



8 May 2024

ASX Announcement

Thick Intersections up to 118m @ 43.3% MgO –
Prospect Ridge Magnesite Phase 1 Diamond Drilling Results

- The Prospect Ridge Magnesite project is located in north west Tasmania (70% GWR Group Limited (ASX:GWR), and 30% Dynamic Metals (ASX:DYM) contains the third largest Magnesite inventory in Australia¹ with R&D Incentive submission completed by the Company during the June quarter.
- Phase 1 diamond drilling program completed at the Arthur River deposit consisting of four HQ3 diamond drill holes for 485.3 m (AR035 to AR038) with Significant results including;
 - AR035, 118.7 m at 43.3% MgO from 6.3 m
 - AR036, 61.5 m at 42.9% MgO from 11.3 m
 - AR037, 30.8 m at 43.7% MgO from 92.7 m
 - AR038, 34.5 m at 42.1% MgO from 75.5 m
- Highly anomalous sulphur (S) intersected in AR038 (refer to Appendix 2) including;
 - 11 m at 2.4% S from 62 m, including 2m at 9.2% S
 - 10 m at 0.4% S from 99.5 m to end of hole
- These intervals also contain elevated Fe and will be resubmitted for a suite of elements including Au, Ag and Cu using ICP
- As previously announced GWR is an industry partner that is part of Federal government funded Regional Research Collaboration Grant (RRC), being undertaken by the Centre for Ore Deposit and Earth Sciences University of Tasmania (“CODES”).
- Metallurgical testwork is now being undertaken by Nagrom and CODES in respect to the RRC project on drill core obtained from the Phase 1 drilling program, this work includes:
 - 143 kg master composite sample prepared by Nagrom in Perth from the diamond drill core obtained in the 2023 drilling program for Metallurgical testwork.
 - 69.9 kg of the master composite forwarded to CODES in Hobart as part of the RRC project.
 - Current work is focusing on ways to reduce contaminants in particular silica and optimising the flow sheet.
- Approval was granted on 1st May 2024 by Mineral Resources Tasmania for Phase 2 drilling program comprising of 6 drill holes for 900m at the Arthur River deposit.
- Phase 2 drilling program will be used to provide additional metallurgical samples, assist with mineral Resource estimation and domaining of mineralisation types.

¹ Source Geoscience Australia Website – www.ga.gov.au

GWR Group Limited (**ASX:GWR**) (“GWR” or “the **Company**”) is pleased to advise shareholders of recent significant progress at Prospect Ridge magnesium project located in north west Tasmania. The project is 70% GWR, and 30% Dynamic Metals (**ASX:DYM**).

The Prospect Ridge Magnesite project area is located in northwest Tasmania, 40 km southwest of the Port of Burnie. It sits upon a granted Exploration Licence (EL5/2016), it is 11 km long and 51 km² in area and contains two magnesite deposits, the Arthur River and Lyons River deposits containing the third largest Magnesite inventory in Australia.

The Arthur River prospect is a large high grade magnesium deposit where previous exploration has identified an Inferred Mineral Resource estimate of 25.1Mt @ 42.4% MgO (refer to ASX announcement dated 27th January 2022) and Prospect Ridge Magnesite Project with GWR as an industry partner are part of Federal government funded Regional Research Collaboration Grant (RRC), being undertaken at the University Centre for Ore Deposit and Earth Sciences University of Tasmania (“CODES”).

The RRC project focuses on North West Tasmania and aims to enhance Australia’s Economy through research, training, and environmentally sustainable production of critical metals.

Diamond Drilling Results

Phase 1 diamond drilling program consisting of 4 HQ3 diamond drill holes for 485.3 m (AR035 to AR038) has been completed at the Arthur River deposit. Difficult ground conditions were encountered mainly associated with cavities that were often filled with sand and clay.

The drilling was undertaken by Metallo Pty Ltd using an Atlas Copco Mustang track mounted diamond drill rig (**Figure 1 – Drill Rig at AR035**)



Figure 1: Drill Rig at AR035

Drill hole collars are summarised in Table 1 and Figure 3

HoleType	HoleID	Depth	North	East	RL	MGAAzi	Dip
DDH_HQ3	AR035	145.7	5,439,313.3	369,339.3	146	0	-90
DDH_HQ3	AR036	99.8	5,439,349.5	369,431.2	153	0	-90
DDH_HQ3	AR037	123.5	5,439,228.2	369,400.8	151	330	-60
DDH_HQ3	AR038	116.3	5,439,417.8	369,336.7	147	330	-60

Table 1: Drill Hole Collars Arthur River Deposit *Coordinates are MGA94 Zone 55,*

The drilling targeted the central portion of the Arthur River deposit and broad zones of significant mineralisation was encountered in all holes. Significant intercepts are listed in Table 2, all assay results are provided in Appendix 2 (should a recovery column be inserted?). Figure 2 provides a cross section through the Arthur River deposit.

Hole #	North	East	RL	Azi	Dip	From (m)	To (m)	Interval (m)	MgO (%)	SiO2 (%)	Fe2O3 (%)	Al2O3 (%)	CaO (%)	LOI1000 (%)
AR035	5,439,313.2	369,339.3	146.5	0	-90	6.3	125.0	118.7	43.3	6.8	1.5	0.01	1.0	47.4
							130.0	145.7*	15.7	42.4	7.1	1.9	0.01	1.4
AR036	5,439,349.5	369,431.2	151.9	0	-90	11.3	75.8	64.5	42.9	4.9	2.2	0.04	1.9	48.4
							81.8	99.8*	18.0	41.4	6.4	1.1	0.02	3.4
AR037	5,439,228.2	369,400.9	151.7	330	-60	92.7	123.5*	30.8	43.7	6.0	0.6	0.01	1.1	48.4
AR038	5,439,417.8	369,336.7	146.1	330	-60	75.5	110.0	34.5	42.1	0.4	5.5	0.02	1.4	49.0
* End of Hole (finished in mineralisation)														
All coordinates are MGA 94 Zone 55														

Table 2: Significant drill hole intercepts

Highly anomalous sulphur (S) intersected in AR038 (refer to Appendix 2) including;

- 11m at 2.4% S from 62m, including 2m at 9.2% S
- 10m at 0.4% S from 99.5m to end of hole

These intervals also contain elevated Fe and will be resubmitted for a suite of elements including Au, Ag and Cu using ICP.

Drilling Approvals

Approval was granted on 1st May 2024 by Mineral Resources Tasmania for Phase 2 drilling program consisting 6 drill holes for 900m at the Arthur River deposit. Phase 2 drilling program will be used to provide additional metallurgical samples, assist with mineral Resource estimation and domaining of mineralisation types

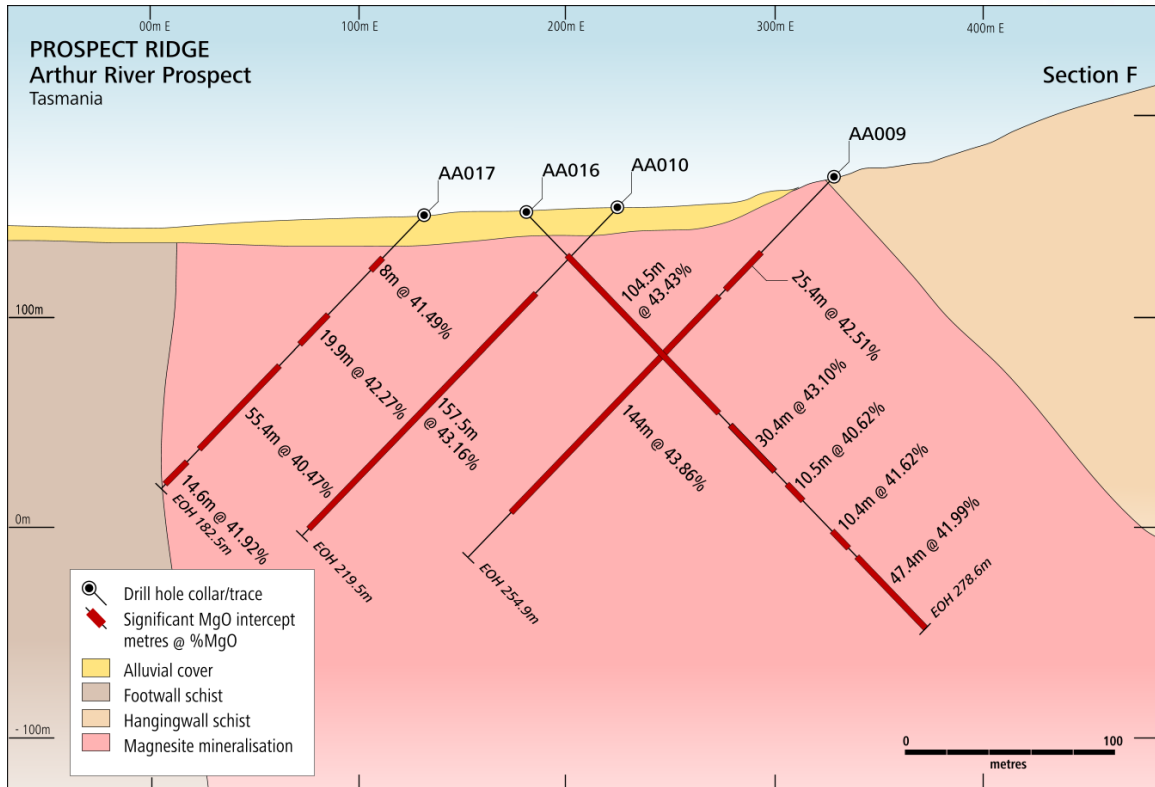


Figure 2: Cross Section through the Arthur River Deposit

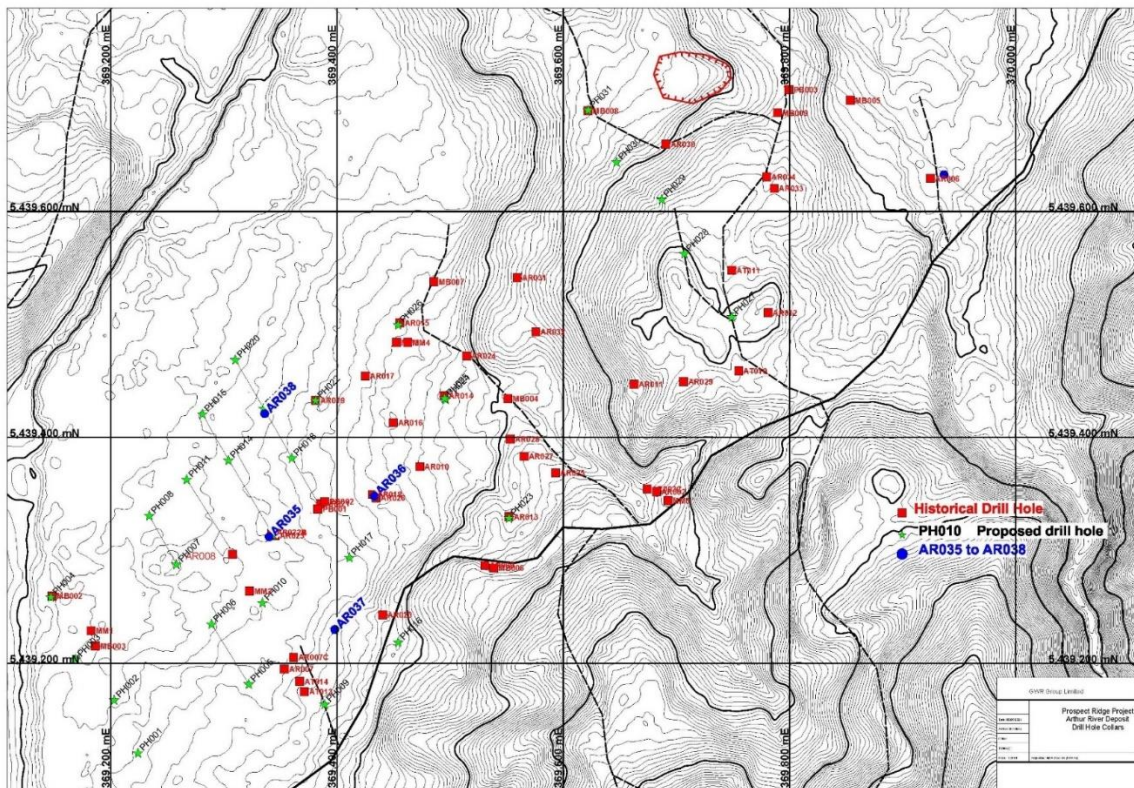


Figure 3: Drill Hole Collars

GWR's Chairman Gary Lyons said:

“The drilling results mark a milestone in our Project, underscoring its potential. The Company is further encouraged by the completion of our R&D submission following ongoing efforts in the potential for multiple end-user applications.”

This ASX announcement was authorised for release by Gary Lyons, Chairman of GWR Group Limited.

For further information

Gary Lyons
Chairman

Email:
garylyons@heiniger.com.au

David Utting
David Utting Corporate
Ph: +61 416187462

Email:
david@davidutting.com

Sonu Cheema
Company Secretary

Email:
sonu.cheema@nexiaperth.com.au

Rhys Davies
Company Secretary

Email:
rhys@metriccs.com.au

Competent Person's Statements

The information in this report which relates to Exploration Targets, Exploration Results and Mineral Resources or Ore Reserves is based on information compiled by Mr Allen Maynard, who is a Member of the Australian Institute of Geosciences (“AIG”) Member of the AusIMM and independent consultant to the Company. Mr Maynard is the Director and principal geologist of Al Maynard & Associates Pty Ltd and has over 40 continuous years of exploration and mining experience in a variety of mineral deposit styles. Mr Maynard 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, Exploration Targets, Mineral Resources and Ore Reserves” (JORC Code). Mr Maynard consents to inclusion in the report of the matters based on this information in the form and context in which it appears.

Where the Company refers to previous announcements of Exploration Results and Mineral Resources it confirms that it is not aware of any new information or data that materially effects the information included in previous announcements and all material assumptions and technical parameters disclosed in those announcements continue to apply and have not materially changed

Where the Company refers to the Mineral Resource Estimate in this announcement, referencing the previous announcements made to the ASX and specifically that made on 27 January 2022, it confirms that it is not aware of any new information or data that materially affects the information in those announcements, and all material assumptions and technical parameters underpinning the Mineral Resource Estimate continue to apply and have not materially changed.

Forward looking statements

This announcement contains forward-looking statements which are identified by words such as ‘may’, ‘could’, ‘believes’, ‘estimates’, ‘targets’, ‘expects’, or ‘intends’ and other similar words that involve risks and uncertainties. These statements are based on an assessment of present economic and operating conditions, and on a number of assumptions regarding future events and actions that, as at the date of this announcement, are expected to take place. Such forward-looking statements does not guarantee future performance and involve known and unknown risks, uncertainties, assumptions and other important factors, many of which are beyond the control of the Company, the directors and our management. We cannot and do not give any assurance that the results, performance or achievements expressed or implied by the forward-looking statements contained in this prospectus will actually occur and investors are cautioned not to place undue reliance on these forward-looking statements. We have no intention to update or revise forward-looking statements, or to publish prospective financial information in the future, regardless of whether new information, future events or any other factors affect the information contained in this announcement, except where required by law. These forward-looking statements are subject to various risk factors that could cause our actual results to differ materially from the results expressed or anticipated in these statements.

About Prospect Ridge

On 27 January 2022 GWR announced that it had executed a Sale and Purchase Agreement (SPA) with HiTec Minerals Pty Ltd (HiTec) for the acquisition of a 70% interest in the advanced Prospect Ridge Magnesite project located in north-west Tasmania. HiTec is a wholly owned subsidiary of Dynamic Metals Ltd (ASX:DYM).

The Prospect Ridge is located in northwest Tasmania, 40km southwest of the Port of Burnie. It sits on a granted Exploration Licence, (EL5/2016), it is 11km long and 51km² and contains two magnesite deposits, the Arthur River and Lyons River deposits containing the third largest Magnesite inventory in Australia (Source Geoscience Australia Website – www.ga.gov.au.)

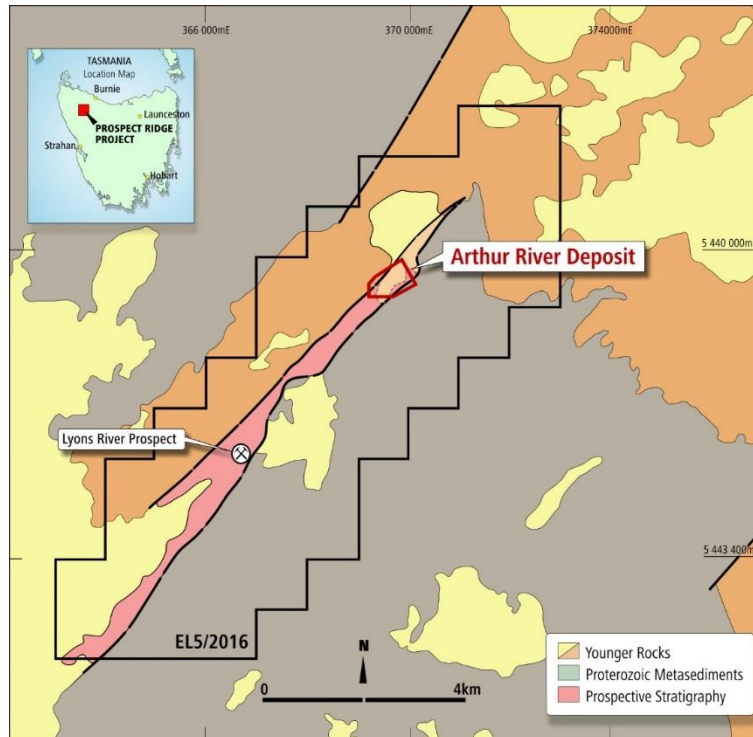


Figure 1: Prospect Ridge Location Plan showing tenure and summary geology

Previous exploration at the Arthur River magnesite deposit has identified a JORC 2012 Inferred Mineral Resource estimate of 25 million tonnes at 42.4% MgO. This is based upon previous diamond drilling over a strike length of approximately 800 m, where a total of 44 holes was completed for 6.939 m on lines approximately 150 m to 50 m apart.

Table: Arthur River Inferred Mineral Resource Estimate

Cut-Off (MgO (%))	Tonnes	MgO (%)	SiO2 (%)	Fe2O3 (%)	CaO (%)
36	36,820,000	41.1	5.9	1.7	2.9
38	32,090,000	41.7	5.4	1.6	2.8
40	25,120,000	42.4	4.8	1.4	2.6
42	15,280,000	43.3	4.2	1.3	2.2
44	3,040,000	44.5	3.0	1.0	1.9

Refer ASX announcement 27 January 2022 and previously by Jindalee Resources Limited dated 10 October 2017



Appendix 1

SECTION 1 SAMPLING TECHNIQUES AND DATA

Criteria	JORC Code explanation	Commentary
Sampling techniques	<i>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.</i>	Sampling is based upon HQ diamond drilling A total of 4 HQ diamond drill holes for 485.3 m have been completed and sampling carried out under the direct supervision of a qualified geologist
	<i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used</i>	Half core samples were collected using a diamond saw to cut the core whilst respecting geological boundaries and recoveries
	<i>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. submarine nodules) may warrant disclosure of detailed information</i>	Diamond core sample lengths ranged from 0.2 m to 3 m and varied according to geological boundaries and core recovery. Where possible a nominal sample interval of 1 m was applied. All sampled core from the interval was submitted to the laboratory for sample preparation no sub-sampling was performed on site Sample intervals were modified to match geological boundaries
Drilling techniques	<i>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).</i>	All drilling was diamond drilling in HQ3 core size.
Drill sample recovery	<i>Method of recording and assessing core and chip sample recoveries and results assessed</i>	The drilling sample recovery was visually assessed, measured and recorded on drill logs and varies according to ground conditions.
	<i>Measures taken to maximise sample recovery and ensure representative nature of the samples</i>	Core recovery was measured and recorded for each sample and the information stored in an analytical database. Average core recovery was 56%, with most core loss being from silt filled cavities within the magnesite body.
	<i>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.</i>	No relationship between core recovery and grade recovery was noted.
Logging	<i>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.</i>	All drilling was logged by a qualified geologist, logs were loaded into Excel spreadsheets and subsequently into an Access database.
	<i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i>	The drill sample logging was qualitative.
	<i>The total length and percentage of the relevant intersections logged</i>	Each drill hole sample was logged
Sub-sampling techniques and sample preparation	<i>If core, whether cut or sawn and whether quarter, half or all core taken.</i>	Half core samples were cut with a diamond saw.
	<i>If non-core, whether riffled, tube sampled,</i>	Only diamond core samples were collected.

	<p><i>rotary split, etc and whether sampled wet or dry.</i></p> <p><i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i></p>	<p>Samples were submitted to Nagrom in Perth, where the following as undertaken:</p> <ul style="list-style-type: none"> • crushed to a nominal 6.3 mm • Riffle split with 1/2 sample retained for metallurgical testwork • Pulverised to 80% passing 75µm <p>The process is considered appropriate given the coarse-grained nature of the mineralisation. This work was conducted to generally accepted industry standards.</p>
	<p><i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i></p> <p><i>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.</i></p>	<p>QC procedures included the submission of analytical standards, duplicates and repeats at Nagrom as per accepted industry procedures.</p> <p>Re-splitting and re-assaying of sub samples and field duplicates has not yet been undertaken due to the early stages of the project. However, bulk metallurgical samples were collected and the results reconciled with analytical data.</p>
<p>Quality of assay data and laboratory tests</p>	<p><i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i></p> <p><i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i></p>	<p>The sample size is considered appropriate to the grain size of the material being sampled.</p> <p>Samples were analysed using XRF. XRF has proven to be a very accurate analytical technique for a wide range of base metals, trace elements and major constituents found in rocks and mineral materials. Glass fusion XRF is utilised for assaying, since it provides good accuracy and precision; it is suitable for analysis from very low levels up to very high levels.</p> <p>All samples were submitted to NATA accredited laboratory and used industry accredited analytical methods.</p> <p>The assaying techniques used are total analyses.</p>
	<p><i>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.</i></p>	<p>No geophysical or field analytical equipment was used.</p>
<p>Verification of sampling and assaying</p>	<p><i>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.</i></p> <p><i>The verification of significant intersections by either independent or alternative company personnel.</i></p> <p><i>The use of twinned holes.</i></p>	<p>Laboratory QA/QC data is available. As work was undertaken by a NATA accredited laboratory their results are considered acceptable.</p> <p>No independent verification of significant drill hole intercepts has been undertaken yet.</p> <p>No twinned holes were drilled.</p>
	<p><i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i></p>	<p>All drilling information was recorded on paper then subsequently entered into excel spreadsheets which were checked for irregularities.</p>
<p>Location of data points</p>	<p><i>Discuss any adjustment to assay data.</i></p> <p><i>Accuracy and quality of surveys used to locate drillholes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i></p>	<p>All hard copy data was checked and verified.</p> <p>No adjustments were made to the assay data.</p> <p>Drill hole collars were located by a licenced surveyor and are considered accurate to +/- 0.1 m. due to caving nature of the ground and subsequent danger of equipment loss.</p> <p>No down hole surveys were undertaken.</p>
	<p><i>Specification of the grid system used.</i></p> <p><i>Quality and adequacy of topographic control.</i></p>	<p>GDA94 Zone 55.</p> <p>The topographic model was generated from LiDAR data and is considered accurate to +/- 1 cm.</p>



Data spacing and distribution	<i>Data spacing for reporting of Exploration Results.</i>	At Arthur River, drill holes are on a section spacing of approximately 50 m with holes at variable spacings on each section, averaging 100 m. Drill spacing was impacted by topographic features and to minimise vegetation clearing; it is common to collar pairs of drill holes from a single pad.
Orientation of data in relation to geological structure	<i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i>	At Lyons River, drill hole spacing is mostly 500 m X 500 m, with minor 100 m X 100 m spacing in the north. At Arthur River, data density is considered sufficient for estimation of an Inferred resource, but not sufficient for Ore Reserve estimation.
Orientation of data in relation to geological structure	<i>Whether sample compositing has been applied.</i>	At Lyons River, the drill hole spacing is not considered appropriated for the estimation of a Resource. At Arthur River, sample compositing of 3 m has been applied for use in the Resource estimation.
Orientation of data in relation to geological structure	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i>	At Arthur River, the mineralisation is interpreted to dip 35 degrees to the east; drilling at angles between vertical and 60 degrees is considered to be appropriate to achieve unbiased sampling of this style of mineralisation.
Orientation of data in relation to geological structure	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i>	At Lyons River, the majority of the drilling has been sub-perpendicular to the steeply dipping mineralisation and drill hole orientation is not considered to have introduced any material bias.
Orientation of data in relation to geological structure	<i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</i>	Considering the massive nature of the mineralisation no drill orientation bias has been introduced.
Sample security	<i>The measures taken to ensure sample security.</i>	The drill core was stored in a locked shed and half core samples were placed in sealed poly-weave bags and bulka bags delivered by courier to the laboratory in Perth. Sample submission forms used to track samples were emailed directly to the laboratory.
Audits or reviews	<i>The results of any audits or reviews of sampling techniques and data.</i>	Internal Company audits for both historical and current Company drilling are carried out to ensure drilling and sampling techniques are consistent with industry standards, Global consistency is audited by plotting sections and reconciling assays.

SECTION 2 REPORTING OF EXPLORATION RESULTS

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.	The Prospect Ridge project is located upon EL5/2016 held by GWR Group Limited via its 100% owned subsidiary, Tasmanian Magnesium Pty Ltd which holds a 70% interest in EL5/2016; and Dynamic Metals via its wholly owned subsidiary HiTec Minerals Pty Ltd which is valid until 27 th November 2024, at which time the licence may be renewed. The consultant who introduced the Project retains a 1% gross royalty capped at \$500,000 in cash or shares
Exploration done by other parties	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. Acknowledgment and appraisal of exploration by other parties.	The tenement is in good standing and valid until 27 th November 2024, at which time the licence may be renewed. The Arthur River magnesite deposit was first discovered in 1925 by the geologist B. P. Nye. In 1970, Mineral Holdings Australia Pty Ltd (MHA) was granted a large exploration license (EL43/70) over the



		<p>area and carried out exploration in association with a number of joint venture partners.</p> <p>Between 1982 and 1988 MHA, in joint venture with CRAE, carried out geological mapping gravity surveys, diamond drilling, metallurgical testing and feasibility and marketing studies.</p> <p>CRAE completed 7 diamond drill holes on the Arthur River Project (AR001 to AR007) totalling 1,610m of drilling. This work delineated the magnesite body at the Arthur River, over 3,500 m of strike length</p> <p>In 1997, Tasmania Magnesite N.L. (TMNL) entered into an option agreement to purchase the Arthur River Project from MHA. Check and exploratory diamond drilling at Arthur River comprised seven holes totalling 1,254.3 m (AR002C, AR007C and AR008 to AR012).</p> <p>Crest Magnesium/TMNL went on to complete a further 16 diamond drill holes, one test pumping bore and 5 monitoring bores totalling 4,226.1 m of drilling. They initiated feasibility work, hydrogeological studies, and resource estimation.</p> <p>Resource estimates generated and publicly reported by Crest are comparable in tonnage MGO grades and contaminant grades to an estimate prepared by Derwent Geoscience in October 2017.</p> <p>Beacon Hill PLC, through its wholly owned subsidiary TMNL, completed a further 1,118 m of drilling, environmental studies, hydrogeological studies, metallurgical test work, resource estimation and marketing studies which culminated in a scoping study.</p>
Geology	Deposit type, geological setting and style of mineralisation.	The Prospect Ridge magnesite deposits are located within the Arthur Lineament, which is a NNW striking belt of highly deformed metamorphic Pre-Cambrian rocks extending from just north of Granville Harbor on the west coast, to Wynyard on the north coast. The deposits comprise massive Magnesite bodies overlain by up to 20 m of Holocene glacial sediments.
Drill hole Information	<p>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:</p> <ul style="list-style-type: none"> • 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. 	<p>Material drilling information has previously been publicly reported in ASX announcements made by Jindalee Resources Limited in particular " Arthur River Magnesite Deposit JORC (2012) Resource Estimate, dated 9th October 2017" and " Prospect Ridge Exploration Target for Lyons River Deposit, dated 22nd January 2021.</p> <p>Details on the recently completed drilling (AR035 to AR038) is provided in the body of this report.</p>
Data aggregation methods	<p>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.</p> <p>Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure</p>	<p>No upper cuts were applied to the data.</p> <p>No aggregate intercepts are reported.</p>



	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.	Metal equivalents have not been used.
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 (e.g. 'down hole length, true width not known').	The holes have been drilled to intercept the deposits at high angles to best represent the true widths of the mineralisation. Down hole lengths are reported
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.	See body of 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 drill hole results are provided in the body of this announcement. Significant intercepts comprise a minimum down hole intercept of >40%Mgo at least 8 m in length of magnesite. Significant intercepts may include up to four continuous meters of magnesite grading less than 40%.
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	Material information has previously been publicly reported in ASX announcements made by Jindalee Resources Limited in particular "Arthur River Magnesite Deposit JORC (2012) Resource Estimate, dated 9 th October 2017" and "Prospect Ridge Exploration Target for Lyons River Deposit, dated 22 nd January 2021." Results pertaining to the recent drilling (AR035 to Ar038) are provided in the body of this announcement.
Further work	The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive	A comprehensive review of all previous work will be undertaken to determine what future work should be undertaken.

Appendix 2 - Drill hole Assay Results

Hole #	From (m)	To (m)	MgO (%)	SiO2 (%)	Fe2O3 (%)	Al2O3 (%)	CaO (%)	S (%)	LOI1000 (%)	BaO	Cr2O3	K2O	MnO	Na2O	P2O5	SrO	TiO2
AR035	6.30	7.20	45.49	3.28	0.53	0.02	0.56	0.008	49.70	<0.001	<0.001	<0.001	0.048	0.003	<0.001	<0.001	0.011
AR035	7.20	7.80	41.71	9.09	0.63	<0.01	2.37	0.018	45.74	<0.001	<0.001	<0.001	0.051	<0.001	<0.001	0.001	0.014
AR035	7.80	9.30	42.92	2.93	1.00	<0.01	3.54	0.018	49.13	<0.001	<0.001	<0.001	0.09	0.003	<0.001	0.002	0.006
AR035	9.30	10.80	43.25	3.61	3.78	0.02	1.59	0.014	47.75	<0.001	<0.001	<0.001	0.177	0.008	<0.001	<0.001	0.005
AR035	12.30	13.80	43.96	5.30	1.95	0.01	0.35	0.001	48.52	<0.001	<0.001	<0.001	0.103	0.004	<0.001	<0.001	0.002
AR035	13.80	15.30	40.84	10.69	2.71	0.02	0.53	0.004	45.25	<0.001	<0.001	<0.001	0.144	0.003	<0.001	<0.001	0.004
AR035	15.30	16.80	42.25	11.31	1.32	<0.01	0.33	0.002	44.83	<0.001	<0.001	<0.001	0.079	0.004	<0.001	<0.001	0.007
AR035	16.80	18.30	43.72	10.82	1.97	0.02	0.28	0.001	43.42	0.001	<0.001	<0.001	0.121	0.007	<0.001	<0.001	0.004
AR035	18.30	19.80	39.31	13.81	2.93	0.03	0.25	0.002	43.71	<0.001	<0.001	<0.001	0.153	0.01	<0.001	<0.001	<0.001
AR035	19.80	21.60	39.84	13.72	0.69	0.07	0.80	0.002	44.49	<0.001	<0.001	0.011	0.061	<0.001	<0.001	<0.001	0.013
AR035	21.60	23.00	42.74	6.73	1.05	0.03	0.96	0.005	48.04	<0.001	<0.001	<0.001	0.082	0.003	<0.001	<0.001	0.014
AR035	23.00	24.50	42.17	9.44	0.86	<0.01	0.99	0.002	46.71	<0.001	<0.001	<0.001	0.064	<0.001	<0.001	<0.001	<0.001
AR035	24.50	26.00	43.23	7.80	0.24	<0.01	0.90	0.016	47.90	<0.001	<0.001	<0.001	0.024	0.007	<0.001	<0.001	0.007
AR035	26.00	27.50	42.35	9.74	0.40	<0.01	0.82	0.019	46.80	<0.001	<0.001	<0.001	0.028	0.008	<0.001	<0.001	0.002
AR035	27.50	29.10	41.69	12.03	0.64	<0.01	0.44	0.011	45.44	<0.001	<0.001	<0.001	0.033	<0.001	<0.001	<0.001	0.005
AR035	29.10	30.60	43.16	9.63	1.24	<0.01	0.34	0.014	45.87	<0.001	<0.001	<0.001	0.042	0.002	<0.001	<0.001	<0.001
AR035	30.60	33.10	42.31	9.80	1.32	<0.01	0.55	0.004	46.22	<0.001	<0.001	<0.001	0.082	<0.001	<0.001	<0.001	<0.001
AR035	33.10	33.60	42.22	10.11	0.70	<0.01	0.58	0.002	46.54	<0.001	<0.001	<0.001	0.057	0.003	<0.001	<0.001	0.004
AR035	33.60	35.10	42.67	7.05	0.44	<0.01	1.50	0.013	47.92	<0.001	<0.001	<0.001	0.04	0.001	<0.001	<0.001	0.004
AR035	35.10	35.30	41.37	11.87	0.78	<0.01	0.65	0.002	45.54	<0.001	<0.001	<0.001	0.049	0.006	<0.001	<0.001	0.003
AR035	35.30	36.00	24.91	40.98	4.03	0.10	0.71	0.009	28.52	<0.001	<0.001	<0.001	0.355	0.019	0.015	0.003	0.018
AR035	36.00	36.60	39.86	12.49	0.41	<0.01	1.76	<0.001	45.21	<0.001	<0.001	<0.001	0.034	<0.001	<0.001	<0.001	<0.001
AR035	36.60	37.20	40.14	14.05	0.36	<0.01	0.54	<0.001	44.53	<0.001	<0.001	<0.001	0.027	<0.001	<0.001	<0.001	<0.001
AR035	37.20	38.10	41.07	12.05	0.80	<0.01	0.78	0.001	45.52	<0.001	<0.001	<0.001	0.077	0.007	<0.001	<0.001	0.001
AR035	38.10	39.60	37.87	18.93	1.08	<0.01	0.31	0.001	41.39	<0.001	<0.001	<0.001	0.099	0.007	<0.001	<0.001	0.006
AR035	39.60	41.10	42.79	8.37	1.03	<0.01	0.69	<0.001	47.36	<0.001	<0.001	<0.001	0.067	0.005	<0.001	<0.001	0.006
AR035	41.10	42.60	43.35	7.62	0.85	<0.01	0.53	<0.001	47.84	<0.001	<0.001	<0.001	0.057	0.007	<0.001	<0.001	0.009
AR035	42.60	43.90	44.76	4.42	0.75	<0.01	0.80	0.010	49.50	<0.001	<0.001	<0.001	0.053	<0.001	<0.001	<0.001	<0.001
AR035	43.90	44.40	43.70	5.84	1.23	<0.01	0.60	0.000	48.80	<0.001	<0.001	<0.001	0.097	0.006	<0.001	<0.001	0.011
AR035	44.40	47.10	38.94	5.74	2.17	<0.01	5.08	<0.001	47.63	<0.001	<0.001	<0.001	0.13	<0.001	<0.001	0.002	0.003
AR035	47.10	48.30	43.98	5.93	1.31	<0.01	0.42	<0.001	48.58	<0.001	<0.001	<0.001	0.077	0.001	<0.001	<0.001	<0.001
AR035	48.30	49.10	42.99	7.85	1.60	<0.01	0.36	0.000	47.33	0.001	<0.001	<0.001	0.096	<0.001	<0.001	<0.001	0.005
AR035	49.10	50.10	42.95	4.27	4.07	<0.01	0.24	<0.001	48.56	<0.001	<0.001	<0.001	0.175	0.001	<0.001	<0.001	<0.001
AR035	50.10	51.60	44.84	4.10	1.20	<0.01	0.35	<0.001	49.63	<0.001	<0.001	<0.001	0.116	0.005	<0.001	<0.001	<0.001
AR035	51.60	52.00	44.43	3.84	1.36	<0.01	0.45	<0.001	49.61	<0.001	<0.001	<0.001	0.139	<0.001	<0.001	<0.001	0.002
AR035	52.00	53.00	44.95	3.43	0.77	<0.01	0.82	0.001	49.98	<0.001	<0.001	<0.001	0.061	0.004	<0.001	<0.001	0.003
AR035	53.00	54.00	45.77	3.17	0.31	<0.01	0.65	0.000	50.36	<0.001	<0.001	<0.001	0.028	0.001	<0.001	<0.001	0.001
AR035	54.00	55.00	45.93	2.42	0.44	<0.01	0.71	<0.001	50.67	<0.001	<0.001	<0.001	0.038	<0.001	<0.001	<0.001	<0.001
AR035	55.00	56.00	45.74	2.85	0.59	<0.01	0.45	<0.001	50.45	<0.001	<0.001	<0.001	0.054	0.003	<0.001	<0.001	0.005
AR035	56.00	57.00	44.64	6.97	0.61	<0.01	0.36	0.012	47.23	<0.001	<0.001	<0.001	0.056	<0.001	<0.001	<0.001	0.01
AR035	57.00	58.00	39.20	18.20	0.85	<0.01	4.04	0.006	37.90	<0.001	<0.001	<0.001	0.057	0.009	<0.001	0.002	0.004
AR035	58.00	59.00	42.18	6.06	0.93	<0.01	3.86	0.001	46.86	<0.001	0.003	<0.001	0.07	0.009	<0.001	0.001	0.001
AR035	59.00	60.00	39.97	10.09	0.85	<0.01	4.67	0.007	44.59	<0.001	<0.001	<0.001	0.061	<0.001	<0.001	0.002	0.005
AR035	60.00	61.00	45.02	5.89	0.71	<0.01	0.24	0.009	47.71	<0.001	<0.001	<0.001	0.061	<0.001	<0.001	<0.001	<0.001
AR035	61.00	62.00	43.81	7.95	0.53	<0.01	0.33	0.011	47.59	<0.001	<0.001	<0.001	0.044	<0.001	<0.001	<0.001	0.003
AR035	62.00	63.00	42.95	8.71	0.36	<0.01	0.28	0.016	47.37	<0.001	<0.001	<0.001	0.036	<0.001	<0.001	<0.001	0.005
AR035	63.00	64.00	42.95	10.12	0.36	<0.01	0.36	0.022	46.28	<0.001	<0.001	<0.001	0.034	0.008	<0.001	<0.001	<0.001
AR035	64.00	65.00	44.07	7.37	0.50	<0.01	0.30	0.014	47.98	<0.001	<0.001	<0.001	0.045	0.008	<0.001	<0.001	0.002
AR035	65.00	66.00	45.53	2.14	0.85	<0.01	1.09	0.020	50.56	<0.001	<0.001	<0.001	0.086	0.002	<0.001	<0.001	0.004
AR035	66.00	66.60	43.89	5.73	0.36	<0.01	0.72	0.025	48.82	<0.001	<0.001	<0.001	0.043	<0.001	<0.001	<0.001	<0.001
AR035	66.60	67.00	29.87	13.02	18.03	0.55	0.36	0.406	36.96	<0.001	<0.001	0.004	0.438	0.016	0.061	0.003	0.011
AR035	67.00	68.00	44.19	4.21	0.29	<0.01	1.30	0.005	49.59	<0.001	<0.001	<0.001	0.036	<0.001	<0.001	<0.001	0.008
AR035	68.00	69.00	44.97	4.51	0.53	<0.01	0.68	0.003	49.52	0.002	<0.001	<0.001	0.057	0.01	<0.001	<0.001	0.007
AR035	69.00	70.00	45.85	2.99	0.86	<0.01	0.37	0.004	50.17	<0.001	<0.001	<0.001	0.062	0.005	<0.001	<0.001	<0.001
AR035	70.00	71.00	45.47	2.95	1.37	<0.01	0.36	0.003	50.02	<0.001	<0.001	<0.001	0.081	0.006	<0.001	<0.001	0.007
AR035	71.00	72.00	45.38	2.86	1.19	<0.01	0.39	0.004	50.09	<0.001	<0.001	<0.001	0.074	<0.001	<0.001	<0.001	0.003
AR035	72.00	73.00	43.87	4.35	2.84	<0.01	0.35	0.008	48.64	<0.001	<0.001	<0.001	0.154	0.007	<0.001	<0.001	0.007
AR035	73.00	74.00	43.69	5.47	1.36	<0.01	0.34	0.011	48.72	<0.001	<0.001	<0.001	0.094	<0.001	<0.001	<0.001	0.004
AR035	74.00	75.00	44.98	2.94	2.01	<0.01	0.34	0.010	49.82	<0.001	<0.001	<0.001	0.137	0.002	<0.001	<0.001	0.001
AR035	75.00	76.00	42.23	0.90	6.91	<0.01	0.40	0.036	49.23	<0.001	<0.001	<0.001	0.411	<0.001	<0.001	<0.001	0.008
AR035	76.00	77.00	45.30	2.68	1.40	<0.01	0.39	0.008	50.22	<0.001	<0.001	<0.001	0.087	<0.001	<0.001	<0.001	0.009
AR035	77.00	78.00	44.75	3.79	1.69	<0.01	0.34	0.019	49.47	<0.001	<0.001	<0.001	0.112	<0.001	<0.001	<0.001	0.002
AR035	78.00	79.00	45.17	2.70	1.01	<0.01	0.36	0.006	50.34	<0.001	<0.001	<0.001	0.072	<0.001	<0.0		

Hole #	From (m)	To (m)	MgO (%)	SiO2 (%)	Fe2O3 (%)	Al2O3 (%)	CaO (%)	S (%)	LOI1000 (%)	BaO	Cr2O3	K2O	MnO	Na2O	P2O5	SrO	TiO2
AR035	111.00	112.00	45.60	5.01	1.11	<0.01	0.27	0.009	48.15	<0.001	0.003	<0.001	0.108	0.034	<0.001	<0.001	<0.001
AR035	112.00	113.00	45.84	4.20	0.72	<0.01	0.52	0.007	48.89	<0.001	0.003	<0.001	0.097	0.033	<0.001	<0.001	0.002
AR035	113.00	114.00	45.13	5.08	0.66	<0.01	0.62	0.004	48.55	<0.001	0.002	<0.001	0.084	0.028	<0.001	<0.001	<0.001
AR035	114.00	115.00	44.71	9.38	0.45	<0.01	0.56	0.009	45.09	<0.001	0.003	<0.001	0.06	0.029	<0.001	<0.001	<0.001
AR035	115.00	116.00	44.68	8.62	0.56	<0.01	0.55	0.007	45.61	<0.001	0.002	<0.001	0.074	0.025	<0.001	<0.001	<0.001
AR035	116.00	117.00	41.64	6.87	0.77	<0.01	4.64	0.017	46.21	<0.001	0.003	<0.001	0.112	0.023	<0.001	0.001	<0.001
AR035	117.00	118.00	40.25	7.42	0.78	<0.01	5.56	0.021	45.93	<0.001	0.002	<0.001	0.115	0.033	<0.001	0.002	<0.001
AR035	118.00	119.00	43.93	11.01	0.71	<0.01	0.59	0.021	43.85	<0.001	0.003	<0.001	0.102	0.035	<0.001	<0.001	0.004
AR035	119.00	120.00	44.19	8.57	0.58	<0.01	0.67	0.006	46.19	<0.001	0.002	<0.001	0.069	0.025	<0.001	<0.001	<0.001
AR035	120.00	121.00	42.33	16.21	0.99	<0.01	0.33	0.010	40.23	<0.001	0.002	<0.001	0.088	0.022	<0.001	<0.001	<0.001
AR035	121.00	122.00	39.81	16.23	0.99	0.02	2.89	0.016	39.79	<0.001	0.002	<0.001	0.088	0.023	0.001	<0.001	<0.001
AR035	122.00	123.00	40.51	17.99	1.14	0.01	1.22	0.012	39.29	<0.001	0.003	<0.001	0.083	0.035	<0.001	<0.001	<0.001
AR035	123.00	124.00	42.35	8.65	1.97	0.02	1.29	0.024	45.77	<0.001	0.002	<0.001	0.143	0.033	<0.001	<0.001	0.001
AR035	124.00	125.00	41.22	7.29	4.26	<0.01	0.27	0.018	46.88	<0.001	0.003	<0.001	0.277	0.03	<0.001	<0.001	0.001
AR035	125.00	126.00	30.94	33.48	1.33	<0.01	0.11	0.016	34.27	<0.001	0.002	<0.001	0.093	0.023	0.001	<0.001	<0.001
AR035	126.00	127.00	36.49	21.07	1.88	<0.01	0.19	0.019	40.45	<0.001	0.003	<0.001	0.117	0.022	<0.001	<0.001	0.006
AR035	127.00	128.00	35.96	20.75	2.36	<0.01	0.18	0.024	40.82	<0.001	0.002	<0.001	0.155	0.019	<0.001	<0.001	0.006
AR035	128.00	129.00	37.99	16.81	2.05	<0.01	0.12	0.030	43.07	<0.001	0.002	<0.001	0.157	0.021	<0.001	<0.001	0.004
AR035	129.00	130.00	38.25	15.56	3.01	<0.01	0.16	0.020	43.02	<0.001	0.002	<0.001	0.21	0.034	<0.001	<0.001	<0.001
AR035	130.00	131.00	41.32	10.38	2.27	<0.01	0.17	0.011	45.93	<0.001	0.003	<0.001	0.151	0.032	<0.001	<0.001	0.005
AR035	131.00	132.00	43.41	9.05	1.01	<0.01	0.16	0.009	46.54	<0.001	0.003	<0.001	0.091	0.034	<0.001	<0.001	<0.001
AR035	132.00	133.00	44.97	4.83	0.86	<0.01	0.97	0.024	48.49	<0.001	0.002	<0.001	0.082	0.031	<0.001	<0.001	<0.001
AR035	133.00	134.00	43.67	2.43	0.61	<0.01	3.11	0.030	50.29	<0.001	0.003	<0.001	0.071	0.04	<0.001	<0.001	<0.001
AR035	134.00	135.00	39.49	4.80	0.87	<0.01	6.79	0.065	47.47	<0.001	0.003	<0.001	0.083	0.027	<0.001	0.006	0.014
AR035	135.00	136.00	43.22	5.83	1.05	<0.01	2.24	0.016	47.22	<0.001	0.002	<0.001	0.091	0.025	<0.001	0.002	0.01
AR035	136.00	137.00	39.74	8.80	1.18	0.02	5.56	0.255	44.14	<0.001	0.002	<0.001	0.069	0.033	<0.001	0.004	0.006
AR035	137.00	138.00	43.36	8.75	0.93	<0.01	0.34	0.014	46.77	<0.001	0.002	<0.001	0.074	0.026	<0.001	<0.001	<0.001
AR035	138.00	139.00	36.08	22.96	1.10	<0.01	0.24	0.006	39.77	<0.001	0.002	<0.001	0.072	0.025	<0.001	<0.001	0.011
AR035	139.00	140.00	43.27	8.64	0.65	<0.01	0.28	0.016	47.32	<0.001	0.002	<0.001	0.05	0.021	<0.001	<0.001	<0.001
AR035	140.00	141.00	42.38	9.68	0.85	<0.01	0.22	0.011	46.65	<0.001	0.002	<0.001	0.072	0.025	<0.001	<0.001	0.007
AR035	141.00	142.00	41.72	11.56	1.19	<0.01	0.20	0.015	45.46	<0.001	0.002	<0.001	0.089	0.024	<0.001	<0.001	0.01
AR035	142.00	143.00	43.95	2.42	3.92	<0.01	0.23	0.030	49.43	<0.001	0.003	<0.001	0.248	0.025	<0.001	<0.001	0.008
AR035	143.00	144.30	45.70	0.41	2.73	<0.01	0.28	0.034	50.90	<0.001	0.002	<0.001	0.18	0.019	<0.001	<0.001	<0.001
AR035	144.30	145.70	42.59	0.53	6.78	<0.01	0.30	0.066	49.44	<0.001	0.003	<0.001	0.422	0.029	<0.001	<0.001	0.006
AR036	11.30	12.80	43.41	11.38	1.48	<0.01	0.18	0.012	43.60	<0.001	0.003	<0.001	0.149	0.031	<0.001	<0.001	<0.001
AR036	12.80	14.30	41.30	13.13	3.94	0.04	0.14	0.020	41.11	<0.001	0.002	<0.001	0.411	0.029	<0.001	<0.001	0.008
AR036	14.30	15.80	39.47	4.68	8.98	0.08	0.34	0.022	45.76	<0.001	0.003	<0.001	0.781	0.034	0.001	<0.001	0.01
AR036	15.80	17.30	41.01	10.34	2.82	0.02	0.14	0.016	45.54	<0.001	0.003	<0.001	0.314	0.035	<0.001	<0.001	0.001
AR036	17.30	17.60	33.77	24.49	3.69	0.09	0.16	0.088	37.41	<0.001	0.003	<0.001	0.327	0.046	0.004	0.002	0.01
AR036	17.60	18.80	42.76	7.20	2.01	0.01	0.20	0.022	47.79	<0.001	0.003	<0.001	0.209	0.033	<0.001	<0.001	0.005
AR036	18.80	20.30	44.74	5.04	0.85	<0.01	0.28	0.029	49.21	<0.001	0.002	<0.001	0.092	0.029	<0.001	<0.001	<0.001
AR036	20.30	21.00	38.57	5.65	1.46	<0.01	6.11	0.015	47.76	<0.001	0.002	<0.001	0.113	0.029	<0.001	0.002	0.002
AR036	21.00	22.00	44.40	2.03	0.83	<0.01	1.82	0.012	50.53	<0.001	0.002	<0.001	0.074	0.024	<0.001	<0.001	<0.001
AR036	22.00	23.00	39.66	3.61	0.96	<0.01	7.50	0.007	48.46	<0.001	0.003	<0.001	0.08	0.036	<0.001	0.003	0.001
AR036	23.00	24.00	45.62	2.24	0.43	0.10	1.56	0.044	50.09	<0.001	0.002	<0.001	0.053	0.043	<0.001	<0.001	0.014
AR036	24.00	24.80	45.80	1.95	0.75	0.03	1.31	0.020	50.29	<0.001	0.003	<0.001	0.081	0.035	<0.001	<0.001	0.006
AR036	24.80	26.30	42.17	4.05	5.11	0.06	0.58	0.028	47.68	<0.001	0.002	<0.001	0.461	0.039	0.003	<0.001	0.002
AR036	26.30	27.00	41.95	6.11	2.79	0.02	2.48	0.018	46.63	<0.001	0.002	<0.001	0.236	0.028	<0.001	<0.001	<0.001
AR036	27.00	28.00	43.74	8.21	2.33	<0.01	0.50	0.014	45.22	<0.001	0.002	<0.001	0.213	0.029	<0.001	<0.001	<0.001
AR036	28.00	29.00	43.47	9.09	1.77	0.01	1.14	0.010	44.45	<0.001	0.002	<0.001	0.148	0.03	<0.001	<0.001	0.012
AR036	29.00	30.00	42.74	10.72	0.44	0.01	2.64	0.007	43.61	<0.001	0.003	<0.001	0.055	0.036	<0.001	<0.001	<0.001
AR036	30.00	31.00	45.61	2.18	0.71	<0.01	1.62	0.009	50.00	<0.001	0.003	<0.001	0.088	0.039	<0.001	<0.001	0.009
AR036	31.00	32.00	45.26	3.76	0.93	<0.01	1.32	0.006	48.92	<0.001	0.003	<0.001	0.102	0.031	<0.001	<0.001	0.002
AR036	32.00	33.00	42.48	6.92	0.91	<0.01	3.48	0.004	46.33	<0.001	0.002	<0.001	0.108	0.035	<0.001	<0.001	<0.001
AR036	33.00	34.00	45.31	4.63	0.56	<0.01	0.97	0.003	48.43	<0.001	0.002	<0.001	0.063	0.027	<0.001	<0.001	<0.001
AR036	34.00	35.00	45.92	1.25	0.84	0.03	1.02	0.021	50.92	<0.001	0.003	<0.001	0.105	0.03	<0.001	<0.001	0.008
AR036	35.00	36.00	44.99	3.90	1.45	<0.01	0.75	0.011	48.83	<0.001	0.003	<0.001	0.171	0.041	<0.001	<0.001	0.005
AR036	36.00	37.00	44.76	3.08	0.79	<0.01	1.34	0.005	49.75	<0.001	0.002	<0.001	0.07	0.026	<0.001	<0.001	0.023
AR036	37.00	38.00	45.16	3.49	0.73	<0.01	1.21	0.007	49.54	<0.001	0.004	<0.001	0.074	0.034	0.002	<0.001	0.008
AR036	38.00	39.00	45.21	4.58	0.83	<0.01	0.84	0.005	48.70	<0.001	0.002	<0.001	0.076	0.031	<0.001	<0.001	0.005
AR036	39.00	40.00	43.61	2.95	0.75	<0.01	3.04	0.008	49.82	<0.001	0.003	<0.001	0.081	0.041	<0.001	0.002	0.002
AR036	40.00	41.00	44.43	4.48	0.80	<0.01	0.92	0.004	48.96	<0.001	0.002	<0.001	0.057	0.032	<0.001	<0.001	0.002
AR036	41.00	42.00	41.68	2.61	0.83	<0.01	4.76	0.003	49.81	<0.001	0.002	<0.001	0.072	0.024	<0.001	0.002	0.004
AR036	42.00	42.80	43.81	4.63	0.72	<0.01	2.36	0.005	48.65	<0.001	0.003	<0.001	0.0				

Hole #	From (m)	To (m)	MgO (%)	SiO2 (%)	Fe2O3 (%)	Al2O3 (%)	CaO (%)	S (%)	LOI1000 (%)	BaO	Cr2O3	K2O	MnO	Na2O	P2O5	SrO	TiO2
AR036	90.00	91.00	35.29	7.71	1.45	0.03	8.79	<0.001	46.28	<0.001	<0.001	<0.001	0.112	<0.001	<0.001	0.004	0.002
AR036	91.00	92.00	42.40	6.06	0.92	<0.01	1.75	<0.001	48.46	<0.001	<0.001	<0.001	0.071	<0.001	<0.001	<0.001	<0.001
AR036	92.00	93.00	41.55	8.56	1.14	<0.01	2.78	<0.001	46.06	<0.001	<0.001	<0.001	0.105	<0.001	<0.001	<0.001	0.004
AR036	93.00	94.00	39.64	12.39	1.05	<0.01	3.59	<0.001	43.50	<0.001	<0.001	<0.001	0.101	<0.001	<0.001	0.002	0.003
AR036	94.00	95.00	41.17	9.93	0.76	<0.01	2.71	0.001	45.02	<0.001	<0.001	<0.001	0.074	<0.001	<0.001	<0.001	<0.001
AR036	95.00	96.00	43.85	6.33	0.58	<0.01	1.49	0.001	47.41	<0.001	<0.001	<0.001	0.062	<0.001	<0.001	<0.001	<0.001
AR036	96.00	97.00	45.46	3.02	0.49	<0.01	0.81	<0.001	50.37	<0.001	<0.001	<0.001	0.062	<0.001	<0.001	<0.001	<0.001
AR036	97.00	98.00	44.36	5.90	0.34	<0.01	0.87	<0.001	48.70	<0.001	<0.001	<0.001	0.045	<0.001	<0.001	<0.001	<0.001
AR036	98.00	99.00	43.24	4.73	0.32	<0.01	2.13	<0.001	49.27	<0.001	<0.001	<0.001	0.043	<0.001	<0.001	<0.001	<0.001
AR036	99.00	99.80	42.97	6.59	0.45	<0.01	1.84	0.001	48.38	<0.001	<0.001	<0.001	0.058	<0.001	<0.001	<0.001	<0.001
AR037	29.60	32.00	31.55	29.06	1.42	<0.01	1.70	0.012	36.21	<0.001	<0.001	<0.001	0.246	<0.001	<0.001	<0.001	<0.001
AR037	41.00	42.40	17.16	33.58	20.83	0.20	0.71	0.006	26.50	<0.001	<0.001	0.005	1.023	0.021	0.068	0.006	0.027
AR037	42.40	44.00	39.45	8.01	5.27	0.02	1.02	0.002	45.98	<0.001	<0.001	<0.001	0.353	0.009	0.004	<0.001	0.004
AR037	47.80	48.50	20.82	1.54	2.01	<0.01	29.18	0.004	46.48	0.004	<0.001	<0.001	0.143	0.005	<0.001	0.021	0.011
AR037	49.40	50.00	19.36	5.89	1.76	0.02	28.15	0.004	44.28	<0.001	<0.001	<0.001	0.134	<0.001	0.001	0.015	0.007
AR037	50.70	51.50	38.43	5.13	1.19	<0.01	7.44	0.001	48.02	<0.001	<0.001	<0.001	0.086	<0.001	<0.001	0.004	0.005
AR037	52.30	52.90	26.19	6.44	1.06	<0.01	20.94	0.003	45.43	<0.001	<0.001	<0.001	0.089	0.008	0.002	0.014	0.005
AR037	52.90	54.10	40.18	3.80	0.47	<0.01	6.04	0.004	49.11	<0.001	<0.001	<0.001	0.053	<0.001	<0.001	0.002	0.006
AR037	57.30	58.00	35.37	1.99	1.30	<0.01	12.65	0.001	48.80	<0.001	<0.001	<0.001	0.13	0.008	0.002	0.011	0.003
AR037	60.50	62.00	45.65	0.45	1.68	<0.01	1.39	<0.001	51.01	<0.001	<0.001	<0.001	0.116	<0.001	0.001	<0.001	<0.001
AR037	64.70	65.40	40.84	8.38	0.87	<0.01	3.04	<0.001	46.96	0.002	<0.001	<0.001	0.165	0.003	<0.001	<0.001	0.003
AR037	65.40	66.10	41.99	8.82	0.81	<0.01	1.48	<0.001	47.11	<0.001	<0.001	<0.001	0.095	<0.001	<0.001	<0.001	0.002
AR037	76.40	77.00	38.96	16.32	0.95	<0.01	1.24	<0.001	42.72	<0.001	<0.001	<0.001	0.047	0.006	<0.001	<0.001	<0.001
AR037	77.00	79.40	26.19	41.20	2.17	0.04	1.45	0.000	28.97	<0.001	<0.001	0.001	0.069	0.005	0.005	<0.001	0.005
AR037	79.40	80.00	38.40	11.62	1.38	<0.01	3.69	<0.001	45.13	<0.001	<0.001	<0.001	0.083	<0.001	<0.001	0.006	<0.001
AR037	85.75	86.00	37.12	20.76	0.79	<0.01	0.59	0.000	40.99	<0.001	<0.001	<0.001	0.048	<0.001	<0.001	<0.001	<0.001
AR037	88.80	89.00	43.89	4.56	0.89	<0.01	1.47	<0.001	49.34	<0.001	<0.001	<0.001	0.108	0.012	<0.001	<0.001	<0.001
AR037	91.70	92.00	35.20	8.00	14.41	0.06	1.26	0.002	41.12	<0.001	<0.001	<0.001	0.144	0.005	0.028	<0.001	<0.001
AR037	92.70	93.80	44.22	6.60	1.63	<0.01	0.51	<0.001	47.26	<0.001	<0.001	<0.001	0.071	<0.001	<0.001	<0.001	<0.001
AR037	93.80	95.00	43.92	7.55	0.33	<0.01	0.86	<0.001	47.57	<0.001	<0.001	<0.001	0.042	<0.001	<0.001	<0.001	<0.001
AR037	95.00	96.00	42.35	9.56	0.19	<0.01	1.09	0.000	47.05	<0.001	<0.001	<0.001	0.028	<0.001	<0.001	<0.001	<0.001
AR037	96.00	97.35	41.68	10.28	0.47	<0.01	1.35	<0.001	46.48	<0.001	<0.001	<0.001	0.052	<0.001	<0.001	<0.001	<0.001
AR037	97.35	98.00	42.34	8.93	1.53	<0.01	0.53	0.001	46.86	<0.001	<0.001	<0.001	0.071	<0.001	<0.001	<0.001	0.002
AR037	98.30	99.00	42.99	8.24	1.22	<0.01	0.33	0.001	47.44	<0.001	<0.001	<0.001	0.068	<0.001	<0.001	<0.001	<0.001
AR037	99.00	100.00	41.83	8.86	1.34	<0.01	1.26	<0.001	46.87	<0.001	<0.001	<0.001	0.094	<0.001	<0.001	<0.001	<0.001
AR037	100.00	101.30	42.33	8.12	1.08	<0.01	1.83	<0.001	46.60	<0.001	<0.001	<0.001	0.091	<0.001	<0.001	<0.001	<0.001
AR037	104.90	105.40	43.79	6.08	1.76	<0.01	1.68	<0.001	46.82	<0.001	<0.001	<0.001	0.177	<0.001	<0.001	<0.001	<0.001
AR037	105.95	107.00	44.01	6.22	0.99	<0.01	0.45	<0.001	47.89	<0.001	<0.001	<0.001	0.103	<0.001	<0.001	<0.001	<0.001
AR037	107.00	108.00	43.47	5.68	0.39	0.06	1.22	<0.001	48.79	<0.001	<0.001	<0.001	0.043	<0.001	0.008	<0.001	0.004
AR037	108.00	109.00	43.74	5.26	0.52	<0.01	1.09	0.001	49.00	<0.001	<0.001	<0.001	0.051	<0.001	0.002	<0.001	<0.001
AR037	109.30	110.00	43.94	6.06	0.81	0.01	0.45	0.003	48.67	<0.001	<0.001	<0.001	0.075	<0.001	0.004	<0.001	<0.001
AR037	110.00	111.00	45.05	4.40	0.42	<0.01	1.05	0.012	49.26	<0.001	<0.001	<0.001	0.059	<0.001	<0.001	<0.001	<0.001
AR037	111.00	112.00	41.90	4.01	0.53	<0.01	3.99	0.021	49.17	<0.001	<0.001	<0.001	0.06	<0.001	0.002	<0.001	0.005
AR037	112.00	113.00	45.46	3.45	0.27	<0.01	0.65	0.004	49.77	<0.001	<0.001	<0.001	0.039	<0.001	<0.001	<0.001	<0.001
AR037	113.00	114.00	45.11	4.08	0.44	<0.01	0.64	<0.001	49.34	<0.001	<0.001	<0.001	0.052	<0.001	<0.001	<0.001	<0.001
AR037	114.00	115.00	44.11	5.30	0.33	<0.01	0.92	0.002	49.14	<0.001	<0.001	<0.001	0.042	<0.001	<0.001	<0.001	<0.001
AR037	115.00	116.00	42.53	8.26	0.91	0.06	0.59	0.006	47.38	<0.001	<0.001	<0.001	0.084	<0.001	<0.001	<0.001	<0.001
AR037	116.00	117.00	42.88	8.09	0.32	<0.01	0.76	<0.001	47.63	<0.001	<0.001	<0.001	0.035	<0.001	<0.001	<0.001	<0.001
AR037	117.00	118.00	43.22	5.55	0.44	0.01	1.74	0.009	48.74	<0.001	<0.001	<0.001	0.056	<0.001	<0.001	<0.001	<0.001
AR037	118.00	119.00	43.57	6.57	0.39	<0.01	0.84	0.007	48.47	<0.001	<0.001	<0.001	0.047	<0.001	<0.001	<0.001	<0.001
AR037	119.00	120.00	44.89	3.65	0.23	<0.01	0.83	0.003	50.02	<0.001	<0.001	<0.001	0.042	<0.001	<0.001	<0.001	<0.001
AR037	120.00	121.00	45.42	2.48	0.20	<0.01	0.89	0.008	50.62	<0.001	<0.001	<0.001	0.027	<0.001	<0.001	<0.001	<0.001
AR037	121.00	122.00	46.30	2.33	0.15	<0.01	0.58	0.008	50.88	<0.001	<0.001	<0.001	0.02	<0.001	<0.001	<0.001	<0.001
AR037	122.00	123.00	45.41	2.40	0.60	<0.01	0.53	0.015	50.63	<0.001	<0.001	<0.001	0.05	<0.001	<0.001	<0.001	0.002
AR037	123.00	123.50	44.83	2.37	0.61	<0.01	1.98	0.012	50.41	<0.001	<0.001	<0.001	0.053	<0.001	<0.001	<0.001	<0.001
AR038	11.00	12.50	32.23	2.20	19.79	0.03	0.38	0.160	43.96	<0.001	<0.001	<0.001	1.224	<0.001	<0.001	<0.001	<0.001
AR038	12.50	14.00	40.58	1.82	8.27	0.01	0.25	0.062	48.43	<0.001	<0.001	<0.001	0.542	<0.001	<0.001	<0.001	<0.001
AR038	14.00	15.50	41.97	2.88	5.87	<0.01	0.15	0.024	48.42	<0.001	<0.001	<0.001	0.424	<0.001	<0.001	<0.001	0.002
AR038	15.50	17.00	44.14	2.93	3.64	<0.01	0.17	0.022	48.98	<0.001	<0.001	<0.001	0.333	<0.001	<0.001	<0.001	0.002
AR038	17.00	20.00	43.92	6.34	1.56	<0.01	0.12	0.014	48.01	<0.001	<0.001	<0.001	0.163	0.004	0.014	<0.001	<0.001
AR038	20.00	21.50	42.50	6.12	3.14	0.01	0.22	0.017	47.38	<0.001	<0.001	<0.001	0.247	<0.001	<0.001	<0.001	<0.001
AR038	21.50	22.30	31.93	22.15	5.96	0.82	0.16	0.860	37.08	<0.001	<0.001	0.142	0.346	0.019	0.008	<0.001	0.045
AR038	22.30	23.00	41.64	10.46	1.68	0.02											

Hole #	From (m)	To (m)	MgO (%)	SiO2 (%)	Fe2O3 (%)	Al2O3 (%)	CaO (%)	S (%)	LOI1000 (%)	BaO	Cr2O3	K2O	MnO	Na2O	P2O5	SrO	TiO2
AR038	84.00	84.70	45.62	0.29	1.84	0.03	0.19	0.089	51.24	<0.001	<0.001	<0.001	0.193	<0.001	<0.001	<0.001	<0.001
AR038	84.70	86.00	43.43	0.57	4.63	<0.01	0.13	0.035	50.37	<0.001	<0.001	<0.001	0.39	<0.001	<0.001	<0.001	<0.001
AR038	86.00	87.50	44.75	0.61	2.90	<0.01	0.11	0.030	50.92	<0.001	<0.001	<0.001	0.266	<0.001	<0.001	<0.001	<0.001
AR038	87.50	89.00	45.04	0.20	3.59	0.01	0.14	0.034	50.86	<0.001	<0.001	<0.001	0.287	0.004	<0.001	<0.001	<0.001
AR038	89.00	90.50	40.80	0.58	8.84	0.03	0.20	0.061	49.01	<0.001	<0.001	<0.001	0.595	0.014	0.002	0.002	<0.001
AR038	92.00	93.50	36.51	0.51	14.55	0.05	0.29	0.071	47.13	<0.001	<0.001	<0.001	0.877	0.002	0.005	0.001	0.002
AR038	95.00	96.50	39.91	0.68	9.16	0.01	0.18	0.411	48.69	<0.001	<0.001	<0.001	0.534	0.013	0.003	0.001	<0.001
AR038	96.50	98.00	43.25	0.03	6.02	0.01	0.13	0.048	50.20	<0.001	<0.001	<0.001	0.406	0.01	<0.001	<0.001	0.001
AR038	98.00	99.50	43.66	0.07	5.35	<0.01	0.12	0.039	50.41	<0.001	<0.001	<0.001	0.382	0.013	<0.001	<0.001	<0.001
AR038	99.50	101.00	41.14	0.34	8.40	<0.01	0.17	0.120	49.20	<0.001	<0.001	<0.001	0.573	0.01	<0.001	<0.001	<0.001
AR038	104.00	105.50	42.60	0.27	5.83	<0.01	0.13	0.122	50.07	<0.001	<0.001	<0.001	0.408	0.005	<0.001	<0.001	<0.001
AR038	105.50	107.00	43.34	0.79	5.15	<0.01	0.11	0.176	50.05	<0.001	<0.001	<0.001	0.377	0.006	0.003	<0.001	<0.001
AR038	107.00	108.00	42.46	0.57	6.01	0.01	0.13	0.060	49.89	<0.001	<0.001	<0.001	0.418	0.004	<0.001	<0.001	<0.001
AR038	108.00	110.00	41.32	0.12	7.71	<0.01	0.15	0.102	49.52	<0.001	<0.001	<0.001	0.518	<0.001	<0.001	<0.001	0.004
AR038	110.00	111.50	28.61	7.36	5.85	0.18	12.74	0.112	44.18	<0.001	<0.001	<0.001	0.356	0.02	<0.001	0.008	0.009
AR038	111.50	113.00	37.09	5.98	5.99	3.44	2.31	1.665	41.68	<0.001	<0.001	0.044	0.253	0.158	0.058	0.083	0.468
AR038	113.00	114.50	40.26	0.43	3.32	0.02	5.75	0.161	49.76	<0.001	<0.001	<0.001	0.24	0.005	<0.001	0.004	<0.001
AR038	114.50	116.00	42.95	0.35	2.88	0.04	2.97	0.138	50.35	<0.001	<0.001	<0.001	0.218	0.009	<0.001	<0.001	0.003
AR038	116.00	116.30	28.94	14.57	5.91	2.73	7.78	1.780	36.50	<0.001	<0.001	0.106	0.244	0.082	0.072	0.006	0.35