PENINSULA MINES LIMITED
ABN 56 123 102 974

ASX Announcement

31 August 2016

Peninsula Mines Limited (ASX: PSM)

Focused on Exploration in South Korea
- Graphite and Lithium
- Gold, Silver and Base Metals

Substantial Shareholders

Aurora Minerals Limited	32.0%
Management	10.0%
Perth Select	6.1%
M&S Lynch	6.0%

Shares on Issue: 434.5M

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STRONGLY ANOMALOUS LITHIUM RESULTS FROM STREAM SEDIMENT SURVEY ON SOUTH KOREAN PROJECTS

- **Dongsugok Project produces very high stream sediment results of up to 219 ppm lithium from the Tonggo Prospect – up to three times the level obtained from drainages at the Boam Lithium Mine, 3km to the east**
- **The very high lithium results at Tonggo Prospect form a 3km long strongly anomalous trend that is the subject of additional stream sediment, rock chip and soil sampling programmes that are underway**
- **The Daehyeon Project produced high lithium stream sediment results of up to 124ppm lithium which appear to be associated with a north-south corridor of large pegmatites, the subject of follow-up rock chip sampling currently underway**

Peninsula Mines Ltd ("Peninsula" or "the Company") is pleased to announce highly anomalous lithium results from the detailed stream sediment survey completed over its lithium-pegmatite project areas at Daehyeon and Dongsugok in South Korea (see Figure 1 for location).

Stream Sediment Survey Results

A total of 339 stream sediment samples were collected over both the Donsugok and Daehyeon Lithium Projects, and including an orientation survey in the vicinity of the Boam Lithium Mine, during May and June 2016.

The stream sediment survey was designed to follow up on the highly anomalous regional lithium results produced from the country-wide stream sediment sampling survey by the Korea Institute of Geoscience and Mineral Resources ("KIGAM") (see Figure 1)[4], and also indicated by the presence of the Boam Lithium Mine.

The stream sediment samples were analysed for a suite of elements commonly associated with pegmatitic lithium deposits at Intertek laboratory in the Philippines. The results from the vicinity of the Boam Lithium Mine have been used as a baseline reference study to establish levels of anomalism.

The results include highly anomalous lithium results from two key drainages within the sampled areas, namely the Tonggo Lithium Anomaly on the Dongsugok Project, and the Daehyeon Pegmatite Ridge, on the eastern side of the Daehyeon Project.

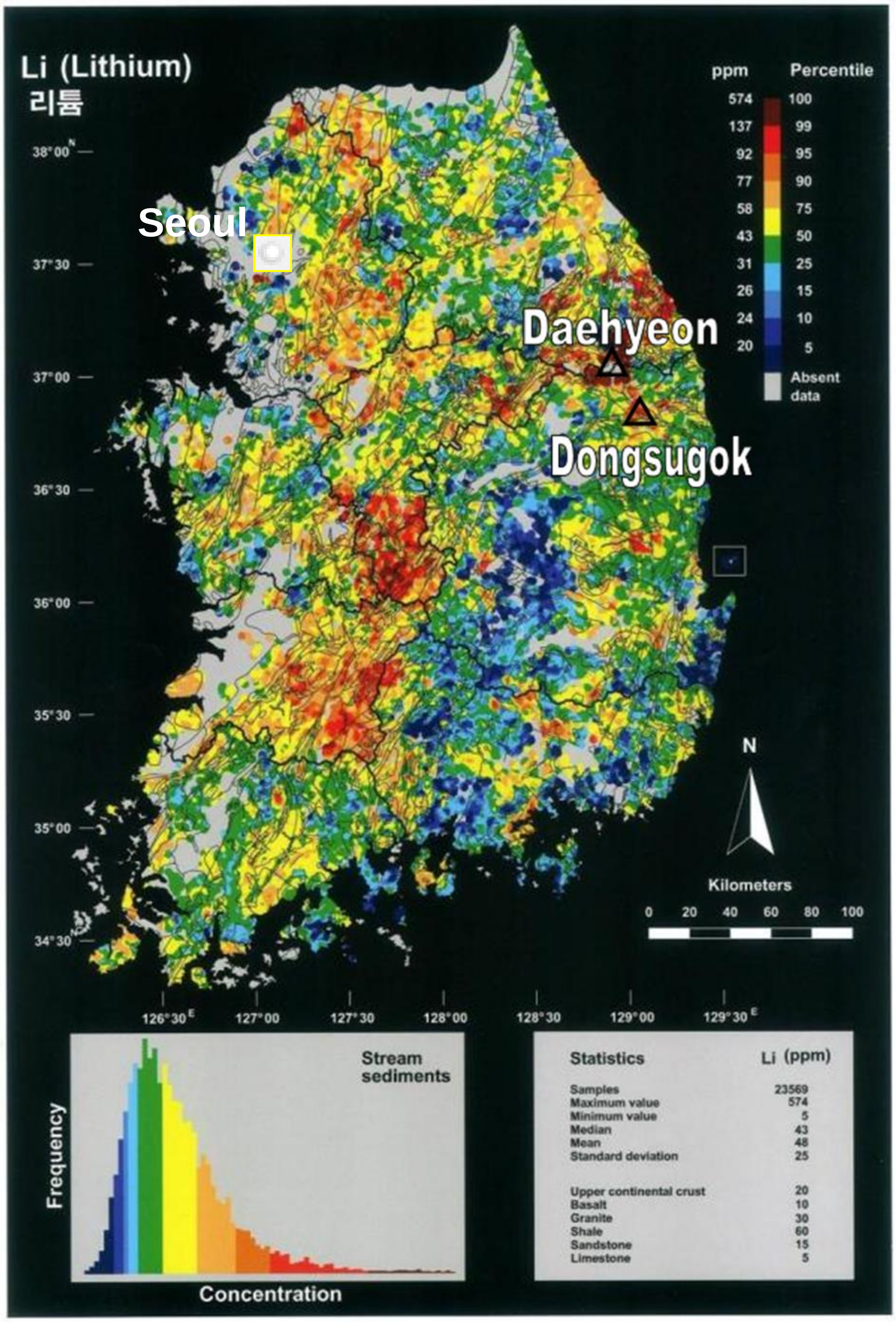

Figure 1: Location plan of South Korean lithium projects on the KIGAM stream sediment data for lithium[4]

Dongsugok Project Stream Sediment Results:

Highly anomalous lithium (Li) results received from the Dongsugok Project, including 219 ppm Li, 180ppm Li, 150ppm Li and 129 ppm Li, form part of a 3km, northeast trending anomalous corridor in the southern part of the Tonggo application area (See Figure 2).

The Tonggo Lithium Anomaly lies approximately 3km west of the Boam Lithium Mine (not an asset of the Company)), where orientation stream sediment sampling (conducted with permission of the Boam mine owner) produced results of up to 64 ppm Li, less than 30% of the levels achieved at the Tonggo Lithium Anomaly.

Further stream sediment sampling is required at Tonggo to infill and narrow down this very strong Li anomaly, to be followed by detailed ridge and spur soil sampling and rock chip sampling of identified pegmatite outcrops if/when located. Geophysics e.g. detailed magnetics, radiometrics and/or resistivity IP may be utilised to locate buried pegmatite(s) for drill targeting.

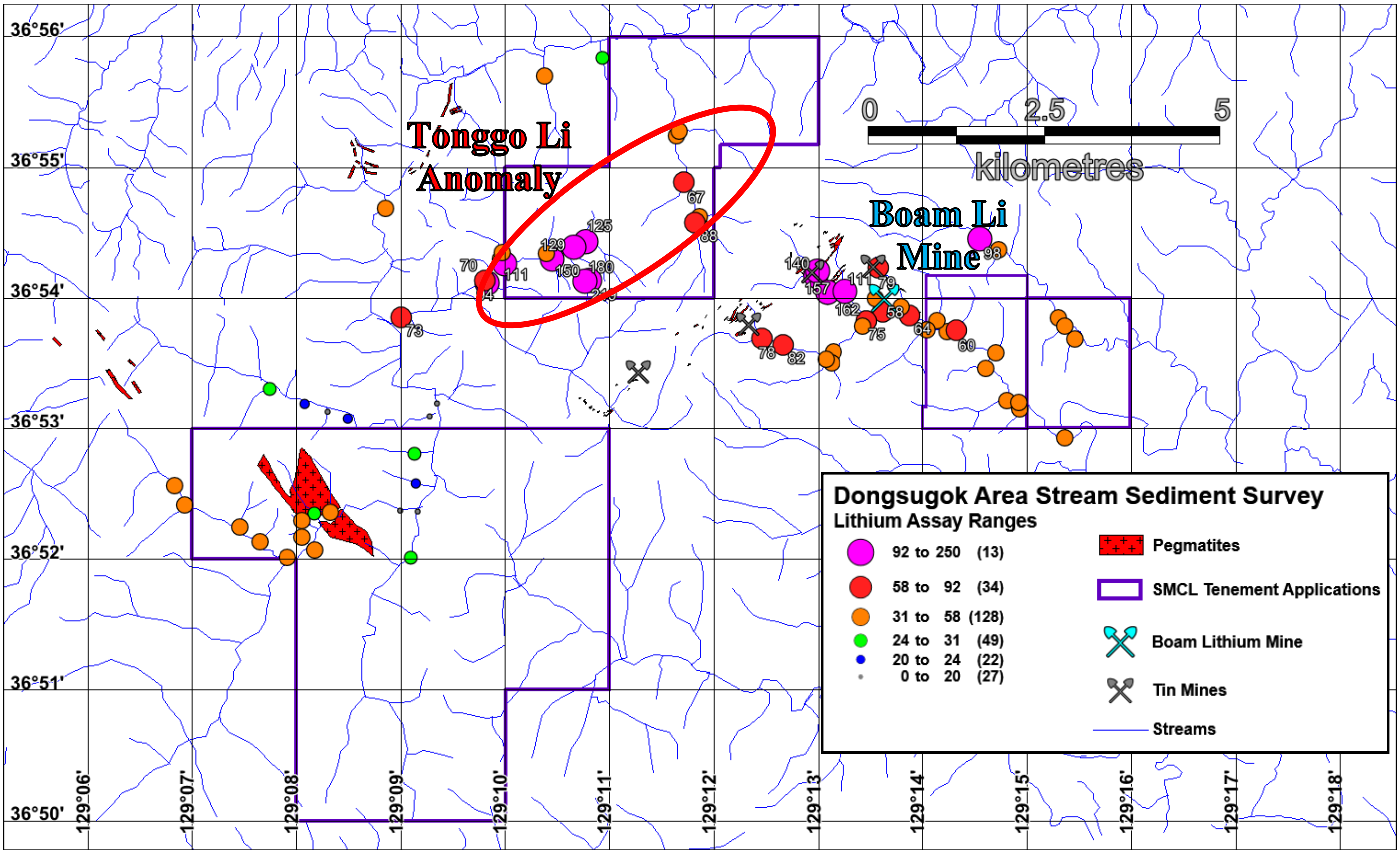

Figure 2: Dongsugok Project tenements and lithium stream sediment sample results

Daehyeon Project Stream Sediment Results:

Highly anomalous lithium results including 124 ppm Li, 91ppm Li and 85 ppm Li were produced in drainages from pegmatites outcropping along a prominent ridge on eastern side of the Daehyeon Project (see Figure 3).

Initial reconnaissance has located large pegmatites along the ridge top at Daehyeon, forming a pegmatite corridor of over 1 – 2 kilometres in strike length and up to 30m to 40m thick and wide. Extensive rockchip sampling is in progress with results to come. Petrography will also be conducted on selected samples to identify lithium bearing minerals.

Peninsula Mines CEO Jon Dugdale commented: *"We are very pleased with the highly anomalous lithium results produced from this initial stream sediment survey on our lithium projects in South Korea."*

"We already know there are lithium bearing pegmatites in the area, and the follow up work has already started with the objective of pinning down the source of these very good lithium results."

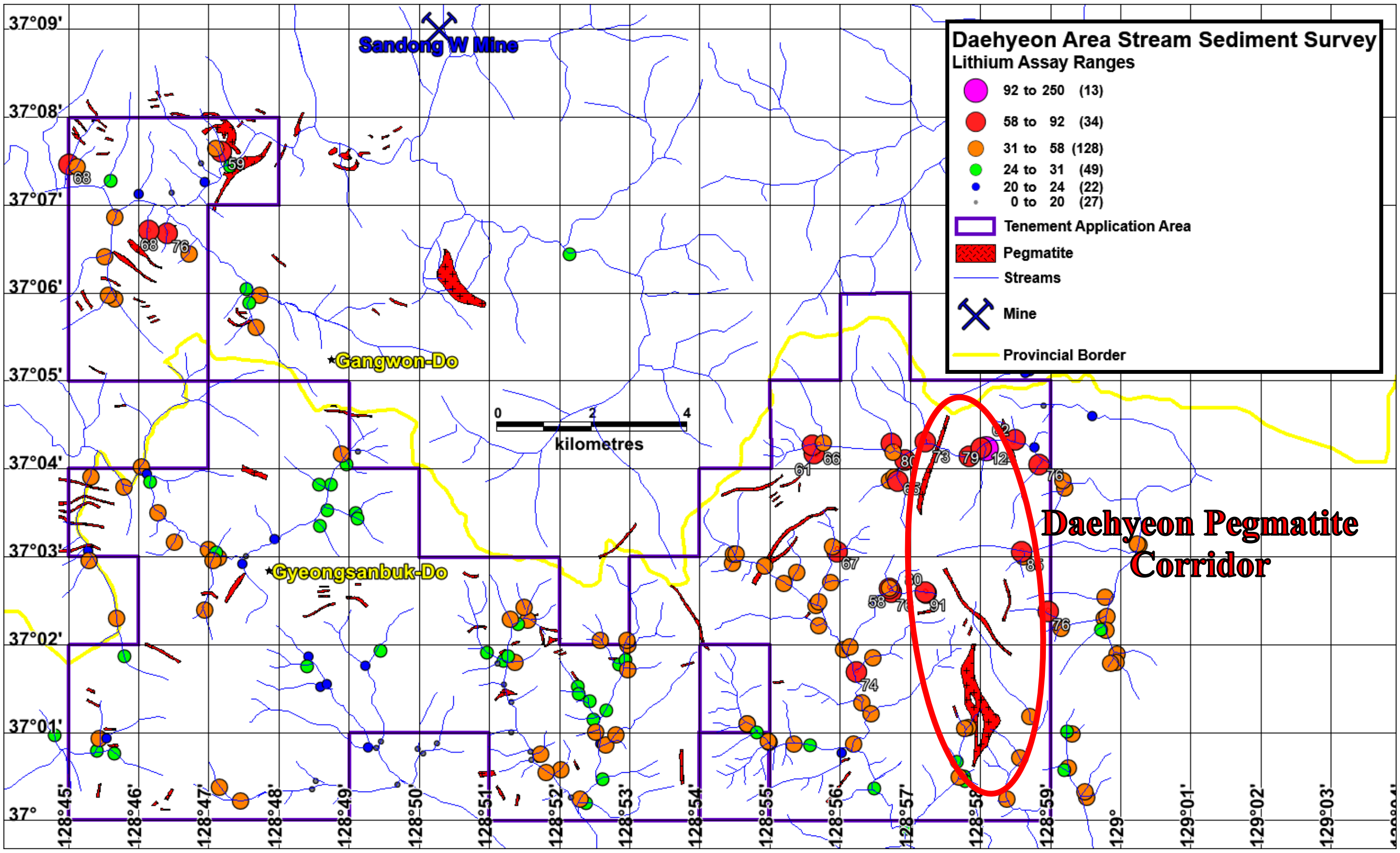

Figure 3: Daehyeon Project tenements and lithium stream sediment sample results

About Peninsula's South Korean Lithium Projects

During early to mid-2016 the Company pegged a total of 76 tenements in the central east of South Korea where significant lithium stream sediment anomalism was reported from the KIGAM country-wide stream sediment geochemical survey (Figure 1)[1]. The tenements are grouped into two main project areas, namely Daehyeon and Dongsugok (Figure 1)[3].

The Daehyeon Project comprises a 61 block tenement package located to the northwest of the Boam Lithium mine and south of the Sangdong Tungsten Mine. The Daehyeon project area contains the highest concentration of lithium anomalism reported from the KIGAM geochemical survey. In addition, KIGAM mapping in the area identified numerous pegmatite outcrops (see Figures 2 - 3).

The Dongsugok Project comprises a 15 block tenement package, centred around and adjacent to the Boam Lithium Mine where breccia and vein style pegmatite related lepidolite-elbaite-spodumene mineralisation occurs within the Janggun Limestone.[3]

Globally, Lithium is principally mined from pegmatites that contain Lithium bearing minerals such as spodumene, lepidolite and petalite.[1] Pegmatites are interpreted to represent the last to crystallise, volatile rich, phases of intrusive granitic bodies that have concentrated rarer chemical elements with ionic sizes too great to fit into crystalline structures of major rock forming minerals, including lithium, tantalum, tin and other associated elements, into dykes and sills distal to the parent intrusive which may lie below the Tonggo – Boam mine area as indicated by magnetic anomalies.[2]

The material and/or releases referenced in this announcement are listed below:

1. Five New Lithium Prospects in South Korea, released 29 Feb2016
2. Lithium Prospect Enhanced by Magnetic High, released 1 Feb 2016
3. Lithium Prospects Acquired, South Korea, released 15 January 2016
4. Lee, P.K., Youm, S.J., Shin, S.C., Park, S. W., Kang, M.J. and Moon, S. W., 2007, Geochemical Atlas of Korea: Series 9. Korea Institute of Geoscience and Mineral Resources, 68p.

Other than the information reported in this release, there have been no material changes to the information contained in the above releases. Full versions of all the company's releases are available for download from the company's website www.peninsulamines.com.au.

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The information in this release that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr Daniel Noonan, a Member of The Australian Institute of Mining and Metallurgy. Mr Noonan is an Executive Director of the Company.

Mr Noonan has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Noonan consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

JORC Code, 2012 Edition: Table 1

Section 1: Sampling Techniques and Data

Criteria	JORC – Code of Explanation	Commentary
Sampling techniques	*Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.*	At the Daehyeon and Dongsugok Projects, 240 individual stream sediment samples were collected and assayed. In addition, a 99 sample orientation survey was undertaken over streams draining the area around the Boam Lithium Mine. The orientation survey focused on assessing 3 sediment size fractions, i.e. <80mesh (-0.18mm B sample), 40 to 80 mesh (0.18 to 0.4 mm) and 0.4mm to 1.6mm (A sample). The results of the Boam orientation survey suggested that the 40 to 80 mesh fraction was the best fraction to assess lithium grades (Appendix 1). During the survey, 2 samples were sieved at each sample site and collected in plastic zip lock bags. The field samples included a <0.4mm and 0.4<1.6mm sample for each site. The samples were then semi-dried at the Company's secure core shed at Sotae-myeon and dispatched to Intertek laboratories in the Philippines when all free water had been driven off. The lab then further dried the samples before sieving the finer -0.4mm fraction to produce a third <0.18mm sample and a mid range 0.18<0.4mm B sample. All 3 samples were then prepped and analysed using an Aqua regia digest to provide a suite of ICP results for each of the 3 samples (Appendix 1). Following the evaluation of the results from the orientation survey, the balance of the <0.4mm samples were dispatched to Intertek for prep and analysis. The additional samples included 240 samples from the Dongsugok and the Daehyeon project areas (Figures 2 & 3 and Appendix 2). Unfortunately, due to a combination of errors, mistakes were made in the sample prep. A typing error by an SMCL staff member meant that the wrong prep code was entered on the submission sheet. The lab then failed to follow the written instructions on the sample submission sheet requesting that each sample be sieved to produce a plus and a minus 0.18mm fraction. As a result, only the first 113 samples were sieved from the batch of 240 samples. The remaining 127 samples were erroneously pulverised without sieving meaning that a -0.4mm fraction (D sample) and a 0.18<0.4mm fraction were subsequently analysed. As a result of this error, a direct statistical comparisons cannot be drawn between all the samples as the assayed size fraction varies across the sampled area. This error has most likely resulted in an undercall of lithium grades in the D sample based on the general differences observed between assays - the generally lower Li assay from the 0.18mm size fraction compared to values for the 0.18<0.4mm size fraction in the original orientation survey.

		The locations of the sample points are shown in the figures 2 and 3. The full list of the assay results are included as Appendix 2.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	The 99 sample orientation survey was used to provide a baseline over a known lithium occurrence and to help assess the most suitable size fraction for analysis. The survey is considered total for lithium but only partial for Sn, W and Mo which are elements known to have dissolution or precipitation issues when dissolved in acids.
	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.	Samples were collected at sites above drainage intersections where sediment was collecting in a natural stream drainage trap. Samples were sieved onsite and 2 size fractions were collected, i.e. <0.4mm and 0.4<1.6mm. After drying in the Company's core cutting shed, samples were dispatched by DHL to Intertek laboratories in the Philippines. Each sample fraction was nominally around 0.5kg wet and 0.35kg when semi-dry. As discussed previously, as part of the orientation survey, the finer fraction was further sieved to provide a <0.18mm fraction, 0.18<0.4mm and 0.4<1.6mm fractions. The orientation survey results indicated that the mid range 0.18<0.4mm fraction was the best fraction to identify anomalous Li values in stream sediments. This formed the baseline for the subsequent assay work on samples from the Company's other project areas.
Drilling techniques	*Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).*	No drilling has been undertaken by the Company and no commentary is being presented here on past drilling results.
Drill sample recovery	*Method of recording and assessing core and chip sample recoveries and results assessed.*	No drilling has been undertaken by the Company and no commentary is being presented here on past drilling results.
	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.	
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.*	No drilling has been undertaken by the Company and no commentary is being presented here on past drilling results.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.	

	The total length and percentage of the relevant intersections logged.	
Sub-sampling techniques and sample preparation	*If core, whether cut or sawn and whether quarter, half or all core taken.*	No drilling has been undertaken by the Company and no commentary is being presented here on past drilling results.
	If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.	All samples were stream sediments sieved at the sample site to provide 2 sample fractions. Subsequent lab based sieving produced 3 sample fractions with the mid fraction (0.18<0.4mm) chosen for analysis. The samples were sieved using industry standard metal sieves. The field sieving was done on wet samples at the creek sample site. The lab sieving was undertaken on oven dried samples.
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	Once the appropriate size fraction was obtained through sieving, the entire fraction was then pulverised with a sub sample and selected for acid digest and analysis. The details of the applicable sample preparation have been discussed in subsequent section on page 15.
	Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	Similar sample sites were chosen from each creek surveyed. Similar sample volumes were collected from each sample site. The main quality control issue was the error made in the entry of the sample prep code in the sample submission sheet and the lab's failure to follow the additional typed instructions regarding sample preparation. As a result, 127 of the <0.4mm fraction samples from the main survey were pulverised without first being sieved. The analysis results of the 127 samples are highlighted in pale blue in Appendix 2 and coded with D suffixes to the sample ID. These cannot be compared absolutely with the results from the orientation survey and the results from the other 113 analyses.
	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.	Samples were collected from two different sites (DS0009 and AS0009) about 140m apart from the same stream. The results from both sites are within 1.5ppm Li of each other. At this point in time, no other duplicate samples have been taken at any of the other sample sites. The coarser and finer fractions from each site have been retained for possible future comparative analysis. The 3 analyses from the orientation survey are also available to the reader as Appendix 1. No sample splits have been analysed other than those routinely analysed by the laboratory as part of their own internal QA/QC process.
	Whether sample sizes are appropriate to the grain size of the material being sampled.	The sample size is considered adequate for a stream sediment survey and the size fraction was selected after analysis of the baseline survey over a known lithium deposit.

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.*	All samples are stream sediment samples collected using a trowel and -1.6mm and -0.4mm sieves and collection dish. The wet field sample was then collected in a pre-labelled zip lock plastic bag. The samples were then transported by Company personnel to the Company's secure core shed and office facility at Sotae-myeon and semi-dried in the core cutting shed (sea container) using an electric blanket and gas heater. Once dry (after 2 to 3 weeks), samples were dispatched to Interek laboratories in the Philippines through DHL global forwarding. The samples were packed in Styrofoam boxes wrapped in cardboard. Samples were then further dried, sieved and prepped at the lab prior to analysis. The samples were logged into the Intertek system upon arrival at the Cupang laboratory. Samples were dried overnight at 60^{o}C. Once dry, in the case of 146 samples, the finer <0.4mm fraction was sieved to produce a <0.18mm and 0.18<0.4mm fraction for analysis with the finer reject fraction retained. The remaining 127 samples were erroneously not sieved despite instructions to the lab to do so. In the case of the orientation survey, 3 fractions were pulverised and prepped for analysis to generate 99 assay results (Appendix 1). 113 of the remaining 240 samples were sieved as requested and the mid range 0.18<0.4mm fraction was pulverised and analysed. The remaining 127 samples were not sieved and the entire sub 0.4mm fraction was pulverised. A 10gm sub sample of the pulverised material from the 339 samples analysed was selected for digest using a Aqua regia dissolution. The final aliquot was then analysed using a mixture of ICP-OES or ICP-MS. Results are summarised in Appendix 1 & 2). The Li analyses can be considered near total but the Sn, W and Mo assays should only be considered partial.
	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 derivations, etc.	No geophysical results are commented upon in this release. The possibility of future geophysical surveys is discussed.
	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.	The Company has not included any blank or CRM samples with these analyses. The Company has relied solely on the standard repeat and CRM protocols undertaken by Intertek on the analyses of these samples. Only one duplicate sample was taken and no repeats other than those involving size fraction analysis as part of the orientation survey have been undertaken at this time.

Verification of sampling and assaying	*The verification of significant intersections by either independent or alternative company personnel.*	The stream sediment survey was undertaken to initially confirm the results of earlier KIGAM work and to further refine the earlier survey work to more fully focus the survey to identify areas for follow-up ground truthing. Various Company personnel have reviewed the results. There are no significant intercepts as the data is simply point data. Only results are being reported and commented upon in this release. None of the results reported or commented upon in this release have been independently checked by non Company personnel. This is not considered material at this early reconnaissance stage of the project's evaluation.
	The use of twinned holes.	No drilling has been undertaken by the Company and no commentary is being presented here on past drilling results.
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	Assay results are stored in an Excel database. All results are checked by the responsible geologist on entry to the database. The Company's data is stored in an excel database and routinely transferred to the Perth Head Office.
	Discuss any adjustment to assay data.	The data presented in the Appendices is raw laboratory data. No adjustments have been made to the data.
Location of data points	*Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.*	No drilling has been undertaken by the Company and no commentary is being presented here on past drilling results. The sample location have been recorded using a hand held Garmin GPS60CSx. The accuracy of this unit at most sample sites was +/- 10m.
	Specification of the grid system used.	All sample sites were surveyed in the UTM WGS84 zone 52N coordinate system or WGS 84 Latitudes and Longitudes.
	Quality and adequacy of topographic control.	The National Geographic Information Institute (NGII) has 1:5,000 scale digital contour data for the entire country.
Data spacing and distribution	*Data spacing for reporting of Exploration Results.*	It is not anticipated that any of these data would be used to compile any form of Mineral Resource and the data are purely acquired as part of the overall reconnaissance evaluation of the project.
	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.	The sampling to date is not intended for the use in any future resource estimation that may be undertaken.
	Whether sample compositing has been applied.	None of the assay results have been composited. All data is point data.

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.*	The survey is a regional based survey aimed at identifying anomalous drainage areas based on the results of an orientation survey conducted over a known lithium occurrence.
	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.	No drilling has been undertaken by the Company and no commentary is being presented here on past drilling results.
Sample security	*The measures taken to ensure sample security.*	All samples were collected into pre-labelled zip lock plastic bags. The specific details of each sample and sample site were recorded into a field traverse sheets and later transferred to an Excel spreadsheet. Samples were packed in styrofoam boxes reinforced by wrapping with cardboard and dispatched by DHL Global Forwarding to Intertek Laboratories in the Philippines after a 2 or 3 week drying process at the Company's secure core yard facility. On arrival in Philippines, samples were held by customs for three to 15 days before release to the laboratory staff. The laboratory conducts its own internal auditing of the sample processing procedures to maintain sample security and minimise the risks of sample contamination or swapping during the analytical process.
Audits or reviews	*The results of any audits or reviews of sampling techniques and data.*	The Intertek laboratory in Cupang has not been audited by Company personnel. This is not considered material at this stage of the project evaluation process. Sampling techniques and practices and assay methodology are periodically reviewed as part of the overall aim for continuous improvement in the Company's sampling protocol.

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

Section 2: Reporting of Exploration Results

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

Criteria	JORC – Code of 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.*	SMCL, a wholly owned subsidiary of Peninsula renewed its applications for exploration rights on the 17 August 2016 over 61 tenements on the Seobyeokri map sheet for Li, Ta, Nb, Y, Be, Ce, La, Mo and W. In addition, Sn exploration rights were granted over 59 tenement blocks (Figures 2 & 3) Further Au, Ag and basemetal rights were also granted over a lesser number of blocks. A full list of tenements was included with the last quarterly report and will be further updated in the Annual Report. The tin exploration rights for blocks 123 and 133 are already held by another party. Together, these two blocks are referred to as the Naedeok prospect. Exploration rights are granted by commodity for tenement blocks defined by the GRS080 grid system over 1x1 minute graticule blocks. In addition, on 17 June 2016 the company refiled applications for the exploration rights for the full range of elements over 13 tenement blocks on the Hyeongdong sheet to the east and west of the Boam lithium mine. The company now has until 13 February 2017 in the case of the Daehyeon project area and 14 December in the case of the Dongsugok Project area to successfully lodge Mineral Deposit Survey reports (MDS) over the 16 applied areas before the Ministry of Trade, Industry and Energy (MOTIE). The Ministry then reviews the MDS and if satisfied, will issue an exploration right.

Criteria	JORC – Code of Explanation	Commentary
	The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	The Company has been granted tenure for 6 months and is required to submit an MDS report for each of the 77 applied tenements prior to the end of the 6 month application period. If the MDS report is accepted by the Ministry, the Company will be granted Mining rights over the applied tenement for a further 3 years. Following the successful filing of the MDS, the applicant is required to file a Prospecting Application (PA).The PA report details the planned exploration activities to be completed over the tenement during the 3 year prospecting period. This includes the completion of a minimum quantum of geophysical surveys, geochemical surveys or drilling as defined under the Mines Act. Provided that at least 50% of the statutory requirement is completed within the initial 3 year prospecting period, the tenement holder is entitled to apply for an additional 3 year extension to facilitate the completion of the specified exploration programme. A Prospecting Report must then be submitted to the Ministry at the completion of the exploration programme. The tenement holder must then submit a Mine Planning Application (MPA) to the local Government Authority who will, if the MPA is approved, grant tenure for mining for a period of 20 years subject to statutory requirements as set out under the terms of the MPA approval. The applicant holding a Mining Right can apply for extensions provided all statutory requirements have been met over the life of the mine.
Exploration done by other parties	*Acknowledgement and appraisal of exploration by other parties.*	The Company has presented and commented upon all past exploration work in the area that the Company is currently aware of. All the exploration work by KIGAM has been undertaken as high level reconnaissance surveys including: airborne geophysics, regional scale stream sediment surveys and large scale regional geological mapping[1,2]. Company is not aware of any detailed exploration having been undertaken in the past on any of the granted tenements. The Company has no records of the past production from any of the historic mines in the district. Data reviews and compilation are ongoing and the Company will also seek to acquire any recent Korea Resources Corporation (KORES) or historic Korea Mineral Promotion Corporation (KMPC) reports on any of the applied tenement blocks.

Criteria	JORC – Code of Explanation	Commentary
Geology	*Deposit type, geological setting and style of mineralisation.*	The geological target is pegmatite hosted lithium mineralisation associated with lithium bearing minerals such as petalite, lepidolite, spodumene, elbaite and amblygonite. Historic mapping by KIGAM has highlighted a broad swarm of pegmatite dykes across the applied tenement area. These dykes intrude Precambrian basement schists of the Goseonri Formation. The Goseonri Formation is a mixed meta-sedimentary sequence of slates, sericite-chlorite-quartz schists, biotite-quartz-andalusite schists and cordierite-mica±sillimanite schists. Locally meta-limestone calc-silicates occur as lenses. Towards the west of the applied area, biotite and quartz feldspar gneisses become more common as the basement sequence becomes more migmatitic while to the southeast, the Goseonri schist sequence is analogous to the Yulri Formation mapped at Boam[3]. The basement schist sequence is intruded by Mesozoic (Cretaceous) granites, quartz feldspar porphyry and pegmatitic and basic dykes. The Hongjesa Granite occurs in the Daehyeon and Uguchi tenement areas and is described as a two mica microcline bearing granite. The Chunyang granite is a two mica granite with local coarse feldspar phenocrysts that occurs along the southern margin of the Uguchi prospect area. The mineralisation at Boam is described as being lepidolite micas associated with quartz veins either within pegmatitic or aplitic dykes or as breccia style mineralisation. Choi et al., 2014 have postulated that the Boam mineralisation is related to a large blind intrusive system.[1] They have described the ore at the Boam mine as greisen style mineralisation associated with a blind intrusive body[1]. Historically, the pegmatites in the district were targeted for tin (Sn) mineralisation. At least 3 small scale underground Sn mines were active in the area. The presence of the Janggun Limestone at Dongsugok and Ubeong projects also opens up the possibility for the identification of skarn style mineralisation [1]. The Company aims to identify the presence of lithium bearing veins and pegmatitic dykes at each of the project areas.
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 (Reduce 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*	The Company is not aware of any historic drilling having been conducted on any of its lithium prospects.

Criteria	JORC – Code of Explanation	Commentary
	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.	No comments are being made on drilling results.
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.*	SMCL has been unable to secure access to the KIGAM raw stream sediment data files. All available KIGAM data considered relevant has been presented in past announcements[1]. The images in this release relate to stream sediment samples collected by Company personnel as part of a follow-up and infill survey over areas highlighted by KIGAM as being anomalous for lithium.
	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 IDW interpolation undertaken by KIGAM and presented in the publically available images is by default smoothed during the interpolation phase[4]. The colour coded zones on the processed image reflect statistically generated zones based on percentile analysis of the primary data. The basis for this interpretation and interpolation appears to be geostatistically sound. The Company has adopted a similar data range for the results presented in this announcement so that the data can be readily compared with the KIGAM country wide data set. The data has not been aggregated.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	No metal equivalent vales have been reported.
Relationship between mineralisation widths and intercept lengths	*These relationships are particularly important in the reporting of Exploration Results.*	The assay results being commented upon are all stream sediment point data assays.
	If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.	No drilling has been undertaken or commented upon in this release.
	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').	No drilling or assaying has been undertaken and no drilling or assay results have been reported or commented upon.
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.*	Figures 1, 2 and 3 illustrate the location of the Company's Daehyeon and Dongsugok lithium project tenements. The tenement locations are displayed along with the stream sediment data points (Figures 2 & 3). Figures 1 shows the KIGAM stream sediment data for Li[4].

Criteria	JORC – Code of Explanation	Commentary
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.*	The full list of lithium assays along with key indicator minerals analysed for as part of the stream sediment survey are included as Appendix 1 & 2. The data points are presented in figures 2 & 3 with the points scaled by value.
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.*	All lithium data considered relevant and material have been included in 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).*	The Company plans to complete tenement scale geological mapping and rock chip sampling across each project. An assessment will then be made as to whether to proceed with further more detailed geophysical surveys or whether to undertake a drilling programme at one or more of the projects.
	Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	The scaled data points by lithium grade are shown in Figures 1 & 2. The areas considered most prospective for lithium mineralisation at Tonggo and Daehyeon are highlighted by red ellipses in each of these figures.

Appendix 1 – Results of Stream Sediment Survey, Dongsugok and Daehyeon Li Projects

Sample ID	Mo	Be	Cs	Ga	K	Li	Mg	Nb	Rb	Sn	Ta	Tl	W
AS0031	0.7	5.29	13.87	4.27	0.364	140.3	0.19	1.97	104.52	10.29	0.01	0.6	2.84
AS0031 B	0.6	3.9	9.35	1.97	0.085	46.3	0.18	0.95	30.63	1.91	<0.01	0.25	2.44
AS0031A	0.5	2.58	12.34	2.8	0.267	118.8	0.07	1.25	86.78	6.77	0.01	0.44	1.76
AS0032	1	4.52	14.04	3.97	0.363	157.2	0.17	1.5	106.58	11.15	0.01	0.58	4.72
AS0032 B	1	5.35	11.48	2.02	0.099	65.7	0.18	1.09	36.77	3	0.01	0.29	5.25
AS0032A	0.7	3.04	15.31	3.12	0.335	149.6	0.09	1.14	109.39	9.28	0.01	0.53	2.11
AS0033	0.8	1.32	5.67	5.47	0.42	25.8	0.67	0.69	43.89	1.15	<0.01	0.22	0.29
AS0033 B	0.7	1.25	5.65	3.84	0.24	22.3	0.64	0.66	30.96	0.94	<0.01	0.17	0.9
AS0033A	0.8	1.27	5.51	5.07	0.387	26.8	0.46	0.66	41.32	0.95	<0.01	0.17	0.45
AS0034	1.1	7.55	17.5	5.95	0.484	162	0.53	1.2	111.02	10.06	<0.01	0.65	4.21
AS0034 B	0.8	7.08	13.66	4.07	0.2	70.5	0.64	0.85	43.96	3.06	<0.01	0.33	2.73
AS0034A	1	3.52	16.34	4.04	0.354	136.8	0.28	0.92	95.83	6.94	0.01	0.48	2.85
AS0035	0.6	2.65	25.23	7.24	0.586	110.5	1	0.78	94.14	5.83	<0.01	0.56	4.52
AS0035 B	0.4	2.57	32.02	7.61	0.62	104.7	1.2	1.38	103.4	3.7	<0.01	0.69	2.55
AS0035A	0.8	2.74	31.01	7.3	0.562	124	0.78	0.67	117.76	5.62	<0.01	0.63	3.83
AS0036	3.1	8.62	11.93	7.39	0.732	79.2	0.78	1.28	111.66	20.8	<0.01	0.66	1.47
AS0036 B	2.9	2.08	12.35	3.83	0.233	56.9	0.73	1.02	55	4.54	<0.01	0.44	0.94
AS0036A	3.5	4.16	13.03	5.34	0.48	73.6	0.6	1.05	91.34	10.64	<0.01	0.55	1.01
AS0037	0.5	1.35	8.38	6.47	0.503	31.4	1.15	1.47	45.96	1.31	<0.01	0.23	0.68
AS0037 B	0.2	0.94	7	5	0.379	22.8	1.08	1.17	36.73	0.79	<0.01	0.17	0.31
AS0037A	0.4	1.34	11.85	7.14	0.563	38.4	0.99	1.76	56.74	1.43	<0.01	0.24	0.44
AS0038	0.7	4.11	14.71	5.8	0.372	74.9	0.91	1.24	66.38	3.68	<0.01	0.35	2.95
AS0038 B	0.4	3.62	16.58	5.07	0.311	44.8	1.02	1.38	48.19	1.42	<0.01	0.25	0.93
AS0038A	0.6	2.94	16.66	5.32	0.406	107.3	0.49	0.95	83.72	5.9	<0.01	0.41	3.14
AS0039	1.4	2.77	13.58	6.73	0.527	56.2	1.14	0.96	72.59	3.75	<0.01	0.45	3.14
AS0039 B	1.1	2.69	15.1	5.82	0.313	49.3	1.2	1.21	50.32	1.67	<0.01	0.36	1.43
AS0039A	1	1.72	12.52	5.3	0.441	50.3	0.62	0.62	62.81	2.71	<0.01	0.35	0.88
AS0040	0.3	1.75	15.54	7.24	0.664	58.1	1.25	1.1	62.83	1.41	<0.01	0.29	0.48
AS0040 B	0.2	1.23	11.35	6.49	0.592	35.5	1.3	0.83	50.88	0.98	<0.01	0.19	0.3
AS0040A	0.3	2.09	23.38	7.09	0.703	76.4	1	1.25	73.08	1.47	<0.01	0.31	0.4
AS0041	0.7	2.11	14.25	8.92	0.863	57.7	1.27	0.24	62.67	2.97	<0.01	0.87	0.54
AS0041 B	0.4	1.27	13.84	6.83	0.615	44.7	1.4	0.63	48.56	1.24	<0.01	0.4	0.43
AS0041A	0.8	1.79	14.43	6.73	0.607	47.4	0.8	0.43	51.91	2.31	<0.01	1.25	7.2
AS0042	1	1.53	6.84	5.31	0.466	32.2	0.7	0.29	53.71	2.06	<0.01	0.38	0.25
AS0042 B	1.1	1.41	7.82	4.26	0.217	31.7	0.74	0.38	30.58	1.09	<0.01	0.28	0.17
AS0042A	0.9	1.35	7.3	5	0.428	29.1	0.46	0.29	53.1	1.92	<0.01	0.33	0.28
DS0034	1.6	1.43	11.15	5.61	0.586	32	0.53	1.1	82.73	1.9	<0.01	0.53	0.86
DS0034 B	1.5	1.19	12.67	3.93	0.232	30.7	0.61	1.03	52.5	0.97	<0.01	0.39	0.42
DS0034A	1.1	1.08	8.47	4.07	0.439	24.8	0.3	0.45	65.45	1.45	<0.01	0.41	0.26
DS0035	1.8	2.31	24.35	8.18	0.637	54.3	1.25	1.12	78.82	2	<0.01	0.56	2.34
DS0035 B	1.9	2.31	28.34	7.29	0.549	57.1	1.35	1.18	76.91	1.5	<0.01	0.53	0.77
DS0035A	1.8	1.92	19.89	8.13	0.696	50.8	1.02	0.22	80.32	1.95	<0.01	0.56	0.63
DS0036	0.5	1.65	20.26	8.54	0.49	59.7	1.62	1.41	59.59	4.94	<0.01	0.31	1.15

Sample ID	Mo	Be	Cs	Ga	K	Li	Mg	Nb	Rb	Sn	Ta	Tl	W
DS0036 B	0.3	1.27	21.53	6.95	0.335	54.5	1.45	1.26	52.2	3.46	<0.01	0.3	1.74
DS0036A	0.3	1.81	18.43	9.29	0.609	66	1.24	0.54	70.48	5.56	<0.01	0.33	0.21
DS0037	0.5	1.66	20.41	9.45	0.672	53.9	1.33	0.98	63.28	2.59	<0.01	0.34	10.66
DS0037 B	0.5	1.32	22.55	7.31	0.476	53.7	1.44	0.95	52.85	1.3	<0.01	0.29	1
DS0037A	0.4	1.39	18.5	8.73	0.628	51.7	1.03	0.37	60.11	2.17	<0.01	0.31	6.21
DS0038	0.9	1.51	8.19	5.23	0.509	33.6	0.48	1.25	74.04	1.62	<0.01	0.48	1.11
DS0038 B	0.8	1.44	8.88	3.98	0.261	35.5	0.53	1.06	52.62	0.99	<0.01	0.37	0.38
DS0038A	0.6	1.12	6.48	4.01	0.38	26.2	0.29	0.75	57.53	0.91	0.01	0.37	0.59
DS0039	1.2	3.29	15.31	7.4	0.515	64.2	1.15	1.5	72.79	3.47	<0.01	0.4	1.71
DS0039 B	1	3.19	15.94	5.82	0.317	46.1	0.98	1.39	48.74	1.53	<0.01	0.3	1.99
DS0039A	1	2.2	13.18	5.9	0.487	57	0.86	1.02	65.98	2.52	<0.01	0.35	1.57
DS0040	0.9	1.76	10.12	6.56	0.461	49	0.53	1.2	62.61	7.53	0.01	0.34	39.27
DS0040 B	0.8	1.76	11.93	4.83	0.272	37.7	0.82	1.33	43.25	1.61	<0.01	0.3	4.56
DS0040A	0.7	1.39	9.19	4.64	0.394	47.5	0.46	0.44	55.15	2.67	<0.01	0.31	4.71
DS0041	0.5	0.77	9.19	6.93	0.51	31.8	0.54	2.08	84.82	2.89	<0.01	0.47	1.06
DS0041 B	0.7	0.87	10.6	6.87	0.444	37	0.63	2.84	86.78	2.76	<0.01	0.5	0.43
DS0041A	0.5	0.67	7.32	6.18	0.455	26.4	0.44	1.01	73.5	2.21	<0.01	0.38	0.48
DS0042	1	1.72	10.76	6.11	0.464	48.2	0.65	0.66	62.68	3.19	<0.01	0.34	2.29
DS0042 B	0.7	1.51	12.35	4.86	0.292	38.5	0.78	1.23	46.36	1.46	<0.01	0.29	3.29
DS0042A	0.7	1.46	9.62	4.92	0.448	47.5	0.53	0.54	60.1	2.47	<0.01	0.31	0.83
DS0043	0.9	1.07	10.56	7.52	0.433	34	0.8	1.48	57.45	2.15	<0.01	0.34	11.07
DS0043 B	0.4	1.13	10.3	6.71	0.301	36.2	0.85	1.49	48.36	1.89	<0.01	0.3	5.19
DS0043A	0.4	0.75	5.96	5.45	0.278	22.7	0.55	0.51	35.32	1.3	<0.01	0.19	1.13
WS0028	1.3	5.55	16.15	5.48	0.325	78.4	0.66	1.7	69.38	5.82	<0.01	0.46	5.1
WS0028 B	1.1	4.26	15.66	4.35	0.186	53.9	0.72	1.27	43.96	2.92	<0.01	0.29	2.63
WS0028A	1	3.03	17.05	5.23	0.393	93.1	0.43	0.98	85.59	6.29	<0.01	0.44	1.8
WS0029	1.6	4.22	16.16	8.75	0.727	81.6	1.21	1.81	103.51	7.19	<0.01	0.62	4.35
WS0029 B	1.3	2.76	15.02	5.09	0.272	53.4	1.1	1.42	51.26	2.38	<0.01	0.35	2.05
WS0029A	1.1	1.94	13.14	5.06	0.446	55.6	0.67	0.67	67.42	3.47	<0.01	0.37	1.46
WS0030	1	1.88	9.47	5.94	0.425	45.8	0.96	1.35	63.59	2.87	<0.01	0.41	1.72
WS0030 B	1	1.76	10.07	4.67	0.225	40.4	0.99	1.34	43.54	1.57	<0.01	0.32	1.77
WS0030A	0.9	1.48	9.89	4.99	0.366	43.4	0.59	0.88	59.41	2.29	<0.01	0.32	0.66
WS0031	1.2	1.74	8.88	11.66	0.81	40.3	1.18	1.23	83.4	3.98	<0.01	0.45	0.28
WS0031 B	0.8	1.31	9.54	6.92	0.225	41.5	1.1	1.61	41.29	1.24	<0.01	0.28	0.49
WS0031A	0.7	1.12	7.83	7.14	0.311	32.7	0.73	0.93	44.83	1.45	<0.01	0.24	0.28
WS0032	1.1	1.46	7.11	5.75	0.491	33.1	0.94	1.18	65.46	2.04	<0.01	0.44	1.75
WS0032 B	0.9	1.34	8.37	4.31	0.246	36.1	1	1.12	47.77	1.2	<0.01	0.36	1.23
WS0032A	0.7	0.96	5.62	3.79	0.314	23.6	0.44	0.47	47.49	1.25	<0.01	0.28	0.35
WS0033	1.4	1.92	18.04	9.71	0.7	56	1.51	1.41	79.06	2.06	<0.01	0.45	0.63
WS0033 B	1	1.59	18.89	8.6	0.576	54.1	1.53	1.69	70.13	1.35	<0.01	0.41	0.57
WS0033A	1.3	2	17.4	9.66	0.685	53.1	1.16	0.59	79.45	1.7	0.01	0.42	0.16
WS0034	0.9	1.88	22.97	9.42	0.712	50.5	1.57	1.73	92.82	1.91	<0.01	0.43	6.02
WS0034 B	0.6	1.65	22.27	7.76	0.566	47.4	1.55	1.46	87.56	1.44	<0.01	0.4	1.72
WS0034A	0.8	1.67	23.07	9.54	0.727	51.8	1.21	0.78	91.6	1.88	<0.01	0.43	2.37

Sample ID	Mo	Be	Cs	Ga	K	Li	Mg	Nb	Rb	Sn	Ta	Tl	W
WS0035	2.5	1.9	14.28	7.35	0.767	48.3	1.15	0.66	72.06	3.65	<0.01	0.76	5.06
WS0035 B	2	1.47	16.04	5.18	0.4	45.4	1.22	1	51.74	1.73	<0.01	0.68	2.56
WS0035A	2.1	1.48	13.28	5.89	0.521	46	0.86	0.33	58.27	2.17	<0.01	0.58	2.38
WS0036	0.6	0.88	27.61	13.16	0.665	70.7	1.79	1.66	46.63	1.63	<0.01	0.31	0.63
WS0036 B	0.4	0.68	28.79	12.23	0.672	72.8	1.85	1.18	46.81	1.09	<0.01	0.26	0.63
WS0036A	0.6	0.98	29.65	15.31	0.809	82.7	1.73	1.14	53.56	1.91	<0.01	0.29	6.21
WS0037	3.5	2.12	13.39	7.6	0.602	46.1	1.28	0.86	65.78	2.89	<0.01	0.56	3.69
WS0037 B	2.3	1.41	13.9	5.38	0.29	40.5	1.08	0.88	47.73	1.49	<0.01	0.47	3.19
WS0037A	3.9	1.59	11.43	6	0.411	36.6	0.87	0.58	52.62	1.81	<0.01	0.49	4.61
WS0038	3.9	2.21	19.14	13.53	0.635	98.1	5.05	0.4	69.6	2.26	<0.01	0.5	0.63
WS0038 B	3.1	1.84	19.29	10.07	0.364	81.1	3.77	0.59	55.31	1.21	<0.01	0.45	0.49
WS0038A	3.3	1.6	16.06	11.51	0.436	87.7	4.09	0.16	53.08	1.43	<0.01	0.4	0.31

The A suffixed sample IDs are the coarse size fraction (0.4<1.6mm), the B suffixed sampleIDs are the fine fraction (<0.18mm). The prime sampleID represents the 0.18<0.4mm size fraction.

Appendix 2

Sample ID	Mo	Be	Cs	Ga	K	Li	Mg	Nb	Rb	Sn	Ta	Tl	W
AS0001	0.6	0.52	3.09	2.08	0.142	17.4	0.15	0.57	21.75	1.66	<0.01	0.13	3.32
AS0002	0.7	0.92	6.52	6.16	0.444	48.9	0.56	0.48	49.99	1.48	<0.01	0.3	1.55
AS0003	0.5	0.96	6.62	5.67	0.344	48.1	0.48	1.18	51.46	1.77	<0.01	0.26	1.48
AS0004	0.5	1.16	4.17	4.61	0.323	39.1	0.41	0.62	42.47	1.04	<0.01	0.24	8.46
AS0005	0.9	1.09	5.51	5.13	0.385	41	0.37	0.46	44.45	1.81	<0.01	0.27	14.36
AS0006	0.6	1.57	16.24	7.66	0.805	60.5	0.76	1.06	92.89	1.51	<0.01	0.45	1.66
AS0007	0.6	1.86	13.94	8.48	0.763	65.7	0.87	1.25	93.38	1.57	<0.01	0.51	2.4
AS0008	0.6	1.32	8.96	7.99	0.573	50.3	0.93	1.4	74.62	1.21	<0.01	0.46	1.87
AS0009	1.3	1.31	10.34	4.85	0.362	55.2	0.39	1.26	48.67	1.31	<0.01	0.36	0.81
AS0010	1.8	1.38	6.67	6.75	0.544	39.9	0.58	0.51	68.81	1.24	<0.01	0.52	0.2
AS0011	1.7	1.35	6.49	7.93	0.562	41.4	0.58	1.15	75.53	1.29	<0.01	0.46	0.29
AS0012	1.6	1.38	6.02	7.53	0.584	37.2	0.65	0.85	70.65	1.25	<0.01	0.49	0.24
AS0013	1.8	1.03	7.49	5.13	0.563	36.9	0.69	0.27	66.21	1.23	<0.01	0.61	0.34
AS0014	1.1	0.76	4.33	4.91	0.311	27.5	0.4	0.72	44.46	1.06	<0.01	0.37	0.4
AS0015	1.4	1.01	5.71	5.55	0.459	34.4	0.55	0.46	56.26	1.3	<0.01	0.39	0.23
AS0016	1.4	1.13	5.59	6.54	0.492	35.8	0.59	0.25	61.66	1.19	<0.01	0.45	0.12
AS0017	1	1.02	8.01	5.98	0.446	35.9	0.54	1.18	65.07	1.18	<0.01	0.39	1.76
AS0018	1.6	1.26	9.02	6.12	0.387	31.6	0.48	0.61	54.55	0.91	<0.01	0.36	0.42
AS0019	2.3	1.21	7.26	5.77	0.385	26.4	0.52	0.71	49.42	0.62	<0.01	0.34	0.56
AS0020	2	1.23	9.71	6.76	0.35	34.1	0.59	1.69	53.52	1.16	<0.01	0.39	0.51
AS0021	1.9	1.3	8.51	6.93	0.561	40.6	0.63	0.84	70.36	1.16	<0.01	0.45	0.98
AS0022	1.4	0.97	6.55	5.4	0.459	30.1	0.49	0.45	55.81	0.89	<0.01	0.36	0.48
AS0023	2.4	1.09	5.71	4.94	0.345	22.4	0.45	0.33	42.12	0.55	<0.01	0.37	1.16
AS0024	1.5	1.07	7.36	4.83	0.47	36.3	0.44	0.34	57.51	0.93	<0.01	0.39	2.73
AS0025	2.3	1.13	6.46	4.94	0.245	25.4	0.33	1.09	38.63	1.04	<0.01	0.39	0.41
AS0026	2	1.41	8.27	5.21	0.333	29.7	0.37	0.66	46.01	0.77	<0.01	0.4	0.29
AS0027	2.2	1.32	9.23	6.19	0.444	37.1	0.43	1.35	57.4	1.3	<0.01	0.46	0.68
AS0028	2	1.18	8.09	5.66	0.393	27.6	0.42	0.61	49.26	0.76	<0.01	0.43	0.22
AS0029	1.5	1.47	9.36	6.07	0.4	41.3	0.4	1.45	66.45	1.77	<0.01	0.4	0.95
AS0030	1.1	1.63	9.21	6.25	0.422	45.8	0.37	1.02	67.92	1.96	<0.01	0.41	0.32
AS0031	0.7	5.29	13.87	4.27	0.364	140.3	0.19	1.97	104.52	10.29	0.01	0.6	2.84
AS0032	1	4.52	14.04	3.97	0.363	157.2	0.17	1.5	106.58	11.15	0.01	0.58	4.72
AS0033	0.8	1.32	5.67	5.47	0.42	25.8	0.67	0.69	43.89	1.15	<0.01	0.22	0.29
AS0034	1.1	7.55	17.5	5.95	0.484	162	0.53	1.2	111.02	10.06	<0.01	0.65	4.21
AS0035	0.6	2.65	25.23	7.24	0.586	110.5	1	0.78	94.14	5.83	<0.01	0.56	4.52
AS0036	3.1	8.62	11.93	7.39	0.732	79.2	0.78	1.28	111.66	20.8	<0.01	0.66	1.47
AS0037	0.5	1.35	8.38	6.47	0.503	31.4	1.15	1.47	45.96	1.31	<0.01	0.23	0.68
AS0038	0.7	4.11	14.71	5.8	0.372	74.9	0.91	1.24	66.38	3.68	<0.01	0.35	2.95
AS0039	1.4	2.77	13.58	6.73	0.527	56.2	1.14	0.96	72.59	3.75	<0.01	0.45	3.14
AS0040	0.3	1.75	15.54	7.24	0.664	58.1	1.25	1.1	62.83	1.41	<0.01	0.29	0.48
AS0041	0.7	2.11	14.25	8.92	0.863	57.7	1.27	0.24	62.67	2.97	<0.01	0.87	0.54
AS0042	1	1.53	6.84	5.31	0.466	32.2	0.7	0.29	53.71	2.06	<0.01	0.38	0.25
AS2001	2	1.28	6.99	6.25	0.354	39.4	0.59	1.09	50.99	1.81	<0.01	0.38	0.38

Sample ID	Mo	Be	Cs	Ga	K	Li	Mg	Nb	Rb	Sn	Ta	Tl	W
AS2002	2.3	1.51	6.98	6.95	0.308	37.8	0.6	0.86	46.59	2.34	<0.01	0.46	0.84
AS2003	0.8	0.83	6.77	5.14	0.256	27.9	0.77	0.7	33.24	1.11	<0.01	0.35	1.22
AS2004	2.2	1.65	8.95	8.12	0.36	49	1.45	1.06	52.95	1.81	<0.01	0.62	0.82
AS2005	1.1	1.39	5.83	6.47	0.225	32.5	1.75	0.66	38.8	1.55	<0.01	0.92	0.96
AS2006	1.5	1.56	25.81	8.28	0.576	56.6	1.72	0.75	83.49	1.07	<0.01	0.77	1.11
AS2007	0.7	1.12	7.81	6.45	0.384	32.9	0.53	1.19	80.16	3.68	<0.01	0.58	6.5
AS2008	0.4	0.83	2.71	3.36	0.133	12.8	0.07	1.69	41.69	0.61	<0.01	0.26	4.38
AS2009	1.8	1.34	7.02	5.71	0.277	24.9	0.46	0.38	32.35	9.77	<0.01	0.35	6.96
AS2010	3.5	1.35	4.64	5.25	0.232	17.4	0.36	0.21	24.98	26.61	<0.01	0.24	47.36
AS2011	1.2	1.88	11.41	3.76	0.297	44.1	0.3	1.07	56.8	2.81	<0.01	0.4	66.21
AS2012	0.8	2.33	12.54	4.77	0.322	66.5	0.49	0.91	66.07	4.57	<0.01	0.44	28.92
AS2013	1.7	4.36	13.76	2.56	0.183	47.5	0.17	1.06	52.04	2.72	0.01	0.41	5.12
AS2014	1.1	1.26	8.87	5.46	0.237	32	0.31	1.48	59.62	2.62	<0.01	0.46	2.88
AS2015	0.7	2.2	20.22	9.48	0.564	110.6	1.14	1.06	99.36	7.98	<0.01	0.71	103.7
AS2016	0.5	1.35	7.59	8.01	0.387	39.8	0.81	0.57	53.18	1.8	<0.01	0.33	0.72
AS2017	0.2	1.1	5.85	7.74	0.335	34.4	0.75	0.35	44.85	1.24	<0.01	0.28	0.19
AS2018	1	1.31	9.4	6.27	0.266	39.5	0.42	1.03	48.34	2.34	<0.01	0.34	1.73
AS2019	1	3.19	25.61	8.7	0.62	124.7	1.04	0.89	116.86	6.78	<0.01	0.81	22.36
AS2020	1	2.91	25.28	9.62	0.645	129	1.1	0.95	122.03	7.22	<0.01	0.85	23.62
AS2021	4.5	1.1	5.61	7.19	0.539	15.7	0.67	1.66	76.37	1.74	<0.01	0.66	9.76
AS2022	3.8	1.19	5.5	7.25	0.548	18	0.69	0.93	85.82	2.87	<0.01	0.95	7.23
AS2023	2.6	0.91	4.3	6.22	0.439	14.5	0.6	0.93	63.26	2.07	<0.01	0.62	6.37
AS2024	0.6	0.86	2.37	6.32	0.241	16.8	0.32	0.52	33.3	1.05	<0.01	0.25	0.09
AS2025	0.9	1.65	4.29	7.87	0.427	38.7	0.69	1.85	63	0.91	<0.01	0.43	0.53
AS2026	0.6	0.99	2.12	7.41	0.221	13.3	0.24	0.71	29.42	1.8	<0.01	0.26	0.07
AS2027	0.6	1.09	3.34	7.4	0.269	23.7	0.42	0.88	47.1	1.4	<0.01	0.35	0.19
AS2028	3.5	1.74	3.23	10.6	0.356	21.9	0.45	2.13	52.41	3.16	<0.01	0.46	0.53
AS2029	3.3	1.37	5.22	8.71	0.359	22.7	0.58	0.95	63.89	1.93	<0.01	0.53	0.37
AS2030	0.8	0.83	5.78	6.19	0.344	30.9	0.55	1.42	54.89	1.08	<0.01	0.32	1.34
AS2031	0.9	0.74	5.58	5.73	0.429	30.5	0.61	0.65	55.12	1.22	<0.01	0.34	0.51
AS2032	0.5	0.9	6.53	6.54	0.387	27.7	0.65	0.85	67.67	0.85	<0.01	0.35	0.77
AS2033	0.8	0.65	4.18	4.34	0.344	21.9	0.49	0.4	43.75	0.72	<0.01	0.27	0.61
AS2034	2.6	1.11	6.35	6.01	0.36	27.4	0.66	0.89	51.83	0.94	<0.01	0.4	0.83
AS2035	1.1	0.89	6.14	6.45	0.473	32	0.71	0.78	61.36	1.01	<0.01	0.39	2.56
AS2036	1.1	1.28	6.02	7.37	0.473	18.5	0.76	0.61	75.68	1.61	<0.01	0.61	0.96
AS2037	0.9	0.99	5.17	6.82	0.41	18.5	0.66	1.16	68.56	1.6	<0.01	0.49	0.39
AS2038	0.9	0.83	4.73	5.49	0.392	18.6	0.54	0.51	58.4	1.23	<0.01	0.44	2.07
AS2039	1.2	1.11	9.73	7.24	0.502	39.4	0.79	0.98	98.44	1.16	<0.01	0.54	0.57
AS2040	0.7	0.82	5.04	5.38	0.34	25.9	0.48	0.84	47.82	0.88	<0.01	0.29	2.33
AS2041	0.7	0.92	6.17	5.4	0.354	25.6	0.53	1.18	54.36	0.95	<0.01	0.3	0.64
AS2042	1.1	1.12	6.53	7.36	0.478	26.1	0.7	1.74	68.08	1.66	<0.01	0.46	0.81
AS2043	0.4	0.34	1.16	2.26	0.114	8.2	0.13	1.31	13.99	1.03	<0.01	0.09	0.75
AS2044	0.7	0.82	4.44	5.44	0.295	23.8	0.45	1.57	43.05	1.95	<0.01	0.25	0.72
AS2045	2.1	0.5	3.77	2.97	0.237	16.6	0.3	0.36	26.11	0.6	<0.01	0.15	0.63

Sample ID	Mo	Be	Cs	Ga	K	Li	Mg	Nb	Rb	Sn	Ta	Tl	W
AS2046	0.5	0.99	8.45	6.75	0.465	37.9	0.78	0.36	60.63	1.6	<0.01	0.35	1.63
AS2047	0.9	0.87	5.21	6.31	0.274	26.1	0.46	0.85	47.34	1.13	<0.01	0.23	0.37
AS2048	0.4	0.81	5.99	5.93	0.339	39.5	0.49	1.39	49.28	1.5	<0.01	0.27	0.94
AS2049	0.7	0.78	3.5	4.36	0.269	23	0.38	0.51	34.54	7.85	<0.01	0.23	11.91
AS2050	0.7	0.85	3.69	5.08	0.301	25.3	0.41	0.73	39.05	1.58	<0.01	0.24	1.58
AS2051	0.4	1.59	3.54	6.25	0.29	38.4	0.4	1.35	48.36	1.32	<0.01	0.28	0.68
AS2052	0.5	1.16	2.55	4.35	0.212	22.7	0.24	1.13	31.64	0.73	<0.01	0.19	1.28
DS0001D	0.6	0.85	4.03	3.14	0.164	23.9	0.15	1.08	27.51	1.52	<0.01	0.2	5.24
DS0002D	1.4	0.86	4.6	3.94	0.256	28.2	0.38	0.79	27.57	1.06	<0.01	0.19	3.79
DS0003D	0.6	0.89	4.84	6.36	0.485	30.1	0.56	0.59	46.59	1.32	<0.01	0.28	2.95
DS0004D	0.5	0.7	3.36	6.45	0.367	30.5	0.53	0.95	46.6	0.94	<0.01	0.23	4.12
DS0005D	1.1	0.8	10.87	5.93	0.392	51.6	0.61	1.09	50.56	1.84	0.04	0.28	4.14
DS0006D	0.7	1.33	13.06	6.42	0.395	76.2	0.58	1.6	56.82	2.54	<0.01	0.36	5.58
DS0007D	0.9	1.36	10.45	6.6	0.318	68.2	0.47	1.46	60.01	2.52	<0.01	0.36	5.9
DS0008D	1.1	0.8	4.36	5.85	0.308	29.1	0.63	1.75	44.64	0.82	<0.01	0.29	4.71
DS0009D	1.4	1.34	11.03	4.78	0.274	56.3	0.35	1.19	37.47	1.02	<0.01	0.33	2.31
DS0010D	1.4	1.88	11.6	3.5	0.246	65.4	0.27	1.05	32.73	0.84	<0.01	0.34	2.88
DS0011D	1.2	2.38	12.15	3.83	0.262	70.2	0.29	0.94	35.48	1.09	<0.01	0.35	4.63
DS0012D	1.1	1.55	15.76	5.45	0.322	72.6	0.61	1.5	50.9	1.19	<0.01	0.4	2.71
DS0013D	1.4	1.41	23.31	4.84	0.308	75.3	0.47	1.47	48.57	0.96	<0.01	0.42	3.86
DS0014D	1.1	2.53	11.98	5.08	0.376	78.6	0.5	1.03	49.04	1.17	<0.01	0.36	6.73
DS0015D	2.3	4.58	17.88	5.67	0.383	123.8	0.54	0.82	52.46	1.44	<0.01	0.49	1.57
DS0016D	1	1.38	11.62	7.05	0.44	80.3	0.74	1.76	59.97	1.24	<0.01	0.39	2.64
DS0017D	0.8	1.24	9.58	6.1	0.457	46.9	0.59	2.48	60.42	1.21	<0.01	0.37	10.47
DS0018D	0.6	0.69	7.92	5.66	0.546	42.4	0.5	1.2	70.98	1.2	<0.01	0.37	3.67
DS0019D	0.6	0.9	10.55	5.39	0.406	54.1	0.44	1.26	63.69	1.06	<0.01	0.29	2.35
DS0020D	1.2	1.15	7.88	5.17	0.306	33.6	0.36	0.98	42.21	1.06	<0.01	0.29	4.6
DS0021D	2.2	1.21	8.03	5.5	0.335	34.5	0.41	1.43	43.53	1.16	<0.01	0.29	4.82
DS0022D	1.5	1.09	8.68	4.71	0.332	40.4	0.4	1.7	42.36	1.19	<0.01	0.29	4.3
DS0023D	1.5	1.03	11.49	5.7	0.32	33.1	0.3	1.08	53.39	0.89	<0.01	0.36	3.63
DS0024D	1.1	1.07	12.23	4.96	0.322	46.7	0.42	1.55	55.96	1.14	<0.01	0.34	2.76
DS0025D	1.5	1.84	18.12	5.57	0.39	67.2	0.39	1.04	58.51	1.64	<0.01	0.48	1.65
DS0026D	2.8	1.84	10.74	6.2	0.507	50	0.48	1.26	62.82	1.27	<0.01	0.48	3.76
DS0027D	2	1.31	14.38	5.13	0.273	74.4	0.36	1.11	45.81	1.59	<0.01	0.34	2.3
DS0028D	2.1	2.2	17.25	8.13	0.576	79.5	0.63	2.95	78.71	1.89	<0.01	0.52	1.77
DS0029D	2.5	2.63	12.51	5.69	0.425	91.2	0.59	1.21	52.18	1.09	<0.01	0.47	2
DS0030D	2.2	2.33	14.46	6.66	0.52	76.3	0.54	1.47	68.18	1.54	<0.01	0.46	2.87
DS0031D	2	1.89	9.91	4.39	0.344	58.2	0.32	0.76	43.4	1.23	<0.01	0.33	3.99
DS0032D	1.8	1.66	13.03	5.57	0.417	45.6	0.39	1.56	57.31	1.3	<0.01	0.42	4.43
DS0033D	2.5	1.47	8.7	5.23	0.454	41	0.41	0.97	55.7	1.06	<0.01	0.41	2.45
DS0034	1.6	1.43	11.15	5.61	0.586	32	0.53	1.1	82.73	1.9	<0.01	0.53	0.86
DS0035	1.8	2.31	24.35	8.18	0.637	54.3	1.25	1.12	78.82	2	<0.01	0.56	2.34
DS0036	0.5	1.65	20.26	8.54	0.49	59.7	1.62	1.41	59.59	4.94	<0.01	0.31	1.15
DS0037	0.5	1.66	20.41	9.45	0.672	53.9	1.33	0.98	63.28	2.59	<0.01	0.34	10.66

Sample ID	Mo	Be	Cs	Ga	K	Li	Mg	Nb	Rb	Sn	Ta	Tl	W
DS0038	0.9	1.51	8.19	5.23	0.509	33.6	0.48	1.25	74.04	1.62	<0.01	0.48	1.11
DS0039	1.2	3.29	15.31	7.4	0.515	64.2	1.15	1.5	72.79	3.47	<0.01	0.4	1.71
DS0040	0.9	1.76	10.12	6.56	0.461	49	0.53	1.2	62.61	7.53	0.01	0.34	39.27
DS0041	0.5	0.77	9.19	6.93	0.51	31.8	0.54	2.08	84.82	2.89	<0.01	0.47	1.06
DS0042	1	1.72	10.76	6.11	0.464	48.2	0.65	0.66	62.68	3.19	<0.01	0.34	2.29
DS0043	0.9	1.07	10.56	7.52	0.433	34	0.8	1.48	57.45	2.15	<0.01	0.34	11.07
HS1001	2.3	1.47	7	6.77	0.341	45.2	0.64	0.97	48.57	2.39	<0.01	0.39	1.18
HS1002	2.6	1.64	7.62	8.43	0.436	46.6	0.95	1.04	58.93	2.06	<0.01	0.64	1.76
HS1003	1.9	1.11	5.41	4.85	0.226	31.8	0.47	0.63	35.73	1.25	<0.01	0.34	1.2
HS1004	0.6	1.09	3.8	4.36	0.168	23.5	0.1	1.33	52.68	1.16	<0.01	0.32	2.09
HS1005	0.4	0.82	3.02	3.41	0.151	14.4	0.09	1.06	37.11	0.77	<0.01	0.23	8.59
HS1006	0.5	0.8	4.39	4.51	0.22	22.7	0.35	0.7	43.91	2.2	<0.01	0.42	1.29
HS1007	0.5	0.98	4.82	5.28	0.217	27.9	0.34	1.41	59.79	1.72	<0.01	0.39	0.88
HS1008	0.6	0.64	2.08	2.34	0.129	10.5	0.11	0.84	25.35	0.77	<0.01	0.18	5.67
HS1009	0.7	0.77	2.99	3.25	0.164	17.1	0.16	1.08	30.35	2.38	<0.01	0.21	33.3
HS1010	0.5	1.17	4.07	4.43	0.219	28.7	0.1	1.13	62.36	1.43	<0.01	0.4	7
HS1011	0.7	1.17	3.51	4.58	0.14	23	0.1	1.02	45.26	0.95	<0.01	0.29	3.39
HS1012	1	1.87	8.53	4.42	0.396	33.3	0.45	0.8	59.87	2.42	<0.01	0.49	3.02
HS1013	1.7	2.94	12.9	3.42	0.321	47.1	0.18	0.56	62.98	2.8	<0.01	0.49	7.73
HS1014	2.5	4.43	21.48	5.72	0.384	87.5	0.55	1.07	69.21	4.26	<0.01	0.56	42.95
HS1015	0.4	2.41	27.24	11.82	0.549	149.6	2.08	0.35	92.61	8.23	<0.01	0.66	28.07
HS1016	0.8	1.93	16.55	8.63	0.401	93.9	0.97	0.81	73.19	5.92	<0.01	0.47	13.55
HS1017	0.6	1.51	13.15	6.73	0.374	70.2	0.83	0.58	63.9	4.25	<0.01	0.46	50.5
HS1018	0.6	5.95	51.27	7.51	0.719	218.7	1.58	1.01	195.97	17.1	0.01	1.29	154.75
HS1019	1.4	4.49	41.23	8.31	0.624	180.1	1.42	1.38	133.96	11.12	<0.01	0.96	43.62
HS1020	1.2	1.66	9.69	5.29	0.36	28.3	0.47	0.52	49.08	1.48	<0.01	0.47	14.97
HS1021	0.5	1.31	12.45	9.29	0.541	43.2	1.08	1.26	84.46	5.16	<0.01	0.66	9.56
HS1022	0.4	0.91	6.59	8.24	0.462	37.8	0.8	2.09	72.48	1.25	<0.01	0.48	3.22
HS1023	1	1.85	17.15	5.86	0.324	73.2	0.53	1.19	64.48	4.16	<0.01	0.46	26.99
HS1024	0.7	1.53	3.4	5.77	0.327	29.5	0.47	2.59	48.61	0.76	<0.01	0.27	0.67
HS1025	0.5	1.44	3.6	6.56	0.367	32.3	0.53	2.37	57.81	0.57	<0.01	0.3	0.27
HS1026	0.6	1.19	2.71	4.14	0.222	20.7	0.3	1.46	35.59	0.46	<0.01	0.19	0.52
HS1027	0.5	1.35	2.69	5.43	0.319	28.1	0.49	1.37	46	0.47	<0.01	0.25	0.36
HS1028	0.3	2.71	7.7	11.98	0.921	45.2	0.85	0.56	133.27	0.89	<0.01	0.78	0.06
HS1029	0.4	0.74	1.58	4.2	0.191	13.9	0.27	0.57	23.68	2.08	<0.01	0.17	0.43
HS1030	1	0.93	3.53	6.59	0.331	18.7	0.46	0.97	47.04	1.44	<0.01	0.37	5.04
HS1031	0.6	0.69	2.23	4.35	0.207	15.3	0.35	1.25	31.62	1.27	<0.01	0.21	0.67
HS1032	6.2	1.38	3.81	7.82	0.339	20.7	0.5	1.31	56.61	1.83	<0.01	0.47	1.03
HS1033	13.3	1.78	5.33	9.45	0.513	27.6	0.74	2.78	91.22	2.45	<0.01	0.82	6.34
HS1034	0.9	0.7	5.25	4.34	0.316	28	0.4	1.13	43.25	1	<0.01	0.25	0.71
HS1035	0.7	0.78	7.68	6.32	0.457	37.6	0.58	1.78	66.82	1.46	<0.01	0.35	0.91
HS1036	1.1	0.75	4.68	5.59	0.39	26.7	0.63	0.55	58.16	0.7	<0.01	0.33	0.89
HS1037	0.8	0.73	4.18	5.37	0.333	24.6	0.54	1.23	50.5	0.66	<0.01	0.29	1.2
HS1038	0.8	0.73	5.25	6.26	0.376	28.4	0.69	1.41	63.82	0.78	<0.01	0.34	0.37

Sample ID	Mo	Be	Cs	Ga	K	Li	Mg	Nb	Rb	Sn	Ta	Tl	W
HS1039	2.2	1.13	5.88	6.6	0.445	35.4	0.84	1.03	54.72	0.87	<0.01	0.42	0.74
HS1040	1.7	0.99	6.37	5.75	0.337	28.3	0.64	1.47	58.22	0.67	<0.01	0.4	9.59
HS1041D	0.9	0.79	3.95	5.23	0.365	18.2	0.52	0.98	50.21	1.26	0.01	0.38	65.41
HS1042D	0.8	1.18	6.67	7.97	0.502	33.8	0.77	0.87	80.23	1.09	<0.01	0.47	3.15
HS1043D	1.5	1.28	5.84	6.94	0.451	17.2	0.69	1.39	88.01	1.59	0.01	0.69	18.4
HS1044D	1.1	0.99	5.5	6.83	0.448	18.1	0.59	1.56	77.37	1.78	<0.01	0.59	4.97
HS1045D	1	1.22	5.86	7.72	0.563	13.9	0.72	2.39	95.6	2.9	0.01	0.79	31.03
HS1046D	1.1	0.87	5.61	5.18	0.338	29.3	0.52	1.43	49.03	1	<0.01	0.29	5.92
HS1047D	0.8	0.9	6.41	6.01	0.374	36.4	0.6	1.59	66.38	0.99	<0.01	0.32	15.11
HS1048D	2.3	1.12	3.5	5.35	0.283	21.9	0.38	1.6	35.84	1.53	<0.01	0.26	7.32
HS1049D	0.7	0.98	5.43	5.7	0.427	26.5	0.63	2.02	54.27	3.04	0.01	0.28	26.87
HS1050D	3	0.82	5.02	4.31	0.348	25.3	0.5	0.94	34.9	2.42	<0.01	0.21	4.64
HS1051D	0.5	0.92	4.49	6.86	0.449	30.5	0.78	0.89	50.19	1.16	<0.01	0.28	17.17
HS1052D	1	0.87	4.46	6.28	0.399	27.1	0.62	1.67	48.41	2.23	<0.01	0.27	5.03
HS1053D	0.6	1.34	2.96	5.05	0.329	31.1	0.33	1.38	38.69	0.95	<0.01	0.24	26.03
HS1054D	0.8	1.64	4.21	7	0.347	37.5	0.55	1.23	48.41	1.07	<0.01	0.3	2.03
HS1055D	0.7	1.18	4.34	6.75	0.34	34.5	0.49	1.34	51.57	0.99	<0.01	0.28	9.73
HS1056D	0.6	1.31	4.99	7.1	0.437	37.5	0.69	1.58	55.27	3.04	<0.01	0.38	1.94
HS1057D	0.7	0.85	5.29	5.33	0.391	25.6	0.55	1.26	49.63	0.91	<0.01	0.31	12.96
HS1058D	0.8	0.88	4.56	4.91	0.337	21.3	0.51	0.91	43.22	1.01	<0.01	0.31	16.58
HS1059D	0.9	1.5	3.38	7.66	0.478	30.7	0.59	2.14	64.35	0.53	<0.01	0.41	5.72
HS1060D	0.7	1.48	2.76	4.68	0.266	26	0.26	1.35	33.1	0.66	<0.01	0.2	4.41
HS1061D	0.7	1.64	4.02	5.93	0.318	35.7	0.39	2	47.13	0.75	0.01	0.26	14.81
HS1062D	1.1	1.24	5.39	6.78	0.425	36	0.66	1.09	52.37	3.78	<0.01	0.32	2.68
HS1063D	1.6	0.97	4.92	5.64	0.371	27.1	0.56	1.47	42.53	2.97	<0.01	0.27	14.96
HS1064D	0.7	1.55	5.81	8.06	0.477	42.8	0.78	1.9	60.91	4.39	<0.01	0.38	2.17
HS1065D	0.7	1.53	4.78	7.56	0.376	39.6	0.54	1.14	51.99	1.91	<0.01	0.29	16.52
HS1066D	1.2	0.87	4.46	5.8	0.394	25.2	0.58	1.8	45.1	0.88	<0.01	0.28	3.57
HS1067D	0.7	0.9	5.22	6.43	0.417	28.4	0.65	1.5	54.57	0.95	<0.01	0.27	5.5
HS1068D	0.6	1.34	3.55	4.3	0.248	34.8	0.38	1.17	38.04	1.3	<0.01	0.2	3.12
HS1069D	0.7	1.01	6.58	5.38	0.347	36	0.59	1.31	52.68	0.91	<0.01	0.3	5.43
HS1070D	0.8	0.86	7.6	6.03	0.456	36.5	0.63	1.46	59.67	1.03	<0.01	0.32	3.22
HS1071D	1	1.3	5.83	7.89	0.477	17.6	0.72	1.72	69.55	2.5	<0.01	0.7	8.32
HS1072D	1.5	1.77	13.83	10.58	1.025	51	1.43	1.27	153.14	1.34	<0.01	1.02	14.2
HS1073D	1.2	1.28	6.11	6.29	0.373	35.2	0.71	0.57	65.33	0.78	<0.01	0.37	2.62
HS1074D	1.5	1.17	6.32	8.01	0.467	32.2	0.99	0.54	50.41	0.98	<0.01	0.38	1.02
HS1075D	1	1.16	6.22	6.66	0.464	33.2	0.73	0.95	74.47	0.83	<0.01	0.4	1.62
HS1076D	0.6	0.62	3.71	3.34	0.227	17.4	0.27	0.54	35.8	0.63	<0.01	0.2	3.7
HS1077D	1.1	0.91	5.33	5.81	0.337	31	0.48	0.98	52.17	0.88	<0.01	0.3	4.35
HS1078D	0.8	0.86	7.03	5.05	0.406	40.8	0.47	0.66	52.44	1.37	<0.01	0.3	1.05
HS1079D	1.2	0.84	5.92	5.32	0.418	33.2	0.45	0.88	50.24	1.09	<0.01	0.26	1.29
HS1080D	1.1	1.18	5.34	4.11	0.222	40.5	0.18	1.33	40.6	1.43	<0.01	0.36	0.62
HS1081D	1.8	0.96	6.61	6.83	0.603	46.8	0.59	0.57	79.33	2.05	<0.01	0.62	0.28
HS1082D	1.6	1.32	5.33	6.24	0.411	40.4	0.66	1.04	54.35	1.07	<0.01	0.45	0.16

Sample ID	Mo	Be	Cs	Ga	K	Li	Mg	Nb	Rb	Sn	Ta	Tl	W
HS1083D	1.7	1.29	6.76	6.04	0.461	45.5	0.54	0.34	66.68	1.67	<0.01	0.46	0.22
HS1084D	1	0.86	3.86	4.31	0.263	24.4	0.24	1.04	42.26	0.84	<0.01	0.31	0.12
HS1085D	1.7	1.19	5.75	6.07	0.45	33.8	0.45	0.6	58.51	1.13	<0.01	0.46	0.41
HS1086D	2.2	1.25	5.92	6.8	0.524	39.6	0.52	0.96	68.05	2.05	<0.01	0.51	0.2
HS1087D	1.6	1.13	4.67	5.78	0.412	29.6	0.41	0.88	52.42	1.05	<0.01	0.42	0.15
HS1088D	1.8	1.38	2.93	5.59	0.364	23.6	0.39	0.36	29.38	1.49	<0.01	0.27	1.35
HS1089D	1.7	0.95	2.15	4.89	0.266	20.5	0.29	0.29	22.81	1.66	<0.01	0.19	0.21
HS1090D	1.1	1.19	3.21	4.3	0.235	21	0.3	0.58	25.82	0.73	<0.01	0.24	0.39
HS1091D	2.8	1.79	9.16	8.44	0.656	51.7	0.69	1.47	74.31	1.19	<0.01	0.56	0.41
HS1092D	1.9	1.94	1.95	5.4	0.31	18.2	0.22	0.4	23.89	1.32	<0.01	0.52	0.62
HS1093D	1.6	1.74	2.62	6.89	0.321	23.4	0.4	0.57	26.7	1.22	<0.01	0.4	0.43
HS1094D	0.8	0.59	3.88	3.37	0.295	27.4	0.25	0.39	31.99	1.16	<0.01	0.19	1.12
HS1095D	1.7	0.62	4.12	3.11	0.289	22.9	0.13	0.59	34.47	3.13	<0.01	0.2	25.35
HS1096D	1.4	0.97	2.29	3.02	0.19	13.7	0.13	0.62	24.45	1.64	<0.01	0.17	20.58
HS1097D	0.7	1.04	5.73	7.75	0.594	36.5	0.7	0.49	55.48	1.43	<0.01	0.35	0.95
HS1098D	1.3	0.87	5.78	7.19	0.568	35	0.69	1.14	58.77	2.1	<0.01	0.34	1.97
WS0001D	0.9	1.18	12.87	5.56	0.431	59.4	0.64	0.98	62.65	2.35	<0.01	0.38	7.8
WS0002D	1.5	1.22	10.13	6.26	0.383	42.4	0.53	1.32	51.37	2.31	<0.01	0.35	3.95
WS0003D	1.2	1.3	8.05	7.44	0.497	68.4	0.64	1.71	70.16	2.44	<0.01	0.37	2.04
WS0004D	0.6	0.85	5.77	5.53	0.398	44.4	0.46	0.84	50.21	1.16	<0.01	0.3	1.84
WS0005D	2.5	1.65	7.55	9.77	0.572	47.5	0.32	2.07	73.42	2.09	<0.01	0.5	1.29
WS0006D	1.5	1.45	9.88	3.88	0.286	53	0.35	0.94	35.89	2.09	<0.01	0.25	0.89
WS0007D	1.7	1.41	12.03	5.37	0.318	75.8	0.45	1.24	45.29	1.67	<0.01	0.34	0.64
WS0008D	1.3	1.06	2.61	4.22	0.145	21.4	0.16	0.84	18.33	0.76	<0.01	0.2	0.49
WS0009D	2.7	1.99	9.27	6.5	0.527	61.6	0.49	1.09	57.24	2.7	<0.01	0.41	0.4
WS0010D	2.5	1.92	14.46	7.05	0.38	76.4	0.37	1.25	54.99	2.35	<0.01	0.5	0.32
WS0011D	1.9	1.05	4.91	8.31	0.438	36.5	0.23	1.25	65.31	1.94	<0.01	0.38	0.56
WS0012D	2.5	2.1	9.08	7.36	0.319	55.9	0.48	1.38	50.65	2.27	<0.01	0.4	0.51
WS0013D	1.2	1.56	4.42	8.01	0.584	38.7	0.68	0.14	50.47	0.76	<0.01	0.39	0.1
WS0014D	2.3	1.28	5.91	7.03	0.509	46.5	0.51	1.17	54.23	1.64	<0.01	0.41	0.79
WS0015D	2.8	1.2	7.72	6.78	0.543	43.1	0.51	1.68	62.46	2.26	<0.01	0.41	0.81
WS0016D	1.8	1.29	8.13	7.56	0.667	45.5	0.43	0.96	66.31	1.75	<0.01	0.37	1.63
WS0017D	1.5	0.85	7.03	5.39	0.453	40.4	0.42	1.54	51.72	1.24	<0.01	0.32	1.15
WS0018D	1.6	1.16	12.62	4.84	0.41	43	0.41	1.97	54.26	1.2	<0.01	0.44	1.91
WS0019D	1.7	0.92	6.96	5.61	0.49	36.4	0.41	1.53	53.8	1.34	<0.01	0.35	1
WS0020D	1.7	1.49	9.89	5.28	0.451	48.9	0.45	1.64	56.62	1.51	<0.01	0.44	0.45
WS0021D	2.4	1.46	9.02	7.26	0.501	39.5	0.63	2.59	67.28	1.25	<0.01	0.53	0.89
WS0022D	1.5	1.53	6.34	5.89	0.283	48.6	0.2	1.37	46.67	1.9	<0.01	0.42	0.71
WS0023D	1.4	1.11	5.57	6.46	0.381	39.2	0.38	1.35	56.89	1.73	<0.01	0.42	0.31
WS0024D	2.1	0.98	5.45	4.77	0.297	25.5	0.41	1.37	37.63	0.82	<0.01	0.38	0.62
WS0025D	3	1.27	6.86	6.77	0.298	28.6	0.46	1.86	47.4	1.47	<0.01	0.45	2.26
WS0026D	2.8	1.38	9.33	6.24	0.521	42.4	0.48	2.18	58	1.65	<0.01	0.5	0.67
WS0027D	2.5	2.91	15.17	5.46	0.393	85.1	0.49	1.25	52.58	1.58	<0.01	0.44	0.39
WS0028	1.3	5.55	16.15	5.48	0.325	78.4	0.66	1.7	69.38	5.82	<0.01	0.46	5.1

Sample ID	Mo	Be	Cs	Ga	K	Li	Mg	Nb	Rb	Sn	Ta	Tl	W
WS0029	1.6	4.22	16.16	8.75	0.727	81.6	1.21	1.81	103.51	7.19	<0.01	0.62	4.35
WS0030	1	1.88	9.47	5.94	0.425	45.8	0.96	1.35	63.59	2.87	<0.01	0.41	1.72
WS0031	1.2	1.74	8.88	11.66	0.81	40.3	1.18	1.23	83.4	3.98	<0.01	0.45	0.28
WS0032	1.1	1.46	7.11	5.75	0.491	33.1	0.94	1.18	65.46	2.04	<0.01	0.44	1.75
WS0033	1.4	1.92	18.04	9.71	0.7	56	1.51	1.41	79.06	2.06	<0.01	0.45	0.63
WS0034	0.9	1.88	22.97	9.42	0.712	50.5	1.57	1.73	92.82	1.91	<0.01	0.43	6.02
WS0035	2.5	1.9	14.28	7.35	0.767	48.3	1.15	0.66	72.06	3.65	<0.01	0.76	5.06
WS0036	0.6	0.88	27.61	13.16	0.665	70.7	1.79	1.66	46.63	1.63	<0.01	0.31	0.63
WS0037	3.5	2.12	13.39	7.6	0.602	46.1	1.28	0.86	65.78	2.89	<0.01	0.56	3.69
WS0038	3.9	2.21	19.14	13.53	0.635	98.1	5.05	0.4	69.6	2.26	<0.01	0.5	0.63

The D suffixed sampleIDs (light blue highlights) are the blended fine and mid range samples (<0.4mm) while the prime samples are all from the 0.18<0.4mm size fraction.