June 6, 2023

Drilling hits new mineralisation north of Koppamurra Resource

Final assays received in preparation for Resource update in coming quarter

Australian Rare Earths Limited (ASX: AR3) is pleased to announce these additional strong drilling results which point to an increase in the Resource at its Koppamurra ionic clay-hosted rare earths project in South Australia.

The assays, which show the mineralisation extends north and south of the existing Resource, will be included in the Resource update scheduled for the coming quarter.

Significant Intercepts include:

- **KM3640, 5m @ 1,358 ppm TREO from 8m, with 22.0% combined Neodymium/Praseodymium (Nd/Pr) and 3.0% Dysprosium (Dy) – section 2**
- **KM3594, 3m @ 1,483 ppm TREO from 7m, with 31.4% combined Nd/Pr and 2.6% Dy**
- **KM3728, 4m @ 1,436 ppm TREO from 6m, with 25.6% combined Nd/Pr and 2.2% Dy – Section 1**
- **KM3788, 3m @ 1,207 ppm TREO from 8m, with 20.6% combined Nd/Pr and 2.0% Dy**
- **KM3908, 3m @ 1,601 ppm TREO from 4m, with 21.4% combined Nd/Pr and 2.6% Dy**
- **KM4059, 4m @ 1,228 ppm TREO from 3m, with 18.8% combined Nd/Pr and 3.4% Dy**
- **KM4081, 3m @ 1,351 ppm TREO from 2m, with 22.6% combined Nd/Pr and 2.5% Dy**
- **KM4102, 2m @ 1,799 ppm TREO from 2m, with 29.9% combined Nd/Pr and 2.6% Dy**
- **KM4104, 3m @ 1,969 ppm TREO from 3m, with 29.0% combined Nd/Pr and 2.1% Dy**

Acting Managing Director Rick Pobjoy said:

"With the final Assays from the recent drilling now received we are confident mineralisation of the Koppamurra resource extends north and south of the current JORC defined resource and is regionally extensive. While the weather is holding, our drilling continues and will continue while we are able to safely access our exploration areas."

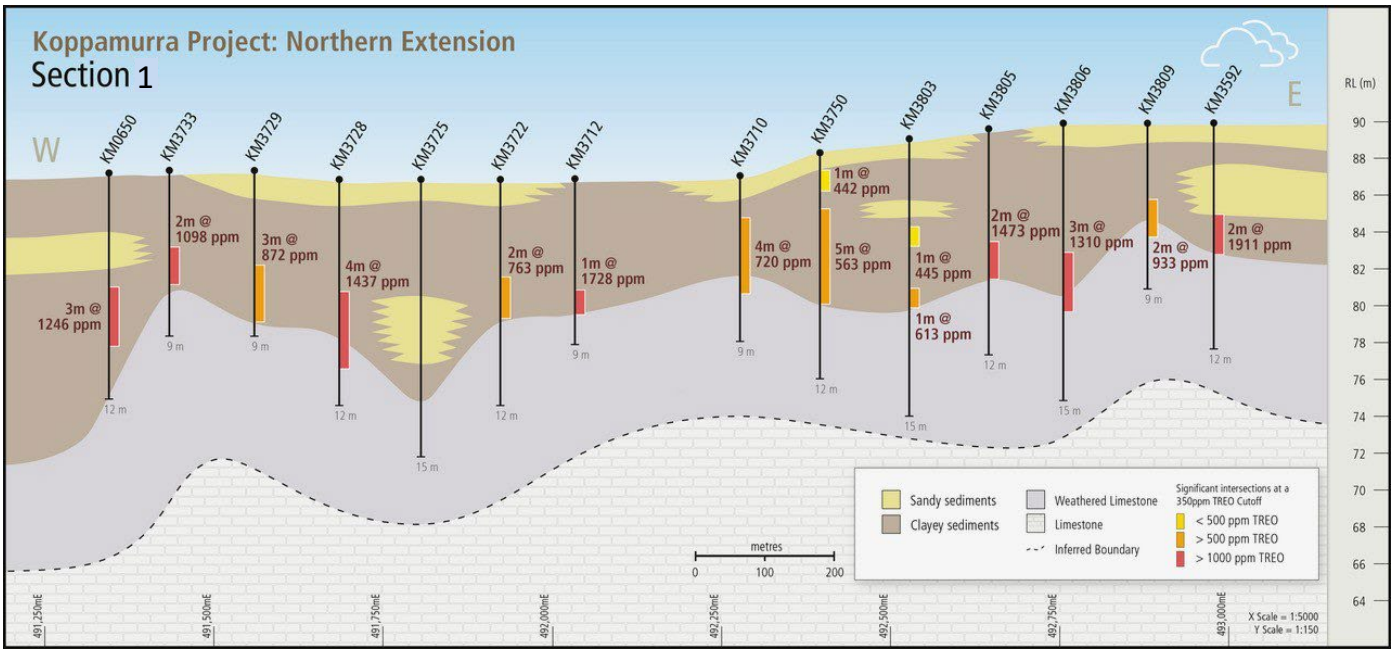
"Many of the significant intercepts that we are observing exceed the current grade of 818ppm TREO used as the basis of the current resource (ASX, April 3rd). If the current trend of assay results detailed in this release and supported by our previous release of assay results (ASX, May 23rd) continue, as we expect them to, we could be in for a considerable uplift in the average TREO grades used to inform our Mineral Resource."

"Bureau Veritas have currently processed around 1,000 more assay samples that our timelines anticipated. This gives us confidence our next resource upgrade can be made in the coming quarter, with a likely further resource upgrade before the end of the year."

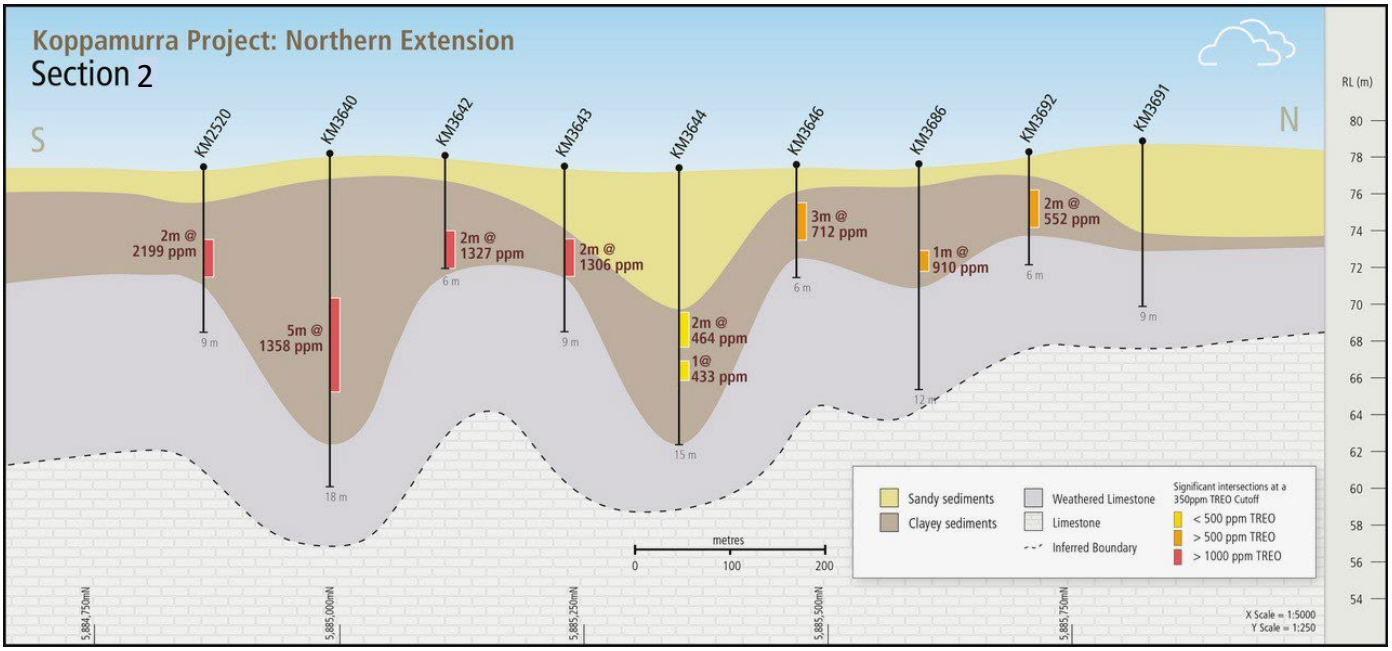
Drilling completed since February 1st on the extensions to the recently updated Mineral Resource Estimate (MRE) at Koppamurra (ASX: 3 April 2023) has included 698 drillholes for 7,363m with an average depth of just 10.5m. Approximately 5,000 additional assays have been generated as part of this drill campaign. As previously advised to market, these assays are forming the basis for an expected significant update to the current MRE scheduled for the next Quarter.

Recent drilling concluded adjacent to and in extension of the Koppamurra JORC Mineral Resource – shown here in Figure 1 – has identified shallow clays over limestone, displaying all the characteristics of the Koppamurra style mineralisation host material. This recent drilling, which has significantly expanded the area prospective for clay hosted rare earth mineralisation adjacent to our existing resource, won't be available for the update to the MRE scheduled for the next Quarter, but will have assays available for a subsequent update in the December Quarter.

Koppamurra road verge drilling



Section 1, Koppamurra Northern Resource Extension



Section 2, Koppamurra Northern Resource Extension

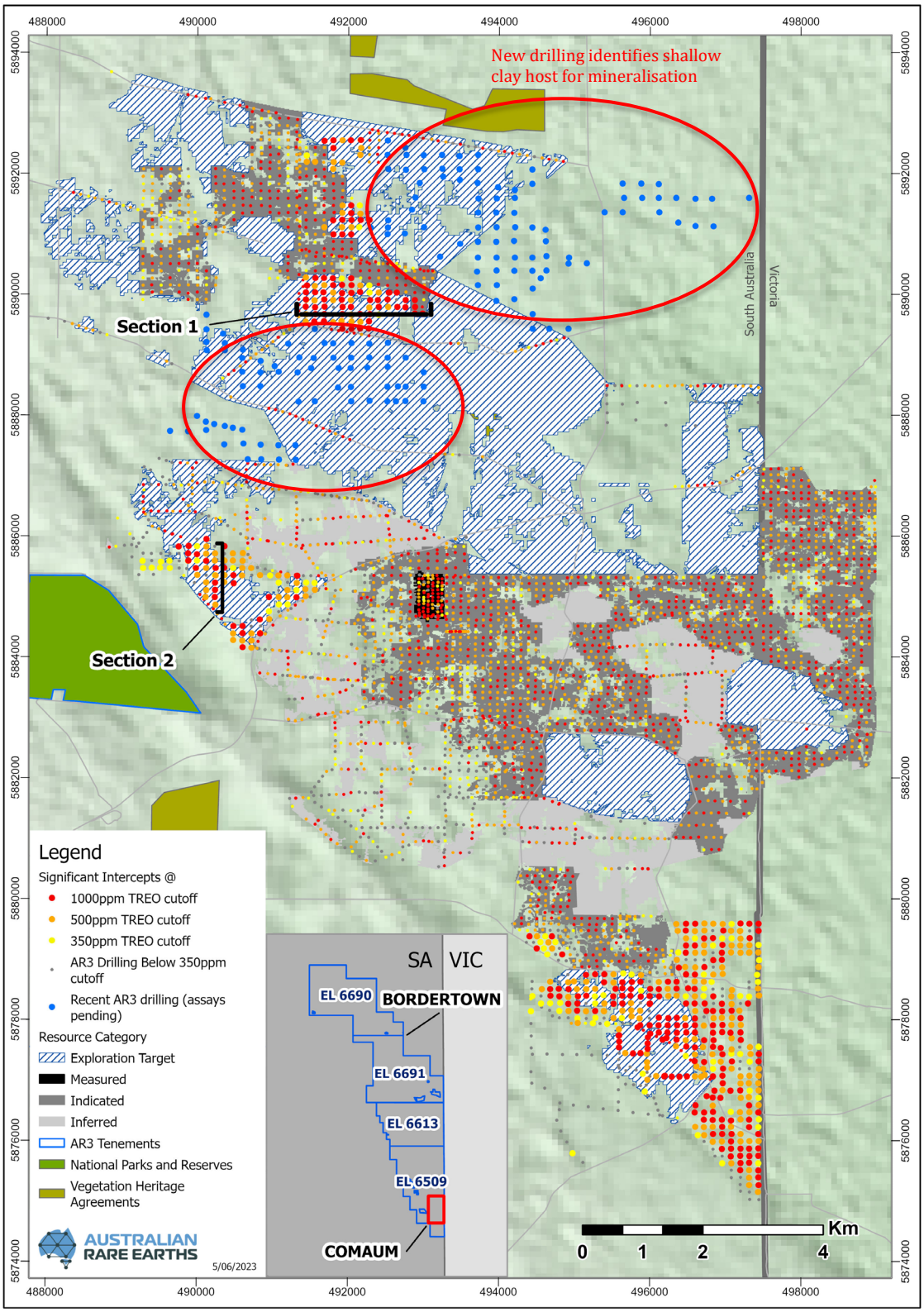


Figure 1, Drillhole and Section Location Plan. New drilling and Significant Intersection identified with larger circles than existing drilling and Significant Intersections overlaying the current resource outlines.

The announcement has been authorised for release the by the Board of AR3 Limited.

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Competent Person Statement

The information in this report that relates to Exploration results is based on information compiled by Australian Rare Earths Limited and reviewed by Mr Rick Pobjoy who is the Acting Managing Director of the Company and a member of the Australian Institute of Mining and Metallurgy (AusIMM). Mr Pobjoy has sufficient experience that is relevant to the style of mineralisation, the type of deposit under consideration and to the activities undertaken to qualify as a Competent person as defined in the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Pobjoy consents to the inclusion in this report of the matters based on this information in the form and context in which it appears.

About Australian Rare Earths Limited

Australian Rare Earths is committed to the timely exploration and development of its 100% owned, flagship Koppamurra Project, located in South Australia and Victoria. Koppamurra is a prospective ionic clay hosted rare earth deposit, uniquely rich in all the elements required in the manufacture of rare earth permanent magnets which are essential components in electric vehicles, wind turbines and domestic appliances.

The Company is focused on executing a growth strategy that will ensure AR3 is positioned to become an independent and sustainable source of rare earths, playing a pivotal role in the global transition to a green economy.

Appendix 1 – JORC Tables

Section 1 Sampling Techniques and Data		
Criteria	**Explanation**	**Comment**
Sampling techniques	*Nature and quality of sampling (e.g., cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling. Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g., 'reverse circulation drilling was used to obtain 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 (e.g.,*	*RC Aircore drilling methods were used obtain samples from the October-December 2021, February-April 2022, September-December 2022, & February-May 2023 drilling programmes. The following information covers the sampling process:* • *All air core samples were collected from the rotary splitter mounted at the bottom of the cyclone using a pre-numbered calico bag and plastic UV sample bag. The samples were geologically logged at 1 m intervals using the marked calico sample which averaged ~1.5 kg in mass.* • *A handheld Olympus Vanta XFR Analyser was used to assess the geochemistry of the air core samples in the field. The XRF analysis provided a full suite of mineral elements for characterising the lithological units.* • *XRF readings were downloaded from the XRF Analyser at the end of each day and uploaded to the Australian Rare Earths Azure Data Studio database.* • *Field duplicates were taken at a rate of 1:36 and inserted blindly into the sample batches.* • *At the laboratory, the samples were oven dried at 105 degrees for a minimum of 24 hours and secondary crushed to 3 mm fraction and then pulverised to 90% passing 75 µm. Excess residue was maintained for storage while the rest of the sample placed in 8x4 packets and sent to the central weighing laboratory. The samples were submitted for analysis using XRF-ICP-MS method.* • *A laboratory repeat was taken at ~ 1 in 21 samples;* • *Commercially obtained standards were inserted by the laboratory at a rate of ~ 1*

	submarine nodules) may warrant disclosure of detailed information.	*in 9 into the sample sequence.*
Drilling techniques	*Drill type (e.g., core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g., core diameter, triple or standard tube, depth of diamond tails, face-sampling bit, or other type, whether core is oriented and if so, by what method, etc).*	• *McLeod Drilling used a Toyota Land air core rig and support vehicle for the aircore drilling.* • *Aircore drilling is a form of reverse circulation drilling where the sample is collected at the face and returned inside the inner tube. The drill cuttings are removed by injection of compressed air into the hole via the annular area between the inner tube and the drill rod.* • *Aircore drill rods used were 3 m long.* • *NQ diameter (76 mm) drill bits and rods were used.* • *All aircore drill holes were vertical with depths varying between 2 m and 36 m.*
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.*	• *Drill sample recovery for aircore is monitored by recording sample condition descriptions where 'Poor' to 'Very Poor' were used to identify any samples recovered which were potentially not representative of the interval drilled.* • *A comment was included where water injection was required to recover the sample from a particular interval. The use of water injection can potentially bias a sample and very little water injection was required during this drilling programme.* • *No significant loses of samples were observed due to the shallow drilling depths (<36 m).* • *The rotary splitter was set to an approximate 20% split, which produced approximately 1.5 kg sample for each meter interval.* • *The 1.5 kg sample was collected in a pre-numbered calico bags and the remaining 80% (5 kg to 8 kg) was collected in plastic UV bags labelled with the hole number and sample interval.* • *At the end of each drill rod, the drill string is cleaned by blowing down with air to remove any clay and silt potentially built up in the sample pipes and cyclone.*

		• *No relationship exists between sample recovery and grade.*
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.*	• *All aircore samples collected in calico bags were logged for lithology, colour, cement type, hardness, percentage rock estimate, sorting, and any relevant comments such as moisture, sample condition, or vegetation.* • *Geological logging data for all drill holes was qualitatively logged onto Microsoft Excel spreadsheet using a Panasonic Toughbook with validation rules built into the spreadsheet including specific drop-down menus for each variable. The data was uploaded to the Australian Rare Earths Azure Data Studio database.* • *Every drill hole was logged in full and logging was undertaken with reference to a drilling template with codes prescribed and guidance to ensure consistent and systematic data collection*
Sub-sampling techniques and sample preparation	*If core, whether cut or sawn and whether quarter, half or all cores 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*	• *1 m aircore sample interval were homogenised within the cyclone and the rotary splitter was set to an approximate 20% split producing around 1.5 kg sample for each metre interval.* • *The 1.5 kg sample was collected in a pre-numbered calico bag and the 80% (5 kg to 8 kg) portion was collected in plastic UV bags labelled with hole identity and interval.* • *Duplicates were generally taken within the clay lithologies above the basement as this is the likely zone of REE enrichment. These duplicate samples were normally collected by using a second calico bag and placing it under the rotary splitter collecting a 20% split but due to the difficulties of placing a second calico bag under the rotary splitter during sample collection, some duplicates were collected by hand from the plastic UV bags which captured the other 80% of the material recovered from any particular interval.* • *The material in the plastic UV bags was mixed up and every attempt to take as*

	sampling. *Whether sample sizes are appropriate to the grain size of the material being sampled.*	*representative sample of the material as possible by hand was made and then placed in a pre-numbered calico bag.* • *The 1.5 kg sample collected in the calico bag was logged by the geologist onsite. The logged samples were placed in polyweave bags and sent to Naracoorte base at the end of each day. The polyweave bags where then placed on pallets and dispatched to Bureau Veritas laboratory in Adelaide in Bulka Bags.* • *The remaining 80% split from the aircore interval was stored for future reference.* • *Field duplicates of all the samples were completed at a frequency of 1 in 38 samples. Field standards were inserted into the sample sequence at a frequency of 1:59. Standard reference Material (SRM) samples were inserted into the sample batches at a frequency rate of 1 per 10 samples by the laboratory and a repeat sample was taken at a rate of 1 per 21 samples.* • *A rig geologist oversaw the sampling and logging process while a second geologist selected samples for analysis based on the logging descriptions and Pxrf analysis. Clay rich sample and those adjacent to the limestone basement contact were selected for assay. REEs are known to be contained within the clay component of the sediment package based on analysis of XRF data and previous exploration work.*
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.*	• *The detailed geological logging of samples provides lithology (clay component) and proximity to the limestone basement which is sufficient for the purpose of determining the mineralised zone.* • *The 1.5 kg aircore samples were assayed by Bureau Veritas laboratory in Wingfield, Adelaide, South Australia, which is considered the Primary laboratory.* • *The samples were initially oven dried at 105 degrees Celsius for 24 hours. Samples were secondary crushed to 3 mm fraction and the weight recorded. The sample was then pulverised to 90% passing 75 µm. Excess residue was maintained for storage while the rest of the sample placed in 8x4 packets*

	Nature of quality control procedures adopted (e.g., standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e., lack of bias) and precision have been established.	*and sent to the central weighing laboratory.* • *All weighed samples were then analysed using the Multiple Elements Fusion/Mixed Acid Digest analytical method;* • *ICP Scan (Mixed Acid Digest – Lithium Borate Fusion) Samples are digested using a mixed acid digest and also fused with Lithium Borate to ensure all elements are brought into solution. The digests are then analysed for the following elements (detection Limits shown): Al (100) As (1) Ba (1) Be (0.5) Ca(100) Ce (0.1) Co (1) Cr (10) Dy (0.05) Er (0.05) Eu(0.05) Fe(100) Gd (0.2) Ho (0.02) K (100) La (0.5) Lu (0.02) Mg (100) Mn (2) Na (100) Nd (0.05) Ni (2) Pr (0.2) S (50) Sc (1) Si (100) Sm(0.05) Sr (0.5) Th (0.1) Ti (50) Tm (0.2) U (0.1) V (5) Y (0.1) Yb (0.05) Zr (1)* • *Field duplicates were collected and submitted at a frequency of 1 per 36 samples.* • *Bureau Veritas completed its own internal QA/QC checks that included a Laboratory repeat every 21st sample and a standard reference sample every 9th sample prior to the results being released.* • *Analysis of QA/QC samples show the laboratory data to be of acceptable accuracy and precision;* • Australian Rare Earths submitted field standards at a frequency of 1:59 samples. • Australian Rare Earths requested BV insert blank washes at a frequency of 1:40 samples. These blank washes were inserted in the sample sequence behind samples which were thought to be mineralized to ensure that no contamination from higher grade samples was occurring. Frequency of blank samples totaled 1 in 24 samples. *The adopted QA/QC protocols are acceptable for this stage of test work. The sample preparation and assay techniques used are industry standard and provide a total analysis.*
Verification of sampling and assaying	*The verification of significant intersections by either independent or*	• *All results are checked by the company's Technical Director.* • *Field based geological logging for drill*

	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.*	*holes was entered directly into an Excel spreadsheet format with validation rules built into the spreadsheet including specific drop-down menus for each variable. This digital data was then uploaded to the Australian Rare Earths Azure Data Studio database.* • *Assay data was received in digital format from the laboratory and was uploaded Australian Rare Earths Azure Data Studio database.* • *Field and laboratory duplicate data pairs of each batch are plotted to identify potential quality control issues.* • *Standard Reference Material sample results are checked from each sample batch to ensure they are within tolerance (<3SD) and that there is no bias.* • *The field and laboratory data was exported and imported into Datamine by IHC Robbins which is appropriate for this stage in the program. Data validation criteria are included to check for overlapping sample intervals, end of hole match between 'Lithology', 'Sample', 'Survey' files and other common errors.* • *Assay data yielding elemental concentrations for rare earths (REE) within the sample are converted to their stoichiometric oxides (REO) in a calculation performed within the database using the conversion factors in the below table.* • *Rare earth oxide is the industry accepted form for reporting rare earths. The following calculations have been used for reporting throughout this report:* • *Note that Y2O3 is included in the TREO, HREO and CREO calculation.* ***TREO** = La2O3 + CeO2 + Pr6O11 + Nd2O3 + Sm2O3+ Eu2O3 + Gd2O3 + Tb4O7 + Dy2O3 + Ho2O3 + Er2O3 + Tm2O3 + Yb2O3 + Lu2O3+ Y2O3* ***CREO** = Nd2O3 + Eu2O3 + Tb4O7 + Dy2O3 + Y2O3* ***LREO** = La2O3 + CeO2 + Pr6O11 + Nd2O3*

		***HREO** = Sm2O3 + Eu2O3 + Gd2O3 + Tb4O7 + Dy2O3 + Ho2O3 + Er2O3 + Tm2O3 + Yb2O3+ Lu2O3 + Y2O3 NdPr = Nd2O3 + Pr6O11* ***TREO-Ce** = TREO - CeO2* ***NdPr** = Nd + Pr* Element Oxide / Oxide Factor CeO2 1.2284 Dy2O3 1.1477 Er2O3 1.1435 Eu2O3 1.1579 Gd2O3 1.1526 Ho2O3 1.1455 La2O3 1.1728 Lu2O3 1.1371 Nd2O3 1.1664 Pr6O11 1.2082 Sc2O3 1.5338 Sm2O3 1.1596 Tb4O7 1.1762 ThO2 1.1379 Tm2O3 1.1421 U3O8 1.1793 Y2O3 1.2699 Yb2O3 1.1387
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.*	• *Down hole surveys for shallow vertical aircore drill holes are not required.* • *The drill hole collars were located using a GPS unit to identify the positions of the drill holes in the field. The handheld GPS has an accuracy of +/-5m in the horizontal.* • *The datum used is GDA2020/MGA Zone 54.* • *Topographic data over the southern area of the resource (including all Inferred/Indicated/Measured resource areas) is derived from a fixed wing LiDAR survey flown in May 2022 by Aerometrex using their RIEGL VQ-780ii sensor. The LiDAR survey data was captured at a minimum 25 points per meter and flown at a height of 591m to ensure ~10cm vertical*

		accuracy. • *Topographic DTM surface over the northern area of the resource (Frances Exploration Target area) is derived from DGPS drill collar positions at this stage of exploration and the RL has been corrected using An Australian wide SRTM. The 1 second SRTM Level 2 Derived Smoothed Digital Elevation Model (DEM-S) is derived from the 2000 SRTM. The DEM-S has a ~30m grid which has been adaptively smoothed to improve the representation of the surface shape and is the preferred method for shape and vertical accuracy from STRM products.The smoothing process estimated typical improvements in the order of 2-3 m. This would make the DEM-S accuracy to be of approximately 5 m.* • *The accuracy of the locations is sufficient for this stage of exploration.*
Data spacing and distribution	*Data spacing for reporting of Exploration Results.* *Whether the data spacing, and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.* *Whether sample compositing has been applied.*	• *The holes were largely drilled at between 100 m and 400 m spacings along accessible road verges.* • *Drill spacing within paddocks and forested areas was largely completed at 100 m to 120 m spacings, with a small portion of holes drilled at 60 m spacings.* • *The drilling of aircore holes was conducted to determine the regional prospectivity of the wider Koppamurra Project area and for the purposes of generating a mineral resource estimate.* • *No sample compositing has been applied.*
Orientation of data in relation to geological structure	*Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* *If the relationship between the drilling orientation and the orientation of key mineralised structures is*	• *The Koppamurra mineralisation is interpreted to be hosted in flay lying clays that are horizontal.* • *All drill holes are vertical which is appropriate for horizontal bedding and regolith profile.* • *The Koppamurra drilling was oriented perpendicular to the strike of mineralisation defined by previous exploration and current geological interpretation.*

	considered to have introduced a sampling bias, this should be assessed and reported if material.	• *The strike of the mineralisation is north south, and the high grades follow a northwest-southeast trend.* • *All drill holes were vertical, and the orientation of the mineralisation is relatively horizontal.* • *The orientation of the drilling is considered appropriate for testing the lateral and vertical extent of mineralisation without any bias.*
Sample security	*The measures taken to ensure sample security.*	• *After logging, the samples in calico bags were tied and placed into polyweave bags, labelled with the drill hole and sample numbers contained within the polyweave and transported to the base of operations, Naracoorte, at the end of each day.* • *The samples were then placed on pallets ready for transport and remained in a secure compound until transport had been arranged. Pallets were labelled and then 'shrink-wrapped' by the transport contractor prior to departure from the Naracoorte base to the analytical laboratory.* • *Samples for analysis were logged against pallet identifiers and a chain of custody form created.* • *Transport to the analytical laboratory was undertaken by an agent for the TOLL Logistics Group, and consignment numbers were logged against the chain of custody forms.* • *The laboratory inspected the packages and did not report tampering of the samples and provided a sample reconciliation report for each sample dispatch.*
Audits or reviews	*The results of any audits or reviews of sampling techniques and data.*	• *Internal reviews were undertaken by AR3's Exploration Manager and Technical Director during the drilling, sampling, and geological logging process and throughout the sample collection and dispatch process to ensure AR3's protocols were followed.* • *A review of the database was also undertaken by Wallbridge Gilbert Aztec (WGA) – Consulting Engineers.*

Section 2 Reporting of Exploration Results		
Criteria	**Explanation**	**Comment**
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.*	*Koppamurra Project comprises of a granted South Australian Exploration Licences (EL), EL6509, EL6613, EL6690 and EL6691, along with Victorian EL007254 and EL7719 covering a combined area of ~4,000 km2 which is in good standing.* *EL6509 is within 100m of a Glen Roy Conservation Park and the Naracoorte Caves National Park, the latter of which is excised from the tenement. The License area contains several small Extractive Mineral Leases (EML) held by others, Native Vegetation Heritage Agreement areas, as well as the Deadman's Swamp Wetlands which are wetlands of national importance.* *A Native Title Claim by the First Nations of the South East #1 has been registered but is yet to be determined. The claim area includes the areas covered by EL's 6509, 6613, 6690 and 6691.* *The exploration work was completed on the tenements (EL 6509 and EL6613) in South Australia and EL007254 and EL7719 which are 100% owned by the company Australian Rare Earths Ltd.* *The Exploration License EL6509 original date of grant was 15/09/2020 with an expiry date of 14/09/2028.* *The Exploration License EL6613 original date of grant was 07/07/2021 with an expiry date of 05/07/2027.* *The Exploration License EL007254 original date of grant was 29/04/2021 with an expiry date of 28/04/2028.* *The Exploration License EL007719 original date of grant was 29/08/2022 with an expiry date of 29/08/2027.* *Details regarding royalties are discussed in chapter 3.4 of Australian Rare Earths Prospectus dated 7 May 2021.*

Exploration done by other parties	*Acknowledgment and appraisal of exploration by other parties.*	*Exploration activities by other exploration companies in the area have not previously targeted or identified REE mineralisation.* *Historical exploration activities in the vicinity of Koppamurra include investigations for coal, gold and base metals, uranium, and heavy mineral sands.* *Historical exploration by other parties is detailed in Chapter 7 of Australian Rare Earths Prospectus dated 7 May 2021.*
Geology	*Deposit type, geological setting and style of mineralisation.*	*The ionic clay hosted REE mineralisation at Koppamurra is hosted by clayey sediments interpreted to have been deposited onto a limestone base (Gambier Limestone) and accumulated in an interdunal, lagoonal or estuarine environment which has been extensively mapped east of the Kanawinka fault in SE SA. A dedicated post-doctoral research program investigating the source of the REE at Koppamurra is ongoing, with no definitive source of the REE confirmed to date although preliminary results of this study have ruled out the alkali volcanics in south-eastern Australia which was originally considered. Mineralogical test work conducted on clay samples from the project area established that the dominant clay minerals are smectite and kaolin, and that the few REE-rich minerals detected during the scanning electron microscope (SEM) investigation were not considered inconsistent with the suggestion that a significant proportion of REE are distributed in the material as adsorbed elements on clay and iron oxide surfaces.*
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 –*	*The material information for drill holes relating to this report are contained within Appendices of this release.*

	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.*	
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.*	*No metal equivalents have been used.* *Significant intercepts are calculated using downhole sample length weighted averages and a lower cut-off grade of 325 ppm TREO.* *A full list of drill holes with significant intercepts >325 ppm TREO can be found in the appendices of this release.*
Relationship between mineralisatio	*These relationships are particularly important in the reporting of*	*All intercepts reported are down hole lengths.*

n widths and intercept lengths	*Exploration Results. If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').*	*The mineralisation is interpreted to be flat lying. Morphology of the mineralised unit is influenced by the morphology of the undulating limestone basement below. Drilling is vertical perpendicular to mineralisation. Any internal variations to REE distribution within the horizontal layering was not defined, therefore the true width is considered not known.*
Diagrams	*Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	*Diagrams are included in the body of this release.*
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.*	*This release contains all drilling results that are consistent with the JORC guidelines. Where data may have been excluded, it is considered not material.*
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*	*All known relevant exploration data has been reported in this release.*

	characteristics; potential deleterious or contaminating substances.	
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.*	*AR3 intend to continue to define the Koppamurra resource during 2023. This will include (but not limited to) drilling, assay, ground based geophysical surveys and further metallurgical testwork.*

APPENDIX 2 - DRILL HOLE COLLARS

Hole ID	East (m)	North (m)	RL (m ASL)	Drill Method	Down Hole Width (mm)	Total Depth EOH (m)	Azimuth	Dip Direction
KM0650	491346	5889829	87.1	Aircore	76	12	0	-90
KM2520	490148	5884872	77.4	Aircore	76	9	0	-90
KM3509	491673	5891229	86.1	Aircore	76	12	0	-90
KM3592	492981	5889790	95	Aircore	76	12	0	-90
KM3594	492879	5889682	93.7	Aircore	76	12	0	-90
KM3595	491560	5885108	92.6	Aircore	76	12	0	-90
KM3596	491556	5885224	92.1	Aircore	76	15	0	-90
KM3597	491443	5885227	89.8	Aircore	76	7	0	-90
KM3598	491433	5885121	88.4	Aircore	76	6	0	-90
KM3599	491436	5885005	88.9	Aircore	76	9	0	-90
KM3600	491317	5884985	86.4	Aircore	76	6	0	-90
KM3601	491317	5885106	85.5	Aircore	76	6	0	-90
KM3602	491193	5885106	84	Aircore	76	13	0	-90
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KM3604	491327	5885342	90.6	Aircore	76	12	0	-90
KM3605	491322	5885341	90.5	Aircore	76	15	0	-90
KM3606	491194	5885349	88.2	Aircore	76	6	0	-90
KM3607	491196	5885232	84.8	Aircore	76	6	0	-90
KM3608	491196	5884986	82.6	Aircore	76	3	0	-90
KM3609	491198	5884869	89.5	Aircore	76	15	0	-90
KM3610	491083	5884868	88.4	Aircore	76	6	0	-90
KM3611	491080	5884989	84.9	Aircore	76	12	0	-90
KM3612	491080	5885102	83.8	Aircore	76	21	0	-90
KM3613	491081	5885228	84.4	Aircore	76	9	0	-90
KM3614	491078	5885348	86	Aircore	76	6	0	-90
KM3615	490967	5885346	84.2	Aircore	76	6	0	-90
KM3616	490833	5885350	83.4	Aircore	76	9	0	-90
KM3617	490723	5885350	84.2	Aircore	76	15	0	-90
KM3618	490952	5884989	84.2	Aircore	76	9	0	-90
KM3619	490953	5884865	85.5	Aircore	76	6	0	-90
KM3620	491081	5884748	89.7	Aircore	76	15	0	-90
KM3621	490957	5884626	86.6	Aircore	76	6	0	-90
KM3622	490829	5884619	85.5	Aircore	76	15	0	-90
KM3623	490841	5884509	86.3	Aircore	76	6	0	-90
KM3624	490718	5884505	84.1	Aircore	76	6	0	-90
KM3625	490719	5884611	83.9	Aircore	76	6	0	-90
KM3626	490954	5884754	87	Aircore	76	6	0	-90
KM3627	490834	5884386	88.4	Aircore	76	15	0	-90
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KM3629	490721	5884151	88	Aircore	76	21	0	-90
KM3630	490720	5884270	85.9	Aircore	76	17	0	-90
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KM3635	490604	5884509	83.2	Aircore	76	24	0	-90
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KM3638	490479	5884278	88.3	Aircore	76	6	0	-90
KM3639	490240	5884864	82.5	Aircore	76	9	0	-90
KM3640	490233	5884988	83.4	Aircore	76	18	0	-90
KM3641	490111	5884991	83.2	Aircore	76	21	0	-90
KM3642	490238	5885107	82.7	Aircore	76	6	0	-90
KM3643	490238	5885226	82.2	Aircore	76	9	0	-90
KM3644	490243	5885347	81.7	Aircore	76	15	0	-90
KM3645	490239	5885349	81.7	Aircore	76	15	0	-90
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KM3649	490362	5885353	82.2	Aircore	76	6	0	-90
KM3650	490358	5885237	82	Aircore	76	9	0	-90
KM3651	490480	5885349	82.9	Aircore	76	6	0	-90
KM3652	490595	5885348	84.1	Aircore	76	6	0	-90
KM3653	490484	5885216	83	Aircore	76	7	0	-90
KM3654	490120	5885105	79.4	Aircore	76	18	0	-90
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KM3661	489636	5885469	87.3	Aircore	76	3	0	-90
KM3662	489508	5885473	85.9	Aircore	76	5	0	-90
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KM3664	489520	5885711	87.3	Aircore	76	3	0	-90
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KM3669	489276	5885589	87.4	Aircore	76	6	0	-90
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KM3674	489998	5885591	83	Aircore	76	9	0	-90
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KM3676	490002	5885355	86.6	Aircore	76	12	0	-90
KM3677	489760	5885711	88.9	Aircore	76	3	0	-90
KM3678	489756	5885823	84.8	Aircore	76	12	0	-90
KM3679	489879	5885712	82.8	Aircore	76	12	0	-90
KM3680	489888	5885832	79.3	Aircore	76	15	0	-90
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KM3704	492275	5890145	90.4	Aircore	76	12	0	-90
KM3705	492159	5890147	88.7	Aircore	76	9	0	-90
KM3706	492154	5890039	88.3	Aircore	76	12	0	-90
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KM3713	492033	5889905	88.3	Aircore	76	15	0	-90
KM3714	492039	5890024	88.4	Aircore	76	15	0	-90
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KM3750	492400	5889789	90.9	Aircore	76	12	0	-90
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KM3786	491914	5891109	89.4	Aircore	76	12	0	-90
KM3787	492038	5891110	90.5	Aircore	76	12	0	-90
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KM3814	494507	5879381	103.5	Aircore	76	9	0	-90
KM3815	494408	5879381	103.3	Aircore	76	6	0	-90
KM3816	494367	5879281	103.9	Aircore	76	3	0	-90
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KM3818	494553	5879282	104.8	Aircore	76	6	0	-90
KM3819	494659	5879279	104	Aircore	76	6	0	-90
KM3820	494708	5879180	106.1	Aircore	76	6	0	-90
KM3821	494597	5879180	106.2	Aircore	76	15	0	-90
KM3822	494502	5879181	105.9	Aircore	76	21	0	-90
KM3823	494643	5879082	107.2	Aircore	76	3	0	-90
KM3824	494789	5878983	106.6	Aircore	76	27	0	-90
KM3825	494893	5878977	106.3	Aircore	76	21	0	-90

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KM3828	494803	5879178	105.6	Aircore	76	3	0	-90
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KM3831	495639	5878149	108.4	Aircore	76	6	0	-90
KM3832	495631	5878028	106.6	Aircore	76	15	0	-90
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KM3840	494801	5878032	96.2	Aircore	76	18	0	-90
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KM3843	494924	5878146	100.9	Aircore	76	9	0	-90
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KM3845	495157	5878142	104.4	Aircore	76	9	0	-90
KM3846	495276	5878148	107	Aircore	76	9	0	-90
KM3847	495391	5878148	108.2	Aircore	76	9	0	-90
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KM3858	494558	5878391	98.3	Aircore	76	27	0	-90
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KM3862	495047	5878387	104.8	Aircore	76	9	0	-90
KM3863	495049	5878385	104.8	Aircore	76	9	0	-90
KM3864	495159	5878399	105.7	Aircore	76	18	0	-90
KM3865	495273	5878386	108	Aircore	76	9	0	-90
KM3866	495387	5878405	109.9	Aircore	76	27	0	-90
KM3867	495275	5878510	108.7	Aircore	76	21	0	-90
KM3868	495158	5878504	105.6	Aircore	76	9	0	-90
KM3869	495034	5878505	104.2	Aircore	76	6	0	-90
KM3870	494925	5878507	103.5	Aircore	76	6	0	-90
KM3871	494796	5878513	101.9	Aircore	76	9	0	-90
KM3872	494680	5878507	100	Aircore	76	12	0	-90
KM3873	494571	5878505	99.9	Aircore	76	6	0	-90
KM3874	494439	5878509	100.2	Aircore	76	3	0	-90
KM3875	494443	5878636	102.1	Aircore	76	6	0	-90
KM3876	494682	5878629	101.3	Aircore	76	27	0	-90
KM3877	494799	5878625	102.7	Aircore	76	6	0	-90
KM3878	494920	5878621	104.3	Aircore	76	6	0	-90
KM3879	494997	5878632	104.9	Aircore	76	9	0	-90
KM3880	495160	5878630	106.1	Aircore	76	6	0	-90
KM3881	494918	5878748	105.3	Aircore	76	3	0	-90
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KM3883	495278	5878754	109.2	Aircore	76	6	0	-90
KM3884	495400	5878753	110.2	Aircore	76	6	0	-90
KM3885	495521	5878751	111	Aircore	76	6	0	-90
KM3886	495395	5878620	110.5	Aircore	76	6	0	-90
KM3887	495521	5878617	110.4	Aircore	76	21	0	-90
KM3888	495636	5878619	110.7	Aircore	76	9	0	-90
KM3889	495639	5878518	108.9	Aircore	76	9	0	-90
KM3890	495546	5878511	109.2	Aircore	76	9	0	-90
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KM3892	495638	5878395	108.9	Aircore	76	9	0	-90
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KM3913	496004	5878509	110	Aircore	76	6	0	-90
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KM3982	497313	5876950	115	Aircore	76	6	0	-90
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KM4136	495230	5877414	91.4	Aircore	76	18	0	-90
KM4137	495036	5877423	88.5	Aircore	76	15	0	-90
KM4138	494843	5877425	86.3	Aircore	76	18	0	-90
KM4139	494640	5877434	85.2	Aircore	76	18	0	-90
KM4140	494447	5877429	83.2	Aircore	76	18	0	-90
KM4141	495585	5876643	88.5	Aircore	76	18	0	-90
KM4142	495585	5876841	90.5	Aircore	76	13	0	-90
KM4143	495583	5877048	95.1	Aircore	76	21	0	-90
KM4144	495584	5877245	98.7	Aircore	76	6	0	-90
KM4145	495589	5877341	98.8	Aircore	76	12	0	-90

KM4146	495596	5877448	99.6	Aircore	76	6	0	-90
KM4147	495592	5877544	102.2	Aircore	76	9	0	-90
KM4148	495596	5877638	104.7	Aircore	76	9	0	-90
KM4149	495597	5877740	104.1	Aircore	76	12	0	-90
KM4150	495589	5877736	104.3	Aircore	76	12	0	-90
KM4151	495593	5877842	104.8	Aircore	76	6	0	-90
KM4152	495436	5877934	101.4	Aircore	76	6	0	-90
KM4153	495248	5877940	99.6	Aircore	76	12	0	-90
KM4154	495047	5877945	97.8	Aircore	76	6	0	-90
KM4155	494427	5878139	86.7	Aircore	76	15	0	-90
KM4156	494429	5877938	85	Aircore	76	18	0	-90
KM4157	494430	5877734	84.4	Aircore	76	18	0	-90
KM4158	494432	5877535	83.6	Aircore	76	18	0	-90
KM4159	494427	5877140	80.5	Aircore	76	18	0	-90
KM4160	494438	5876949	79.1	Aircore	76	18	0	-90
KM4161	494611	5876867	80.5	Aircore	76	18	0	-90
KM4162	494804	5876510	79.6	Aircore	76	18	0	-90
KM4163	494772	5876338	78	Aircore	76	18	0	-90
KM4164	494823	5876158	77.9	Aircore	76	15	0	-90
KM4165	494904	5875974	77.9	Aircore	76	18	0	-90
KM4166	494980	5875790	77.8	Aircore	76	17	0	-90
KM4167	495116	5875639	78.3	Aircore	76	15	0	-90
KM4168	496131	5876423	94	Aircore	76	18	0	-90
KM4169	496109	5876505	95.6	Aircore	76	27	0	-90
KM4170	496080	5876608	99.6	Aircore	76	12	0	-90
KM4171	496057	5876709	99.6	Aircore	76	9	0	-90
KM4172	495971	5876750	99.4	Aircore	76	3	0	-90
KM4173	495933	5876814	100.4	Aircore	76	21	0	-90
KM4174	495952	5876919	102.1	Aircore	76	9	0	-90
KM4175	495968	5877009	101.8	Aircore	76	9	0	-90
KM4176	495964	5877128	103.4	Aircore	76	6	0	-90
KM4177	495964	5877209	102.5	Aircore	76	12	0	-90
KM4178	495964	5877296	103.6	Aircore	76	9	0	-90
KM4179	495961	5877437	105.2	Aircore	76	15	0	-90
KM4180	495973	5877518	104.5	Aircore	76	12	0	-90
KM4181	495972	5877609	104.5	Aircore	76	6	0	-90
KM4182	495976	5877708	103.5	Aircore	76	24	0	-90
KM4183	495837	5877875	105.1	Aircore	76	9	0	-90
KM4184	495645	5877939	103.2	Aircore	76	6	0	-90
KM4185	495674	5877446	101.3	Aircore	76	15	0	-90
KM4186	495780	5877445	103.8	Aircore	76	12	0	-90
KM4187	495876	5877446	104.7	Aircore	76	15	0	-90
KM4188	495909	5877107	102.2	Aircore	76	6	0	-90
KM4189	495739	5877221	102	Aircore	76	6	0	-90
KM4190	495595	5877201	100	Aircore	76	6	0	-90
KM4191	495681	5876936	94.5	Aircore	76	21	0	-90
KM4192	495784	5876924	98.4	Aircore	76	19	0	-90
KM4193	495877	5876912	101.2	Aircore	76	6	0	-90
KM4194	496086	5877071	105.3	Aircore	76	6	0	-90
KM4195	496289	5877057	107.1	Aircore	76	15	0	-90
KM4196	496492	5877062	108.9	Aircore	76	6	0	-90
KM4197	496682	5877058	108.1	Aircore	76	18	0	-90
KM4198	496729	5877090	109.3	Aircore	76	9	0	-90
KM4199	496728	5877089	109.5	Aircore	76	12	0	-90
KM4200	496617	5877231	105.3	Aircore	76	9	0	-90
KM4201	496478	5877399	106.1	Aircore	76	6	0	-90
KM4202	496346	5877561	105.7	Aircore	76	15	0	-90
KM4203	496170	5877669	106.8	Aircore	76	9	0	-90
KM4204	496006	5877771	104.9	Aircore	76	9	0	-90
KM4205	496350	5879584	109.6	Aircore	76	12	0	-90
KM4206	496481	5879587	109.8	Aircore	76	9	0	-90
KM4207	496602	5879589	111.2	Aircore	76	9	0	-90
KM4208	496723	5879594	112	Aircore	76	9	0	-90
KM4209	496840	5879588	112.8	Aircore	76	6	0	-90
KM4210	496966	5879586	112.5	Aircore	76	6	0	-90
KM4211	497082	5879585	112	Aircore	76	12	0	-90
KM4212	497200	5879595	112.2	Aircore	76	12	0	-90
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KM4214	497321	5879473	113.2	Aircore	76	15	0	-90
KM4215	497192	5879467	113.8	Aircore	76	18	0	-90
KM4216	497195	5879473	113.8	Aircore	76	18	0	-90
KM4217	497074	5879470	114.7	Aircore	76	6	0	-90
KM4218	496971	5879474	112.7	Aircore	76	9	0	-90
KM4219	497084	5879345	114.6	Aircore	76	9	0	-90
KM4220	497082	5879230	114	Aircore	76	6	0	-90
KM4221	497200	5879109	115	Aircore	76	12	0	-90
KM4222	497196	5879229	113.5	Aircore	76	12	0	-90
KM4223	497200	5879340	115.8	Aircore	76	6	0	-90
KM4224	497322	5879353	113.6	Aircore	76	6	0	-90
KM4225	497317	5879235	113.8	Aircore	76	9	0	-90

KM4226	497316	5879111	115.6	Aircore	76	18	0	-90
KM4227	497317	5879114	115.5	Aircore	76	18	0	-90
KM4228	497448	5878988	116.7	Aircore	76	3	0	-90
KM4229	497436	5879113	117.4	Aircore	76	6	0	-90
KM4230	497438	5879238	115.2	Aircore	76	9	0	-90
KM4231	497437	5879348	114.7	Aircore	76	3	0	-90
KM4232	497439	5879470	112.6	Aircore	76	15	0	-90
KM4233	497441	5879590	111.5	Aircore	76	12	0	-90
KM4234	496368	5879469	108.1	Aircore	76	6	0	-90
KM4235	496477	5879476	111.5	Aircore	76	3	0	-90
KM4236	496478	5879349	110.4	Aircore	76	6	0	-90
KM4237	496596	5879349	108.8	Aircore	76	6	0	-90
KM4238	496596	5879466	111.9	Aircore	76	3	0	-90
KM4239	496479	5879230	108.6	Aircore	76	15	0	-90
KM4240	496477	5879107	110.2	Aircore	76	9	0	-90
KM4241	496376	5879112	111	Aircore	76	9	0	-90
KM4242	496601	5879110	110.1	Aircore	76	3	0	-90
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KM4244	496719	5879108	109.9	Aircore	76	12	0	-90
KM4245	496719	5879232	111.4	Aircore	76	6	0	-90
KM4246	496836	5879226	111.7	Aircore	76	3	0	-90
KM4247	496837	5879353	112.3	Aircore	76	9	0	-90
KM4248	496831	5879476	109.3	Aircore	76	15	0	-90
KM4249	496721	5879477	109.3	Aircore	76	6	0	-90
KM4250	496719	5879349	109.6	Aircore	76	6	0	-90
KM4251	496959	5879348	114.5	Aircore	76	6	0	-90
KM4252	496962	5879236	109.8	Aircore	76	18	0	-90
KM4253	496955	5879108	112.3	Aircore	76	12	0	-90
KM4254	496955	5878990	112.6	Aircore	76	6	0	-90
KM4255	497077	5879114	112.6	Aircore	76	6	0	-90
KM4256	496837	5879109	111.5	Aircore	76	6	0	-90
KM4257	496358	5878989	111.4	Aircore	76	6	0	-90
KM4258	496386	5878862	109.1	Aircore	76	6	0	-90
KM4259	496480	5878753	107	Aircore	76	12	0	-90
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KM4261	496468	5878872	107.6	Aircore	76	15	0	-90
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KM4263	496599	5878993	111.8	Aircore	76	8	0	-90
KM4264	496601	5878866	108.5	Aircore	76	9	0	-90
KM4265	496599	5878750	108.3	Aircore	76	9	0	-90
KM4266	496713	5878751	107.5	Aircore	76	12	0	-90
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KM4269	496841	5878986	111.3	Aircore	76	6	0	-90
KM4270	496839	5878871	111	Aircore	76	15	0	-90
KM4271	496841	5878748	109	Aircore	76	6	0	-90
KM4272	496965	5878758	111.9	Aircore	76	15	0	-90
KM4273	496959	5878867	110	Aircore	76	15	0	-90
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KM4275	497423	5878745	114.8	Aircore	76	18	0	-90
KM4276	497430	5878625	114.9	Aircore	76	15	0	-90
KM4277	497433	5878514	114.2	Aircore	76	9	0	-90
KM4278	497315	5878532	113.8	Aircore	76	6	0	-90
KM4279	497314	5878626	112.3	Aircore	76	15	0	-90
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KM4283	514445	5903389	137.8	Aircore	76	9	0	-90
KM4284	514362	5902504	136.7	Aircore	76	15	0	-90
KM4285	513964	5900364	132.4	Aircore	76	15	0	-90
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KM4287	514244	5898854	131.9	Aircore	76	18	0	-90
KM4288	514339	5898735	132.7	Aircore	76	18	0	-90
KM4289	514459	5898585	133.7	Aircore	76	18	0	-90
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KM4291	514671	5898231	133.5	Aircore	76	15	0	-90
KM4292	515391	5897029	138.7	Aircore	76	18	0	-90
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KM4294	516113	5896495	145.1	Aircore	76	18	0	-90
KM4295	516299	5896367	144.7	Aircore	76	15	0	-90
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KM4298	516792	5896006	146.2	Aircore	76	11	0	-90
KM4299	516658	5894671	146	Aircore	76	24	0	-90
KM4300	516634	5894475	145.3	Aircore	76	24	0	-90
KM4301	516608	5894275	143.8	Aircore	76	18	0	-90
KM4302	516584	5894090	144.2	Aircore	76	15	0	-90
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KM4304	516495	5893356	143.8	Aircore	76	21	0	-90
KM4305	516468	5893156	143	Aircore	76	15	0	-90

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KM4310	515387	5894225	143.2	Aircore	76	24	0	-90
KM4311	515242	5893805	140	Aircore	76	27	0	-90
KM4312	515176	5893616	138.9	Aircore	76	27	0	-90
KM4313	515137	5893427	137.4	Aircore	76	30	0	-90
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KM4316	514884	5892612	139.5	Aircore	76	13	0	-90
KM4317	514835	5892471	142	Aircore	76	21	0	-90
KM4318	514763	5892256	140	Aircore	76	18	0	-90
KM4319	514666	5891899	138.2	Aircore	76	17	0	-90
KM4320	510678	5894223	124.7	Aircore	76	18	0	-90
KM4321	510648	5893920	123.9	Aircore	76	18	0	-90
KM4322	510650	5893922	123.9	Aircore	76	18	0	-90
KM4323	510631	5893729	123.6	Aircore	76	18	0	-90
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KM4325	510599	5893346	121.9	Aircore	76	18	0	-90
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KM4332	510499	5892217	120.8	Aircore	76	14	0	-90
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KM4340	511598	5891992	126.2	Aircore	76	21	0	-90
KM4341	511787	5891964	127.3	Aircore	76	21	0	-90
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KM4346	509712	5898781	124.9	Aircore	76	21	0	-90
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KM4364	508202	5903075	121.1	Aircore	76	12	0	-90
KM4365	508603	5903021	121	Aircore	76	15	0	-90
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KM4375	513610	5905582	135.1	Aircore	76	30	0	-90
KM4376	513678	5906131	133.6	Aircore	76	30	0	-90
KM4377	513763	5906807	135	Aircore	76	21	0	-90
KM4378	500617	5909871	110	Aircore	76	12	0	-90
KM4379	500630	5909971	110.4	Aircore	76	12	0	-90
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KM4381	500680	5910372	108.8	Aircore	76	12	0	-90
KM4382	500680	5910369	108.8	Aircore	76	12	0	-90
KM4383	500706	5910565	109.2	Aircore	76	15	0	-90
KM4384	500725	5910724	109.1	Aircore	76	12	0	-90
KM4385	500755	5910955	109.7	Aircore	76	15	0	-90

KM4386	500786	5911232	110	Aircore	76	12	0	-90
KM4387	500811	5911433	110.9	Aircore	76	17	0	-90
KM4388	500839	5911662	111.4	Aircore	76	18	0	-90
KM4389	500839	5911864	110.7	Aircore	76	15	0	-90
KM4390	500678	5911886	110.5	Aircore	76	18	0	-90
KM4391	500454	5911914	111.1	Aircore	76	18	0	-90
KM4392	500329	5911930	111.3	Aircore	76	12	0	-90
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KM4394	500159	5912260	112.1	Aircore	76	15	0	-90
KM4395	500156	5912444	112.1	Aircore	76	18	0	-90
KM4396	500157	5912648	111.7	Aircore	76	21	0	-90
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KM4401	500765	5908068	107.4	Aircore	76	9	0	-90
KM4402	500761	5908015	107.7	Aircore	76	9	0	-90
KM4403	500714	5907660	106.4	Aircore	76	9	0	-90
KM4404	500692	5907469	105.3	Aircore	76	9	0	-90
KM4405	500652	5907172	105.2	Aircore	76	6	0	-90
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KM4410	499863	5905571	104.6	Aircore	76	18	0	-90
KM4411	499872	5905579	104.6	Aircore	76	18	0	-90
KM4412	499650	5905418	104.6	Aircore	76	12	0	-90
KM4413	499506	5905318	103.7	Aircore	76	9	0	-90
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KM4415	498040	5904357	101.6	Aircore	76	6	0	-90
KM4416	497869	5904378	100.7	Aircore	76	9	0	-90
KM4417	497466	5903946	101.3	Aircore	76	6	0	-90
KM4418	497468	5903751	100.9	Aircore	76	9	0	-90
KM4419	497466	5903568	101.1	Aircore	76	9	0	-90
KM4420	497471	5903344	100.9	Aircore	76	9	0	-90
KM4421	497471	5903155	100.5	Aircore	76	3	0	-90
KM4422	497909	5902738	100.1	Aircore	76	6	0	-90
KM4423	498096	5902717	100.9	Aircore	76	9	0	-90
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KM4426	501020	5902346	106.6	Aircore	76	9	0	-90
KM4427	501839	5902245	106.9	Aircore	76	7	0	-90
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KM4435	503449	5902040	108.3	Aircore	76	8	0	-90
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KM4444	502742	5897062	109	Aircore	76	10	0	-90
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KM4467	515622	5886294	139	Aircore	76	18	0	-90
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KM4696	482912	5933193	96.2	Aircore	76	9	0	-90
KM4697	482912	5932992	96.1	Aircore	76	15	0	-90
KM4698	482179	5933705	93.5	Aircore	76	9	0	-90
KM4699	482165	5933955	94.5	Aircore	76	12	0	-90
KM4700	481970	5933941	93.9	Aircore	76	12	0	-90
KM4701	481950	5933707	92.7	Aircore	76	12	0	-90
KM4702	481719	5933709	91.4	Aircore	76	27	0	-90
KM4703	481479	5933709	92.3	Aircore	76	18	0	-90
KM4704	482916	5933713	95.2	Aircore	76	12	0	-90
KM4705	482919	5933949	95.7	Aircore	76	12	0	-90

KM4706	482680	5933951	94.7	Aircore	76	12	0	-90
KM4707	482671	5933711	93.9	Aircore	76	12	0	-90
KM4708	482444	5933707	93.6	Aircore	76	15	0	-90
KM4709	482440	5933951	93.1	Aircore	76	12	0	-90
KM4710	482926	5934191	99.7	Aircore	76	27	0	-90
KM4711	482797	5934433	96.5	Aircore	76	12	0	-90
KM4712	482681	5934424	95.3	Aircore	76	12	0	-90
KM4713	489997	5887985	81.2	Aircore	76	11	0	-90
KM4714	490113	5887890	81.9	Aircore	76	13	0	-90
KM4715	490225	5887851	82.4	Aircore	76	10	0	-90
KM4716	490363	5887817	83.7	Aircore	76	6	0	-90
KM4717	490468	5887789	84.5	Aircore	76	9	0	-90
KM4718	490594	5887758	84.6	Aircore	76	9	0	-90
KM4719	491298	5887504	87.6	Aircore	76	6	0	-90
KM4720	491305	5887260	85.5	Aircore	76	6	0	-90
KM4721	491083	5887265	85.3	Aircore	76	6	0	-90
KM4722	491073	5887503	86	Aircore	76	18	0	-90
KM4723	490839	5887510	85.6	Aircore	76	6	0	-90
KM4724	490847	5887271	83.6	Aircore	76	18	0	-90
KM4725	490668	5887267	84	Aircore	76	9	0	-90
KM4726	490612	5887530	84.8	Aircore	76	9	0	-90
KM4727	490357	5887513	83	Aircore	76	15	0	-90
KM4728	490116	5887752	81.9	Aircore	76	9	0	-90
KM4729	489879	5887731	83.5	Aircore	76	6	0	-90
KM4730	489637	5887738	81.2	Aircore	76	18	0	-90
KM4731	490604	5888478	84.6	Aircore	76	6	0	-90
KM4732	490596	5888716	83.8	Aircore	76	18	0	-90
KM4733	490834	5888709	85.5	Aircore	76	7	0	-90
KM4734	490834	5888481	85.3	Aircore	76	8	0	-90
KM4735	491078	5888716	84.2	Aircore	76	18	0	-90
KM4736	492040	5888227	88.9	Aircore	76	12	0	-90
KM4737	491556	5888228	86	Aircore	76	7	0	-90
KM4738	491340	5888225	86.9	Aircore	76	12	0	-90
KM4739	492281	5888240	88.2	Aircore	76	10	0	-90
KM4740	492518	5888229	90.1	Aircore	76	18	0	-90
KM4741	492518	5888471	89.8	Aircore	76	6	0	-90
KM4742	492658	5888475	90.8	Aircore	76	6	0	-90
KM4743	492631	5888231	90	Aircore	76	9	0	-90
KM4744	492758	5888232	91.2	Aircore	76	14	0	-90
KM4745	492759	5888472	92.2	Aircore	76	6	0	-90
KM4746	492996	5888228	92	Aircore	76	9	0	-90
KM4747	492998	5888472	92	Aircore	76	6	0	-90
KM4748	492998	5888707	91.8	Aircore	76	18	0	-90
KM4749	492758	5888949	90.7	Aircore	76	12	0	-90
KM4750	492523	5889198	89.8	Aircore	76	6	0	-90
KM4751	492520	5888953	89.8	Aircore	76	6	0	-90
KM4752	492278	5888954	88.9	Aircore	76	12	0	-90
KM4753	492277	5889184	89.2	Aircore	76	9	0	-90
KM4754	492040	5889193	87.9	Aircore	76	18	0	-90
KM4755	492039	5888949	88.5	Aircore	76	9	0	-90
KM4756	491800	5888948	89.1	Aircore	76	9	0	-90
KM4757	491798	5889188	87.9	Aircore	76	8	0	-90
KM4758	491538	5888943	85.9	Aircore	76	5	0	-90
KM4759	491683	5889191	88	Aircore	76	9	0	-90
KM4760	491555	5889426	87.4	Aircore	76	6	0	-90
KM4761	491351	5888952	85.4	Aircore	76	6	0	-90
KM4762	491201	5889181	84.1	Aircore	76	6	0	-90
KM4763	490837	5888896	84.8	Aircore	76	6	0	-90
KM4764	491023	5888809	83.6	Aircore	76	11	0	-90
KM4765	491326	5888707	85.8	Aircore	76	7	0	-90
KM4766	491507	5888777	86.5	Aircore	76	9	0	-90
KM4767	491870	5888780	89.3	Aircore	76	9	0	-90
KM4768	492031	5888778	89	Aircore	76	8	0	-90
KM4769	492036	5888465	89.4	Aircore	76	9	0	-90
KM4770	491862	5888458	87.9	Aircore	76	9	0	-90
KM4771	492251	5888791	88.6	Aircore	76	9	0	-90
KM4772	492520	5888800	89	Aircore	76	6	0	-90
KM4773	490595	5888943	84.2	Aircore	76	12	0	-90
KM4774	490362	5889071	83.1	Aircore	76	11	0	-90
KM4775	490124	5889071	82.4	Aircore	76	9	0	-90
KM4776	490119	5889209	81.7	Aircore	76	9	0	-90
KM4777	490362	5889188	82.4	Aircore	76	9	0	-90
KM4778	490600	5889081	84	Aircore	76	6	0	-90
KM4779	490341	5889345	81.5	Aircore	76	6	0	-90
KM4780	490119	5889419	81.6	Aircore	76	6	0	-90
KM4781	490120	5889661	81.2	Aircore	76	9	0	-90
KM4782	494438	5891827	97.8	Aircore	76	15	0	-90
KM4783	494438	5892067	97.4	Aircore	76	15	0	-90
KM4784	493720	5892069	94	Aircore	76	9	0	-90
KM4785	493719	5892305	93.6	Aircore	76	18	0	-90

KM4786	493473	5892069	92.9	Aircore	76	15	0	-90
KM4787	493470	5892286	92.5	Aircore	76	14	0	-90
KM4788	493238	5892305	91.5	Aircore	76	15	0	-90
KM4789	493244	5892077	91.9	Aircore	76	15	0	-90
KM4790	493003	5892071	91.2	Aircore	76	9	0	-90
KM4791	492998	5892301	91	Aircore	76	15	0	-90
KM4792	492768	5892307	90.7	Aircore	76	18	0	-90
KM4793	492754	5892427	90.5	Aircore	76	18	0	-90
KM4794	492521	5892544	88.3	Aircore	76	15	0	-90
KM4795	492518	5892304	87.2	Aircore	76	18	0	-90
KM4796	492524	5892074	88.1	Aircore	76	18	0	-90
KM4797	492762	5892058	90.4	Aircore	76	12	0	-90
KM4798	492528	5891224	85.9	Aircore	76	12	0	-90
KM4799	492523	5891104	87.2	Aircore	76	9	0	-90
KM4800	492520	5890997	87.9	Aircore	76	6	0	-90
KM4801	492294	5891099	85.8	Aircore	76	9	0	-90
KM4802	492748	5891004	88.9	Aircore	76	12	0	-90
KM4803	492841	5891399	89	Aircore	76	9	0	-90
KM4804	492888	5891597	90.6	Aircore	76	15	0	-90
KM4805	492942	5891841	90.9	Aircore	76	17	0	-90
KM4806	493255	5891947	91.8	Aircore	76	14	0	-90
KM4807	493477	5891896	92.8	Aircore	76	12	0	-90
KM4808	493712	5891842	93.7	Aircore	76	12	0	-90
KM4809	493980	5891769	96.1	Aircore	76	6	0	-90
KM4810	494207	5891729	96.6	Aircore	76	12	0	-90
KM4811	494207	5891593	97	Aircore	76	15	0	-90
KM4812	494197	5891350	95.2	Aircore	76	15	0	-90
KM4813	493957	5891355	94	Aircore	76	12	0	-90
KM4814	493967	5891586	95.8	Aircore	76	12	0	-90
KM4815	493721	5891586	94	Aircore	76	12	0	-90
KM4816	493720	5891354	93.9	Aircore	76	9	0	-90
KM4817	494439	5891106	96.6	Aircore	76	18	0	-90
KM4818	494195	5890883	94.9	Aircore	76	9	0	-90
KM4819	494209	5891112	94.3	Aircore	76	15	0	-90
KM4820	493963	5891110	92.9	Aircore	76	9	0	-90
KM4821	493958	5890869	93	Aircore	76	12	0	-90
KM4822	493716	5890867	92.4	Aircore	76	12	0	-90
KM4823	493719	5891107	92.2	Aircore	76	15	0	-90
KM4824	493482	5890838	92.2	Aircore	76	12	0	-90
KM4825	493215	5890622	92.4	Aircore	76	12	0	-90
KM4826	493715	5890608	93.2	Aircore	76	12	0	-90
KM4827	493962	5890606	94.1	Aircore	76	15	0	-90
KM4828	493705	5890376	94.4	Aircore	76	12	0	-90
KM4829	493716	5890153	94.1	Aircore	76	12	0	-90
KM4830	493962	5890394	95.4	Aircore	76	12	0	-90
KM4831	493967	5890151	96.6	Aircore	76	12	0	-90
KM4832	494198	5890390	96.5	Aircore	76	18	0	-90
KM4833	494438	5890392	97.6	Aircore	76	12	0	-90
KM4834	494549	5890269	98.9	Aircore	76	14	0	-90
KM4835	494441	5890095	99.6	Aircore	76	18	0	-90
KM4836	494441	5889674	101.5	Aircore	76	9	0	-90
KM4837	494199	5889921	99.1	Aircore	76	9	0	-90
KM4838	493960	5889892	97	Aircore	76	9	0	-90
KM4839	494442	5889431	102.5	Aircore	76	6	0	-90
KM4840	494662	5889431	104.8	Aircore	76	15	0	-90
KM4841	494917	5889431	106.1	Aircore	76	9	0	-90
KM4842	494623	5890395	99.8	Aircore	76	12	0	-90
KM4843	494918	5890511	100.4	Aircore	76	9	0	-90
KM4844	495158	5890513	102	Aircore	76	12	0	-90
KM4845	494923	5890609	100.2	Aircore	76	18	0	-90
KM4846	494437	5890609	96.6	Aircore	76	18	0	-90
KM4847	494206	5890609	95.5	Aircore	76	18	0	-90
KM4848	494625	5890632	97.7	Aircore	76	12	0	-90
KM4849	494617	5890879	97.9	Aircore	76	18	0	-90
KM4850	494614	5891069	98.2	Aircore	76	12	0	-90
KM4851	492999	5891110	89.9	Aircore	76	9	0	-90
KM4852	493986	5883117	100.1	Aircore	76	6	0	-90
KM4853	493893	5883119	100.5	Aircore	76	6	0	-90
KM4854	493781	5883117	97.6	Aircore	76	18.5	0	-90
KM4855	493681	5883115	101.3	Aircore	76	6	0	-90
KM4856	493487	5883121	100.1	Aircore	76	6	0	-90
KM4857	493589	5884320	97.9	Aircore	76	8	0	-90
KM4858	493391	5884337	94.5	Aircore	76	6	0	-90
KM4859	493795	5884519	97.3	Aircore	76	9	0	-90
KM4860	493990	5884519	101.7	Aircore	76	6	0	-90
KM4861	494184	5884516	105.5	Aircore	76	9	0	-90
KM4862	494388	5884307	101	Aircore	76	6	0	-90
KM4863	496209	5878758	107.4	Aircore	76	13	0	-90
KM4864	496095	5878784	104.1	Aircore	76	9	0	-90
KM4865	496006	5878784	105.5	Aircore	76	9	0	-90

KM4866	495702	5878873	105.8	Aircore	76	12	0	-90
KM4867	495448	5878896	105.5	Aircore	76	6	0	-90
KM4868	495202	5878876	101.2	Aircore	76	9	0	-90
KM4869	495640	5891824	108.3	Aircore	76	18	0	-90
KM4870	495653	5891597	106.3	Aircore	76	12	0	-90
KM4871	495638	5891356	105.6	Aircore	76	15	0	-90
KM4872	495400	5891350	105.5	Aircore	76	17	0	-90
KM4873	496120	5891826	103.8	Aircore	76	12	0	-90
KM4874	496123	5891588	105.9	Aircore	76	18	0	-90
KM4875	496351	5891595	105.6	Aircore	76	15	0	-90
KM4876	496831	5891586	104.9	Aircore	76	17	0	-90
KM4877	497323	5891594	106.7	Aircore	76	18	0	-90
KM4878	496839	5891118	107.3	Aircore	76	15	0	-90
KM4879	496602	5891120	106.7	Aircore	76	18	0	-90
KM4880	496366	5891190	108.3	Aircore	76	18	0	-90
KM4881	496116	5891347	109.5	Aircore	76	6	0	-90
KM4882	495886	5891599	106.1	Aircore	76	18	0	-90
KM4883	495873	5891827	106.4	Aircore	76	6	0	-90
KM4884	496596	5891588	105.3	Aircore	76	18	0	-90

APPENDIX 3 - SIGNIFICANT INTERSECTIONS

Hole ID	From (m)	To (m)	Width (m)	TREO (ppm)	Pr_6O_{11} ppm	Pr_6O_{11} TREO %	Nd_2O_3 ppm	Nd_2O_3 TREO %	Tb_4O_7 ppm	Tb_4O_7 TREO %	Dy_2O_3 ppm	Dy_2O_3 TREO %
KM0650	6	9	3	1246	62	5	226	18.2	6	0.5	33	2.7
KM2520	4	6	2	2199	146	6.6	567	25.8	11	0.5	63	2.9
KM3509	10	12	2	546	22	3.9	83	15.2	3	0.5	16	2.9
KM3592	5	7	2	1911	133	7	457	23.9	7	0.4	41	2.1
KM3676	5	11	6	550	26	4.7	88	16	2	0.4	12	2.2
KM3678	8	10	2	863	33	3.8	113	13.1	4	0.4	20	2.3
KM3679	7	9	2	1166	59	5.1	227	19.5	6	0.5	28	2.4
KM3679	10	11	1	387	19	4.9	65	16.9	2	0.5	10	2.5
KM3680	4	6	2	1189	65	5.4	245	20.6	7	0.6	34	2.8
KM3682	2	3	1	438	21	4.7	69	15.8	2	0.4	9	2.2
KM3683	3	6	3	990	49	5	185	18.7	4	0.4	21	2.1
KM3683	7	8	1	359	16	4.5	61	17	2	0.4	8	2.3
KM3684	4	5	1	1763	83	4.7	318	18.1	7	0.4	34	1.9
KM3684	6	8	2	709	39	5.5	145	20.5	3	0.5	18	2.5
KM3685	7	10	3	447	21	4.8	76	16.9	2	0.5	12	2.6
KM3686	5	6	1	910	43	4.8	169	18.6	4	0.4	20	2.2
KM3687	3	6	3	894	51	5.7	192	21.5	4	0.4	20	2.2
KM3687	7	8	1	419	24	5.7	77	18.5	2	0.5	10	2.4
KM3760	7	9	2	2170	128	5.9	488	22.5	12	0.5	63	2.9
KM3761	4	6	2	1259	68	5.4	249	19.8	6	0.5	35	2.7
KM3762	6	7	1	1164	56	4.8	216	18.5	5	0.4	29	2.5
KM3763	6	9	3	420	16	3.7	62	14.8	2	0.5	12	2.8
KM3764	10	12	2	1192	44	3.7	171	14.3	5	0.4	28	2.3
KM3765	10	13	3	614	19	3.1	76	12.3	2	0.4	13	2.1
KM3766	4	7	3	640	28	4.3	104	16.2	3	0.4	16	2.6
KM3767	5	6	1	521	14	2.7	55	10.5	2	0.4	11	2.1
KM3768	6	8	2	429	14	3.2	57	13.3	2	0.6	15	3.5
KM3769	7	9	2	734	26	3.5	103	14	3	0.4	18	2.5
KM3770	7	12	5	504	18	3.6	73	14.4	2	0.5	14	2.9
KM3772	11	12	1	1358	83	6.1	315	23.2	7	0.5	41	3
KM3773	6	11	5	586	27	4.6	108	18.4	3	0.5	17	3
KM3774	8	11	3	1033	53	5.1	199	19.2	4	0.4	25	2.4
KM3775	6	8	2	505	21	4.2	86	17	3	0.5	15	3.1
KM3776	5	6	1	358	12	3.4	49	13.6	2	0.4	9	2.6
KM3776	2	4	2	463	16	3.5	65	14.1	2	0.5	13	2.8
KM3777	10	13	3	740	36	4.9	139	18.9	3	0.4	17	2.3
KM3778	9	14	5	539	26	4.8	99	18.4	2	0.4	12	2.3
KM3779	6	10	4	756	28	3.8	109	14.4	3	0.4	19	2.5
KM3780	8	12	4	941	40	4.2	148	15.8	4	0.4	21	2.2
KM3781	7	8	1	373	15	4	59	15.8	2	0.5	12	3.1
KM3783	11	12	1	613	24	4	89	14.6	2	0.4	13	2.2
KM3784	12	13	1	931	41	4.4	154	16.5	4	0.4	24	2.6
KM3785	11	12	1	1108	42	3.8	164	14.8	4	0.4	25	2.2
KM3786	10	11	1	625	26	4.2	98	15.7	3	0.4	15	2.3
KM3786	8	9	1	371	11	2.9	42	11.3	2	0.4	9	2.5
KM3787	8	10	2	634	21	3.2	81	12.8	3	0.5	18	2.8
KM3788	8	11	3	1207	54	4.5	195	16.1	4	0.4	24	2
KM3789	7	9	2	830	35	4.2	131	15.8	4	0.5	22	2.7
KM3790	11	12	1	1657	67	4	259	15.6	7	0.4	41	2.5
KM3791	5	8	3	528	22	4.2	85	16.2	3	0.5	15	2.9
KM3792	8	9	1	1469	72	4.9	275	18.7	7	0.5	42	2.8
KM3793	10	11	1	373	13	3.5	51	13.7	2	0.4	9	2.5
KM3794	3	6	3	817	30	3.6	114	14	3	0.4	20	2.4

KM3795	9	11	2	821	33	4.1	127	15.5	4	0.4	20	2.5
KM3796	8	10	2	1838	68	3.7	259	14.1	7	0.4	40	2.2
KM3797	7	11	4	843	31	3.7	118	14.1	3	0.4	19	2.2
KM3799	5	7	2	754	30	3.9	123	16.3	3	0.4	18	2.4
KM3800	10	11	1	1107	40	3.6	167	15.1	5	0.4	26	2.3
KM3801	7	9	2	1284	44	3.4	180	14	4	0.3	23	1.8
KM3802	6	8	2	1244	58	4.7	230	18.5	5	0.4	27	2.1
KM3803	8	9	1	613	24	3.8	101	16.5	2	0.3	11	1.8
KM3803	5	6	1	445	17	3.7	75	16.9	3	0.6	16	3.6
KM3804	6	8	2	670	23	3.5	96	14.4	3	0.4	16	2.4
KM3805	6	8	2	1473	63	4.3	262	17.8	6	0.4	33	2.2
KM3806	7	10	3	1310	64	4.9	251	19.1	5	0.4	29	2.2
KM3807	4	7	3	1017	41	4.1	166	16.3	3	0.3	18	1.8
KM3808	8	9	1	1529	51	3.3	206	13.5	5	0.3	28	1.8
KM3809	4	6	2	933	35	3.8	148	15.9	5	0.5	26	2.7
KM3810	6	8	2	1325	45	3.4	190	14.3	5	0.4	28	2.1
KM4120	1	2	1	631	32	5.1	103	16.4	3	0.4	15	2.4
KM4121	3	4	1	2875	145	5	519	18.1	13	0.4	69	2.4
KM4122	4	6	2	1150	49	4.3	191	16.6	5	0.4	29	2.5
KM4123	5	7	2	1321	51	3.9	202	15.3	5	0.4	28	2.1
KM4124	3	4	1	419	15	3.5	57	13.6	2	0.4	9	2
KM4125	7	9	2	738	35	4.7	133	18	3	0.4	15	2
KM4126	6	9	3	670	31	4.6	117	17.5	3	0.4	14	2.1
KM4128	7	10	3	550	24	4.4	86	15.6	3	0.5	16	2.9
KM4129	3	4	1	2117	95	4.5	366	17.3	8	0.4	42	2
KM4130	7	9	2	980	48	4.9	188	19.2	4	0.4	23	2.4
KM4131	7	9	2	2725	163	6	611	22.4	10	0.4	50	1.8
KM4147	4	5	1	1042	43	4.1	170	16.3	4	0.4	20	1.9
KM4148	5	8	3	1612	85	5.2	297	18.4	6	0.4	30	1.9
KM4149	4	8	4	1664	69	4.1	259	15.6	6	0.4	30	1.8
KM4150	5	7	2	1507	64	4.2	243	16.1	6	0.4	35	2.3
KM4150	3	4	1	354	12	3.3	45	12.7	2	0.5	9	2.6
KM4151	1	3	2	635	30	4.6	117	18.4	3	0.5	17	2.6
KM4152	2	3	1	393	16	4	62	15.8	1	0.4	8	2
KM4153	7	8	1	424	21	4.9	80	18.9	2	0.4	10	2.3
KM4154	1	2	1	905	54	5.9	198	21.9	4	0.5	22	2.5
KM4155	12	14	2	422	20	4.7	72	17	2	0.4	9	2.1
KM4166	13	15	2	418	15	3.7	74	17.8	2	0.5	11	2.6
KM4173	7	8	1	471	7	1.5	27	5.6	1	0.2	6	1.3
KM4173	5	6	1	373	12	3.2	50	13.3	2	0.5	10	2.6
KM4175	5	6	1	585	26	4.5	105	18	3	0.5	15	2.6
KM4177	3	6	3	427	17	4	71	16.6	2	0.5	11	2.6
KM4178	5	7	2	774	22	2.9	89	11.5	3	0.4	16	2
KM4179	8	10	2	458	15	3.2	61	13.4	3	0.6	16	3.5
KM4180	8	9	1	1123	54	4.8	217	19.3	5	0.5	25	2.2
KM4181	4	5	1	1554	56	3.6	229	14.7	6	0.4	32	2.1
KM4182	16	17	1	411	18	4.3	62	15	2	0.4	9	2.1
KM4182	6	11	5	1415	49	3.4	188	13.3	5	0.4	30	2.1
KM4183	5	7	2	1782	80	4.5	291	16.3	7	0.4	38	2.1
KM4185	11	15	4	526	24	4.6	85	16.1	2	0.4	12	2.4
KM4186	5	8	3	746	30	4	106	14.3	3	0.4	16	2.2
KM4187	8	10	2	1988	98	4.9	351	17.6	9	0.5	53	2.7
KM4188	1	2	1	363	14	3.7	46	12.7	1	0.4	7	2
KM4194	3	5	2	476	20	4.2	70	14.8	2	0.4	12	2.5
KM4195	8	11	3	913	46	5	155	17	4	0.4	20	2.2
KM4196	4	6	2	1160	51	4.4	188	16.2	5	0.5	30	2.6
KM4197	14	16	2	430	25	5.8	84	19.6	2	0.4	10	2.3

KM4197	12	13	1	424	18	4.4	66	15.6	2	0.4	10	2.5
KM4199	3	4	1	540	25	4.6	84	15.5	3	0.5	15	2.7
KM4200	3	5	2	836	37	4.4	133	15.9	3	0.4	18	2.1
KM4201	4	5	1	443	26	6	93	21.1	2	0.4	10	2.2
KM4202	7	8	1	745	36	4.8	126	16.9	3	0.4	18	2.5
KM4203	4	6	2	1207	55	4.5	206	17.1	7	0.6	39	3.2
KM4204	4	6	2	1766	96	5.5	339	19.2	8	0.4	44	2.5
KM4205	3	5	2	763	34	4.5	123	16.1	3	0.4	17	2.2
KM4206	3	4	1	2307	105	4.6	405	17.5	11	0.5	53	2.3
KM4207	1	2	1	1089	57	5.3	217	19.9	5	0.5	28	2.5
KM4208	1	4	3	520	23	4.5	86	16.5	2	0.4	12	2.2
KM4209	1	3	2	649	27	4.1	101	15.6	3	0.5	15	2.3
KM4210	2	5	3	633	24	3.9	89	14.1	3	0.5	15	2.4
KM4211	6	8	2	378	20	5.2	66	17.6	2	0.4	8	2.1
KM4212	8	10	2	881	43	4.9	159	18.1	3	0.4	17	1.9
KM4213	8	9	1	2178	54	2.5	240	11	12	0.5	72	3.3
KM4215	8	11	3	527	20	3.9	78	14.8	3	0.5	15	2.8
KM4216	9	11	2	483	18	3.7	69	14.2	3	0.5	14	2.9
KM4217	2	4	2	757	33	4.3	119	15.8	3	0.4	18	2.3
KM4218	3	5	2	1139	40	3.5	144	12.7	4	0.4	23	2.1
KM4219	2	3	1	482	19	3.9	67	13.9	2	0.4	11	2.2
KM4220	1	2	1	811	34	4.2	122	15.1	4	0.5	22	2.7
KM4221	7	9	2	796	32	4	110	13.8	3	0.4	16	2.1
KM4222	3	7	4	607	25	4.2	90	14.8	3	0.4	14	2.3
KM4222	8	9	1	363	17	4.6	60	16.6	2	0.5	10	2.6
KM4223	0	3	3	740	36	4.8	126	17.1	3	0.4	16	2.2
KM4224	2	4	2	1203	68	5.6	236	19.6	5	0.4	27	2.2
KM4225	5	7	2	549	25	4.6	92	16.8	3	0.5	14	2.5
KM4226	13	14	1	673	26	3.9	101	15.1	4	0.5	21	3.1
KM4227	13	14	1	899	39	4.3	142	15.8	4	0.4	22	2.4
KM4228	0	2	2	421	20	4.6	73	17.3	2	0.5	12	2.9
KM4229	1	3	2	626	23	3.6	88	14	3	0.5	20	3.2
KM4230	4	5	1	380	15	4	56	14.7	2	0.4	9	2.5
KM4232	9	13	4	887	44	5	166	18.8	4	0.4	18	2.1
KM4233	5	10	5	1079	50	4.6	204	18.9	5	0.5	29	2.7
KM4234	1	4	3	707	31	4.4	118	16.6	3	0.5	19	2.7
KM4235	1	2	1	1221	76	6.2	268	22	5	0.4	26	2.1
KM4236	1	3	2	609	25	4.1	96	15.8	3	0.4	15	2.4
KM4237	2	3	1	376	13	3.4	50	13.2	2	0.4	11	2.8
KM4238	0	1	1	519	26	5.1	98	18.9	3	0.5	15	2.9
KM4239	4	8	4	759	29	3.8	113	14.9	3	0.4	20	2.6
KM4240	2	7	5	856	33	3.9	131	15.3	4	0.5	24	2.8
KM4241	4	5	1	415	12	2.8	46	11	2	0.4	10	2.5
KM4242	1	2	1	565	32	5.7	121	21.5	3	0.5	13	2.3
KM4243	3	4	1	1681	62	3.7	229	13.6	6	0.4	33	2
KM4244	6	7	1	373	19	5.1	69	18.5	2	0.5	9	2.3
KM4244	2	3	1	509	23	4.6	85	16.6	2	0.5	12	2.3
KM4244	9	11	2	549	23	4.2	86	15.6	3	0.5	14	2.5
KM4245	1	2	1	691	25	3.7	96	13.9	3	0.4	15	2.1
KM4246	0	1	1	427	15	3.6	58	13.7	2	0.4	10	2.3
KM4247	6	7	1	362	12	3.4	45	12.5	2	0.4	8	2.1
KM4247	1	2	1	1031	55	5.4	192	18.7	5	0.5	22	2.1
KM4249	1	4	3	457	21	4.6	80	17.4	2	0.5	11	2.3
KM4250	1	3	2	1339	51	3.8	195	14.5	6	0.5	32	2.4
KM4251	1	2	1	470	22	4.8	84	17.8	2	0.5	11	2.3
KM4252	8	11	3	594	34	5.7	122	20.6	3	0.5	14	2.3
KM4253	4	6	2	824	29	3.5	106	12.9	4	0.5	22	2.6

KM4254	1	2	1	1704	93	5.4	334	19.6	7	0.4	31	1.8
KM4255	3	4	1	589	24	4	85	14.4	3	0.4	13	2.2
KM4257	0	1	1	510	21	4.1	85	16.6	3	0.6	14	2.8
KM4258	2	3	1	1907	112	5.9	401	21	8	0.4	39	2
KM4259	2	3	1	3395	214	6.3	721	21.2	10	0.3	49	1.4
KM4260	1	3	2	1233	52	4.2	186	15.1	5	0.4	25	2.1
KM4261	9	11	2	509	17	3.3	67	13.1	2	0.5	13	2.6
KM4264	5	6	1	778	29	3.7	115	14.8	4	0.5	24	3.1
KM4265	5	9	4	958	40	4.2	147	15.4	4	0.4	23	2.4
KM4266	9	10	1	397	14	3.4	51	12.7	2	0.4	9	2.2
KM4267	9	11	2	1223	51	4.2	196	16	6	0.5	32	2.6
KM4269	3	6	3	731	32	4.4	123	16.9	4	0.5	22	3
KM4271	2	5	3	725	28	3.9	113	15.6	5	0.6	27	3.7
KM4272	7	11	4	687	29	4.2	117	17	4	0.6	22	3.2
KM4273	10	12	2	463	18	3.9	68	14.7	2	0.5	13	2.7
KM4274	12	13	1	420	19	4.6	74	17.7	2	0.5	11	2.6
KM4274	10	11	1	370	16	4.3	61	16.5	2	0.5	10	2.8
KM4274	2	5	3	618	19	3	73	11.8	4	0.6	22	3.6
KM4275	10	11	1	461	17	3.8	67	14.6	2	0.5	12	2.6
KM4276	11	12	1	434	20	4.6	78	18.1	2	0.5	12	2.8
KM4277	4	7	3	655	21	3.2	80	12.3	3	0.4	15	2.3
KM4280	2	8	6	437	18	4	70	16	2	0.5	12	2.9
KM4281	7	8	1	360	11	3.1	48	13.4	2	0.6	13	3.5
KM4283	6	7	1	357	12	3.3	50	14.1	2	0.6	14	3.9
KM4284	8	9	1	1060	48	4.5	196	18.5	5	0.5	28	2.6
KM4286	2	3	1	410	15	3.6	57	13.8	2	0.4	9	2.2
KM4294	11	12	1	352	12	3.5	47	13.4	1	0.3	6	1.7
KM4294	13	14	1	424	14	3.4	58	13.7	2	0.4	10	2.4
KM4296	11	13	2	374	15	4.1	60	16	1	0.4	8	2.1
KM4296	14	17	3	1050	42	4	165	15.7	4	0.4	24	2.3
KM4297	8	10	2	491	20	4.1	76	15.5	2	0.4	11	2.2
KM4299	1	2	1	386	18	4.7	63	16.4	1	0.4	8	2
KM4299	20	21	1	530	20	3.8	76	14.4	2	0.4	14	2.6
KM4300	6	9	3	853	45	5.2	159	18.6	2	0.3	13	1.5
KM4300	18	19	1	494	23	4.6	86	17.4	2	0.4	9	1.9
KM4300	21	22	1	909	33	3.6	138	15.1	4	0.4	24	2.7
KM4301	11	12	1	930	33	3.5	125	13.4	4	0.4	24	2.5
KM4301	13	15	2	487	16	3.4	74	15.2	3	0.6	18	3.6
KM4302	12	13	1	772	36	4.7	154	19.9	3	0.4	15	1.9
KM4303	12	15	3	771	31	4	122	15.9	3	0.4	18	2.3
KM4304	16	18	2	658	27	4.2	98	14.9	2	0.4	13	2
KM4305	7	9	2	818	31	3.8	122	14.9	3	0.4	20	2.4
KM4318	8	9	1	380	19	4.9	65	17.1	1	0.2	4	1.1
KM4319	12	13	1	429	17	4	67	15.5	2	0.5	12	2.8
KM4319	10	11	1	368	13	3.5	50	13.5	2	0.5	12	3.2
KM4320	15	16	1	511	21	4.2	81	15.8	2	0.5	13	2.6
KM4321	15	17	2	1030	47	4.5	182	17.6	5	0.4	23	2.2
KM4322	15	16	1	543	23	4.2	86	15.8	2	0.4	11	2.1
KM4323	15	16	1	1000	42	4.2	160	16	5	0.5	24	2.4
KM4324	14	16	2	1204	46	3.8	177	14.7	5	0.4	26	2.2
KM4326	12	13	1	705	32	4.6	117	16.5	3	0.5	17	2.5
KM4327	12	13	1	487	22	4.5	86	17.6	2	0.5	13	2.7
KM4328	11	13	2	786	27	3.4	104	13.2	3	0.4	16	2
KM4329	16	17	1	831	38	4.6	143	17.3	4	0.5	21	2.6
KM4330	13	14	1	589	18	3.1	69	11.7	2	0.4	11	1.9
KM4330	15	16	1	415	19	4.7	68	16.4	2	0.4	9	2.2
KM4331	12	13	1	780	29	3.7	111	14.3	3	0.4	16	2

KM4332	11	12	1	1201	50	4.1	188	15.6	5	0.4	28	2.4
KM4333	14	15	1	754	36	4.8	135	17.9	4	0.5	20	2.6
KM4334	13	14	1	780	30	3.9	112	14.4	3	0.4	16	2
KM4335	13	15	2	702	30	4.3	112	15.9	3	0.4	15	2.2
KM4336	12	14	2	673	32	4.8	122	18.1	3	0.5	19	2.9
KM4337	13	15	2	439	16	3.7	59	13.4	2	0.4	9	2.1
KM4339	16	19	3	550	26	4.7	104	18.9	3	0.5	16	2.9
KM4340	16	18	2	616	29	4.8	111	18.1	3	0.5	16	2.6
KM4341	15	16	1	533	16	3.1	63	11.9	1	0.3	8	1.5
KM4342	15	16	1	1723	97	5.6	343	19.9	7	0.4	37	2.1
KM4345	19	20	1	1106	45	4.1	187	16.9	6	0.5	34	3.1
KM4346	16	17	1	1027	41	4	166	16.1	4	0.4	26	2.6
KM4347	15	16	1	452	22	4.9	92	20.3	2	0.5	12	2.7
KM4348	15	16	1	576	24	4.2	95	16.5	2	0.4	14	2.4
KM4350	3	4	1	432	16	3.6	65	15	2	0.4	11	2.5
KM4350	10	11	1	371	12	3.2	50	13.4	2	0.6	13	3.4
KM4352	8	10	2	828	36	4.3	142	17.2	3	0.4	16	1.9
KM4354	6	7	1	1072	46	4.3	184	17.2	6	0.6	32	3
KM4355	6	8	2	486	18	3.8	71	14.5	2	0.4	11	2.3
KM4357	8	10	2	729	29	4	112	15.4	3	0.4	17	2.3
KM4358	3	5	2	426	20	4.6	72	16.8	2	0.4	9	2.2
KM4359	2	3	1	382	18	4.7	64	16.8	1	0.4	7	1.8
KM4360	7	8	1	359	15	4.2	59	16.3	2	0.4	8	2.3
KM4361	7	8	1	367	16	4.3	58	15.7	1	0.3	6	1.5
KM4363	9	10	1	538	21	4	85	15.8	2	0.4	12	2.2
KM4365	9	10	1	447	18	4.1	73	16.3	2	0.5	11	2.4
KM4366	3	4	1	519	19	3.7	73	14.1	2	0.3	10	1.9
KM4367	3	4	1	1525	89	5.8	320	21	5	0.3	23	1.5
KM4370	14	16	2	424	12	2.9	49	11.5	2	0.4	12	2.8
KM4378	8	10	2	1087	52	4.8	200	18.4	5	0.5	31	2.8
KM4379	10	11	1	602	31	5.1	114	19	3	0.5	16	2.7
KM4380	8	10	2	681	32	4.6	124	18.2	4	0.5	20	3
KM4381	8	9	1	1544	66	4.2	248	16.1	7	0.5	42	2.7
KM4382	1	2	1	499	20	4.1	63	12.6	1	0.2	7	1.5
KM4382	8	10	2	638	25	4	99	15.6	3	0.5	18	2.9
KM4383	11	13	2	528	24	4.6	91	17.3	2	0.5	15	2.8
KM4384	9	10	1	449	18	4	67	14.9	2	0.5	12	2.7
KM4385	10	11	1	433	21	4.7	78	18.1	2	0.4	9	2.1
KM4386	9	10	1	576	28	4.8	105	18.2	2	0.4	11	1.9
KM4387	11	13	2	478	20	4.2	83	17.3	3	0.6	19	4
KM4388	16	17	1	355	16	4.5	62	17.4	2	0.5	9	2.5
KM4389	10	11	1	544	23	4.2	88	16.3	2	0.4	13	2.4
KM4390	14	15	1	361	19	5.2	68	18.8	2	0.5	8	2.3
KM4390	16	17	1	361	12	3.3	47	13.1	2	0.4	9	2.6
KM4393	14	15	1	633	27	4.2	111	17.6	3	0.5	18	2.9
KM4394	12	13	1	751	35	4.7	140	18.6	3	0.4	13	1.7
KM4395	14	15	1	579	26	4.5	107	18.5	3	0.5	14	2.4
KM4396	17	18	1	921	38	4.2	174	18.9	5	0.5	26	2.8
KM4397	7	9	2	695	24	3.4	89	12.8	3	0.4	15	2.2
KM4398	10	12	2	546	20	3.6	75	13.7	2	0.4	12	2.3
KM4399	10	13	3	448	16	3.7	65	14.5	2	0.5	12	2.7
KM4400	6	8	2	566	23	4.1	89	15.7	3	0.5	15	2.6
KM4401	6	7	1	1063	48	4.5	180	16.9	4	0.4	24	2.2
KM4402	6	7	1	2759	133	4.8	496	18	11	0.4	67	2.4
KM4403	6	7	1	672	33	4.9	124	18.4	3	0.5	20	2.9
KM4404	6	7	1	811	38	4.6	141	17.4	4	0.4	21	2.6
KM4405	4	5	1	1033	44	4.3	160	15.5	4	0.4	21	2.1

KM4406	4	6	2	783	34	4.3	126	16	3	0.4	20	2.6
KM4407	4	5	1	954	40	4.2	148	15.5	4	0.4	20	2.1
KM4409	3	5	2	374	16	4.3	60	16.1	1	0.4	8	2.2
KM4410	13	14	1	562	27	4.8	93	16.6	2	0.3	9	1.6
KM4410	10	12	2	459	23	5.1	83	18.1	2	0.3	9	2
KM4411	11	12	1	455	26	5.7	98	21.6	2	0.4	10	2.2
KM4411	6	8	2	426	22	5.1	79	18.6	2	0.4	11	2.5
KM4413	3	5	2	485	17	3.4	66	13.6	2	0.4	14	2.8
KM4414	3	4	1	578	23	3.9	86	14.9	2	0.4	13	2.3
KM4415	3	5	2	592	25	4.1	95	16	3	0.4	15	2.5
KM4416	3	4	1	509	19	3.8	73	14.3	2	0.4	13	2.5
KM4417	1	2	1	565	24	4.2	89	15.8	2	0.4	14	2.5
KM4418	4	5	1	1024	40	3.9	157	15.4	4	0.4	25	2.4
KM4419	7	8	1	968	45	4.6	178	18.4	4	0.4	19	2
KM4420	3	5	2	1086	44	4.1	179	16.5	5	0.5	27	2.5
KM4421	1	3	2	615	28	4.6	111	18	3	0.4	13	2.2
KM4422	2	4	2	637	11	1.7	42	6.5	1	0.2	7	1.1
KM4423	2	5	3	532	22	4.1	86	16.2	2	0.4	11	2.2
KM4424	3	5	2	836	30	3.6	119	14.2	3	0.4	19	2.3
KM4425	5	6	1	1058	24	2.3	92	8.7	2	0.2	12	1.1
KM4427	5	7	2	850	50	5.9	197	23.2	5	0.6	27	3.2
KM4428	5	6	1	2822	143	5.1	524	18.6	9	0.3	44	1.5
KM4430	5	6	1	1025	53	5.2	211	20.6	4	0.4	20	2
KM4431	2	3	1	679	13	2	51	7.6	1	0.2	8	1.1
KM4431	5	6	1	1320	71	5.4	267	20.2	7	0.5	37	2.8
KM4432	6	7	1	1446	70	4.8	266	18.4	5	0.3	24	1.7
KM4434	5	6	1	1151	63	5.4	254	22.1	5	0.5	25	2.2
KM4435	6	8	2	1779	71	4	282	15.8	8	0.4	47	2.6
KM4436	5	6	1	799	33	4.1	142	17.8	5	0.6	28	3.5
KM4437	4	5	1	1343	45	3.4	189	14.1	7	0.5	40	3
KM4438	8	10	2	532	24	4.4	93	17.4	2	0.4	13	2.5
KM4439	5	7	2	789	31	3.9	123	15.6	3	0.4	19	2.4
KM4440	7	8	1	1237	59	4.8	219	17.7	5	0.4	25	2.1
KM4441	7	8	1	466	13	2.9	54	11.7	2	0.4	12	2.6
KM4442	7	8	1	2134	119	5.6	468	21.9	13	0.6	73	3.4
KM4443	7	9	2	885	51	5.7	190	21.4	4	0.4	18	2
KM4444	6	8	2	1569	63	4	246	15.7	6	0.4	36	2.3
KM4445	7	9	2	511	20	3.9	80	15.7	2	0.5	14	2.7
KM4446	8	9	1	927	51	5.5	195	21	4	0.4	21	2.3
KM4447	6	7	1	616	25	4.1	96	15.6	2	0.4	13	2
KM4448	8	9	1	2218	112	5	416	18.8	9	0.4	50	2.3
KM4451	3	5	2	1004	48	4.8	184	18.3	4	0.4	25	2.4
KM4452	9	10	1	655	22	3.4	79	12.1	2	0.3	10	1.5
KM4453	3	5	2	733	29	3.9	107	14.6	3	0.4	18	2.4
KM4455	7	10	3	2033	109	5.4	422	20.8	10	0.5	55	2.7
KM4456	9	10	1	392	16	4.2	63	16.2	2	0.6	15	3.8
KM4457	7	8	1	813	11	1.3	37	4.6	1	0.2	7	0.9
KM4458	2	3	1	354	16	4.5	58	16.5	1	0.4	8	2.4
KM4459	6	7	1	497	16	3.1	59	11.9	2	0.4	11	2.2
KM4459	3	5	2	796	44	5.6	162	20.4	4	0.4	20	2.5
KM4460	8	10	2	761	34	4.5	129	17	4	0.5	20	2.6
KM4461	9	10	1	632	31	4.9	119	18.8	3	0.5	20	3.2
KM4462	6	8	2	934	37	4	142	15.2	4	0.5	26	2.8
KM4463	6	7	1	1238	35	2.8	134	10.8	4	0.3	26	2.1
KM4464	6	7	1	384	12	3.1	44	11.5	1	0.4	9	2.2
KM4473	8	9	1	391	21	5.5	78	20	2	0.4	9	2.2
KM4475	2	4	2	587	24	4.1	85	14.5	2	0.4	13	2.3

KM4477	4	6	2	682	31	4.5	108	15.9	2	0.3	10	1.5
KM4478	5	6	1	857	45	5.2	156	18.2	3	0.4	16	1.9
KM4478	7	8	1	442	21	4.8	78	17.7	2	0.5	12	2.7
KM4479	16	18	2	472	19	4	69	14.7	2	0.5	12	2.6
KM4479	2	3	1	374	17	4.7	62	16.6	2	0.5	10	2.8
KM4480	5	7	2	481	20	4.2	74	15.3	2	0.4	11	2.3
KM4482	6	9	3	397	19	4.7	65	16.3	1	0.4	8	2.1
KM4483	2	3	1	470	23	4.9	80	17.1	2	0.3	9	1.9
KM4486	2	3	1	378	9	2.3	32	8.4	1	0.3	7	1.9
KM4487	1	3	2	364	15	4	56	15.5	1	0.4	9	2.4
KM4491	2	3	1	382	14	3.7	56	14.6	2	0.4	8	2.2
KM4492	16	17	1	379	14	3.6	56	14.7	1	0.4	8	2.2
KM4496	18	19	1	646	27	4.1	115	17.8	3	0.5	20	3.1
KM4498	16	17	1	404	17	4.3	73	18.2	2	0.5	10	2.5
KM4499	19	20	1	779	32	4.1	132	16.9	4	0.5	21	2.8
KM4500	19	20	1	611	28	4.6	126	20.6	3	0.5	18	2.9
KM4501	6	7	1	385	16	4.2	68	17.6	2	0.5	11	2.8
KM4502	7	8	1	907	38	4.2	153	16.9	4	0.4	22	2.4
KM4503	2	3	1	516	17	3.2	67	13	2	0.3	9	1.8
KM4554	21	22	1	427	20	4.8	77	18	2	0.4	9	2.1
KM4557	23	24	1	470	23	4.9	92	19.6	2	0.5	12	2.5
KM4559	15	16	1	409	19	4.7	75	18.3	2	0.5	11	2.8
KM4560	14	15	1	750	30	4	125	16.6	4	0.5	23	3
KM4561	17	19	2	461	18	3.9	70	15.2	2	0.4	11	2.4
KM4562	13	15	2	398	15	3.8	60	15.2	2	0.4	10	2.6
KM4563	15	16	1	407	19	4.6	71	17.4	2	0.4	9	2.3