32	147.7	220	84	269	605	511	BDL	511
LG32	147.9	2414	93	659	1365	BDL	1329	1329
LG32	148.1	833	116	3534	7665	BDL	3053	3053
LG32	148.3	198	61	5254	11842	2980	BDL	2980
LG32	148.5	3403	210	8020	13149	1398	6144	7542
LG32	148.7	483	81	419	979	BDL	1174	1174
LG32	148.9	838	100	708	1794	1463	2734	4197
LG32	149.1	377	37	BDL	648	948	BDL	948
LG32	149.3	658	106	1885	3831	1105	3728	4833
LG32	149.5	331	63	402	780	BDL	776	776
LG32	149.7	894	156	824	1458	BDL	995	995
LG32	149.9	767	158	807	1281	BDL	1094	1094
LG32	150.1	356	93	714	1084	BDL	1201	1201
LG32	150.3	398	54	371	741	BDL	637	637
LG32	150.5	321	46	428	635	BDL	707	707
LG32	150.7	249	65	480	719	BDL	887	887
LG32	150.9	360	45	428	813	591	1649	2240
LG32	151.1	420	77	554	888	BDL	975	975
LG32	151.3	407	70	531	847	BDL	630	630
LG32	151.5	920	141	1025	2042	608	1851	2459
LG32	151.7	574	73	186	282	BDL	377	377
LG32	151.9	1005	104	401	709	BDL	463	463
LG32	152.1	498	104	719	1540	BDL	1210	1210
LG32	152.3	473	100	549	1366	460	1448	1908
LG32	152.5	514	105	611	1427	458	1155	1614
LG32	152.7	700	131	911	1760	575	1217	1792
LG32	152.9	649	117	318	745	399	842	1241
LG32	153.1	820	162	1196	2156	BDL	1446	1446
LG32	153.3	466	64	620	1030	423	904	1327
LG32	153.5	204	141	475	1079	BDL	761	761
LG32	153.7	701	191	347	654	BDL	611	611
LG32	153.9	222	66	163	439	BDL	469	469
LG32	154.1	217	91	408	688	BDL	BDL	
LG32	154.3	376	28	312	629	BDL	BDL	
LG32	154.5	243	40	678	1122	BDL	1001	1001
LG32	154.7	1539	103	1517	3057	840	1829	2669
LG32	154.9	467	41	1229	2050	891	2087	2978
LG32	155.1	648	67	1036	2018	711	2157	2867
LG32	155.3	731	233	1100	1942	728	1502	2230
LG32	155.5	1229	103	3899	7238	1948	5884	7833
LG32	155.7	255	44	687	1146	BDL	BDL	
LG32	155.9	712	173	649	1551	676	1129	1806
LG32	156.1	548	52	518	1014	BDL	949	949
LG32	156.3	274	49	768	1516	627	1262	1889
LG32	156.5	250	35	1147	1754	BDL	1278	1278
LG32	156.7	235	32	1260	1571	BDL	826	826
LG32	156.9	402	21	BDL	642	453	970	1422
LG32	157.1	227	41	721	1318	583	979	1562
LG32	157.3	212	54	272	434	348	669	1017
LG32	157.5	1971	488	569	1163	400	1201	1601
LG32	157.7	124	45	326	693	BDL	516	516
LG32	157.9	192	22	584	858	517	759	1276

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG32	158.1	159	20	748	1241	BDL	841	841
LG32	158.3	428	235	313	BDL	BDL	BDL	
LG32	158.5	448	99	402	476	BDL	BDL	
LG32	158.7	190	66	1343	2136	BDL	2030	2030
LG32	158.9	443	29	191	393	458	705	1163
LG32	159.1	372	20	398	789	579	1623	2202
LG32	159.3	435	34	303	637	BDL	1142	1142
LG32	159.5	378	27	BDL	661	BDL	1073	1073
LG32	159.7	329	39	347	1009	709	1545	2253
LG32	159.9	358	51	352	429	BDL	855	855
LG32	160.1	344	67	428	760	642	1467	2109
LG32	160.3	343	36	242	782	BDL	993	993
LG32	160.5	407	24	211	511	543	917	1460
LG32	160.7	280	35	777	1185	550	1307	1857
LG32	160.9	182	375	444	521	BDL	865	865
LG32	161.1	301	20	BDL	797	533	1294	1827
LG32	161.3	13847	47	5873	10625	1473	4543	6016
LG32	161.5	401	27	577	1456	BDL	1122	1122
LG32	161.7	548	16	334	719	BDL	790	790
LG32	161.9	243	35	1608	3027	BDL	2126	2126
LG32	162.1	575	87	3780	9734	1350	5584	6933
LG32	162.3	219	112	2079	4305	481	2121	2602
LG32	162.5	66	156	24788	42229	5533	17657	23190
LG32	162.7	36	30	1047	1844	BDL	2088	2088
LG32	162.9	1681	23	BDL	1071	BDL	2022	2022
LG32	163.1	27	42	BDL	2192	BDL	BDL	
LG32	163.3	BDL	29	347	1275	996	2087	3083
LG32	163.5	21	252	741	1366	437	1098	1535
LG32	163.7	349	79	3528	6096	BDL	4548	4548
LG32	163.9	47	150	2458	5919	699	2986	3685
LG32	164.1	25	250	722	1468	534	712	1246
LG42	4.3	543	65	600	1038	BDL	556	556
LG42	4.6	309	59	576	1098	BDL	468	468
LG42	4.9	239	63	537	960	BDL	482	482
LG42	5.2	240	64	540	1117	BDL	BDL	
LG42	5.5	252	58	298	735	BDL	BDL	
LG42	5.8	215	56	554	961	BDL	BDL	
LG42	6.1	219	58	315	818	BDL	454	454
LG42	6.4	196	51	238	471	BDL	328	328
LG42	6.7	205	52	425	838	BDL	BDL	
LG42	7	202	55	403	817	BDL	BDL	
LG42	7.3	208	57	529	957	BDL	BDL	
LG42	7.6	219	59	478	968	BDL	BDL	
LG42	7.9	195	53	333	685	BDL	387	387
LG42	8.2	245	54	362	780	BDL	BDL	
LG42	8.5	229	55	488	973	BDL	509	509
LG42	8.8	208	62	540	1135	359	BDL	359
LG42	9.1	238	64	650	1011	BDL	BDL	
LG42	9.4	248	65	532	917	BDL	BDL	
LG42	9.7	218	60	573	1140	BDL	671	671
LG42	10	226	63	402	827	BDL	454	454
LG42	10.3	231	62	435	1042	BDL	735	735
LG42	10.6	276	69	319	640	BDL	609	609
LG42	10.9	257	67	406	838	BDL	BDL	
LG42	13	220	81	523	1015	BDL	584	584
LG42	13.3	227	68	597	1122	BDL	601	601
LG42	13.6	251	65	462	777	BDL	490	490
LG42	13.9	256	61	553	1084	BDL	BDL	
LG42	14.2	234	64	479	880	BDL	BDL	
LG42	14.5	232	65	552	1123	BDL	957	957
LG42	14.8	223	60	455	778	BDL	BDL	
LG42	15.1	239	65	428	921	BDL	BDL	
LG42	15.4	244	58	501	838	413	838	1252
LG42	15.7	220	57	422	842	BDL	BDL	
LG42	16	230	62	510	875	BDL	BDL	
LG42	16.3	200	61	410	873	BDL	BDL	
LG42	16.6	243	59	489	927	BDL	832	832
LG42	16.9	263	63	283	555	BDL	BDL	
LG42	17.2	247	63	340	720	BDL	592	592
LG42	17.5	227	58	363	766	BDL	BDL	
LG42	17.8	267	60	425	1081	BDL	566	566
LG42	18.1	211	57	429	994	BDL	550	550
LG42	18.4	231	61	571	1170	BDL	799	799
LG42	18.7	215	59	335	735	BDL	BDL	
LG42	19	221	63	404	972	BDL	BDL	

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG42	19.3	211	57	309	643	BDL	BDL	
LG42	19.6	294	66	648	979	BDL	BDL	
LG42	19.9	212	64	653	1267	BDL	BDL	
LG42	20.2	235	63	613	1194	BDL	763	763
LG42	20.5	209	61	585	1039	BDL	878	878
LG42	20.8	218	59	349	890	BDL	640	640
LG42	21.1	222	64	475	947	BDL	BDL	
LG42	21.4	195	57	430	908	356	525	881
LG42	21.7	206	60	369	837	BDL	BDL	
LG42	22	192	56	486	887	BDL	471	471
LG42	22.3	195	59	297	603	BDL	BDL	
LG42	22.6	198	58	382	1047	340	BDL	340
LG42	22.9	210	60	306	662	BDL	413	413
LG42	23.2	196	59	410	845	BDL	490	490
LG42	23.5	188	64	436	960	BDL	732	732
LG42	23.8	179	59	301	552	BDL	BDL	
LG42	24.1	190	64	454	1043	BDL	BDL	
LG42	24.4	182	62	468	1059	BDL	BDL	
LG42	24.7	209	68	461	956	BDL	662	662
LG42	25	196	61	320	527	BDL	362	362
LG42	25.3	232	67	560	1038	BDL	578	578
LG42	25.6	230	67	295	582	BDL	549	549
LG42	25.9	192	62	348	802	328	BDL	328
LG42	26.2	178	69	298	678	BDL	395	395
LG42	26.5	196	57	417	689	BDL	BDL	
LG42	26.8	169	62	471	976	349	BDL	349
LG42	27.1	180	63	473	905	BDL	BDL	
LG42	27.4	176	64	414	903	BDL	BDL	
LG42	27.7	186	65	425	993	356	708	1065
LG42	28	187	64	418	775	BDL	484	484
LG42	28.3	180	64	310	632	434	603	1036
LG42	28.6	183	67	521	1014	346	478	824
LG42	28.9	196	68	335	842	BDL	734	734
LG42	29.2	194	77	189	303	BDL	252	252
LG42	29.5	190	68	324	797	337	575	912
LG42	29.8	206	69	391	906	BDL	533	533
LG42	30.1	200	67	473	1090	BDL	512	512
LG42	30.4	204	67	284	857	BDL	BDL	
LG42	30.7	200	80	454	1104	BDL	668	668
LG42	31	200	73	407	866	BDL	565	565
LG42	31.3	203	76	362	880	BDL	456	456
LG42	31.6	211	74	428	773	BDL	554	554
LG42	31.9	223	70	285	694	BDL	564	564
LG42	32.2	222	74	293	653	BDL	661	661
LG42	32.5	229	72	468	850	BDL	BDL	
LG42	32.8	231	66	436	1040	BDL	BDL	
LG42	33.1	238	70	410	747	BDL	455	455
LG42	33.4	235	76	384	823	BDL	576	576
LG42	33.7	258	73	371	808	BDL	552	552
LG42	34	248	73	362	817	BDL	BDL	
LG42	34.3	240	85	346	835	BDL	738	738
LG42	34.6	265	86	466	898	BDL	BDL	
LG42	34.9	274	96	625	1060	BDL	BDL	
LG42	35.2	245	100	401	999	BDL	457	457
LG42	35.5	251	120	424	883	BDL	421	421
LG42	35.8	264	92	624	1141	BDL	BDL	
LG42	36.1	290	88	561	1159	BDL	531	531
LG42	36.4	259	79	486	1023	BDL	BDL	
LG42	36.7	272	77	520	1222	491	543	1034
LG42	37	267	79	497	1015	BDL	752	752
LG42	37.3	282	99	556	1348	391	BDL	391
LG42	37.6	277	79	420	953	BDL	BDL	
LG42	37.9	292	76	651	1324	445	890	1335
LG42	38.2	294	68	545	1186	BDL	631	631
LG42	38.5	282	67	678	1315	BDL	BDL	
LG42	38.8	256	69	499	1371	407	574	980
LG42	39.1	258	72	459	826	BDL	BDL	
LG42	39.4	291	67	423	860	338	BDL	338
LG42	39.7	302	76	492	1092	BDL	557	557
LG42	40	270	72	711	1545	BDL	BDL	
LG42	40.3	258	72	558	1229	BDL	686	686
LG42	40.6	277	74	752	1427	BDL	646	646
LG42	40.9	266	75	447	998	BDL	580	580
LG42	41.2	281	80	492	966	BDL	BDL	
LG42	41.5	290	79	519	1292	BDL	644	644

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG42	41.8	339	86	698	1446	BDL	BDL	
LG42	42.1	360	80	542	1390	BDL	820	820
LG42	42.4	336	86	733	1418	BDL	BDL	
LG42	42.7	317	87	476	1058	BDL	481	481
LG42	43	298	83	524	1130	BDL	641	641
LG42	43.3	314	85	511	988	BDL	BDL	
LG42	43.6	299	85	538	1272	BDL	476	476
LG42	43.9	310	77	684	1586	BDL	799	799
LG42	44.2	299	76	648	1376	BDL	BDL	
LG42	44.5	307	83	626	1440	BDL	539	539
LG42	44.8	291	83	479	1013	389	635	1024
LG42	45.1	317	78	859	1656	BDL	BDL	
LG42	45.4	313	82	904	1703	BDL	627	627
LG42	45.7	354	74	720	1688	BDL	880	880
LG42	46	309	51	821	1572	BDL	676	676
LG42	46.3	368	59	769	1313	BDL	BDL	
LG42	46.6	374	54	613	1096	BDL	BDL	
LG42	46.9	568	30	525	1156	BDL	536	536
LG42	47.2	309	70	937	1900	BDL	603	603
LG42	47.5	414	29	449	779	BDL	722	722
LG42	47.8	403	30	357	528	BDL	622	622
LG42	48.1	351	39	536	970	BDL	595	595
LG42	48.4	324	35	316	542	BDL	BDL	
LG42	48.7	419	32	320	619	BDL	BDL	
LG42	49	360	43	1115	2029	497	BDL	497
LG42	49.3	411	38	616	1179	BDL	BDL	
LG42	49.6	392	36	644	862	BDL	BDL	
LG42	49.9	360	31	1025	1550	BDL	BDL	
LG42	50.4	343	30	301	639	BDL	1091	1091
LG42	50.6	417	26	200	466	319	BDL	319
LG42	50.8	427	27	473	668	BDL	BDL	
LG42	51	510	30	587	1006	BDL	BDL	
LG42	51.2	455	33	539	1016	BDL	BDL	
LG42	51.4	392	27	649	957	BDL	BDL	
LG42	51.6	235	20	BDL	267	412	BDL	412
LG42	51.8	433	30	769	1156	BDL	BDL	
LG42	52	452	37	1332	2277	464	699	1163
LG42	52.2	334	31	2672	4114	BDL	1088	1088
LG42	52.4	217	22	1739	3027	BDL	BDL	
LG42	52.6	161	30	1167	1907	600	1305	1906
LG42	52.8	636	42	2554	4926	585	853	1437
LG42	53	492	47	3316	5483	523	1314	1837
LG42	53.2	538	17	458	657	BDL	635	635
LG42	53.4	489	42	3574	5468	760	2119	2879
LG42	53.6	1220	97	20579	30860	3187	9075	12262
LG42	53.8	846	213	28641	36066	3597	11558	15155
LG42	54	948	366	37388	48322	4824	14590	19414
LG42	54.2	741	226	23939	36049	3741	11027	14767
LG42	54.4	688	277	23513	33027	3016	10038	13053
LG42	54.6	708	180	20284	32839	2986	9048	12033
LG42	54.8	641	178	21401	35345	2389	9557	11946
LG42	55	521	138	10744	18197	1426	4529	5955
LG42	55.2	52	26	2507	4195	598	1317	1915
LG42	55.4	231	58	578	1068	BDL	BDL	
LG42	55.6	621	147	13446	22555	2044	6274	8318
LG42	55.8	400	64	1460	2838	515	1104	1619
LG42	56	622	108	3889	5624	550	1658	2208
LG42	56.2	825	168	26523	38163	3119	10006	13125
LG42	56.4	833	126	17537	24554	2430	7625	10055
LG42	56.6	695	94	10910	15371	1810	5365	7175
LG42	56.8	1056	139	29424	42372	4346	12981	17327
LG42	57	740	105	18985	26450	2799	7454	10253
LG42	57.2	474	79	18658	31891	4030	10823	14854
LG42	57.4	848	123	13326	20668	2150	6724	8874
LG42	57.6	1235	164	16135	22724	2628	7631	10259
LG42	57.8	936	97	71871	91842	7149	18463	25612
LG42	58	2797	88	1566	2429	382	872	1253
LG42	58.2	846	49	831	1377	BDL	532	532
LG42	58.4	540	117	18042	29851	3292	9909	13201
LG42	58.6	600	121	4166	6027	BDL	2098	2098
LG42	58.8	735	118	25917	37780	3770	11397	15168
LG42	59	1136	85	6742	10495	962	3066	4028
LG42	59.2	620	559	50320	55543	9045	25966	35011
LG42	59.4	736	181	8934	11460	1676	5434	7110
LG42	59.6	379	99	14888	25034	3647	10062	13709

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG42	59.8	196	73	6435	9011	1381	2889	4270
LG42	60	25	38	2693	3621	BDL	732	732
LG42	60.2	319	49	1601	2745	BDL	BDL	
LG42	60.4	538	83	5390	7331	BDL	2065	2065
LG42	60.6	686	120	7167	5486	1102	2746	3848
LG42	60.8	639	90	6923	6795	902	3271	4173
LG42	61	282	120	7586	9629	925	3792	4717
LG42	61.2	567	134	1951	4723	BDL	1986	1986
LG42	61.4	756	147	3111	4896	790	2306	3095
LG42	61.6	644	101	1881	3401	BDL	1587	1587
LG42	61.8	496	76	3385	5160	1622	4756	6378
LG42	62	355	269	3057	7506	764	2768	3532
LG42	62.2	642	124	4092	5682	735	2386	3121
LG42	62.4	293	254	2729	5320	BDL	BDL	
LG42	62.6	578	218	3546	5985	1551	4012	5563
LG42	62.8	609	73	1122	1906	BDL	1078	1078
LG42	63	737	93	914	2352	BDL	1383	1383
LG42	63.2	629	106	1755	3859	655	1799	2454
LG42	63.4	535	134	4113	9641	1349	3886	5235
LG42	63.6	423	105	1205	2636	BDL	1025	1025
LG42	63.8	454	261	3588	12616	737	2406	3143
LG42	64	275	1235	6788	38197	1576	6108	7684
LG42	64.2	449	347	3446	12256	1170	3150	4320
LG42	64.4	612	140	782	3650	BDL	1232	1232
LG42	64.6	587	123	842	3221	BDL	1315	1315
LG42	64.8	367	110	895	2712	665	1590	2254
LG42	65	349	100	398	3088	BDL	BDL	
LG42	65.2	468	80	762	3428	BDL	952	952
LG42	65.4	431	181	776	2987	BDL	1956	1956
LG42	65.6	370	169	525	3356	BDL	1719	1719
LG42	65.8	658	284	12454	19624	1789	6527	8315
LG42	66	374	182	3043	4560	1137	3061	4197
LG42	66.2	356	136	2175	3495	1133	2978	4111
LG42	66.4	400	88	3642	6724	1314	3612	4926
LG42	66.6	664	114	31386	46897	6021	17106	23127
LG42	66.8	619	99	35752	51976	5212	18382	23594
LG42	67	646	118	47874	80884	7810	23292	31102
LG42	67.2	831	175	49121	70799	6684	18956	25640
LG42	67.4	838	138	65469	93089	8056	23295	31351
LG42	67.6	907	153	72612	102301	11453	27835	39288
LG42	67.8	677	170	49532	71351	7798	21205	29003
LG42	68	335	112	23344	36180	4593	13202	17795
LG42	68.2	385	244	56772	78481	8204	21843	30047
LG42	68.4	230	114	28759	51805	6412	20865	27277
LG42	68.6	575	165	27898	42737	5809	13253	19062
LG42	68.8	711	234	21670	36404	4827	14343	19171
LG42	69	549	219	32835	51560	4500	16800	21300
LG42	69.2	630	214	32826	50526	5060	16400	21460
LG42	69.4	940	118	25864	43716	4156	13348	17504
LG42	69.6	354	122	11564	17660	4236	8794	13030
LG42	69.8	735	215	37157	54980	5968	19533	25501
LG42	70	419	179	38616	57208	6341	20441	26782
LG42	70.2	365	94	7004	13817	2143	7994	10138
LG42	70.4	548	129	18822	31229	3654	11558	15213
LG42	70.6	1076	270	34648	52727	6084	19678	25762
LG42	70.6	183	139	8485	12789	1580	6539	8119
LG42	70.8	515	146	22348	33078	3603	11973	15576
LG42	71	946	248	36541	53168	6048	20865	26913
LG42	71.2	609	135	9895	17815	3201	8769	11970
LG42	71.4	876	164	15116	21925	2506	7957	10463
LG42	71.6	243	90	5001	10912	2162	6752	8915
LG42	71.8	696	96	2825	6842	1441	4674	6114
LG42	72	316	94	6995	12921	2085	6690	8776
LG42	72.2	1602	207	17603	33306	4860	13190	18050
LG42	72.4	1164	170	24440	40206	4844	14376	19220
LG42	72.6	405	233	26499	39980	5278	12800	18078
LG42	72.8	614	227	38369	52831	4530	14347	18876
LG42	73	1604	196	35497	51596	5495	15562	21057
LG42	73.2	442	88	1005	1946	621	1398	2018
LG42	73.4	749	152	17374	28783	3283	10267	13551
LG42	73.6	823	168	19982	35442	4263	13200	17463
LG42	73.8	386	129	17608	28384	3613	12290	15904
LG42	74	1526	202	16020	25132	2376	8304	10680
LG42	74.2	1008	211	28363	43359	5744	16112	21857
LG42	74.4	1098	139	20464	31457	4090	12418	16508

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG42	74.6	833	250	50619	75225	6218	21578	27796
LG42	74.8	708	219	37170	57186	6079	18922	25000
LG42	75	1109	196	33879	50245	5392	15966	21358
LG42	75.2	845	217	18612	27572	2333	8754	11087
LG42	75.4	917	283	32043	45874	4427	13869	18296
LG42	75.6	997	173	31132	49288	4666	19397	24062
LG42	75.8	583	271	42683	66592	6829	22911	29740
LG42	76	640	190	34758	54287	4857	16632	21489
LG42	76.2	585	186	19885	28642	2505	11077	13582
LG42	76.4	921	288	43514	60959	6331	18695	25026
LG42	76.6	1675	406	47731	76668	7391	27675	35066
LG42	76.8	454	328	42510	58175	6162	16843	23005
LG42	77	325	154	18238	27265	3748	9906	13654
LG42	77.2	350	269	65294	91503	8393	25035	33427
LG42	77.4	404	426	112605	152820	14543	45173	59716
LG42	77.6	545	271	49835	77886	8031	24931	32962
LG42	77.8	632	143	6302	9146	951	3407	4357
LG42	78	294	277	81917	111965	11395	31812	43207
LG42	78.2	331	271	45912	70085	6671	20782	27453
LG42	78.4	921	249	18291	27528	2427	9760	12187
LG42	78.6	584	147	14202	21874	2742	7059	9801
LG42	78.8	1111	238	21560	35897	3036	13808	16844
LG42	79	564	123	7492	12686	1324	5524	6848
LG42	79.2	852	201	29029	46104	5434	18577	24011
LG42	79.4	877	234	26681	43547	5794	15492	21286
LG42	79.6	1592	170	12002	21170	4170	9895	14065
LG42	79.8	1864	189	37706	59487	7346	20336	27682
LG42	80	981	163	5655	10634	2059	5249	7308
LG42	80.4	592	152	27880	47723	5371	18632	24003
LG42	80.6	834	208	20826	38032	4536	13157	17693
LG42	80.8	882	216	41116	60266	5976	19390	25366
LG42	81	1225	279	64046	90055	10098	26278	36376
LG42	81.2	5518	390	26267	46357	5521	19250	24771
LG42	81.4	1750	233	29459	52434	6955	20439	27395
LG42	81.6	1312	232	15178	26585	3635	10281	13916
LG42	81.8	1358	216	30587	49930	4868	18452	23321
LG42	82	1047	227	15106	24452	2252	8305	10557
LG42	82.2	2887	263	12386	20510	2433	9440	11873
LG42	82.4	1090	180	34161	44392	4530	12892	17422
LG42	82.6	1153	135	5867	10594	BDL	8218	8218
LG42	82.8	1432	111	8527	13395	2814	6914	9728
LG42	83	1046	108	13988	20698	BDL	7250	7250
LG42	83.2	1180	191	19593	31839	3292	12562	15854
LG42	83.4	425	278	4572	7300	BDL	4040	4040
LG42	83.6	1393	531	56553	84544	7903	25070	32974
LG42	83.8	3348	78	4351	6222	946	2108	3054
LG42	84	2318	92	3209	5094	BDL	1796	1796
LG42	84.2	4052	65	3585	5662	913	2802	3715
LG42	84.4	3153	133	12316	19713	2194	8038	10233
LG42	84.6	1901	354	33551	49539	5323	15889	21212
LG42	84.8	3588	147	4292	6495	1241	2477	3718
LG42	85	299	340	52261	80619	9404	28546	37951
LG42	85.2	244	203	28928	44938	4959	16243	21202
LG42	85.4	86	31	5381	9025	1190	3250	4440
LG42	85.6	141	164	40174	61602	7348	20917	28265
LG42	85.8	1038	252	33552	54143	5089	19426	24515
LG42	86	955	201	22185	33999	3311	13609	16921
LG42	86.2	1088	220	20330	31653	3096	10803	13899
LG42	86.4	BDL	43	1541	2672	BDL	889	889
LG42	86.6	402	119	27547	39815	4435	13663	18098
LG42	86.8	414	128	30052	41092	3272	12348	15620
LG42	87.2	557	253	18044	27053	3597	10889	14486
LG42	87.4	339	552	45729	65042	7619	19795	27414
LG42	87.6	466	270	142444	196129	18866	53907	72774
LG42	87.8	59	277	46669	64869	6422	21363	27785
LG42	88.2	754	403	56891	72774	6779	19729	26508
LG42	88.4	835	298	78411	98870	9801	28033	37834
LG42	88.6	656	299	38319	53809	5476	16891	22368
LG42	88.8	663	307	77139	101459	8300	29287	37587
LG42	89	617	326	33950	52204	4904	18251	23156
LG42	89.2	914	408	27835	48671	5343	19682	25025
LG42	89.4	99	727	97597	105471	9158	23409	32567
LG42	89.6	2768	294	15926	24213	2868	10898	13766
LG42	89.8	2537	329	45255	67513	6233	22549	28782
LG42	90	1397	263	17189	25247	2071	9643	11714

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG42	90.2	501	164	30138	42856	3835	14314	18148
LG42	90.4	281	74	11195	15669	BDL	BDL	
LG42	90.6	394	313	28469	40406	4360	14066	18426
LG42	90.8	646	306	73167	93954	7356	25228	32584
LG42	91	513	374	30938	40755	4114	12695	16809
LG42	91.2	629	350	39262	52254	5182	15063	20245
LG42	91.4	217	256	102042	127909	10680	35446	46126
LG42	91.6	269	323	90681	106405	9095	26620	35715
LG42	91.8	354	426	100126	115653	10194	27159	37353
LG42	92	256	302	54293	69782	6058	18683	24741
LG42	92.2	151	238	59244	89898	9953	30813	40767
LG42	92.4	477	330	65961	91429	8384	29475	37859
LG42	92.6	530	280	64321	86266	8462	27042	35504
LG42	92.8	1229	298	35330	48933	4073	14777	18850
LG42	93	391	282	44025	57013	4637	16975	21612
LG42	93.2	1016	363	16296	23921	1826	8365	10191
LG42	93.4	469	166	22538	30361	3008	8188	11196
LG42	93.6	943	267	50820	72511	6680	23778	30458
LG42	93.8	334	180	25915	37506	3929	11926	15855
LG42	94	181	265	42399	57461	6368	19234	25602
LG42	94.2	392	168	25558	34455	2600	8555	11155
LG42	94.4	437	146	30840	41863	3099	9916	13016
LG42	94.6	739	251	34807	46081	4606	14082	18688
LG42	94.8	518	224	25068	34717	3108	10809	13917
LG42	95	540	248	45069	58221	3518	17031	20549
LG42	95.2	571	602	84557	118993	12554	39526	52080
LG42	95.4	725	247	32982	42589	3225	13425	16650
LG42	95.6	221	304	55980	66818	6281	15878	22159
LG42	95.8	317	242	33198	40940	3510	10864	14374
LG42	96	185	92	46462	54248	3722	10002	13724
LG42	96.2	108	417	70634	98661	9667	33543	43210
LG42	96.4	152	187	42826	51528	3803	10733	14537
LG42	96.6	197	188	33204	39896	2360	9449	11809
LG42	96.8	121	212	21949	24603	1879	5267	7146
LG42	97	187	197	13547	18033	BDL	BDL	
LG42	97.2	94	138	6047	7514	1020	2988	4008
LG42	97.4	254	182	20585	25202	2478	7260	9738
LG42	97.6	477	256	42009	55938	5393	16278	21671
LG42	97.8	1317	276	21658	29894	3132	10412	13544
LG42	98	575	253	30188	38036	3202	11618	14820
LG42	98.2	315	502	1482	2386	BDL	1361	1361
LG42	98.4	243	337	42334	52030	5214	16355	21569
LG42	98.6	279	208	87694	92902	6092	19963	26055
LG42	98.8	772	240	44450	57024	4611	17905	22517
LG42	99	951	254	37424	48170	4228	15299	19527
LG42	99.2	663	226	50427	63911	5384	19201	24585
LG42	99.2	1520	185	53109	65709	4938	17516	22454
LG42	99.4	1274	223	69235	86560	6808	22164	28973
LG42	99.6	533	75	14152	19703	BDL	BDL	
LG42	99.8	3450	81	15343	19803	BDL	BDL	
LG42	100	767	49	8524	11495	BDL	BDL	
LG42	100.2	1926	77	8562	13238	1404	4732	6136
LG42	100.4	970	380	7209	9621	1210	3720	4930
LG42	100.6	781	329	13220	18007	1456	6075	7531
LG42	100.8	622	328	5680	8074	1285	4442	5727
LG42	101	1175	303	7531	10907	1263	3963	5226
LG42	101.2	1009	167	9992	14518	BDL	4774	4774
LG42	101.4	1093	136	13148	19127	2652	8089	10741
LG42	101.6	440	135	2467	3486	472	1559	2031
LG42	101.8	861	107	12486	17009	1722	5758	7480
LG42	102	739	219	4706	6513	1288	2667	3954
LG42	102.2	548	157	6582	9434	1494	4624	6118
LG42	102.4	684	267	8419	11306	1312	4547	5859
LG42	102.6	491	208	7221	9577	BDL	4460	4460
LG42	102.8	473	131	7036	9428	1075	3256	4331
LG42	103	417	120	7552	11022	1003	4261	5264
LG42	103.2	430	98	4697	6404	1414	4622	6036
LG42	103.4	328	83	4016	5761	1006	3105	4111
LG42	103.6	324	84	2799	4191	722	2728	3450
LG42	103.8	386	78	1725	2916	1068	2510	3577
LG42	104	263	46	3310	4328	685	1957	2642
LG42	104.2	257	81	2060	2752	352	1198	1550
LG42	104.4	285	60	3069	4353	780	1649	2430
LG42	104.6	172	45	5310	7246	865	2911	3776
LG42	104.8	290	69	3206	4763	775	2046	2821

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG42	105	230	31	1930	2808	BDL	1016	1016
LG42	105.2	209	26	2169	3262	645	1936	2580
LG42	105.4	249	46	3864	5594	BDL	2822	2822
LG42	105.6	201	15	965	1531	BDL	763	763
LG42	105.8	205	51	1644	2690	BDL	1406	1406
LG42	106	382	87	4711	7476	1602	3291	4892
LG42	106.2	31		253	311	BDL	BDL	
LG42	106.4	258	52	2272	3480	938	2470	3408
LG42	106.4	264	48	1739	2549	855	1656	2511
LG42	106.6	298	79	2249	3296	BDL	1007	1007
LG42	106.8	219	119	1096	1980	BDL	1636	1636
LG42	107	644	59	6296	8190	780	2626	3406
LG42	107.2	217	106	1874	3339	BDL	2038	2038
LG42	107.4	379	90	2628	3755	781	2941	3722
LG42	107.6	281	95	1214	1890	691	1227	1918
LG42	107.8	288	97	1831	2728	BDL	1970	1970
LG42	108	287	103	1276	2122	836	1774	2610
LG42	108.2	302	89	1410	2047	BDL	1232	1232
LG42	108.4	294	61	1796	2356	BDL	1077	1077
LG42	108.6	298	53	1314	2178	569	1256	1825
LG42	108.8	311	50	1828	2542	726	1569	2294
LG42	109	262	51	2156	3547	588	1407	1995
LG42	109.2	312	67	1956	3175	618	1761	2379
LG42	109.4	322	81	3702	4941	BDL	1710	1710
LG42	109.6	404	100	1766	2618	636	1236	1872
LG42	109.8	320	73	1796	3016	557	1805	2362
LG42	110	245	52	741	1121	BDL	669	669
LG42	110.2	289	57	1705	2531	BDL	1062	1062
LG42	110.4	266	80	1391	1865	BDL	931	931
LG42	110.6	121	474	5240	7144	704	2543	3247
LG42	110.8	10	25	1463	2200	BDL	1168	1168
LG42	111	19	64	2423	3433	BDL	2224	2224
LG42	111.2	47	89	2450	4123	601	2470	3071
LG42	111.4	190	302	3622	5238	1067	2728	3795
LG42	111.6	277	331	2435	3223	BDL	1621	1621
LG42	111.8	154	48	BDL	643	BDL	BDL	
LG42	112	213	58	1944	2627	BDL	1577	1577
LG42	112.2	189	44	1629	2398	BDL	1044	1044
LG42	112.4	214	39	1854	2535	688	1729	2416
LG42	112.6	325	49	2374	3137	817	2110	2927
LG42	112.8	224	37	1784	2483	556	1140	1696
LG42	113	235	33	1661	2328	602	1441	2043
LG42	113.2	232	51	1888	2475	656	1549	2205
LG42	113.4	309	47	2385	3198	640	1683	2323
LG42	113.6	368	65	2203	3046	793	2091	2884
LG42	113.8	373	73	2438	3353	615	2493	3108
LG42	114	224	162	1906	2341	BDL	2102	2102
LG42	114.2	53	53	BDL	BDL	BDL	BDL	
LG42	114.4	420	170	5567	7415	692	3354	4046
LG42	114.6	14	43	726	949	BDL	BDL	
LG42	114.6	BDL		BDL	BDL	BDL	BDL	
LG42	114.8	63	95	70022	80100	6848	19036	25884
LG42	115	BDL		2093	2506	BDL	1103	1103
LG42	115.2	24	13	6958	8066	770	2149	2919
LG42	115.4	15	7	2328	3099	525	1316	1841
LG42	115.6	37	10	1406	2103	BDL	1786	1786
LG42	115.8	115	41	3362	5315	535	1987	2522
LG42	116	60	39	1458	2741	775	2289	3065
LG42	116.2	13		494	897	BDL	BDL	
LG42	116.4	BDL		861	1065	333	470	803
LG42	116.6	BDL		654	1082	585	786	1371
LG42	117.2	BDL		1277	1595	488	1268	1756
LG42	117.4	11	74	673	864	BDL	BDL	
LG42	117.6	BDL	77	968	1308	BDL	665	665
LG42	117.8	BDL	31	479	628	BDL	BDL	
LG42	118.6	207	32	1304	1695	788	1352	2140
LG42	118.8	229	33	823	1151	554	952	1507
LG42	119	306	44	2949	4067	657	1929	2585
LG42	119.2	62	12	2397	3219	594	1456	2050
LG42	119.4	258	12	3382	4557	743	1936	2679
LG42	119.6	236	19	3724	5233	BDL	1908	1908
LG42	119.8	234	77	1726	2544	677	2386	3063
LG42	120	261	65	1148	1757	774	1354	2128
LG42	120.2	179	54	3404	4864	914	2195	3110
LG42	120.4	299	72	4099	5918	903	2317	3220

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG42	120.6	237	21	4010	5602	788	2459	3247
LG42	120.8	288	17	5475	8046	1088	3119	4207
LG42	121	183	90	6552	9864	BDL	4982	4982
LG42	121.2	307	111	3671	5158	738	2477	3215
LG42	121.4	331	131	2314	3309	BDL	1371	1371
LG42	121.6	275	80	4387	6165	741	3219	3961
LG42	121.8	332	73	3597	5296	1149	3037	4186
LG42	122	270	16	6603	9190	1057	3112	4169
LG42	122.2	273	423	4446	6772	1391	4338	5729
LG42	122.4	270	34	4913	7498	1355	3516	4871
LG42	122.6	236	12	5112	7311	973	3164	4137
LG42	122.8	280	154	4293	6306	836	3783	4619
LG42	123	259	55	1665	2594	800	2204	3004
LG42	123.2	304	66	3270	4699	741	2262	3004
LG42	123.4	456	21	4531	6322	707	2486	3194
LG42	123.6	305	64	3065	4446	BDL	2451	2451
LG42	123.8	245	30	3089	4322	635	2256	2891
LG42	124	264	16	5158	7941	1419	3624	5043
LG42	124.2	303	25	5527	8001	1116	2481	3597
LG42	124.4	404	51	5076	6938	1309	3064	4373
LG42	124.6	126	16	1526	2034	BDL	971	971
LG42	124.8	297	42	1422	2085	536	1150	1685
LG42	125	21		652	969	623	1612	2235
LG42	125.2	304	43	1614	2379	743	1940	2683
LG42	125.4	331	56	2156	3080	536	1573	2109
LG42	125.6	289	34	2317	3505	BDL	1816	1816
LG42	125.8	367	52	3122	3954	774	1498	2272
LG42	126	304	51	1494	2056	BDL	1042	1042
LG42	126.2	271	38	1658	2423	709	1500	2209
LG42	126.4	284	38	831	1448	BDL	1421	1421
LG42	126.6	275	83	3203	3899	868	2215	3083
LG42	126.8	317	33	4211	5736	753	2529	3282
LG42	127	360	40	6158	8187	BDL	3878	3878
LG42	127.2	323	40	4230	5329	BDL	1922	1922
LG42	127.4	385	23	926	1243	BDL	985	985
LG42	127.4	318	54	647	796	BDL	1000	1000
LG42	127.6	372	23	634	938	BDL	803	803
LG42	127.8	340	24	606	972	356	1057	1414
LG42	128	262	58	698	913	BDL	BDL	
LG42	128.2	331	60	626	968	888	1191	2079
LG42	128.4	337	55	786	1227	BDL	868	868
LG42	128.6	310	40	529	793	553	665	1218
LG42	128.8	323	43	382	607	BDL	804	804
LG42	129	94	20	231	340	BDL	708	708
LG42	129.2	223	50	306	449	425	BDL	425
LG42	129.4	253	28	453	448	BDL	BDL	
LG42	129.6	198	90	294	362	513	779	1292
LG42	129.8	258	80	BDL	188	BDL	561	561
LG42	130	216	57	263	BDL	BDL	695	695
LG42	130.2	257	69	346	BDL	BDL	937	937
LG42	130.4	193	118	258	246	BDL	BDL	
LG42	130.6	284	96	BDL	318	BDL	906	906
LG42	130.8	230	57	BDL	BDL	BDL	BDL	
LG42	131	128	89	207	BDL	563	800	1364
LG42	131.2	495	59	251	431	720	1236	1955
LG42	131.4	282	47	BDL	273	BDL	579	579
LG42	131.6	229	43	BDL	BDL	BDL	BDL	
LG42	131.8	175	57	BDL	290	BDL	BDL	
LG42	132	193	60	252	340	471	718	1189
LG42	132.2	232	62	BDL	BDL	BDL	BDL	
LG42	132.4	175	65	BDL	269	408	748	1157
LG42	132.6	216	82	239	292	BDL	884	884
LG42	132.8	250	98	BDL	294	BDL	BDL	
LG42	133	203	54	285	BDL	431	BDL	431
LG42	133.2	129	32	234	229	BDL	660	660
LG42	133.4	301	52	542	845	BDL	567	567
LG42	133.6	346	47	552	1066	571	962	1533
LG42	133.8	459	72	683	1277	557	1167	1724
LG42	134	407	47	1166	1751	627	1406	2033
LG42	134.2	291	69	806	1172	400	BDL	400
LG42	134.4	485	79	765	1030	BDL	690	690
LG42	134.6	508	95	1093	1716	BDL	1054	1054
LG42	134.8	421	63	955	1598	446	1088	1534
LG42	135	268	53	565	864	BDL	BDL	
LG42	135.2	405	86	1123	2106	710	1675	2385

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG42	135.4	435	73	987	1913	BDL	835	835
LG42	135.6	346	55	1032	1775	683	1505	2187
LG42	135.8	378	55	983	1364	BDL	1110	1110
LG42	136	401	50	817	1352	BDL	890	890
LG42	136.2	412	32	778	1415	BDL	1064	1064
LG42	136.4	393	53	838	1503	BDL	936	936
LG42	136.6	336	68	905	1689	955	2446	3400
LG42	136.8	217	83	1222	1683	527	1347	1874
LG42	137	452	37	4485	5915	830	2018	2848
LG42	137.2	506	40	2738	3550	359	1152	1511
LG42	137.4	287	30	5954	8050	1153	3155	4309
LG42	137.6	261	33	4246	5913	868	2634	3501
LG42	137.8	182	38	1202	1786	1132	1661	2793
LG42	138	307	279	2658	4686	970	2704	3673
LG42	138.2	277	104	1375	2251	596	BDL	596
LG42	138.4	322	116	2677	4009	697	3232	3929
LG42	138.6	101	69	3538	4650	624	2574	3199
LG42	138.8	323	105	1893	2886	BDL	2470	2470
LG42	139	304	131	1945	2827	BDL	1864	1864
LG42	139.2	240	118	5905	7790	1316	3169	4485
LG42	139.4	199	51	3402	5116	640	2214	2854
LG42	139.6	244	102	2043	2771	599	1746	2345
LG42	139.8	279	54	1287	1820	BDL	1116	1116
LG42	140	249	99	2862	4363	722	1788	2510
LG42	140.2	480	82	2153	3201	584	2508	3091
LG42	140.4	284	78	837	1336	BDL	734	734
LG42	140.6	308	78	1014	1352	BDL	1068	1068
LG42	140.8	266	132	3391	4472	886	1735	2622
LG42	141	189	59	850	1377	400	766	1166
LG42	141.2	278	131	1343	1940	BDL	1037	1037
LG42	141.4	204	54	8448	12393	1420	4611	6030
LG42	141.6	288	59	3038	4679	904	2247	3151
LG42	141.8	48	27	9575	13143	989	3548	4538
LG42	142	28	54	10868	16088	1593	5142	6735
LG42	142.2	48	46	5747	8681	839	2887	3726
LG42	142.4	20	46	10481	13278	1506	3251	4756
LG42	142.6	38	40	4137	5410	533	1916	2449
LG42	142.8	42	72	17050	24503	2640	7412	10052
LG42	143	26	40	6088	7857	561	2136	2697
LG42	143.2	17	32	8455	9977	962	2751	3713
LG42	143.4	30	63	15126	21212	2140	6392	8532
LG42	143.8	19	47	7954	11311	1400	3357	4757
LG42	144	7	91	8431	18823	2700	9263	11963
LG42	144.2	61	52	20975	26456	2943	8145	11088
LG42	144.4	33	85	35278	43133	3271	11397	14668
LG42	144.6	BDL	66	10626	14717	1969	4918	6888
LG42	144.8	16	20	4237	6259	672	1981	2652
LG42	145	19	39	8363	10870	696	3589	4285
LG42	145.2	BDL	57	14587	19585	1976	6180	8156
LG42	145.4	16	230	14204	18040	1835	6238	8074
LG42	145.6	505	134	2755	3512	644	1843	2487
LG42	145.8	45	98	4745	5294	620	1645	2265
LG42	146	BDL	65	17047	20960	2264	7031	9295
LG42	146.2	26	64	8523	12595	1144	4866	6010
LG42	146.4	237	61	9940	13913	1343	4650	5994
LG42	146.6	48	82	6742	9538	1360	3940	5300
LG42	146.8	26	58	8870	13262	1391	4129	5519
LG42	147	11	56	5466	6891	1011	2468	3479
LG42	147.2	13	106	11989	17681	1990	6220	8211
LG42	147.4	413	127	1034	1729	BDL	1084	1084
LG42	147.6	426	51	1974	2740	429	1818	2247
LG42	147.8	341	56	1745	2687	BDL	1134	1134
LG42	148	376	57	1937	2573	570	1608	2177
LG42	148.2	290	466	4733	6937	BDL	2919	2919
LG42	148.4	51	110	10514	11622	805	2448	3254
LG42	148.6	115	50	11913	15461	1345	4289	5634
LG42	148.8	726	112	9898	12447	1219	4833	6052
LG42	149	541	150	13384	18013	1756	6279	8035
LG42	149.2	380	75	8468	12086	1551	4448	5999
LG42	149.4	400	71	883	1482	BDL	1437	1437
LG42	149.6	317	59	707	1072	BDL	1219	1219
LG42	149.8	401	91	881	1664	456	1338	1794
LG42	150	343	70	662	1222	BDL	836	836
LG42	150.2	335	65	760	1324	BDL	695	695
LG42	153.3	50	83	1526	2378	BDL	1387	1387

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG42	153.5	31	33	2401	3244	530	1672	2201
LG42	153.7	55	76	11122	13692	1182	4034	5216
LG42	153.9	14	56	10374	12878	904	3320	4224
LG42	154.1	38	10	6782	8963	928	2901	3829
LG42	154.3	28	67	23059	28862	3041	8379	11420
LG42	154.5	17	90	23191	36289	3842	12480	16322
LG42	154.7	BDL	43	7227	12637	1713	5297	7011
LG42	154.9	16	50	7781	9906	951	3395	4346
LG42	155.1	14	38	4969	7000	826	2899	3725
LG42	155.3	BDL	54	18705	24245	3031	8686	11717
LG42	155.5	7		280	319	551	BDL	551
LG42	155.7	BDL	27	4715	6317	1396	2642	4038
LG42	155.9	BDL	41	11574	13031	1395	3455	4850
LG42	156.1	BDL	62	8074	9851	993	3113	4106
LG42	156.3	BDL	81	6361	6879	571	1952	2522
LG42	156.5	BDL	90	27798	32935	3089	9610	12699
LG42	156.7	BDL	44	5079	7384	870	2639	3509
LG42	156.9	11	84	18059	21581	2420	5996	8417
LG42	157.1	BDL	93	9589	15523	1749	5787	7535
LG42	157.3	BDL	59	4177	7110	928	2707	3635
LG42	157.5	7	54	2642	4587	547	1729	2277
LG42	157.7	14	60	10143	13350	1051	4188	5239
LG42	157.9	BDL	33	9830	13197	1354	4220	5574
LG42	158.1	BDL	26	8404	12907	1612	5094	6706
LG42	158.3	19	38	8374	10205	972	3153	4126
LG42	158.5	BDL	54	10120	13820	1469	4673	6142
LG42	158.7	BDL	87	7036	10994	1130	3611	4740
LG42	158.9	BDL	39	17964	21387	2003	5837	7839
LG42	159.1	BDL	72	31808	39471	2644	11236	13880
LG42	159.3	21	21	1880	3538	680	2081	2761
LG42	159.5	100	103	7239	11259	1453	6533	7986
LG42	159.7	36	61	3460	6055	1172	4194	5366
LG42	159.9	7	52	13665	26352	3501	10108	13609
LG42	160.1	BDL	39	9370	16152	1795	5720	7515
LG42	160.3	BDL	50	15050	22009	2266	7771	10037
LG42	160.5	BDL	18	1383	2039	BDL	1122	1122
LG42	160.7	BDL	14	5502	5927	482	1596	2078
LG42	160.9	8	54	54877	68995	7887	20554	28441
LG42	161.1	BDL	33	17610	23555	2082	7025	9108
LG42	161.3	BDL	52	14755	35045	5123	17101	22224
LG42	161.5	BDL	83	29262	39231	4461	12595	17055
LG42	161.5	BDL	45	13844	18537	1783	5221	7004
LG42	161.7	BDL	31	14343	18438	1992	5497	7489
LG42	161.9	BDL	36	11238	17324	1549	6374	7922
LG42	162.1	BDL	29	3651	5672	475	2007	2482
LG42	162.3	11	29	4187	5885	802	2525	3327
LG42	162.5	10		220	BDL	BDL	519	519
LG42	162.7	BDL	17	6916	10598	1104	3755	4859
LG42	162.9	11	114	65833	70333	4900	16159	21059
LG42	163.1	BDL	58	27939	32500	3075	7999	11074
LG42	163.3	BDL	29	11619	14166	1405	4236	5642
LG42	163.5	BDL	29	21177	28239	2266	7867	10133
LG42	163.7	BDL	45	7952	13705	1619	4922	6541
LG42	163.9	BDL	80	77953	101017	9364	25250	34614
LG42	164.1	BDL	33	23182	27104	2721	7953	10674
LG42	164.3	BDL	7	1838	3125	903	2393	3296
LG42	164.5	26	9	4419	6559	735	2139	2873
LG42	164.7	9	74	77753	78844	6605	14830	21435
LG42	164.9	16	59	24691	37281	4186	12337	16523
LG42	165.1	BDL	22	6581	8831	901	3081	3982
LG42	165.3	BDL	54	25879	36889	3541	12538	16078
LG42	165.5	15	30	54675	58784	4111	13361	17472
LG42	165.7	BDL	23	6563	8598	659	2759	3418
LG42	166.1	BDL	40	5854	6415	1005	2155	3160
LG42	166.3	14	47	19821	25169	2223	6870	9093
LG27	53	542	26	507	1113	BDL	BDL	
LG27	53.2	307	15	278	662	BDL	BDL	
LG27	53.4	665	33	1047	1813	490	1165	1655
LG27	53.6	652	29	788	1609	BDL	BDL	
LG27	53.8	551	25	733	1380	505	562	1067
LG27	54	607	28	605	1629	BDL	594	594
LG27	54.2	589	31	616	1502	BDL	833	833
LG27	54.4	549	39	520	1186	410	BDL	410
LG27	54.6	709	32	774	1779	BDL	623	623
LG27	54.8	548	29	465	1165	BDL	BDL	

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG27	55	664	32	584	1222	BDL	BDL	
LG27	55.2	553	25	759	1773	BDL	782	782
LG27	55.4	726	32	1222	2429	558	1353	1911
LG27	55.6	729	34	1025	2241	BDL	590	590
LG27	55.8	641	30	838	1619	429	847	1276
LG27	56	1852	27	706	1920	BDL	BDL	
LG27	56.2	605	32	582	1093	527	572	1099
LG27	56.4	553	26	609	1305	BDL	644	644
LG27	56.6	638	33	727	1793	BDL	706	706
LG27	56.8	553	33	865	1985	BDL	BDL	
LG27	57	474	26	639	1247	BDL	BDL	
LG27	57.2	646	26	718	1635	BDL	BDL	
LG27	57.4	614	22	683	1425	BDL	BDL	
LG27	57.6	903	26	704	1686	BDL	BDL	
LG27	57.8	1001	27	843	1802	339	550	888
LG27	58	972	31	857	1826	BDL	BDL	
LG27	58.2	1873	45	1505	3083	BDL	528	528
LG27	58.4	2002	38	3619	6628	625	1682	2306
LG27	58.6	1957	35	803	1761	BDL	497	497
LG27	58.8	2097	41	2718	5206	BDL	1130	1130
LG27	59	2821	60	5894	12085	949	1881	2830
LG27	59.2	2885	38	4707	10581	797	1748	2545
LG27	59.4	2039	33	2480	5733	BDL	1033	1033
LG27	59.6	2070	38	4100	8028	605	1576	2180
LG27	59.8	2248	65	4234	8413	BDL	1531	1531
LG27	60	2199	53	2452	5196	BDL	1047	1047
LG27	60.2	2245	48	853	1799	BDL	416	416
LG27	60.4	2169	44	441	1033	BDL	443	443
LG27	60.6	1386	29	1386	3168	BDL	BDL	
LG27	60.8	1887	53	1847	3894	BDL	BDL	
LG27	61	2095	56	2178	5120	435	1167	1602
LG27	61.2	1796	56	1868	3796	BDL	712	712
LG27	61.4	1566	46	1230	2774	BDL	847	847
LG27	61.6	1576	60	2652	5049	BDL	1262	1262
LG27	61.8	618	42	2336	3617	BDL	1336	1336
LG27	62	2672	95	2908	6457	497	1937	2434
LG27	62.2	1993	104	7925	15494	1308	4680	5988
LG27	62.4	769	64	3423	6573	BDL	3886	3886
LG27	62.6	684	55	3269	6622	1736	4386	6123
LG27	62.8	1080	100	3810	6933	1660	3885	5545
LG27	63	1405	96	4496	8498	1453	5710	7162
LG27	63.2	1646	118	5112	10060	BDL	BDL	
LG27	63.4	739	39	1744	3641	BDL	2269	2269
LG27	63.6	1548	118	5400	9944	2468	6941	9409
LG27	63.8	1243	101	4378	7681	1514	2778	4292
LG27	64	2186	182	12548	21508	BDL	9357	9357
LG27	64.2	2457	237	11280	20082	2234	4886	7120
LG27	64.4	2186	215	9132	16503	BDL	3477	3477
LG27	64.6	2296	228	9634	17165	BDL	6984	6984
LG27	64.8	2467	224	7723	13936	1685	6217	7902
LG27	65	2288	245	8408	15328	BDL	6659	6659
LG27	65.2	2158	265	9481	17211	BDL	6135	6135
LG27	65.4	2204	309	9007	15000	BDL	6356	6356
LG27	65.6	1654	268	13938	24786	BDL	8326	8326
LG27	65.8	2297	335	4823	9164	1059	3661	4720
LG27	66	2247	230	10631	15847	1928	5464	7392
LG27	66.2	2205	319	16532	28290	2994	9663	12657
LG27	66.4	1960	373	21086	33769	2439	12937	15376
LG27	66.6	1700	131	6522	8867	BDL	4720	4720
LG27	66.8	3889	193	10755	15383	BDL	5902	5902
LG27	67	6309	232	7481	10589	BDL	3935	3935
LG27	67.2	4564	149	5644	8036	BDL	BDL	
LG27	67.6	2396	96	4772	8599	BDL	BDL	
LG27	67.8	1154	384	11372	19556	BDL	6435	6435
LG27	68	170	38	7180	7913	935	2467	3402
LG27	68.2	1171	228	28696	45247	6157	18030	24187
LG27	68.4	1379	352	11531	16233	BDL	6490	6490
LG27	68.6	1096	341	4466	8496	BDL	BDL	
LG27	68.8	665	527	BDL	BDL	BDL	BDL	
LG27	68.8	471	428	14073	22136	BDL	6869	6869
LG27	69	519	23	2274	4587	BDL	BDL	
LG27	69.2	678	101	14954	19988	BDL	7640	7640
LG27	69.4	163	199	5937	9635	BDL	BDL	
LG27	69.6	346	66	10377	11774	1169	5199	6368
LG27	69.8	7412	482	11647	16034	1444	7738	9182

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG27	70	235	28	1515	2690	1105	1862	2966
LG27	70.2	281	113	3963	6661	BDL	BDL	
LG27	70.4	283	43	1497	1908	BDL	BDL	
LG27	70.6	991	420	29963	31865	2699	8757	11455
LG27	70.8	12	9	1932	2947	785	1726	2511
LG27	71	226	113	3968	6301	1234	3437	4671
LG27	75.1	123	30	BDL	875	1327	2586	3914
LG27	75.3	5205	36	1568	2228	BDL	1604	1604
LG27	75.5	4316	60	3750	6708	1333	4825	6158
LG27	75.7	4884	32	1552	2981	BDL	3403	3403
LG27	75.9	3006	166	2181	4056	990	2777	3766
LG27	76.1	2513	192	9534	17661	1967	8242	10210
LG27	76.3	240	270	28832	54326	6799	26979	33778
LG27	76.5	1107	268	33313	53499	5771	25606	31377
LG27	76.7	5804	49	3712	5085	BDL	3361	3361
LG27	76.9	298	86	602	738	620	1208	1828
LG27	77.1	392	765	3361	4129	1241	3757	4998
LG27	77.3	5335	104	7106	9647	BDL	BDL	
LG27	77.5	6182	215	4940	7391	BDL	3809	3809
LG27	77.7	6945	128	5016	7787	BDL	4535	4535
LG27	77.9	8993	106	4104	5946	BDL	BDL	
LG27	78.1	11910	134	14036	22555	1798	6431	8229
LG27	78.3	2585	69	4136	5568	BDL	3437	3437
LG27	78.5	504		BDL	BDL	BDL	BDL	
LG27	78.7	51	100	20544	21557	1660	4755	6415
LG27	78.9	676	462	2823	2608	BDL	1602	1602
LG27	79.1	340	44	3157	3999	BDL	3407	3407
LG30	123.7	928	128	901	1248	BDL	BDL	
LG30	123.9	1041	195	1010	1476	BDL	1620	1620
LG30	124.1	668	91	559	819	BDL	804	804
LG30	124.3	755	41	917	1683	BDL	691	691
LG30	124.5	535	56	759	1088	BDL	BDL	
LG30	124.7	1532	121	1895	3134	376	1297	1673
LG30	124.9	1195	73	844	1117	BDL	1409	1409
LG30	125.1	1795	180	2569	4206	BDL	1911	1911
LG30	125.3	2830	104	853	1503	BDL	857	857
LG30	125.5	3524	51	354	618	BDL	BDL	
LG30	125.7	729	37	324	404	BDL	589	589
LG30	125.9	569	22	332	488	BDL	BDL	
LG30	126.1	1726	48	135	126	BDL	BDL	
LG30	126.3	1533	77	246	351	BDL	BDL	
LG30	126.5	3139	360	1703	3052	BDL	1668	1668
LG30	126.7	6027	351	1181	2548	416	1590	2007
LG30	126.9	3109	1620	63530	72870	7089	21294	28383
LG30	127.1	3942	292	2503	4861	860	2583	3443
LG30	127.3	3536	181	1521	2890	BDL	1643	1643
LG30	127.5	4404	87	546	994	BDL	725	725
LG30	127.7	2808	33	BDL	239	BDL	BDL	
LG30	127.9	2696	32	BDL	BDL	BDL	654	654
LG30	128.1	1839	58	346	508	BDL	BDL	
LG30	128.3	1978	101	885	1565	BDL	BDL	
LG30	128.5	2668	28	424	608	660	1188	1848
LG30	128.7	8744	146	952	2229	420	1488	1908
LG30	128.9	5310	80	465	863	BDL	610	610
LG30	129.1	2161	113	1353	2368	BDL	1951	1951
LG30	129.3	2085	127	1047	1883	BDL	739	739
LG30	129.5	1888	137	1258	1790	562	1097	1659
LG30	129.7	436	51	613	885	BDL	835	835
LG30	129.9	406	34	268	565	BDL	BDL	
LG30	130.1	666	77	523	1065	516	1304	1821
LG30	130.3	723	89	610	891	BDL	888	888
LG30	130.5	1389	55	BDL	398	BDL	BDL	
LG30	130.7	618	90	164	210	BDL	BDL	
LG30	130.9	556	250	974	884	BDL	854	854
LG30	131.1	3209	214	782	1024	BDL	1344	1344
LG30	131.3	1508	229	443	840	483	1084	1567
LG30	131.5	590	262	374	344	BDL	480	480
LG30	131.7	633	122	275	570	BDL	793	793
LG30	131.9	910	115	BDL	350	BDL	BDL	
LG30	132.1	2591	205	1636	2669	BDL	1676	1676
LG30	132.3	3838	213	2273	3611	691	1922	2613
LG30	132.5	3426	123	1293	1823	551	1241	1793
LG30	132.7	5047	171	1231	1915	469	1308	1777
LG30	132.9	8164	871	1273	2627	452	1671	2123
LG30	133.1	5820	105	464	854	BDL	738	738

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG30	133.3	3441	475	1391	2056	BDL	1362	1362
LG30	133.5	5962	753	2862	4736	499	2401	2901
LG30	133.7	4621	1098	5337	9707	1234	4140	5374
LG30	133.9	8054	848	7707	14332	1682	6260	7942
LG30	134.1	1161	162	211	325	BDL	437	437
LG30	134.3	1697	200	251	387	BDL	BDL	
LG30	134.5	630	69	204	267	BDL	BDL	
LG30	134.7	1796	249	569	1134	BDL	679	679
LG30	134.9	15634	419	4338	8415	891	3726	4617
LG30	135.1	12532	662	4965	9260	1031	4307	5338
LG30	135.3	8166	1231	5386	10525	1445	8130	9575
LG30	135.5	7923	1017	7514	13618	1819	6610	8429
LG30	135.7	10338	3038	5164	10452	1508	6282	7789
LG30	135.9	9056	1673	8945	18220	2288	11050	13338
LG30	136.1	6757	883	8915	15800	1996	7343	9339
LG30	136.3	8015	1134	6547	12217	1361	6964	8325
LG30	136.5	5374	655	3291	6180	732	3395	4128
LG30	136.7	7196	616	1459	2397	BDL	1050	1050
LG30	136.9	8613	751	5137	9023	948	4093	5041
LG30	137.1	1600	417	1021	1617	528	1000	1528
LG29	1.5	551	60	234	436	BDL	BDL	
LG29	1.8	553	60	332	529	BDL	486	486
LG29	2.1	572	68	292	464	BDL	BDL	
LG29	2.4	460	48	235	362	BDL	BDL	
LG29	2.7	531	75	240	334	BDL	BDL	
LG29	3	484	45	134	181	BDL	BDL	
LG29	3.3	327	39	438	432	BDL	286	286
LG29	3.6	434	30	226	754	BDL	297	297
LG29	3.9	363	27	466	741	BDL	BDL	
LG29	4.2	384	32	403	694	BDL	BDL	
LG29	4.5	479	37	837	1159	333	598	931
LG29	4.8	514	41	578	697	BDL	426	426
LG29	5.1	1082	106	624	1087	BDL	440	440
LG29	5.4	839	48	713	1599	427	638	1065
LG29	5.7	760	58	1024	2260	BDL	754	754
LG29	6	438	47	953	1645	BDL	636	636
LG29	6.3	546	52	1487	2313	502	1146	1648
LG29	6.6	763	101	3889	4838	658	2208	2866
LG29	6.9	844	506	6304	5197	1314	4444	5757
LG29	7.2	4899	548	13799	15267	2227	8272	10498
LG29	7.5	1409	437	11911	15566	2503	9595	12098
LG29	7.8	2523	284	5687	6440	977	3774	4750
LG29	8.1	1457	144	2384	2445	BDL	BDL	
LG29	8.4	391	71	1873	1763	BDL	BDL	
LG29	8.7	400	59	1344	1309	497	703	1200
LG29	9	563	58	740	1655	BDL	731	731
LG29	9.3	1137	614	21067	25221	5402	18417	23819
LG29	9.6	419	139	1797	2540	526	1790	2316
LG29	9.9	117	49	476	2107	BDL	BDL	
LG29	10.2	28	22	BDL	517	408	BDL	408
LG29	10.5	85	31	382	2501	BDL	BDL	
LG29	10.8	271	156	2158	9185	536	1602	2139
LG29	11.1	172	113	1316	6276	740	1957	2697
LG29	11.4	133	88	563	6435	BDL	726	726
LG29	11.7	132	85	335	3418	BDL	539	539
LG29	12	124	73	684	7839	BDL	726	726
LG29	12.3	414	74	352	6640	BDL	BDL	
LG29	12.6	94	74	191	1267	BDL	BDL	
LG29	12.9	145	327	353	1448	BDL	757	757
LG29	13.2	149	114	1412	4050	585	2137	2721
LG29	13.5	225	174	2348	5461	607	2968	3575
LG29	13.8	173	94	542	1589	265	744	1009
LG29	14.1	257	285	3237	6972	1176	3865	5041
LG29	14.4	229	265	2479	4832	802	2426	3228
LG29	14.7	253	382	3326	11823	1039	3742	4781
LG29	15	153	63	868	810	475	1114	1589
LG29	15.3	231	175	1531	1813	345	1537	1882
LG29	15.6	243	181	979	6752	361	1118	1480
LG29	15.9	384	109	717	2369	BDL	1124	1124
LG29	16.2	426	212	1068	3272	BDL	BDL	
LG29	16.5	576	103	774	2867	BDL	867	867
LG29	16.8	259	58	130	617	BDL	BDL	
LG29	17.1	317	120	3550	1069	821	2936	3757
LG29	17.4	767	154	2212	33588	BDL	1741	1741
LG29	17.7	380	172	1822	3349	536	1796	2332

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG29	18	40	25	617	219	308	1042	1350
LG29	18.3	327	76	227	1268	BDL	559	559
LG29	18.6	394	54	533	2462	BDL	BDL	
LG29	18.9	622	136	1694	1714	697	996	1693
LG29	19.2	463	116	1140	2161	BDL	BDL	
LG29	19.5	169	23	190	BDL	BDL	BDL	
LG29	19.8	2099	369	9130	3605	2093	6865	8959
LG29	20.1	410	252	308	993	BDL	532	532
LG29	20.4	1386	178	911	1797	BDL	837	837
LG29	20.7	2214	161	840	1237	BDL	775	775
LG29	21	5206	349	3809	2373	952	3173	4125
LG29	21.3	473	83	1299	1047	511	983	1493
LG29	21.6	467	113	1528	1472	BDL	820	820
LG29	21.9	446	93	905	964	BDL	868	868
LG29	22.2	382	79	610	984	503	706	1209
LG29	22.5	425	84	870	843	BDL	1004	1004
LG29	22.8	482	73	1032	792	613	729	1342
LG29	23.1	533	113	865	1041	482	954	1436
LG29	23.4	1387	497	513	1912	BDL	1177	1177
LG29	23.7	250	19	BDL	194	BDL	BDL	
LG29	24	234	37	BDL	332	BDL	BDL	
LG29	24.3	383	44	301	1084	BDL	BDL	
LG29	24.6	282	472	15111	14412	2847	8750	11597
LG29	24.6	427	386	25299	69256	2058	8251	10309
LG29	24.9	307	160	4794	7703	858	2453	3312
LG29	25.2	357	73	1287	3065	BDL	875	875
LG29	25.5	376	48	242	1195	BDL	409	409
LG29	25.8	179	30	213	514	BDL	BDL	
LG29	26.1	478	99	1068	1333	BDL	1108	1108
LG29	26.4	675	159	3176	2152	1169	2473	3642
LG29	26.7	2255	439	15079	7044	3027	9362	12389
LG29	27	486	62	283	2916	BDL	672	672
LG29	27.3	70	24	BDL	BDL	355	577	931
LG29	27.6	194	48	154	429	350	663	1013
LG29	27.9	156	37	250	642	BDL	BDL	
LG29	28.2	290	92	648	874	443	1125	1568
LG29	28.5	137	38	BDL	654	BDL	799	799
LG29	28.8	222	45	BDL	2253	BDL	618	618
LG29	29.1	742	910	3223	3210	1069	3935	5003
LG29	29.4	2893	820	4419	4042	1194	3953	5147
LG29	29.7	10383	284	3467	11897	731	3578	4309
LG29	30	569	162	10813	8971	2566	9923	12489
LG29	30.3	1384	183	5977	37450	1639	5444	7083
LG29	30.6	224	67	455	5893	BDL	1021	1021
LG29	30.9	30	53	BDL	533	BDL	675	675
LG29	31.2	30	17	BDL	413	BDL	BDL	
LG29	31.5	36	16	BDL	204	309	718	1028
LG29	31.8	8	5	247	257	BDL	BDL	
LG29	32.1	BDL	16	BDL	195	345	509	854
LG29	32.4	53	19	188	247	361	BDL	361
LG29	32.7	33	19	210	256	BDL	600	600
LG29	33	36	16	334	683	BDL	479	479
LG29	33.3	15	8	BDL	211	BDL	BDL	
LG29	33.6	17	10	BDL	214	BDL	BDL	
LG29	33.9	136	59	438	408	BDL	665	665
LG29	34.2	279	28	1179	671	323	1118	1441
LG29	34.5	632	143	3216	2440	898	2870	3768
LG29	34.8	866	106	399	528	BDL	1147	1147
LG29	35.1	362	62	327	878	BDL	457	457
LG29	35.4	204	57	351	902	BDL	714	714
LG29	35.7	188	65	292	658	BDL	514	514
LG29	36	244	69	729	1384	BDL	1077	1077
LG29	36.3	382	56	553	894	389	1065	1454
LG29	36.6	879	227	1450	3589	BDL	2182	2182
LG29	36.9	586	225	2243	3901	736	3124	3861
LG29	37.2	748	336	7719	12199	1757	6788	8545
LG29	37.5	1154	91	218	496	432	810	1242
LG29	37.8	29	12	BDL	458	355	BDL	355
LG29	39.1	585	173	4556	5202	953	3581	4533
LG29	39.4	21	11	BDL	429	557	BDL	557
LG29	39.7	893	257	6266	8992	1037	4212	5249
LG29	40	275	64	445	595	514	1098	1612
LG29	40.3	920	149	3519	4896	1112	2658	3771
LG29	40.6	964	49	627	1250	BDL	812	812
LG29	40.9	1008	52	594	1005	BDL	BDL	

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG29	41.2	674	39	835	1485	BDL	890	890
LG29	41.5	648	59	979	1656	BDL	924	924
LG29	41.8	440	70	1230	2274	591	1117	1708
LG29	42.1	70	30	BDL	267	BDL	BDL	
LG29	42.4	253	49	658	1001	348	541	889
LG29	42.7	255	54	499	905	BDL	BDL	
LG29	43	275	25	108	173	BDL	BDL	
LG29	43.3	385	74	799	1123	BDL	BDL	
LG29	43.6	1342	84	817	3182	BDL	712	712
LG29	43.9	363	79	386	728	405	BDL	405
LG29	44.2	538	75	202	685	426	868	1294
LG29	44.5	1258	134	1177	2008	BDL	887	887
LG29	44.8	598	74	1130	2550	430	1664	2095
LG29	45.1	393	303	504	756	BDL	899	899
LG29	45.4	2803	91	607	1144	BDL	842	842
LG29	45.7	1276	1099	8845	9065	2213	7347	9560
LG29	46	2252	44	231	683	378	566	944
LG29	46.3	749	30	290	518	BDL	1062	1062
LG29	46.6	772	92	1411	2407	589	1360	1949
LG29	46.9	547	44	635	820	BDL	BDL	
LG29	47.2	459	42	551	813	BDL	627	627
LG29	47.5	658	78	1341	1995	BDL	944	944
LG29	47.8	880	58	1064	1704	BDL	662	662
LG29	48.1	1244	117	2221	3640	559	1082	1641
LG29	48.4	1544	79	917	1937	BDL	786	786
LG29	48.7	1165	80	1395	2554	BDL	933	933
LG29	49	866	64	1226	2138	BDL	1215	1215
LG29	49.3	645	30	441	756	BDL	627	627
LG29	49.6	613	35	556	1298	BDL	BDL	
LG29	49.9	100	26	377	557	BDL	BDL	
LG29	51.9	456	33	435	444	BDL	598	598
LG29	52.2	580	42	1593	1240	BDL	1015	1015
LG29	52.5	604	40	1071	753	BDL	899	899
LG29	52.8	6170	80	602	801	336	842	1178
LG29	53.1	682	74	1116	2280	BDL	998	998
LG29	53.4	1185	74	2933	2201	835	2950	3785
LG29	53.7	1015	101	1910	1562	962	2452	3414
LG29	54	1331	105	2271	2366	746	2378	3124
LG29	54.3	419		617	855	BDL	672	672
LG29	54.6	2393	213	1452	2760	1228	2182	3411
LG29	54.9	4572	522	11310	22355	2543	11790	14333
LG29	55.2	914	168	4201	7475	1017	4101	5118
LG29	55.5	1220	116	2000	3820	550	1682	2232
LG29	55.8	877	99	2816	5438	1206	3264	4471
LG29	56.1	201	18	BDL	583	BDL	719	719
LG29	56.4	641	61	649	1632	BDL	1877	1877
LG29	56.7	79	65	311	634	665	1338	2003
LG29	57	1058	95	1315	1717	612	1788	2400
LG29	57.3	338	154	3200	7817	1593	4543	6136
LG29	57.6	483	153	6247	8182	1860	7227	9087
LG29	57.9	772	108	952	2032	BDL	2294	2294
LG29	58.2	558	100	561	1380	876	2695	3571
LG29	58.5	700	94	884	1610	BDL	1196	1196
LG29	58.8	1218	362	2242	3797	658	2632	3290
LG29	59.1	1418	232	1180	2334	650	1752	2402
LG29	59.4	868	258	2593	5190	900	3857	4756
LG29	59.7	96	37	347	680	469	1013	1482
LG29	60	387	53	BDL	309	BDL	830	830
LG29	60.3	571	78	176	397	356	349	705
LG29	60.6	483	61	448	996	1165	2113	3278
LG29	60.9	356	45	BDL	686	705	1800	2505
LG29	61.2	306	39	BDL	468	502	1221	1723
LG29	61.5	319	53	352	707	552	1363	1916
LG29	61.8	576	64	441	946	BDL	1546	1546
LG29	62.1	109	49	373	976	498	BDL	498
LG29	62.4	461	29	464	879	BDL	1252	1252
LG29	62.7	450	44	746	1149	715	906	1621
LG29	63	347	35	1230	1803	BDL	1185	1185
LG29	63.3	246	47	357	635	BDL	753	753
LG29	63.6	200	39	BDL	478	506	721	1226
LG29	63.9	452	55	376	591	BDL	734	734
LG29	64.2	1201	77	5615	9268	1640	4788	6428
LG29	64.5	771	85	1625	2096	774	1831	2605
LG29	64.8	516	60	780	1195	BDL	1292	1292
LG29	65.1	495	54	729	1300	BDL	955	955

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG29	65.4	405	43	1174	1812	BDL	922	922
LG29	65.7	387	61	673	1307	BDL	1232	1232
LG29	66	558	72	1157	1932	528	1551	2079
LG29	66.3	608	71	1254	1753	BDL	1250	1250
LG29	66.6	449	62	927	1514	BDL	879	879
LG29	66.9	125	33	621	747	BDL	1150	1150
LG29	67.2	440	69	502	619	BDL	616	616
LG29	67.5	336	53	682	1157	1000	1744	2744
LG29	67.8	502	69	912	1102	BDL	991	991
LG29	68.1	691	97	1158	1936	657	1786	2443
LG29	68.4	283	50	BDL	421	BDL	1027	1027
LG29	68.7	334	33	411	666	672	1233	1905
LG29	69	262	29	442	911	991	2036	3028
LG29	69.3	284	34	BDL	466	631	1242	1873
LG29	69.6	272	34	289	499	BDL	754	754
LG29	69.9	221	33	BDL	565	841	1750	2591
LG29	70.2	353	45	333	832	638	1041	1679
LG29	70.5	737	57	695	1045	BDL	1203	1203
LG29	70.8	461	38	801	1171	BDL	1133	1133
LG29	71.1	302	36	485	639	BDL	826	826
LG29	71.4	216		BDL	217	368	907	1275
LG29	71.7	398	47	672	1068	BDL	983	983
LG29	72	551	39	484	782	BDL	779	779
LG29	72.3	747	41	538	1025	BDL	585	585
LG29	72.6	388	17	229	246	BDL	BDL	
LG29	72.9	425	83	543	578	BDL	BDL	
LG29	73.2	241	48	229	299	BDL	577	577
LG29	73.5	210	22	BDL	467	BDL	845	845
LG29	73.8	307	29	629	1286	406	945	1351
LG29	74.1	213	118	4475	8243	820	3110	3930
LG29	74.4	196	52	398	671	BDL	509	509
LG29	74.7	431	92	BDL	533	480	1191	1671
LG29	75	350	74	210	470	488	1136	1624
LG29	75.3	187	90	333	482	BDL	675	675
LG29	75.6	1021	206	3210	5076	829	2767	3597
LG29	75.9	939	242	3399	5590	1300	3472	4772
LG29	76.2	320	20	169	191	348	666	1013
LG29	76.5	546	111	663	918	820	1615	2435
LG29	76.8	525	46	BDL	311	BDL	792	792
LG29	77.1	113	34	276	489	BDL	BDL	
LG29	77.4	269	43	635	1098	578	937	1514
LG29	77.7	141	26	465	722	BDL	743	743
LG29	77.9	24	11	BDL	277	BDL	490	490
LG29	78.2	29		BDL	180	BDL	BDL	
LG29	78.5	23	6	220	BDL	BDL	BDL	
LG29	78.8	37	8	188	347	408	660	1068
LG29	79.1	77	12	BDL	BDL	417	697	1115
LG29	79.4	215	15	296	270	BDL	BDL	
LG29	79.7	611	50	672	1478	450	1115	1565
LG29	80	740	78	1790	2347	BDL	1319	1319
LG29	80.3	875	40	511	842	BDL	BDL	
LG29	80.6	781	56	528	618	BDL	508	508
LG29	80.9	731	49	643	1181	421	BDL	421
LG29	81.2	845	25	377	746	BDL	BDL	
LG29	81.5	732	34	454	718	BDL	BDL	
LG29	81.8	844	39	1021	1608	520	937	1457
LG29	82.1	468	26	524	910	398	812	1210
LG29	82.4	761	33	1003	1775	410	705	1115
LG29	82.7	201	29	294	724	BDL	767	767
LG29	83	324	21	232	528	727	1546	2272
LG29	83.3	305	25	395	813	667	1598	2265
LG29	83.6	230	46	595	1039	BDL	1405	1405
LG29	83.9	397	128	1507	3056	580	2090	2670
LG29	84.2	233	31	273	488	772	1138	1910
LG29	84.5	246	24	328	575	BDL	705	705
LG29	84.8	205	23	252	560	BDL	694	694
LG29	85.1	196	24	267	380	320	692	1012
LG29	85.4	231	29	BDL	496	474	577	1051
LG29	85.7	242	34	249	659	379	561	940
LG29	86	306	55	350	621	626	1331	1957
LG29	86.3	781	145	1147	1947	556	1660	2216
LG29	86.6	289	41	248	453	BDL	1160	1160
LG29	86.9	376	42	BDL	593	BDL	1054	1054
LG29	87.2	136	23	905	1336	446	1142	1588
LG29	87.5	519	15	BDL	393	708	1245	1953

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG29	87.8	697	28	735	1543	913	2111	3024
LG29	88.1	636	37	540	1242	805	2127	2932
LG29	88.4	763	57	676	1641	BDL	2092	2092
LG29	88.7	603	46	445	607	BDL	839	839
LG29	89	393	37	BDL	347	297	856	1153
LG29	89.3	542	51	439	809	349	914	1263
LG29	89.6	4935	260	1545	2883	BDL	1885	1885
LG29	89.9	2615	111	1752	3082	925	2433	3358
LG29	90.2	956	91	1389	2249	BDL	1582	1582
LG29	90.5	312	32	258	648	BDL	629	629
LG29	90.8	778	42	405	584	BDL	BDL	
LG29	91.1	633	51	604	1077	341	712	1053
LG29	91.4	536	54	1086	1880	548	1244	1792
LG29	91.7	87	13	303	271	391	544	935
LG29	92	1040	104	3080	4831	756	2160	2917
LG29	92.3	473	54	798	1484	BDL	771	771
LG29	92.6	362	27	602	1091	BDL	713	713
LG29	92.9	467	36	668	813	BDL	BDL	
LG29	93.2	532	33	393	726	BDL	BDL	
LG29	93.5	261	26	346	271	BDL	BDL	
LG29	93.8	580	46	473	780	BDL	923	923
LG29	94.1	665	74	995	1164	BDL	BDL	
LG29	94.4	26	7	BDL	200	BDL	BDL	
LG29	94.7	319	30	438	675	BDL	569	569
LG29	95	236	25	598	1093	BDL	810	810
LG29	95.3	136	28	252	533	BDL	772	772
LG29	95.6	228	35	480	948	BDL	1072	1072
LG29	95.9	281	24	677	1013	490	1319	1809
LG29	96.2	427	48	432	919	466	1591	2057
LG29	96.4	1367	21	231	259	BDL	BDL	
LG29	96.7	458	17	379	775	457	1161	1617
LG29	97	28	8	238	245	BDL	BDL	
LG29	97.3	253	24	125	197	BDL	391	391
LG29	97.6	150	19	321	503	BDL	885	885
LG29	97.9	316	39	259	571	488	745	1233
LG29	98.2	159	38	BDL	412	648	1515	2163
LG29	98.5	118	229	BDL	433	BDL	1436	1436
LG29	98.8	319	50	739	1066	517	1523	2040
LG29	99.1	279	54	759	1469	566	989	1555
LG29	99.4	138	21	BDL	715	BDL	991	991
LG29	99.7	282	27	237	485	439	928	1367
LG29	100	322	23	BDL	537	BDL	1202	1202
LG29	100.3	335	21	BDL	361	BDL	1063	1063
LG29	100.6	293	25	249	BDL	BDL	1055	1055
LG29	100.9	445	36	440	857	770	1743	2513
LG29	101.2	453	32	288	657	538	934	1472
LG29	101.5	29	9	BDL	BDL	BDL	BDL	
LG29	101.8	8		BDL	BDL	BDL	BDL	
LG29	102.1	275	61	428	706	BDL	BDL	
LG29	102.4	268	12	309	567	505	904	1409
LG29	102.7	BDL		BDL	BDL	BDL	BDL	
LG29	103	128	6	BDL	BDL	BDL	BDL	
LG29	103.3	150	14	657	1379	664	1760	2424
LG29	103.6	357	21	1095	1870	BDL	1364	1364
LG29	103.9	852	108	668	1474	402	1300	1703
LG29	104.2	630	60	493	980	BDL	684	684
LG29	104.5	363	52	509	791	BDL	667	667
LG29	104.8	21		BDL	BDL	BDL	BDL	
LG29	105.1	305	75	1199	2130	BDL	1463	1463
LG29	105.4	548	93	4469	8010	1277	4127	5404
LG29	105.7	11	9	596	1172	478	787	1265
LG29	106	130	10	227	BDL	BDL	BDL	
LG29	106.3	33	7	BDL	BDL	BDL	BDL	
LG29	106.6	150	7	202	308	410	895	1305
LG29	106.9	846	23	216	371	312	640	952
LG29	107.2	504	46	562	884	BDL	BDL	
LG29	107.5	233	52	839	766	BDL	440	440
LG29	107.8	364	35	781	1338	BDL	BDL	
LG29	108.1	1574	15	462	481	367	681	1048
LG29	108.4	42	9	222	379	BDL	BDL	
LG29	108.7	24	5	172	BDL	BDL	BDL	
LG29	109	195	119	329	358	BDL	BDL	
LG29	109.8	644	50	609	1273	BDL	875	875
LG29	110.1	1652	358	3478	5918	844	2983	3827
LG29	110.4	739	214	894	1147	456	859	1314

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG29	110.7	910	223	512	848	BDL	583	583
LG29	111	409	241	1524	2145	518	1375	1893
LG29	111.3	5954	813	5390	9346	1508	4530	6038
LG29	111.6	1030	292	1387	2464	690	1681	2370
LG29	111.9	231	60	697	1231	1289	2067	3356
LG29	112.2	66	50	214	452	BDL	BDL	
LG29	112.5	380	46	302	547	400	621	1021
LG29	112.8	405	73	282	505	BDL	739	739
LG29	113.1	317	19	354	377	464	957	1421
LG29	113.4	306	19	219	324	BDL	600	600
LG29	113.7	384	44	BDL	482	BDL	675	675
LG29	114	400	42	328	631	536	941	1477
LG29	114.3	380	32	670	1164	612	1117	1729
LG29	114.6	397	43	712	1161	484	1139	1623
LG29	114.9	618	203	589	838	363	498	861
LG29	115.2	685	213	984	1476	584	1744	2328
LG29	115.4	1808	302	4733	8689	1034	3686	4720
LG29	115.7	921	108	2411	3708	632	2152	2784
LG29	116	232		171	233	BDL	434	434
LG29	116.3	2842	17	BDL	293	BDL	BDL	
LG29	116.6	931	114	3038	5315	BDL	3041	3041
LG29	116.9	379	13	534	657	BDL	705	705
LG29	117.2	849	72	1415	2371	570	1416	1986
LG29	117.5	987	82	3019	5237	1015	3258	4273
LG29	117.8	721	57	2236	4452	635	2799	3434
LG29	118.1	335	50	1290	2421	490	1604	2094
LG29	118.4	379	76	992	1463	BDL	1004	1004
LG29	118.7	518	402	585	727	533	BDL	533
LG29	119	577	294	12374	20888	2393	9113	11507
LG29	119.3	428	194	6272	12414	1773	6254	8027
LG29	119.6	487	65	764	1230	401	739	1140
LG29	119.9	156	91	1334	2167	333	1113	1446
LG28	1.5	629	50	594	696	BDL	513	513
LG28	1.8	227	20	315	475	BDL	BDL	
LG28	2.1	314	52	1606	2859	579	1004	1582
LG28	2.4	352	75	786	1367	BDL	543	543
LG28	2.7	372	75	1389	2001	353	762	1115
LG28	3	57	22	225	458	BDL	BDL	
LG28	3.3	292	48	1486	2275	397	BDL	397
LG28	3.6	222	39	288	564	BDL	BDL	
LG28	3.9	480	82	2188	4356	423	956	1378
LG28	4.2	460	73	1663	3392	BDL	777	777
LG28	4.5	615	74	2764	5515	416	1464	1880
LG28	4.8	463	72	1122	2582	BDL	746	746
LG28	5.1	434	69	2320	5127	BDL	1101	1101
LG28	5.4	416	56	1020	2082	484	614	1098
LG28	5.7	390	44	1524	2828	BDL	1196	1196
LG28	6	428	57	2388	3867	659	1442	2101
LG28	6.3	481	64	6714	13040	1723	5062	6785
LG28	6.6	747	108	5770	8262	977	2643	3620
LG28	6.9	1246	184	6668	11898	1221	3308	4528
LG28	7.2	862	113	7112	9871	BDL	2066	2066
LG28	7.5	210	60	2443	3976	847	1888	2735
LG28	7.8	466	291	17924	34656	2858	7887	10745
LG28	8.1	436	80	2931	5461	600	2290	2890
LG28	8.4	397	67	921	1529	BDL	627	627
LG28	8.7	217	61	1465	3259	562	679	1242
LG28	9	512	58	1445	1629	BDL	764	764
LG28	9.3	689	48	1514	2917	BDL	1473	1473
LG28	9.6	434	58	735	1500	BDL	704	704
LG28	9.9	343	72	1761	3190	BDL	1118	1118
LG28	10.2	427	128	5997	10314	887	2920	3807
LG28	10.5	349	117	3177	8806	769	1702	2470
LG28	10.8	799	134	8657	11264	1407	4203	5611
LG28	11.1	544	59	2934	3886	587	1612	2199
LG28	11.4	406	36	1299	1729	BDL	797	797
LG28	11.7	344	31	1016	1395	664	1252	1915
LG28	12	58	20	855	1132	BDL	594	594
LG28	12.3	271	18	521	1144	BDL	769	769
LG28	12.6	393	27	1758	1863	BDL	1155	1155
LG28	12.9	460	37	1607	2318	BDL	1609	1609
LG28	13.2	153	33	525	918	813	BDL	813
LG28	13.5	422	115	6788	7178	1591	3422	5012
LG28	13.8	353	66	2400	3694	733	1782	2515
LG28	14.1	431	61	1742	2724	BDL	800	800

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG28	14.4	807	167	10028	5394	1316	3246	4562
LG28	14.7	344	412	27843	24594	3874	11757	15630
LG28	15	386	434	23477	17262	3498	11665	15163
LG28	15.3	246	482	39073	22286	5657	16684	22341
LG28	15.6	155	450	32309	16404	4834	13570	18404
LG28	15.9	496	292	11793	18785	1878	5082	6961
LG28	16.2	375	302	38798	22057	4894	13793	18687
LG28	16.5	336	266	22231	11010	3390	8773	12163
LG28	16.8	866	112	5599	5755	BDL	1511	1511
LG28	17.1	785	81	5982	4923	719	1795	2514
LG28	17.4	458	114	8463	5920	866	2536	3402
LG28	17.7	765	99	2819	3412	610	1774	2384
LG28	18	705	103	2327	7638	646	1509	2155
LG28	18.3	767	127	6022	6752	894	3123	4018
LG28	18.6	583	113	11802	12892	1687	3480	5167
LG28	18.9	467	127	6571	8762	926	3412	4338
LG28	19.2	510	90	10670	15919	1717	5255	6971
LG28	19.5	772	132	3775	5159	636	1922	2558
LG28	19.8	321	119	2531	4204	875	1646	2521
LG28	20.1	416	81	848	1308	BDL	BDL	
LG28	20.4	303	101	3134	5142	BDL	2058	2058
LG28	20.7	282	93	2898	5841	BDL	1530	1530
LG28	21	330	157	3557	6314	786	2208	2995
LG28	21.3	520	289	8182	5987	1401	4660	6061
LG28	21.6	474	102	3354	1895	463	1187	1650
LG28	21.9	65	107	3907	2359	BDL	1321	1321
LG28	22.2	69	24	393	734	BDL	771	771
LG28	22.5	83	12	BDL	361	BDL	BDL	
LG28	22.8	187	39	973	1083	493	BDL	493
LG28	23.1	204	38	1147	1109	BDL	908	908
LG28	23.4	272	58	682	762	BDL	BDL	
LG28	23.7	384	56	1880	2241	775	1489	2264
LG28	24	499	108	7972	6169	1348	2889	4237
LG28	24.3	497	137	4527	5834	770	2206	2976
LG28	24.6	744	215	9658	14312	2630	6996	9625
LG28	24.9	377	153	4228	4931	663	1979	2643
LG28	25.2	997	382	BDL	BDL	BDL	BDL	
LG28	25.5	741	118	5968	7498	749	2110	2859
LG28	25.8	329	107	5077	6845	669	3012	3681
LG28	26.1	325	151	8918	10716	1703	4754	6457
LG28	26.4	3624	140	1174	53601	BDL	1282	1282
LG28	26.7	134	74	2040	14555	BDL	BDL	
LG28	27	332	35	1541	2519	BDL	1998	1998
LG28	27.3	784	76	4679	8604	1088	3089	4177
LG28	27.6	635	201	661	2256	BDL	923	923
LG28	27.9	615	222	1033	2458	697	1774	2471
LG28	28.2	623	124	2862	3300	1142	2487	3629
LG28	28.5	437	44	663	1385	BDL	1887	1887
LG28	28.8	361	47	1312	1948	538	1591	2129
LG28	29.1	59	17	706	475	BDL	BDL	
LG28	29.4	144	26	684	1059	693	1550	2243
LG28	29.7	99	19	BDL	463	BDL	BDL	
LG28	30	139	30	329	671	BDL	BDL	
LG28	30.3	74	14	331	381	BDL	544	544
LG28	30.6	181	32	397	504	BDL	BDL	
LG28	30.9	127	21	537	841	BDL	BDL	
LG28	31.2	750	94	1746	3904	635	1973	2608
LG28	31.5	129	33	405	523	BDL	BDL	
LG28	31.8	668	95	647	1444	BDL	1246	1246
LG28	32.1	620	48	2282	3416	1189	2002	3191
LG28	32.4	263	35	419	840	444	774	1218
LG28	32.7	829	29	512	1442	BDL	688	688
LG28	33	898	48	3107	4903	564	1606	2171
LG28	33.3	1196	37	2813	3934	BDL	1355	1355
LG28	33.6	818	21	474	818	514	1159	1673
LG28	33.9	505	126	21162	29111	3199	8028	11227
LG28	34.2	39		BDL	242	BDL	663	663
LG28	34.5	133	18	422	673	BDL	BDL	
LG28	34.8	97	14	330	639	BDL	944	944
LG28	35.1	61	21	430	716	BDL	604	604
LG28	35.4	469	41	544	1315	BDL	829	829
LG28	35.7	305	40	518	870	BDL	681	681
LG28	36	304	25	482	833	593	BDL	593
LG28	36.3	29	19	511	557	382	531	913
LG28	36.6	62	50	284	452	BDL	637	637

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG28	36.9	438	17	274	624	BDL	587	587
LG28	37.2	105	10	BDL	367	471	1093	1564
LG28	37.5	48	78	439	1717	BDL	BDL	
LG28	37.8	213		171	533	362	634	996
LG28	38.1	104	21	155	609	BDL	BDL	
LG28	38.4	394	71	1064	2069	BDL	1225	1225
LG28	38.7	544	117	934	2079	BDL	1218	1218
LG28	39	286	27	441	796	BDL	541	541
LG28	39.3	475	39	420	1076	512	1350	1863
LG28	39.6	569	52	819	1282	488	988	1476
LG28	39.9	626	57	798	1415	531	1344	1875
LG28	40.2	633	48	711	971	BDL	1104	1104
LG28	40.5	615	50	460	971	643	904	1548
LG28	40.8	262	26	1149	1865	389	1088	1477
LG28	41	460	62	1295	2475	BDL	1185	1185
LG28	41.3	766	74	521	1248	BDL	924	924
LG28	41.6	136	9	280	508	538	BDL	538
LG28	41.9	508	88	1341	2577	796	1965	2761
LG28	42.2	743	192	1872	3194	865	3425	4290
LG28	42.5	853	79	1188	1905	901	2055	2956
LG28	42.8	770	82	1768	3697	609	2288	2898
LG28	43.1	424	39	9441	15377	1400	4345	5745
LG28	43.4	741	45	6417	9233	1239	2611	3850
LG28	43.7	752	15	5743	8012	737	2572	3309
LG28	44	142	20	11635	15247	1346	3778	5124
LG28	44.3	191	20	2739	4079	484	1376	1860
LG28	44.6	119		7228	12580	1525	4451	5976
LG28	44.9	120	27	13106	19873	2057	5677	7735
LG28	45.2	53		5518	8825	562	2365	2927
LG28	45.5	78	32	2149	2867	BDL	1614	1614
LG28	45.8	186		1571	2124	495	1389	1884
LG28	46.1	132		2038	1488	465	1280	1744
LG28	46.4	76		2098	4348	681	2429	3110
LG28	46.7	157		2660	4471	1373	2691	4064
LG28	47	88	14	6108	9451	779	3148	3927
LG28	47.3	724	103	1148	1616	583	1178	1761
LG28	47.6	586	63	1515	2491	589	1985	2575
LG28	47.9	509	25	4053	6099	834	3289	4124
LG28	48.2	245	32	5321	6592	835	3438	4273
LG28	48.5	70	65	14055	18046	1746	5083	6829
LG28	48.8	867		333	787	BDL	1276	1276
LG28	49.1	178	21	4179	4895	552	2335	2886
LG28	49.4	118	20	5143	3692	689	1551	2240
LG28	49.7	348	23	4913	6074	1392	3854	5247
LG28	50	129	64	19401	21876	1912	6421	8333
LG28	50.3	86	48	7279	12651	1369	4065	5434
LG28	50.6	230	22	1225	1963	673	1875	2548
LG28	50.9	147	48	869	1796	BDL	1492	1492
LG28	51.2	224	29	783	1776	BDL	696	696
LG28	51.5	262	150	27567	46580	4420	12970	17390
LG28	51.8	127	16	4034	5788	624	2128	2752
LG28	52.1	460	40	2194	4141	916	2674	3590
LG28	52.4	230	12	BDL	481	584	1451	2035
LG28	52.7	161	19	1738	3323	BDL	2042	2042
LG28	53	285	42	5160	8014	1058	3317	4375
LG28	53.3	282		1064	1393	BDL	2206	2206
LG28	53.6	271	43	10793	16447	1597	5930	7527
LG28	53.9	246	37	6617	11360	1112	4767	5879
LG28	54.2	462	25	2341	3871	BDL	2145	2145
LG28	54.5	1096	27	3341	5525	972	3570	4542
LG28	54.8	136	14	2043	2964	BDL	1518	1518
LG28	55.1	78	21	6273	7743	1181	3137	4319
LG28	55.4	658	128	824	1489	BDL	907	907
LG28	55.7	206	40	949	1295	BDL	BDL	
LG28	56	57	81	20651	27534	2418	6149	8567
LG28	56.3	1226	901	12384	15609	2419	11608	14027
LG28	56.6	133	184	80101	95145	8578	20833	29410
LG28	56.9	598	191	2853	4056	830	3075	3905
LG28	57.2	219	38	4014	6743	1183	3488	4672
LG28	57.5	187	60	4828	9418	1043	4107	5150
LG28	57.8	144	21	2344	4022	639	1918	2558
LG28	58.1	352	141	2079	2858	758	2761	3518
LG28	58.4	273	30	768	1338	691	1741	2432
LG28	58.7	593	90	709	1594	605	1972	2577
LG28	59	387	87	607	998	BDL	1057	1057

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG28	59.3	132	21	416	865	620	849	1469
LG28	59.6	372	53	879	1474	BDL	1235	1235
LG28	59.9	403	68	701	1484	BDL	1212	1212
LG28	60.2	715	111	1865	3430	777	2784	3560
LG28	60.5	958	149	1571	3098	675	2112	2787
LG28	60.8	238	38	744	1117	BDL	725	725
LG28	61.1	533	76	645	1133	BDL	BDL	
LG28	61.4	248	20	223	378	434	987	1421
LG28	61.7	496	56	1233	2006	BDL	1264	1264
LG28	62	494	58	878	1230	BDL	BDL	
LG28	62.3	182	33	552	713	BDL	826	826
LG28	62.6	187	36	722	1752	572	1236	1808
LG28	62.9	738	64	1048	1602	BDL	720	720
LG28	63.2	213	44	806	1234	BDL	BDL	
LG28	63.5	285	54	475	766	391	667	1058
LG28	63.8	423	19	362	710	561	1172	1732
LG28	64.1	821	25	390	785	506	1433	1940
LG28	64.4	904	20	386	527	515	1141	1656
LG28	64.7	250	43	1113	1731	BDL	1024	1024
LG28	65	250		BDL	548	581	1372	1953
LG28	65.3	214	161	1589	2651	665	2493	3158
LG28	65.6	128	55	778	1140	623	952	1575
LG28	65.9	52	20	790	1551	777	2441	3218
LG28	66.2	97		BDL	366	BDL	BDL	
LG28	66.5	176	40	4960	9389	1458	4832	6290
LG28	66.8	979	74	783	1359	BDL	BDL	
LG28	67.1	494	42	1349	2126	675	1872	2547
LG28	67.4	247	34	605	1115	BDL	978	978
LG28	67.7	742	19	292	609	BDL	877	877
LG28	68	133	21	299	354	BDL	1025	1025
LG28	68.3	301	19	BDL	535	536	1150	1687
LG28	68.6	330	30	652	1413	817	1541	2358
LG28	68.9	316	54	784	1631	464	1520	1983
LG28	69.2	267	44	1202	2184	1054	1397	2451
LG28	69.5	240	40	512	1212	750	1494	2244
LG28	69.8	444	36	558	803	BDL	1446	1446
LG28	70.1	178	29	474	867	657	1264	1921
LG28	70.4	201	25	453	594	BDL	818	818
LG28	70.7	147	25	379	984	661	1927	2588
LG28	71	314	54	441	1034	455	1003	1459
LG28	71.3	343	16	3992	6240	759	2384	3143
LG28	71.6	319		1946	3450	707	2102	2809
LG28	71.9	366	14	3795	5325	926	2506	3432
LG28	72.2	52		362	642	BDL	393	393
LG28	72.5	264		5161	8496	1127	3189	4316
LG28	72.8	294	14	2955	4636	594	2098	2692
LG28	73.1	219		3679	5752	440	1687	2127
LG28	73.4	114		3875	5937	875	2467	3342
LG28	73.7	414		449	770	BDL	618	618
LG28	74	390		3364	6391	821	2915	3736
LG28	74.3	1766	30	3104	3986	BDL	1963	1963
LG28	74.6	918	14	2623	4158	599	2347	2946
LG28	74.9	396	18	6569	8619	1010	2686	3696
LG28	75.2	1186	17	497	913	BDL	880	880
LG28	75.5	1231	28	4428	6404	953	3069	4022
LG28	75.8	328	24	2060	4735	BDL	2999	2999
LG28	76.1	558		848	1783	576	1455	2031
LG28	76.4	393	32	3145	4019	952	1807	2760
LG28	76.7	428	27	2296	3758	BDL	2122	2122
LG28	77	560	34	942	1604	BDL	BDL	
LG28	77.3	497	35	718	1090	693	1222	1916
LG28	77.6	304		573	958	BDL	673	673
LG28	77.9	744	39	1404	2699	BDL	1777	1777
LG28	78.2	216	75	2090	5080	1004	3249	4253
LG28	78.5	201	65	BDL	1526	BDL	2298	2298
LG28	78.8	339	39	1653	2376	1276	1853	3129
LG28	79.1	176		609	1414	440	1147	1586
LG28	79.4	135	42	13228	27200	3122	11641	14762
LG28	79.7	2162	39	2575	4375	BDL	1760	1760
LG28	80	235	19	746	1326	940	1728	2668
LG28	80.3	293	28	1318	1912	BDL	1577	1577
LG28	80.6	249	26	672	1109	BDL	906	906
LG28	80.9	307	28	809	1367	643	1659	2302
LG28	81.2	311	12	1289	2427	BDL	1099	1099
LG28	81.5	195	47	395	866	602	1228	1830

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG28	81.8	346	431	661	919	BDL	947	947
LG28	82.1	156	155	468	764	426	1026	1453
LG28	82.4	1355	27	1001	1848	BDL	1272	1272
LG28	82.7	1852	21	5169	8571	1217	3459	4676
LG28	83	1021	21	1646	2436	BDL	1127	1127
LG28	83.3	677	10	516	902	BDL	BDL	
LG28	83.6	1020	10	409	830	BDL	BDL	
LG28	83.9	494	19	2452	3435	728	2663	3391
LG28	84.2	370	20	3579	4487	1058	2558	3616
LG28	84.8	582	31	786	1500	BDL	911	911
LG28	85.1	935	15	700	923	BDL	BDL	
LG28	85.4	355	23	2514	3411	851	2230	3080
LG28	85.4	566	30	504	889	BDL	888	888
LG28	85.7	785	18	671	1185	BDL	997	997
LG28	86	292	27	601	1212	BDL	828	828
LG28	86.3	489	21	826	1572	BDL	887	887
LG28	86.6	715	10	219	264	BDL	BDL	
LG28	86.9	599	30	609	922	BDL	841	841
LG28	87.2	484	23	432	698	BDL	750	750
LG28	87.5	461	30	462	723	BDL	BDL	
LG28	87.8	278	18	842	1175	470	864	1334
LG28	88.1	280	21	579	892	BDL	726	726
LG28	88.4	260	9	373	555	533	745	1278
LG28	88.7	225	15	552	665	BDL	BDL	
LG28	89	193	15	527	772	690	1165	1855
LG28	89.3	252	13	663	912	BDL	713	713
LG28	89.6	221	23	389	754	BDL	BDL	
LG28	89.9	220	27	813	1729	719	1337	2056
LG28	90.2	520	83	338	999	BDL	BDL	
LG28	90.5	329	11	413	837	717	1628	2345
LG28	90.8	143	25	1130	2513	600	2214	2814
LG28	91.1	815	14	2846	4506	956	1612	2567
LG28	91.4	183	108	1122	2269	643	1827	2470
LG28	91.7	307	44	553	1042	480	992	1472
LG28	92	292	37	389	793	495	1145	1640
LG28	92.3	272	49	655	1251	633	1381	2014
LG28	92.6	541	42	736	1385	BDL	1499	1499
LG28	92.9	433	40	678	994	BDL	BDL	
LG28	93.2	561	55	1141	2095	555	1455	2010
LG28	93.5	181	29	355	1034	762	1620	2381
LG28	93.8	282	50	528	1229	1145	2067	3212
LG28	94.1	81	25	268	856	613	974	1586
LG28	94.4	480	75	1361	2353	924	2561	3485
LG28	94.7	1102	154	1594	2902	691	2639	3330
LG28	95	46	73	56679	76870	7169	19601	26770
LG28	95.3	405	124	1246	2293	431	1117	1548
LG28	95.6	239	29	4209	6477	1508	3377	4885
LG28	95.9	265	31	2804	3902	569	1235	1804
LG28	96.2	175	58	3120	4778	920	2511	3431
LG28	96.5	320	59	27104	44203	4322	14432	18754
LG28	96.8	104	84	5024	10493	1435	5332	6767
LG28	97.1	98	29	3371	6703	640	2823	3463
LG28	97.4	1128	82	1270	2537	693	1820	2513
LG28	97.7	647	102	4786	9811	1411	4331	5742
LG28	98	1045	86	1152	1900	660	1705	2364
LG28	98.3	214	40	638	1176	BDL	1433	1433
LG28	98.6	294	36	865	1641	BDL	1240	1240
LG28	98.9	132	25	567	1022	813	1522	2335
LG28	99.2	249	34	776	1272	778	784	1562
LG28	99.5	295	44	5136	8103	1225	4372	5597
LG28	99.8	372	44	5728	8908	1193	3495	4689
LG28	100.1	329	52	5798	7848	1283	3473	4756
LG28	100.4	256	52	6149	11308	1612	5109	6721
LG28	100.7	322	43	6997	10251	1345	4424	5769
LG28	101	656	79	1247	2187	655	1942	2597
LG28	101.3	320	40	554	964	BDL	1037	1037
LG28	101.6	BDL		7994	12087	1161	3861	5023
LG28	101.9	116	13	643	807	BDL	1296	1296
LG28	102.2	177	23	589	913	BDL	804	804
LG28	102.5	390	48	4595	7368	1091	3715	4806
LG28	102.8	394	41	4368	6444	1060	3496	4555
LG28	103.1	121	24	10256	16615	1782	4863	6645
LG28	103.4	837	143	1965	3945	755	3032	3787
LG28	103.7	854	144	1542	3480	BDL	2178	2178
LG28	104	562	74	989	2363	918	2659	3577

For personal use only

Hole ID	Depth	Nb_2O_5 ppm	Y_2O_3 ppm	La_2O_3 ppm	CeO_2 ppm	Pr_6O_{11} ppm	Nd_2O_3 ppm	NdPr Oxide ppm
LG28	104.3	214	32	5595	8453	780	3856	4636
LG28	104.6	258	36	4547	7013	971	2783	3754
LG28	104.9	146	31	1137	1990	423	1247	1670
LG28	105.2	74	14	237	435	382	BDL	382
LG28	105.5	272	35	357	942	861	1705	2565
LG28	105.8	1343	70	1754	3175	460	1499	1959
LG28	106.1	539	56	939	1659	BDL	838	838
LG28	106.4	75	10	348	591	424	584	1008
LG28	106.7	87	23	250	379	364	BDL	364
LG28	107	39	9	437	558	BDL	1106	1106
LG28	107.3	25	8	418	509	BDL	BDL	
LG28	107.6	66		184	294	BDL	BDL	
LG28	107.9	213	18	383	681	BDL	BDL	
LG28	108.2	38	6	374	452	BDL	BDL	
LG28	108.5	155	30	2460	4286	BDL	1832	1832
LG28	108.8	43		4072	6810	835	2510	3345
LG28	109.1	42	19	3699	6086	1002	2108	3110
LG28	109.4	58	34	3419	5803	1357	3355	4712
LG28	109.7	79	34	8639	13712	1810	6128	7938
LG28	110	63	35	2390	4048	578	1754	2333
LG28	110.3	375	72	13987	21979	1965	6732	8697
LG28	110.6	40	23	5180	8266	BDL	4073	4073
LG28	110.9	105	35	5479	7878	834	2960	3794
LG28	111.2	137	16	6665	10548	1388	3555	4943
LG28	111.5	97	10	666	1100	BDL	623	623
LG28	111.8	307		2243	2902	BDL	981	981
LG28	112.1	64	21	1880	2832	526	1107	1632
LG28	112.4	1018		295	528	BDL	BDL	
LG28	112.7	718	42	1573	2519	BDL	1235	1235
LG28	113	217	23	2390	4623	1150	3586	4735
LG28	113.3	25	50	5957	9310	1396	4153	5549
LG28	113.6	BDL		1763	2803	BDL	1501	1501
LG28	113.9	8	8	3030	4013	514	1409	1923
LG28	114.2	181		BDL	248	BDL	BDL	
LG28	114.5	129	18	BDL	BDL	447	873	1320
LG28	114.8	46	19	BDL	251	BDL	764	764
LG28	115.1	45	6	212	279	BDL	BDL	
LG28	115.4	99	6	BDL	BDL	495	BDL	495
LG28	115.7	55	7	227	264	BDL	BDL	
LG28	116	28		BDL	BDL	BDL	BDL	
LG28	116.3	100	13	538	414	BDL	649	649
LG28	116.6	11	9	BDL	BDL	386	725	1111
LG28	116.9	197	50	BDL	450	BDL	529	529
LG28	117.2	467	10	1197	1989	BDL	676	676
LG28	117.5	335	19	566	1053	480	748	1228
LG28	117.8	84		BDL	375	343	737	1080
LG28	118.1	17	12	BDL	BDL	BDL	BDL	
LG28	118.4	48	11	BDL	BDL	BDL	BDL	
LG28	118.7	258	14	616	987	403	983	1386
LG28	119	27	8	199	330	BDL	BDL	
LG28	119.3	38		252	443	BDL	BDL	
LG28	119.6	123	15	BDL	BDL	BDL	1343	1343
LG28	119.9	9		BDL	BDL	BDL	1213	1213
LG28	120.2	24	6	259	505	373	551	924
LG28	120.5	33	14	BDL	553	720	2344	3064
LG28	120.8	56	14	511	590	BDL	1250	1250
LG28	121.1	9		BDL	426	584	1286	1870
LG28	121.4	15	6	BDL	254	385	BDL	385
LG28	121.7	65		211	319	BDL	BDL	
LG28	122	184	17	283	481	BDL	BDL	
LG28	122.3	17	5	BDL	BDL	BDL	897	897
LG28	122.6	78	15	369	404	BDL	BDL	
LG28	122.9	50	9	317	367	BDL	BDL	
LG28	123.2	BDL		BDL	BDL	BDL	BDL	
LG28	123.5	318	24	523	818	BDL	BDL	
LG28	123.8	136	10	266	404	458	972	1430
LG28	124.1	170	17	482	954	432	669	1100
LG28	124.7	8	8	9956	10223	883	2475	3358
LG28	125	12		452	728	BDL	BDL	
LG28	125.3	26		488	988	511	1272	1783
LG28	125.6	143	16	642	1156	BDL	1351	1351
LG28	125.9	378		224	303	BDL	681	681

For personal use only

Notes: A Vanta M Series 50Kv portable XRF was used to collect readings on the historic core at 20-30cm intervals depending on REE response (20cm for zones with high readings, 30cm for general assessment). Certified Laboratory (CRM's) blanks and standards (OREAS460,461, 462, 463) were scanned and recorded in daily record sheets at approx. every 100 – 150 readings.

All oxide calculations in this table use industry standard stoichimetric element to oxide conversion factors.

The NdPr Oxide Calculation used: Pr_6O_{11} + Nd_2O_3 = NdPr Oxide (ppm)

BDL: Below Detection Limit

For personal use only

JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *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.*	• Sampling comprised grab samples from selected intervals from historic diamond drill core • Due to the historic nature of the drilling detailed information about sample representivity is not available • Historic core sampling used 3m to 5m composites respecting geological contacts and has been provided to Oceana Metals (OCN) in an Excel database • Historic diamond drill core was re-logged and analysed using a handheld portable X-ray fluorescence (pXRF) analyser • Measurements were taken directly on half-core or flat core surfaces at regular 20 - 30cm intervals and over selected geological zones of interest, with particular emphasis on carbonatite-hosted REE mineralisation
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).*	• All historical drilling was vertical from surface using diamond drill rigs and HQ core diameter • Historic diamond drilling completed by previous operators. Drilling techniques are considered appropriate for the lithologies encountered within the carbonatite complex

personal use only

Criteria	JORC Code explanation	Commentary
Drill sample recovery	• *Method of recording and assessing core and chip sample recoveries and results assessed.* • *Measures taken to maximise sample recovery and ensure representative nature of the samples.* • *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.*	• Due to the historic nature of the drilling detailed information about core recovery is not available, however on observation recovery was generally high within competent carbonatite units • OCN has elected to undertake initial grab sampling to verify REE mineralisation from selected drill holes across the project area
Logging	• *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies* • *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* • *The total length and percentage of the relevant intersections logged.*	• For historic drilling, all core was geologically logged with historic drill logs sited by OCN geologists • Geological logging of core is qualitative and descriptive in nature • Core photography has not been sighted by OCN geologists • Historical drill holes have been logged from start to end of hole

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.*
		• The historical drill core is, for the most part weathered and friable and in most cases the core has been halved and historically sampled. For the OCN grab samples, quarter core was used (leaving a full quarter core remaining in the core boxes)
		• For the OCN grab samples, quarter core samples were bagged (plastic sample bags), labelled, and recorded in an Excel spreadsheet prior to dispatch to ALS Belo Horizonte, Brazil (ALS is independent of OCN and its facilities are accredited to the recognized quality standard of International Organization for Standardization/International Electrotechnical Commission (ISO/IEC) 17025: 2005 for all relevant procedures)
		• The following sample preparation was undertaken at the ALS Belo Horizonte facility:
		  ○ Received Sample Weight (WEI-21)
		  ○ Crushing QC Test (CRU-QC)
		  ○ Pulverising QC Test (PUL-QC)
		  ○ Sample Login (LOG-22)
		  ○ Fine Crushing – 70% <2mm (CRU-31)

personal use only

Criteria	JORC Code explanation	Commentary
		○ Split Sample – Riffle Splitter (SPL-21) ○ Pulverise up to 250g 85% <75um (PUL-31) • The following analysis was undertaken at the ALS Lima facility: ○ Whole Rock Package – ICP-AES (ME-ICP06) ○ LOI at 1000°C (OA-GRA05) ○ Lithium Borate Fusion ICP-MS (ME-MS81) ○ Total Calculation for ICP06 (TOT-ICP06) • The following Over Limit analysis was undertaken at the ALS Vancouver facility: ○ Ore Grade Ce by Fusion/ICPMS (Ce-MS85h) ○ High Grade REE by Fusion/ICPMS (ME-MS85h) ○ Ore Grade La by Fusion/ICPMS (La-MS85h) ○ Ore Grade Nb by Fusion/ICPMS (Nb-MS85h) ○ Ore Grade Pr by Fusion/ICPMS (Pr-MS85h) • Internal laboratory control samples included certified standards, blanks, and duplicates • pXRF measurements were conducted directly on core • During the pXRF program, certified blanks and REE CRMs (OREAS 460,461, 462, 463) were scanned and recorded approx. every 100 to 150 readings
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.*	• OCN grab samples were delivered to external laboratories and analysed as detailed above. Assay and laboratory procedures are considered in line with industry standards • No geophysical tools (or other tools) were used in this initial due diligence sampling campaign • Laboratory QA/QC included certified reference materials, blanks and duplicates inserted at industry-standard frequencies. Results fell within acceptable limits • The pXRF instrument was calibrated using factory standards and project-specific reference materials. Daily calibration checks were conducted. Results are considered suitable for reconnaissance and targeting purposes

personal use only

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.*
		• Verification of original drillhole logs and location data was made by OCN professional geologists
		• No twinned holes have been identified on the project
		• There is no record of original data capture for the historical drilling. For the OCN grab samples, data was captured on laptop using Excel spreadsheets
		• No adjustment has been made to the data
		• OCN uses the following definitions:
		  • **TREO (Total Rare Earth Oxides) =** [La2O3] + [CeO2] + [Pr6O11] + [Nd2O3] + [Sm2O3] + [Eu2O3] + [Gd2O3] + [Tb4O7] + [Dy2O3] + [Ho2O3] + [Er2O3] + [Tm2O3] + [Yb2O3] + [Lu2O3] + [Y2O3]
		  • **MREO (Magnet Rare Earth Oxides) =** [Nd2O3] + [Pr6O11] + [Tb4O7] + [Dy2O3]
		  • **NdPr:TREO (NdPr Ratio)** calculation includes the summation of Pr6O11 + Nd2O3 divided by TREO (Total Rare Earth Oxides)
		• pXRF results were compared against laboratory assays for selected intervals. Correlation was assessed and used qualitatively to validate pXRF trends

Location of data points	• *Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	• The drill hole collar information was sourced from historic records and validated where possible. Coordinates are reported in an appropriate local or WGS84 / UTM Zone 23 South grid system • Elevations are derived from historic survey data and/or regional topography
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.*	• The average drill spacing across the project area is 300m x 300m. In the NE section of the project area the drill holes are spaced an average 100 to 150m apart, while to the south a historical regional exploration program spaced drill holes at ~1000m apart • No Mineral Resource or Ore Reserve estimation has been applied to the project at this time • pXRF measurements were targeted to specific lithological zones at a 20 to 30cm spacing and are considered appropriate for exploration-scale interpretation

personal use only

Criteria	JORC Code explanation	Commentary
Orientation of data in relation to geological structure	• *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* • *If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.*	• All historical drill holes were vertical with no angled holes completed • No bias is considered to have been introduced by the existing sampling orientation
Sample security	• *The measures taken to ensure sample security.*	• No material sampling bias is considered to have been introduced by drill orientation relative to known mineralised structures • Historic drill core is stored in a locked, secure and monitored facility • For the OCN grab samples, Chain of Custody is managed and maintained by OCN geologists. Samples were transported to commercial laboratory (ALS) by registered courier (DHL)
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• No external audits or review of the sampling techniques and data have been completed • No independent audits of the pXRF data have been completed at this stage. The methodology aligns with accepted industry practice for early-stage REE exploration

personal use only

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 Serra Negra Project comprises permits 100% held by Songeo Mineração S.A. in the Alto Paranaíba Igneous Province, in the state of Minas Gerais. • Tenement 831.298/1984 is currently under process of application for mining concession • Tenement 831.299/1984 is an Exploration Permit • Tenement 831.796/1984 is an Exploration Permit • Tenement 830.280/1985 is currently under process of application for mining concession • Tenement 830.077/1988 is currently under process of application for mining concession • Tenement 832.785/2007 is an Exploration Permit • Relevant Permits are underway and are a condition precedent of the Acquisition Agreement, to be confirmed prior to Completion
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• Historical drilling by previous explorers total 102 diamond drill holes for 13,805m (average depth 135m, max depth drilled 208.75m) • The historic drilling primarily targeted phosphate mineralization, with no targeting of REE or niobium
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The Serra Negra Alkaline–Carbonatitic Complex is a circular igneous intrusion located in western Minas Gerais, Brazil, near the municipality of Patrocínio. It formed during the Late Cretaceous (~83 million years ago) as part of the Alto Paranaíba Igneous Province, a region known for alkaline and carbonatite magmatism. The complex was emplaced into older metamorphic rocks of the Brasília Belt and appears as a domed structure, capped by strongly weathered lateritic soils. Serra Negra is composed mainly of ultramafic rocks (dunites and phlogopitites), together with carbonatites. These rock types are genetically related and formed through a combination of fractional crystallization, liquid immiscibility between silicate and carbonatite magmas, and metasomatic

personal use only

Criteria	JORC Code explanation	Commentary
		alteration. Carbonatite intrusions commonly cut the ultramafic rocks as veins and dikes, locally transforming dunites into phlogopitite-rich rocks. The carbonatites and associated rocks are rich in phosphate (apatite) and niobium and contain minerals such as magnetite, perovskite, and rare earth–bearing phases. Intense tropical weathering has further concentrated these minerals and elements near the surface.

Drill hole Information	• *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:*
	  • *easting and northing of the drill hole collar*
	  • *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*
	  • *dip and azimuth of the hole*
	  • *down hole length and interception depth*
	  • *hole length.*
	• *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.*
		• All requisite drillhole information is tabulated elsewhere in this release. Refer Appendix A, B and C

Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.* • *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.* • *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	• All significant grab samples have been reported using a cut-off grade of 4% TREO and 0.8%Nb_2O_5 • No data aggregation has been used in this release • No metal equivalents have been used in this release • pXRF results are presented as point data or simple interval averages for interpretive purposes

personal use only

Criteria	JORC Code explanation	Commentary
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').*	• Limited information is available on the geometry of mineralization however all historical drilling was vertical and the mineralization is expected to be flat lying • True widths are unknown at this stage. All reported intervals refer to downhole lengths
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.*	• Relevant plans and sections showing drill hole locations and pXRF trends are presented in the body of the text of this 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.*	• All TREO and Niobium exploration results assayed by Oceana are reported • All significant grab samples have been highlighted in the text using a cut-off grade of 4% TREO and 0.8% Nb_2O_5
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.*	• The pXRF survey assists in identifying REE-enriched zones within the carbonatite and guiding future drilling and sampling programs
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 systematic sampling, laboratory assays, and potential infill drilling are planned to better define the REE mineralisation

personal use only