AURORA MINERALS LIMITED
ACN 106 304 787

ASX Announcement

9 March 2017

ASX Code: ARM

Aurora Minerals Group of Companies

Diversified Minerals Exploration via direct and indirect interests

Predictive Discovery Limited (ASX: PDI) – 39.6%
- Gold Exploration / Development in Burkina Faso

Peninsula Mines Limited (ASX: PSM) – 29.3%
- Graphite, Lithium- Gold, Silver and Base Metals
- Molybdenum and Tungsten Exploration in South Korea

Aurora Western Australian Exploration – 100%
- Manganese, Base metals and gold

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PENINSULA MINES: UBEONG ZINC PROJECT EXCEPTIONAL SOIL SAMPLING RESULTS

Peninsula Mines Limited, a company in which Aurora Minerals Limited holds a 29.3% shareholding, today announced it was fast tracking drill targeting at the Ubeong Zinc Project in South Korea following receipt of exceptional soil sample results.

A copy of the announcement is attached.

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PENINSULA MINES LIMITED

ASX:PSM

ASX ANNOUNCEMENT

9 March 2017

ZINC PROJECT DRILL TARGETING TO BE FAST TRACKED FOLLOWING EXCEPTIONAL SOIL SAMPLING RESULTS

- **Exceptional soil sample results up to 2.3% Zinc, with supporting Silver and Copper, show potential for strong and broad anomalies at Ubeong Zinc Project, with further sampling to come**
- **Detailed mapping identifies 70 additional workings in the Chilbo historical mining area, with systematic rockchip/channel sampling to commence shortly**
- **New interpretation highlights significant mineralised structures associated with the identified workings and high-grade zinc/multi-element rock chip and soil sampling results to date**
- **Additional rockchip/channel sampling, detailed soil sampling and IP geophysics to be fast-tracked, with the objective of defining drilling targets for high-grade Zinc-Silver mineralisation**

Peninsula Mines Limited ("Peninsula" or the "Company") is pleased to announce **exceptional soil sampling results of up to 2.3 % Zinc (Zn)** from initial orientation soil sampling over the Chilbo historical workings area of the Ubeong Zinc Project in South Korea.

The initial, orientation soil sampling programme included 66 samples collected from three, 100m x 25m spaced north-south orientated lines across the mineralised marble/limestone skarn horizon, in the vicinity of the Chilbo historical workings (see Figure 2). The samples were sieved to various mesh sizes and initially analysed with hand-held XRF. The -180 micron (-80 mesh) fraction was chosen for follow up analyses at ALS laboratories in Perth, Australia, and results compared to the original XRF measurements (see locations Appendix 1, and results Appendix 2 (ALS) and Appendix 3 (XRF)). A strong correlation between XRF and ALS analyses was observed for Zn, Copper (Cu), Lead (Pb) and Arsenic (As). Reasonable correlation was also observed for Silver (Ag), Antimony (Sb) and Bismuth (Bi).

Results from across the mineralised marble/limestone skarn horizon were generally anomalous, and included **peak results of 2.3% Zn (XRF) / 2.1% Zn (ALS lab analysis)** and a continuous 100m wide sequence of >1,100ppm Zn, with supporting Cu, Pb, Ag and other analyses on the central of three initial lines. The detailed sampling will now be extended, on 100m x 25m lines, to cover the entire 2km x 2km Chilbo workings area and define the size and extent of the exceptionally anomalous zones.

In addition, detailed mapping by consultant geologist Malcolm Forbes has been compiled and includes over 70 additional workings that have not yet been sampled. **Sampling of remnant mineralisation in workings to date has produced results that include 2m @ 29% Zn[D3]** and **0.4m @ 39.7% Zn, 294 g/t Ag[D2]** and **1.0m @ 23.1% Zn[D2]**. A re-interpretation of detailed ground magnetics completed in November 2016 [D3], incorporating structural information from the mapping, has highlighted a series of northwest and north-south trending structural corridors coincident with the workings (see Figure 2), that are also associated with the strongly anomalous soil sampling results received to date.

Geophysical tests were conducted on mineralised samples collected during the mapping programme, with the objective of determining the most suitable method for detecting sulphide mineralisation dominated by sphalerite (Zn sulphide). Induced Polarisation (IP) produced the most positive "chargeability" results for sphalerite mineralisation and will be trialled in the Chilbo workings area with the aim of detecting buried sulphide bodies for drill targeting.

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Peninsula Mines Managing Director Jon Dugdale said: *"The initial orientation soil sampling results are very strong, and demonstrate the potential for broad multi-element anomalies at the Ubeong Zinc Project. We are very much looking forward to completing the planned rockchip and soil sampling programmes, and the additional IP geophysics, so that we can rapidly define drilling targets for high-grade zinc-polymetallic mineralisation at the Ubeong Project."*

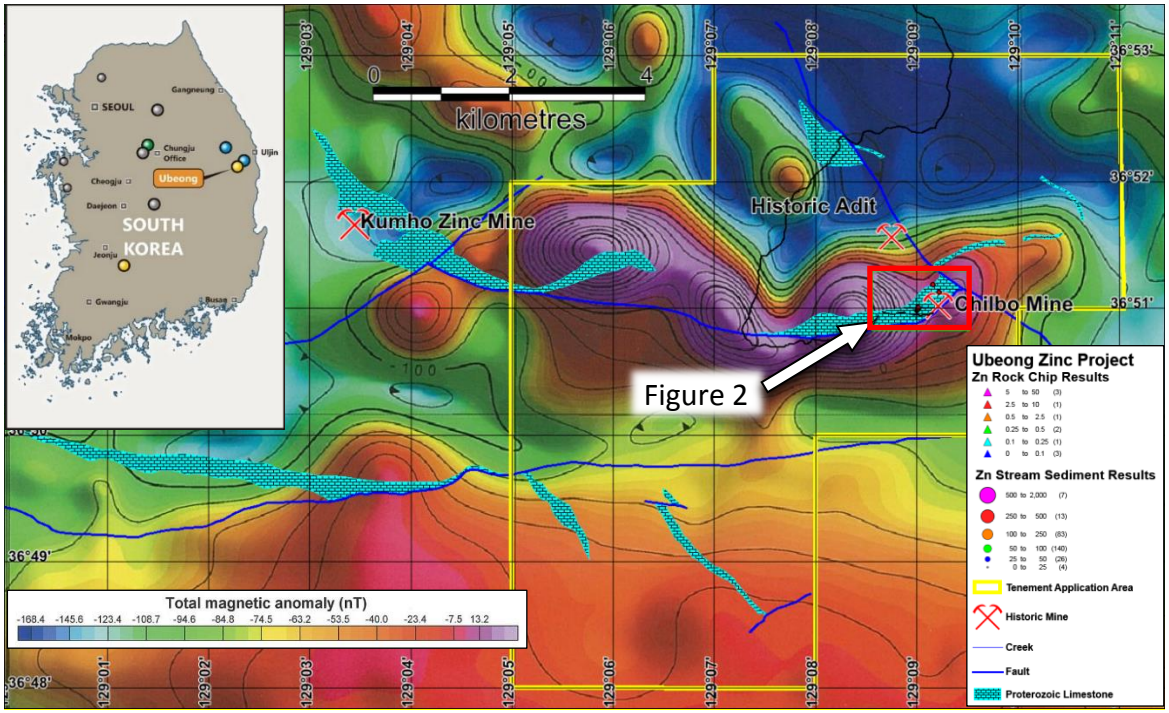

Figure 1: Ubeong Projects, skarn-limestone unit & tenements on Aeromagnetic image[D4, D5]

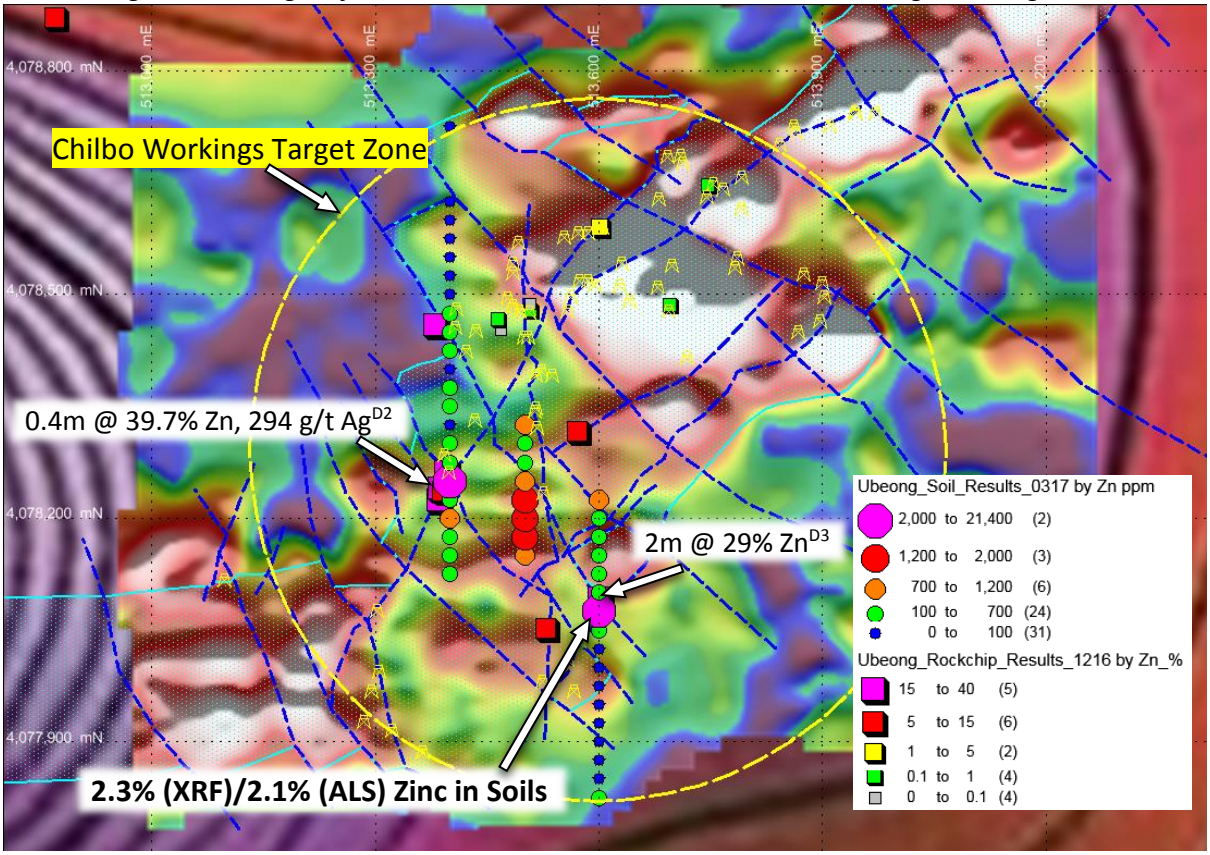

Figure 2: Strongly anomalous soil sampling results (circles) on structural interpretation of skarnified marble/limestone on detailed ground magnetics TMI image[D3] with historic workings shown in yellow

Background to the Ubeong Zinc-Silver Project:

Peninsula has secured tenement applications over the eastern 10 km of strike length of a highly prospective limestone-zinc-skarn unit at Ubeong, in the eastern part of South Korea.

High-grade zinc-silver mineralisation has been located, associated with the historical Chilbo Mine towards the eastern end of the skarn-unit. Workings have been mapped over a 2km x 2km area at Chilbo and are associated with a complex, mineralised, faulted zone that has offset the large, skarnified limestone horizon.

The operating Kumho Zinc Mine occurs just outside the Company's tenement applications at the western end of the skarnified limestone trend.

The Company has previously announced high-grade zinc-silver (+/- lead, copper, gold) results, produced from historical dumps and adits in the Chilbo historical mine area[D1,D2,D3]. Additional rockchip sampling and a detailed soil sampling programme have commenced and the Company has also completed a detailed ground-magnetic survey that will map the magnetic limestone-skarn unit and potentially mineralised structures. IP geophysics is also planned to detect buried sulphide bodies directly.

The objective of the rockchip/channel sampling, soil sampling and the geophysical programmes is to define drilling targets for massive-sulphide zinc-silver mineralisation to be tested as soon as possible.

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About Peninsula Mines

Peninsula Mines Ltd is an Australian listed exploration/development company focused on developing the outstanding opportunities for mineral discovery within South Korea. Peninsula's strategy is to focus on mineral commodities which have a positive price outlook and offer potential for off-take or strategic partnerships in-country.

The Company has established, and is growing, a portfolio of highly prospective graphite, lithium, gold-silver and zinc-silver-polymetallic projects in South Korea that all offer significant exploration potential.

Full versions of all the company's releases are available for download from the Company's website www.peninsulamines.com.au

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

D1 Exceptional Zinc-Silver-Lead grades from newly acquired Ubeong Project, South Korea, 13/9/16
D2 Further exceptionally high-grade zinc-silver results from Ubeong Project, South Korea, 31/10/16
D3 Major Zinc-Skarn District Identified at Ubeong Project in South Korea, 13/12/16
D4 Koo, S,B., Park, Y.S., Lim, M.T., Rim, H.R., Lee, H.I., Sung, N.H., Choi, J,H. and Koo., J.H., 2008, KIGAM 1:100,000 Socheon Aeromagnetic Contour Image.
D5 Kim, O.J., Hong, M.S., Park, H.I. and Kim, K.T., 1963, KIGAM 1:50,000 Samgeunri Geology Sheet and Dogyedong Geology Sheet.

Forward looking Statements

This release contains certain forward looking statements. These forward-looking statements are not historical facts but rather are based on Peninsula Mines Ltd's current expectations, estimates and projections about the industry in which Peninsula Mines Ltd operates, and beliefs and assumptions regarding Peninsula Mines Ltd's future performance. Words such as "anticipates", "expects", "intends", "plans", "believes", "seeks", "estimates" "potential" and similar expressions are intended to identify forward-looking statements. These statements are not guarantees of future performance and are subject to known and unknown risks, uncertainties and other factors, some of which are beyond the control of Peninsula Mines Ltd, are difficult to predict and could cause actual results to differ materially from those expressed or forecasted in the forward-looking statements. Peninsula Mines Ltd cautions shareholders and prospective shareholders not to place undue reliance on these forward-looking statements, which reflect the view of Peninsula Mines Ltd only as of the date of this release. The forward-looking statements made in this release relate only to events as of the date on which the statements are made. Peninsula Mines Ltd does not undertake any obligation to release publicly any revisions or updates to these forward-looking statements to reflect events, circumstances or unanticipated events occurring after the date of this presentation except as required by law or by any appropriate regulatory authority.

Competent Persons Statement

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 release 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 in this section apply to all succeeding sections.)

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.*	A 66 samples orientation soil sampling programme was completed over the core central area of the Chibo Prospect. The samples were collected from hand dug pits from a depth of 10-15cm below the humic layer. Around 500-600gm of sub 4mm damp soil was collected and placed in a ziplock plastic bag for subsequent drying. All samples were dried and sieved at the Company's office in South Korea. The raw sub 4mm fraction was XRF analysed then sieved to produce -40, -80 and -120 mesh fractions with each size fraction being placed in mylar cups and analysed with the Company's hand held Niton Gold XRF unit. In addition, -120 and -80 mesh fractions were recombined and analysed by XRF and it was this -80 mesh fraction that was then sent to ALS Perth for geochemical analysis. The samples were analysed for a broad 53 element range using low level analyses method ME-MS41L. The over limit Zn and As values were repeated and analysed using analysis method OG46 (Zn) and OG62 (As). The sampling programme was aimed at comparing XRF analysis results for a range of sample size fractions and then comparing the XRF analysis results of the selected fraction with those obtained from wet chemical laboratory analyses. The orientation study demonstrated a strong correlation for the key target elements of Zn, Pb and Cu and also for As and Cd while a reasonable degree of correlation was also observed in analyses for Ag, Bi, Sb and Sn.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	All samples were dried prior to sieving and XRF and subsequent wet chemical analysis. A blank and/or reference standards were analysed every 20 XRF reading (nominally every third sample). The laboratory conducts its own internal QA/QC analyses as part of its standard analysis suite.
	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	The soil samples were collected using a small fold up shovel and a pick to clear the humic layer and excavate a hole. Samples were collected across three 100m spaced lines with samples sites 25m apart along the sampled lines. The orientation survey was completed across areas of known and unknown mineralisation. All samples were collected at a similar depth with similar sample volumes collected from each sample site. All samples were coarse sieved in the field at the point of collection. All sampling gear was cleaned between samples to avoid any cross-sample contamination. Approximately 60gm of -80 mesh soil was re-bagged into a fresh ziplock bag and dispatched by DHL to ALS Perth and after clearing customs was dried by the lab. A minimum 1gm sub-sample was taken from each sample bag and dissolved with an aqua regia digest. The relative quantity of each

Criteria	*JORC – Code of Explanation*	Commentary
	mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.	of the 53 elements analysed for from each sample aliquot was read using a mixture of ICP-AES or ICP-MS. The results are only considered partial for Au, Ag, Sn and W.
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.	The raw soil samples were coarse sieved to -4mm in the field and then dried at the Company's field office. The samples were then further sieved to generate -40, -80 and -120 mesh size fractions

Criteria	*JORC – Code of Explanation*	Commentary
		that were all XRF analysed in house. The finer fractions (-80 & -120 mesh) were then combined to produce a <80 mesh fraction for both XRF and analytical determinations of a range of elements. All sample prep other than any additional drying at the lab was completed at the Company's office by Company personnel. The aim of the survey is to confirm whether hand held XRF analyses can be used to determine quantitative XRF analytical results for soils at the Chilbo Prospect. None of these analyses are intended for use in any future resource estimations that may be undertaken by the Company.
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	The results of the orientation survey suggest that XRF analyses will be suitable in identifying the relative level of Cu, Pb and Zn mineralisation in soils at the Chilbo Prospect. It is envisaged that 1 sample in every 20 from the full survey will be sent to ALS for quality control. This methodology is considered appropriate for the elements being targeted and for generating broad geochemical soil footprint over the prospect for Cu, Pb and Zn.
	Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	The samples collected are considered representative of the soil at each sample site. The analysis of various size fractions suggests that there is no significant difference between the raw sample and the subsequent sieved size fractions. Some grade loss was experienced where samples were analysed in the ziplock bag hence forth all XRF analyses will be completed in mylar cups. Further, the order of magnitude of the analysis results for each of the key target elements was similar when comparing in the Cu, Pb and Zn results by hand-held XRF with those for laboratory analysis for these same three key elements. Regular check analyses of CRM and blank samples were taken during the XRF analysis process.
	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.	No field duplicate samples were collected but the XRF results of multiple size fractions were compared. This is not considered material at this early project evaluation stage. All samples from the orientation survey have been analysed by hand-held XRF and by ALS laboratories, Perth.
	Whether sample sizes are appropriate to the grain size of the material being sampled.	The size of the soil samples is considered appropriate for the style of survey being undertaken.

Criteria	*JORC – Code of Explanation*	Commentary
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.*	Soil samples were dried at the Company's office in a small Kitchen oven. Once dry samples were sieved to produce multiple size fractions as discussed previously. Each size fraction was then individually analysed with the hand-held XRF for comparative purposes. The -80 mesh fraction was selected for full laboratory check analysis and a 50 to 60gm sample was dispatched by courier to ALS Perth. The samples on receipt were dried again at 105°C. A 1gm sub sample was then selected of each of the 66 samples and was dissolved using an aqua-regia digest. The resulting sample aliquot was then read by either ICP-AES or ICP-MS to determine the value for each of the 53 elements considered in the analysis. The method chosen ME-MS41L was selected as the preferred method for low level detections of a suite of elements from soil or stream sediment surveys. The results are considered total for elements other than Au, Ag, Mo, W and Sn.
	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.	The release includes a portion of the Socheon 1:100,000 Total Magnetic Airborne Magnetic Imagery (Figure 1). The Company purchased this image along with other images produced by the Korea Institute of Geoscience and Mineral Resources (KIGAM) as part of the country wide aeromagnetic atlas (Published Dec 2008). The Company has recently received permission from KIGAM management permitting the use of the KIGAM magnetic images in its ASX announcements, shareholder communications and corporate presentations. The magnetic survey was undertaken by KIGAM using a Geometrics G-813 Proton Magnetometer. The flight lines were flown East-West at a 1 km line spacing with North-South tie lines flown at a 5 km spacing. The flight altitude for the survey was 100-200m above ground level. The data processing involved setting the data level at 300m above mean sea level by upward/downward continuation. The International Geomagnetic Reference Field (IGRF) was used to assist with the removal of total magnetic anomaly. The KIGAM colour total magnetic contour maps are printed at 1:100,000 scale and referenced using the Bessel ellipsoid and the Tokyo datum with latitude and longitude coordinate marked. The more detailed ground magnetic data displayed in Figure 2 was collected by Company personnel using a Geometrics G858 field magnetometer and a Geometrics G856 base station. Company personnel were trained onsite by the geophysical consultant from Southern Geosciences Consultants Pty Ltd (SGC), Perth. The survey was conducted over a nominal 1 x 1.5km area with continuous readings taken every second as the operator walks along the 100m spaced north-south survey lines. The data collected each day was downloaded by from the receiver each evening and emailed to the Southern Geosciences

Criteria	*JORC – Code of Explanation*	Commentary
		consultant for processing. This allowed the data to be validated and if necessary areas of the grid to be resurveyed where data quality was considered questionable. The result was a high-quality, high resolution data set that was subsequently reprocessed by SGC to produce Total Magnetic Imagery (TMI) that has been reduced to the pole (RTP).
	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 the lab analyses. The Company has relied solely on the standard repeat and CRM protocols undertaken by ALS on the lab analyses of these samples. The Company however routinely completed a CRM or silica Blank analysis every 20 XRF readings. There were no adverse discrepancies in the XRF or the labs own QA/QC results. No repeats other than those involving size fraction analysis as part of the orientation survey have been undertaken at this time. The company has relied on the laboratories' own internal QA/QC procedures for quality control with these analyses. This is considered adequate given that none of the analyses disclosed or discussed in this release are intended for use in any future mineral resource estimation.
Verification of sampling and assaying	*The verification of significant intersections by either independent or alternative company personnel.*	The soil samples are single isolated samples and no weighted averages have been calculated using these assays. 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 or raw XRF data downloaded directly from the Niton XRF. 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.

Criteria	*JORC – Code of Explanation*	Commentary
		The sample locations 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. The 100 x 25m data spacing is considered adequate as a first pass soil geochemical analysis.
	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.
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 soil sampling programme is designed to identify areas of elevated base metal geochemistry to aid future drill targeting.
	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.*	The soil samples were organised and packed at the Company's secure core yard facility at Sotae-myeon. The samples were then packed in cardboard cartons and shipped to ALS Laboratory, Malaga, Perth using DHL Global Forwarding. The samples routinely take 4 to 7 days in transit from Korea until clearing customs in Perth and delivery to the laboratory. DHL online tracking allows for the parcels to be tracked throughout their transit.

Criteria	*JORC – Code of Explanation*	Commentary
Audits or reviews	*The results of any audits or reviews of sampling techniques and data.*	The ALS Laboratory, Malaga has not been visited by Company personnel.

(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
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 has filed 3 Mineral Deposit Survey Reports (MDS) with the Ministry over 3 tenement blocks covering the prospective Chilbo Prospect. A fourth MDS survey is underway and has an additional 18 applications have been renewed over surrounding blocks considered prospective for identifying blind zinc mineralisation. Exploration rights are granted by commodity for tenement blocks defined by the GRS080 grid system over 1x1 minute graticule blocks. The Ministry of Trade, Industry and Energy (MOTIE) reviews the MDS and if satisfied, will issue an exploration right. The Company anticipates receiving confirmation of the grant of the tenements over the Chilbo Prospect in May 2017 following a field inspection by Ministry personnel.
	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.	Following the Ministry field inspection anticipated to take place sometime in mid to late April 2017 it is expected that the Company will receive formal notification of the tenement grant by mid-May 2017. The Company will then have 12 months to file a prospecting plan for each of the granted tenement blocks. Provided that the Prospecting plan is submitted within the required time frame the Company will then be granted an exploration right that gives the Company up to 6 years to complete the exploration works outlined in the prospecting plan. At the end of the exploration period 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. In addition, the Company has until June 2017 to identify surface mineralisation and file MDS reports for the other 18 tenement blocks.

Criteria	JORC – Code of Explanation	Commentary
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. The Company is currently searching for historical mine records and past Korea Resources Corporation (KORES) or historic Korea Mineral Promotion Corporation (KMPC) reports on the Ubeong Project. 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. The presence of scattered pieces of drill core at the Chilbo Zinc Prospect mine site indicates that some limited drilling was undertaken historically. As yet, the Company has been unsuccessful in locating any historic records pertaining to this work. The Company has no records of the past production from any of the historic mines in the district.
Geology	*Deposit type, geological setting and style of mineralisation.*	The geological target is skarn associated polymetallic zinc, silver +/- copper, lead and gold mineralisation. The limited rock chip assay results indicate that there is potential in the area for zinc, lead, copper, silver, gold, tin, stibnite and tin mineralisation. The Proterozoic limestone at the former mine site has undergone intense skarn metasomatic alteration most likely associated with a blind intrusive body. Typical calc-silicate skarn alteration minerals such as hedenbergite and epidote were observed in rock chip samples. The intense magnetite and pyrrhotite mineralisation is typical of many other Korean skarn deposits. The intense magnetic high sympathetically tracking the mapped limestone unit is interpreted to reflect strong magnetite and pyrrhotite mineralisation associated with skarnification of the limestone. The Kumho mine to the west of the Chilbo Prospect was discovered during the Japanese occupation of Korea and initially mined as a manganese bearing skarn deposit. Subsequently, copper, lead, zinc, silver and gold mineralisation was discovered at depth in the 1940s. The Kumho mine has operated intermittently since 1930s with mining activities ceasing at times due to declining metal prices. The mine is currently active and is reportedly operating at around a 6% zinc head grade.
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) –*	There is evidence of historic drilling at the main historic mine site with minor scattered pieces of HQ and AQ core observed. The Company is yet to locate any historic drilling or mining records. All rock chip results, location details and descriptions have been included in past announcements[D1,D2]. The results of the magnetic survey have been commented upon in previous releases[D3]. This release focuses on the results of assays

Criteria	JORC – Code of Explanation	Commentary
	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*	recently received from analyses of soil samples collected as part of an initial orientation survey undertaken over the Chilbo Prospect. In addition, the results of the Company's hand-held XRF analyses of the same samples are included for comparative purposes (Appendix 1, 2 & 3).
	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. The results of all sampling work completed by the Company over the Chilbo Prospect have been reported on in this release or earlier releases[D1, D2 & D3].
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.*	No weightings or averaging has been applied to the data. All the data presented in this release is raw data. The image in this release relate to soil samples collected by Company personnel as part of an initial orientation survey over the Chibo Prospect. The balance of the survey will be completed over the coming months once the snow over the project area melts in early spring.
	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 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 individual soil sample lab and hand-held XRF analyses.

Criteria	JORC – Code of Explanation	Commentary
	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.*	Figure 1 illustrates the location of the Ubeong Project tenements and the Chilbo Prospect area. The KIGAM Socheon aeromagnetic image has been used as an underlying base to the figure and highlights the strong coincident magnetic high attributed to the skarnification of the host limestone unit within the Ubeong Project area. The tenement applications areas are also shown yellow. Figure 2 shows the location of past rock chip samples results as squares and results of the recent soil sampling as dots. This data is presented on the RTP - TMI ground-magnetics image generated following completion of initial ground magnetics survey by Southern Geoscience Consultants (SGC) and company personnel.
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 all the base and precious metal assays obtained from soil sample assaying is included as Appendices 1, 2 & 3. The sample data points are displayed in Figures 2.
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 base metal data considered relevant and material has been included in this announcement. A detailed ground magnetics survey has been completed over the main Chilbo workings area, covering a 1km x 1.5km area on 50m to 100m spaced north-south lines. The magnetic readings were collected continuously using a Geometrics G858, continuous reading CV magnetometer (G858), supported by a Geometrics G856 proton precession base station unit (G856). The G858 records one (1) reading per second as the operator walks the survey line. The G856 base station unit records and monitors the diurnal variation in the earths geomagnetic field during the survey, variations of which can be removed from the survey using processing. The image of the ground magnetics data presented on Figure 3 is a total magnetic intensity (TMI), reduced to pole (RTP),

Criteria	JORC – Code of Explanation	Commentary
		analytical signal image with a 20° from vertical sun-angle from the south.
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 the full project area. Initial detailed mapping has focussed on the main Chibo Prospect area. In addition, a grid based soil sampling programme, on 100m x 25m spacing, will recommence in April once the weather improves. The initial ground based magnetics programme covering a 1km x 1.5km area over the Chilbo mine workings area (see Figure 2) will be extended to the remainder of the 10km strike of the magnetic skarn-limestone unit targeted. The objectives of this programme are to define the magnetic skarnified limestone unit and structural breaks that may have focussed mineralisation. Electromagnetics (EM) has also been trialled to directly locate massive sulphides, and results are being assessed before consideration of any further EM work. An IP survey is also planned for April. The IP survey and soil sampling programme should allow the Company to define drill targets by mid-year.
	Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	Figure 1 outlines the strong magnetic high coincident with the mapped limestone unit with tenement applications and regionally mapped limestone unit. This is considered a strong target for along strike repeats of skarn polymetallic mineralisation already identified within the Ubeong Project area. Figure 2 shows the TMI image of the ground magnetics over the Chilbo workings area, the location of mapped workings and rock-chip and soil sample results collected to date. Overlaying is a structural interpretation showing interpreted skarnified limestone and numerous structural breaks that may be targeted using drilling for high-grade massive sulphide

Criteria	JORC – Code of Explanation	Commentary
		mineralisation, with geochemical support. Also, shown in yellow are the locations of historic exploration pits and stopes identified during the recent geological mapping of the prospect area.

Appendix 1 – Location and sample details for Ubeong Project Initial (Orientation) Soil Sampling

Sample ID	Project	Prospect	UTME WGS84 Z52N	UTMN WGS84 Z52N	RL m	Sample type	Sieve Fraction (mm)	Lab	Comments
UBS0002E	Ubeong	Chilbo	513400	4078125		soil	-180um	ALS Perth	
UBS0003E	Ubeong	Chilbo	513400	4078150		soil	-180um	ALS Perth	
UBS0004E	Ubeong	Chilbo	513400	4078175		soil	-180um	ALS Perth	
UBS0005E	Ubeong	Chilbo	513400	4078200		soil	-180um	ALS Perth	
UBS0006E	Ubeong	Chilbo	513400	4078225		soil	-180um	ALS Perth	
UBS0007E	Ubeong	Chilbo	513400	4078250		soil	-180um	ALS Perth	
UBS0008E	Ubeong	Chilbo	513400	4078275		soil	-180um	ALS Perth	
UBS0009E	Ubeong	Chilbo	513400	4078300		soil	-180um	ALS Perth	
UBS0010E	Ubeong	Chilbo	513400	4078325		soil	-180um	ALS Perth	
UBS0011E	Ubeong	Chilbo	513400	4078350		soil	-180um	ALS Perth	
UBS0012E	Ubeong	Chilbo	513400	4078375		soil	-180um	ALS Perth	
UBS0013E	Ubeong	Chilbo	513400	4078400		soil	-180um	ALS Perth	
UBS0014E	Ubeong	Chilbo	513400	4078425		soil	-180um	ALS Perth	
UBS0015E	Ubeong	Chilbo	513400	4078450		soil	-180um	ALS Perth	
UBS0016E	Ubeong	Chilbo	513400	4078475		soil	-180um	ALS Perth	
UBS0017E	Ubeong	Chilbo	513400	4078500		soil	-180um	ALS Perth	
UBS0018E	Ubeong	Chilbo	513400	4078525		soil	-180um	ALS Perth	
UBS0019E	Ubeong	Chilbo	513400	4078550		soil	-180um	ALS Perth	
UBS0020E	Ubeong	Chilbo	513400	4078575		soil	-180um	ALS Perth	
UBS0021E	Ubeong	Chilbo	513400	4078600		soil	-180um	ALS Perth	
UBS0022E	Ubeong	Chilbo	513400	4078625		soil	-180um	ALS Perth	
UBS0026	Ubeong	Chilbo	513400	4078725		soil	-180um	ALS Perth	
UBS0027E	Ubeong	Chilbo	513500	4078150		soil	-180um	ALS Perth	
UBS0028E	Ubeong	Chilbo	513500	4078175		soil	-180um	ALS Perth	
UBS0029E	Ubeong	Chilbo	513500	4078200		soil	-180um	ALS Perth	
UBS0030E	Ubeong	Chilbo	513500	4078225		soil	-180um	ALS Perth	

Sample ID	Project	Prospect	UTME WGS84 Z52N	UTMN WGS84 Z52N	RL m	Sample type	Sieve Fraction (mm)	Lab	Comments
UBS0031E	Ubeong	Chilbo	513500	4078250		soil	-180um	ALS Perth	
UBS0032E	Ubeong	Chilbo	513500	4078275		soil	-180um	ALS Perth	
UBS0033E	Ubeong	Chilbo	513500	4078300		soil	-180um	ALS Perth	
UBS0034E	Ubeong	Chilbo	513500	4078325		soil	-180um	ALS Perth	
UBS0036E	Ubeong	Chilbo	513600	4077825		soil	-180um	ALS Perth	
UBS0037E	Ubeong	Chilbo	513600	4077850		soil	-180um	ALS Perth	
UBS0038E	Ubeong	Chilbo	513600	4077875		soil	-180um	ALS Perth	
UBS0039E	Ubeong	Chilbo	513600	4077900		soil	-180um	ALS Perth	
UBS0040E	Ubeong	Chilbo	513600	4077925		soil	-180um	ALS Perth	
UBS0041E	Ubeong	Chilbo	513600	4077950		soil	-180um	ALS Perth	
UBS0042E	Ubeong	Chilbo	513600	4077975		soil	-180um	ALS Perth	
UBS0043E	Ubeong	Chilbo	513600	4078000		soil	-180um	ALS Perth	
UBS0044E	Ubeong	Chilbo	513600	4078025		soil	-180um	ALS Perth	
UBS0045E	Ubeong	Chilbo	513600	4078050		soil	-180um	ALS Perth	
UBS0046E	Ubeong	Chilbo	513600	4078075		soil	-180um	ALS Perth	
UBS0047E	Ubeong	Chilbo	513600	4078100		soil	-180um	ALS Perth	
UBS0048E	Ubeong	Chilbo	513600	4078125		soil	-180um	ALS Perth	
UBS0049E	Ubeong	Chilbo	513600	4078150		soil	-180um	ALS Perth	
UBS0050E	Ubeong	Chilbo	513600	4078175		soil	-180um	ALS Perth	
UBS0051E	Ubeong	Chilbo	513600	4078200		soil	-180um	ALS Perth	
UBS0052E	Ubeong	Chilbo	513600	4078225		soil	-180um	ALS Perth	
UBS0053E	Ubeong	Chilbo	531400	4078800	830	soil	-180um	ALS Perth	
UBS0054E	Ubeong	Chilbo	531400	4078775	848	soil	-180um	ALS Perth	
UBS0055E	Ubeong	Chilbo	531400	4078750	865	soil	-180um	ALS Perth	
UBS0056E	Ubeong	Chilbo	531400	4078725	881	DUP	-180um	ALS Perth	DUP of UBS0026
UBS0057E	Ubeong	Chilbo	531400	4078700	872	soil	-180um	ALS Perth	
UBS0058E	Ubeong	Chilbo	531400	4078675	847	soil	-180um	ALS Perth	

Sample ID	Project	Prospect	UTME WGS84 Z52N	UTMN WGS84 Z52N	RL m	Sample type	Sieve Fraction (mm)	Lab	Comments
UBS0059E	Ubeong	Chilbo	531400	4078650	827	soil	-180um	ALS Perth	
UBS0060E	Ubeong	Chilbo	531400	4078100	682	soil	-180um	ALS Perth	
UBS0061E	Ubeong	Chilbo	531400	4078075	693	soil	-180um	ALS Perth	
UBS0062E	Ubeong	Chilbo	531400	4078050	703	soil	-180um	ALS Perth	
UBS0063E	Ubeong	Chilbo	531400	4078025	706	soil	-180um	ALS Perth	
UBS0064E	Ubeong	Chilbo	531400	4078000	700	soil	-180um	ALS Perth	
UBS0065E	Ubeong	Chilbo	531400	4077975	698	soil	-180um	ALS Perth	
UBS0066E	Ubeong	Chilbo	531400	4077950	685	soil	-180um	ALS Perth	
UBS0067E	Ubeong	Chilbo	531400	4077925	684	soil	-180um	ALS Perth	
UBS0068E	Ubeong	Chilbo	531400	4077900	677	soil	-180um	ALS Perth	
UBS0070E	Ubeong	Chilbo	531400	4077850	665	soil	-180um	ALS Perth	
UBS0071E	Ubeong	Chilbo	531400	4077825	670	soil	-180um	ALS Perth	
UBS0072E	Ubeong	Chilbo	531400	4077800	672	soil	-180um	ALS Perth	

Appendix 2 – Assay Results of soil sampling for the Ubeong Project initial (Orientation) Soil Sampling

Sample ID	Ag ppm	Al %	As %	As ppm	Au ppb	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm
Method	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia
UBS0002E	0.266	3.56		395	1.2	190	1.95	1.24	0.18	0.403	45.5	18.15	53.6	21.3	39.1	4.47	10.55	0.06
UBS0003E	1.295	2.29		4240	5.1	131	3.05	49.6	0.49	5.92	48.7	25.1	43.2	10.1	95.6	5.69	9.1	0.094
UBS0004E	1.14	2.62		2340	7.1	124	2.58	8.46	0.38	4.67	58.1	34.7	54	8.29	61.1	6.58	10.1	0.12
UBS0005E	1.74	2.6		4080	11.2	113.5	2.3	10.2	0.35	6.46	50.3	33	50.5	6.79	59.4	7.03	9.17	0.095
UBS0006E	1.985	3.34		3180	16	171	2.48	4.9	0.44	3.56	47.1	50.2	89.2	26.7	61.9	8.15	12.6	0.144
UBS0007E	11.55	0.92	11.5	>10000	254	81.3	2.24	35.2	5.01	76.1	27.6	45.4	12.15	5.05	55.1	15.25	2.91	0.117
UBS0008E	0.962	3.74		4960	7.8	73.6	3.81	6.28	0.94	4.55	84.9	33.4	44.3	6.48	83.8	7.18	12.5	0.19
UBS0009E	0.779	2.98		587	3.2	77.8	1.81	1.87	0.18	1.1	49.3	27.5	46.7	6.33	41	4.76	10.9	0.083
UBS0010E	0.294	1.7		548	2.5	58.1	0.72	1.15	0.12	0.674	39.5	5.58	22.6	7.47	23.9	3.1	6.48	0.045
UBS0011E	0.231	4.1		511	2.5	69.8	1.29	1.48	0.07	0.948	39.1	14.45	49.8	13.6	38.4	5.26	11.55	0.055
UBS0012E	0.342	3.86		4440	3.5	51.5	1.28	1.745	0.34	1.075	53.8	15.25	44	8.98	48.6	5.81	11.5	0.079
UBS0013E	0.25	3.35		335	1.2	43.7	1.09	1.215	0.03	0.267	61.2	17.35	35.7	7.57	53.2	5.02	9.78	0.068
UBS0014E	0.861	3.97		1495	8	97.6	3.03	5.33	0.08	1.835	111	32.1	59	29.5	78.2	6.37	14.25	0.163
UBS0015E	0.536	2.53		748	4.2	80	1.71	4.24	0.14	0.99	67.9	14	34.2	7.62	36.4	3.93	8.07	0.076
UBS0016E	1.265	3.98		2060	12.6	108.5	2.53	9.27	0.28	2.55	65.6	36.2	69.1	48.5	96.8	7.25	13.2	0.184
UBS0017E	0.288	2.51		295	1.1	110.5	2.02	1.72	0.2	0.693	93.3	24.3	39.1	18.5	37.2	4.66	9.01	0.128
UBS0018E	0.113	2.64		118.5	1.5	142	1.77	0.81	0.1	0.333	91.5	20.4	30.6	4.71	23.6	3.71	8.59	0.107
UBS0019E	0.206	3.55		178	0.5	312	2.25	0.874	0.22	0.569	85.1	31.8	55.7	37.5	45.3	5.49	12	0.111
UBS0020E	0.358	3.66		289	0.5	212	2.18	1.34	0.11	0.506	88	35.4	60.6	45.5	45.3	5.66	12	0.095
UBS0021E	0.176	4.09		153	-0.2	163.5	2.33	0.889	0.08	0.358	107.5	41.1	62.9	56.8	56.7	6.43	12.5	0.096
UBS0022E	0.309	4.09		352	0.2	129	2.24	1.77	0.12	0.51	80.7	35.4	67.2	65.4	60.4	6.32	12.05	0.091
UBS0026	0.14	3.05		94.5	1.8	78.1	1.45	0.743	0.03	0.115	35	9.64	31.3	20.9	25.3	3.39	7.36	0.058
UBS0027E	1.29	2.45		2490	5.6	128	3.31	5.78	0.58	9.01	74.4	42.5	47.6	8.26	279	5.51	9.45	0.113
UBS0028E	4.15	2.47		4290	44.1	78.6	4.46	7.1	0.61	23.5	98	57.2	80.4	14.5	763	9.3	10.9	0.21
UBS0029E	3.88	2.71		2510	18.8	180.5	4.18	7.71	0.63	18	88.7	54.4	56.2	10.75	402	6.27	10.6	0.136

Sample ID	Ag ppm	Al %	As %	As ppm	Au ppb	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm
Method	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia
UBS0030E	8.26	1.66		4750	72.2	205	3.79	8.7	1.16	22.2	60.6	161.5	77.6	4.28	1425	8.83	10	0.226
UBS0031E	9.19	1.32	4.11	>10000	159	47.5	3.22	27.6	2.18	16.45	38.7	66.4	123.5	3.05	560	14.6	6.54	0.309
UBS0032E	2.59	3.16		1820	5.8	133.5	3.67	4.23	0.34	6.45	75.3	43.6	43.2	7.38	343	5.78	11.6	0.114
UBS0033E	5.05	3.11		1415	9.1	206	6.11	4.35	0.8	7.86	78	38.8	50.6	8.78	578	5.39	12.05	0.14
UBS0034E	3.78	3		3700	4	89	3.85	9.24	0.34	7.89	106	23.6	45.8	8.08	522	4.61	12.2	0.162
UBS0036E	8.46	3.12	1.635	>10000	94.8	157.5	1.1	55.6	0.13	20.9	54.2	15.9	33.8	5.2	166	5.02	9.78	0.077
UBS0037E	0.244	3.39		244	4	68.4	0.68	1.075	0.02	0.413	48.2	6.68	27.9	3.67	15.2	2.61	8.1	0.039
UBS0038E	0.108	3.46		110.5	1.5	72	0.68	0.716	0.01	0.276	62.9	6.03	23.1	2.86	11.6	2.39	8.9	0.036
UBS0039E	0.081	4.44		102.5	2	114.5	1.26	0.78	0.02	0.288	110	6.96	28.4	3.66	17.15	2.54	10.7	0.034
UBS0040E	0.071	3.02		104.5	3.4	53.4	0.92	0.675	0.02	0.221	59.6	3.45	15.2	3.16	7.33	1.98	7.15	0.039
UBS0041E	0.05	3.3		86.5	0.6	43.7	0.89	1.46	0.01	0.107	33.4	5.69	23.8	4.89	7.07	2.39	8.37	0.035
UBS0042E	0.076	3.14		48.1	0.7	40.2	1.29	1.655	0.02	0.085	26.6	5.14	22.7	6.32	5.92	2.79	10.2	0.039
UBS0043E	0.031	1.63		32	1.1	24.9	0.75	2.51	0.01	0.093	18.7	3.61	9.7	8.07	9.04	0.84	4.67	0.014
UBS0044E	0.02	2.01		28.2	1.4	40.8	1.27	1.85	0.01	0.06	27.2	6.66	11.5	9.01	9.03	0.84	5.57	0.011
UBS0045E	0.081	1.51		188	4.6	36.8	3.17	3.19	0.02	1.43	50.5	8.48	9.71	10.7	15.45	1.22	4.65	0.027
UBS0046E	39.9	1.98	2.57	>10000	332	265	13.1	236	0.87	295	128.5	44.6	39.8	19.85	653	11.85	8.41	0.269
UBS0047E	1.705	2.79		1225	6.3	66	1.89	5.51	0.07	3.39	35.2	7.2	27.2	21.7	23.7	3.01	9.18	0.044
UBS0048E	0.497	2.91		374	2.9	62	1.94	2.6	0.08	1.16	48.5	15	33.5	10.9	33.2	3.46	9.89	0.054
UBS0049E	0.392	2.39		265	2.4	62.9	1.13	1.185	0.07	0.696	40.5	10.05	31.7	6.77	14.55	2.43	7.55	0.04
UBS0050E	0.34	3		1135	5.3	78.7	2.12	3.12	0.08	0.844	46.9	10.65	24.3	10.15	30.8	3.34	10.6	0.053
UBS0051E	0.497	2.89		1395	2.8	188.5	5.22	2.87	0.37	3.88	52.4	29.6	28.9	40	65.8	5.49	10.6	0.096
UBS0052E	0.999	2.42		3360	6.1	165.5	5.97	8.47	0.19	13.7	66.1	35.2	33.2	13.8	105.5	6.43	9.05	0.107
UBS0053E	0.451	3.53		164	6.9	45.2	1.32	1.31	0.02	0.451	83.5	30.7	31.9	9.25	51.3	5.24	9.9	0.098
UBS0054E	0.17	3.21		91.5	1.2	72.8	1.1	0.801	0.02	0.182	50.6	21.6	30.2	7.88	49.7	3.46	8.18	0.062
UBS0055E	0.301	3.75		75.2	1.2	64.9	0.86	0.646	0.02	0.152	42.5	20.9	37.6	8.97	53.5	3.91	9.93	0.046
UBS0056E	0.125	4.15		55.6	1.2	78.8	0.86	0.482	0.02	0.117	43.2	17.25	38	8.75	21.9	3.99	11.5	0.041

Sample ID	Ag ppm	Al %	As %	As ppm	Au ppb	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm
Method	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia
UBS0057E	0.175	2.98		295	0.5	75.7	1.45	0.66	0.03	0.145	72.7	15.5	30.6	16.65	25.8	3.68	8.9	0.07
UBS0058E	0.203	3.27		190.5	0.7	73.1	1.42	0.722	0.03	0.204	74.1	19.3	36.1	18.6	30.3	4.4	9.29	0.084
UBS0059E	0.135	4.77		103.5	1.7	138	2.7	0.674	0.05	0.198	146	36.1	88	95.8	67.2	7.89	16.05	0.207
UBS0060E	0.075	2.68		86.1	0.9	158.5	1.37	0.604	0.13	0.254	57	11.4	32.9	7.05	18.75	3.19	8.87	0.069
UBS0061E	0.122	3.59		84.8	2.9	133.5	1.73	0.587	0.09	0.243	67.5	16.9	37.9	5.94	36.3	4.67	11.75	0.082
UBS0062E	0.242	3.15		52.8	1.7	131.5	1.66	0.767	0.13	0.198	58.2	21.3	40.8	7.09	33.9	3.59	11.4	0.078
UBS0063E	0.096	6.87		47.8	4.5	118.5	3.95	1.01	0.03	0.3	165.5	41.7	67.6	12.2	132.5	9.54	26.4	0.234
UBS0064E	0.195	3.26		40	1.6	55.9	2.42	0.439	0.09	0.332	58.9	13.45	38.1	5.97	14.3	3.94	11.5	0.077
UBS0065E	0.196	3.24		35.4	1.4	59	1.77	0.385	0.58	0.234	55.9	13.4	41.4	5.91	11.95	4.05	10.25	0.075
UBS0066E	0.117	2.16		52.7	0.2	55.5	1.41	0.355	0.19	0.126	47.2	13.5	25.6	6.62	14.05	3.09	7.1	0.054
UBS0067E	0.49	3.63		434	60.9	67.4	4.31	1.15	0.36	0.527	151.5	29.5	50.6	16.05	34.9	6.26	14.05	0.208
UBS0068E	1.615	2.71		1200	4.1	47.7	2.84	20.4	0.14	2.7	107.5	41.7	50.9	9.16	157	6.64	10	0.171
UBS0070E	1.665	2.94		1275	3.8	95	6.27	29.1	0.85	7.45	71.7	37.5	48.7	21.7	110.5	6.34	11.4	0.125
UBS0071E	0.255	3.22		150.5	1.3	163.5	1.57	0.85	0.28	0.553	58	9.37	26.3	7.38	16.75	2.87	8.67	0.048
UBS0072E	0.121	2.67		193	4.4	98.8	1.41	1.13	0.09	0.416	70.7	9.6	36	4.46	22	3.19	9.33	0.079

Sample ID	Hf ppm	Hg ppm	In ppm	K%	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na%	Nb ppm	Ni ppm	P%	Pb ppm	Pd ppb	Pt ppb	Rb ppm	Re ppm
Method	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia
UBS0002E	0.014	0.07	0.047	0.28	23.9	62.4	1.03	1255	0.6	0.008	3.36	28.9	0.039	25.3	-1	-2	56.7	-0.001
UBS0003E	0.028	0.26	0.309	0.25	26.1	36.2	0.61	1825	1.12	0.007	1.245	27.5	0.085	105.5	-1	-2	48.7	-0.001
UBS0004E	0.017	0.08	0.137	0.26	30.7	35.6	0.79	2120	0.77	0.009	1.37	35.3	0.042	111.5	1	-2	36.5	-0.001
UBS0005E	0.021	0.06	0.146	0.13	24.6	25.7	0.59	2520	0.67	0.008	1.105	29.7	0.054	257	-1	-2	27.9	-0.001
UBS0006E	0.037	0.03	0.079	0.69	21.7	55.8	1.2	2190	0.38	0.009	0.98	51	0.041	184.5	-1	-2	64.4	-0.001
UBS0007E	0.06	0.06	0.497	0.11	12.45	13.4	0.42	6930	0.69	0.007	0.113	23.5	0.081	656	-1	-2	11.8	-0.001
UBS0008E	0.077	0.17	0.134	0.16	70.1	39.3	0.64	1930	0.79	0.008	0.694	33.5	0.07	336	-1	-2	28.7	-0.001
UBS0009E	0.046	0.08	0.065	0.12	25.1	29.9	0.46	1155	0.83	0.008	1.275	31.3	0.028	52	-1	-2	37.1	-0.001
UBS0010E	0.028	0.07	0.037	0.08	20.2	27.2	0.15	157	1.46	0.005	0.97	12.8	0.022	16.35	1	-2	26.5	-0.001
UBS0011E	0.145	0.11	0.061	0.16	15.7	57.2	0.54	190	1.26	0.008	2.34	32.3	0.03	21.3	-1	2	37.5	-0.001
UBS0012E	0.106	0.08	0.051	0.13	25.5	40.2	0.27	181	4.94	0.007	1.5	30.5	0.031	20.6	-1	-2	32.5	-0.001
UBS0013E	0.104	0.12	0.049	0.1	28.1	32.6	0.22	151	1.87	0.007	1.69	28.6	0.031	18.45	-1	-2	33.2	-0.001
UBS0014E	0.039	0.09	0.196	0.62	39.1	65.9	1.15	1735	0.79	0.008	2.12	36.7	0.044	55.3	-1	-2	78.7	-0.001
UBS0015E	0.024	0.09	0.08	0.18	31.2	33.1	0.59	699	0.88	0.007	1.68	27.3	0.038	24.6	-1	-2	34.2	-0.001
UBS0016E	0.04	0.06	0.152	0.83	33.7	82.6	1.27	1580	0.77	0.01	1.435	43.7	0.058	91.5	4	-2	104.5	-0.001
UBS0017E	0.018	0.06	0.06	0.32	48.9	39.9	0.65	1400	0.99	0.008	1.48	32.3	0.056	28.7	-1	2	52.6	-0.001
UBS0018E	0.072	0.05	0.053	0.17	39.9	25.3	0.54	1560	0.74	0.008	1.13	28.7	0.042	23.5	-1	-2	30.1	-0.001
UBS0019E	0.017	0.04	0.05	0.54	37.7	79.1	0.93	1755	0.49	0.01	2.71	39.1	0.085	16.8	-1	-2	129.5	-0.001
UBS0020E	0.016	0.04	0.034	0.5	35.1	83.6	0.98	1590	0.55	0.008	2.86	39.9	0.05	19.2	-1	-2	119.5	-0.001
UBS0021E	0.017	0.08	0.052	0.57	34.6	92.4	1.01	1700	0.69	0.008	3.31	42.7	0.053	17.7	-1	-2	124.5	-0.001
UBS0022E	0.021	0.1	0.045	0.74	33.9	88.1	1	1070	0.74	0.011	3.9	39.9	0.064	28	-1	-2	142	-0.001
UBS0026	0.076	0.11	0.035	0.31	19.15	97.1	0.54	163	0.74	0.007	2.38	23.6	0.021	19.65	-1	2	43.6	-0.001
UBS0027E	0.043	0.05	0.316	0.15	37.9	21.4	0.57	4240	0.84	0.007	1.225	39.6	0.066	66	-1	-2	31.9	0.001
UBS0028E	0.094	0.05	0.648	0.33	44	23.1	1.01	6100	0.65	0.006	0.661	54.3	0.146	217	-1	-2	34.7	-0.001
UBS0029E	0.096	0.11	0.606	0.19	45.2	20.2	0.56	7910	0.75	0.007	1.105	56	0.102	107.5	3	-2	39.5	-0.001
UBS0030E	0.033	0.11	0.449	0.08	28.3	9.8	0.72	10550	0.85	0.007	0.451	89.5	0.127	82.2	5	2	18.45	0.001

Sample ID	Hf ppm	Hg ppm	In ppm	K%	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na%	Nb ppm	Ni ppm	P%	Pb ppm	Pd ppb	Pt ppb	Rb ppm	Re ppm
Method	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia
UBS0031E	0.064	0.11	0.441	0.06	15.85	10.7	0.35	8220	0.68	0.009	1.245	45.3	0.208	1160	7	2	15.3	0.001
UBS0032E	0.105	0.08	0.157	0.1	38.8	28.4	0.57	3880	0.85	0.008	1.555	39.8	0.042	229	2	-2	27.2	-0.001
UBS0033E	0.159	0.15	0.178	0.13	38.5	33.3	0.85	5140	0.73	0.009	1.585	51.7	0.07	121.5	-1	-2	32.8	-0.001
UBS0034E	0.036	0.16	0.194	0.12	55.5	25.5	0.45	4590	0.85	0.006	1.655	30.4	0.052	131.5	-1	2	31.4	-0.001
UBS0036E	0.033	0.05	1.305	0.22	27.2	22.1	0.39	1225	1.39	0.014	1.615	16.35	0.049	468	-1	-2	41.3	-0.001
UBS0037E	0.119	0.06	0.088	0.1	14.45	24.5	0.29	177	1.14	0.006	1.195	17.15	0.015	35.2	-1	-2	35.8	-0.001
UBS0038E	0.177	0.07	0.077	0.1	10.15	23.2	0.24	199	1.28	0.007	0.933	14.8	0.014	29.1	3	-2	28.1	-0.001
UBS0039E	0.161	0.13	0.05	0.11	10.95	25.1	0.28	376	1.29	0.006	0.97	18.85	0.018	32.7	-1	-2	34.5	-0.001
UBS0040E	0.142	0.08	0.074	0.08	12.9	20.6	0.15	139	1.06	0.005	0.658	8.22	0.013	21.9	-1	-2	29.8	0.001
UBS0041E	0.092	0.06	0.041	0.09	10.85	39	0.21	105	1.03	0.006	1.54	12.9	0.015	15.2	2	-2	35.5	-0.001
UBS0042E	0.106	0.06	0.035	0.09	8.82	49	0.2	102	0.95	0.006	1.395	12.3	0.014	16.05	-1	-2	42.1	-0.001
UBS0043E	0.073	0.02	0.011	0.07	4.41	41	0.08	68	0.51	0.003	0.894	9.66	0.005	17.2	-1	-2	33.1	-0.001
UBS0044E	0.099	0.03	0.081	0.07	4.53	42.3	0.07	74.5	0.44	0.004	0.69	11.1	0.005	18.45	-1	-2	28.9	-0.001
UBS0045E	0.057	0.07	0.189	0.08	10.8	39.2	0.09	439	0.53	0.004	1.45	12.45	0.015	36.9	2	-2	31.7	-0.001
UBS0046E	0.099	0.32	21	0.15	81.8	41.7	0.84	10350	1.67	0.007	0.398	88.2	0.134	2480	2	2	33.8	-0.001
UBS0047E	0.03	0.14	0.457	0.17	13.55	76.7	0.33	350	1.47	0.006	2.74	19.6	0.042	90.7	-1	-2	56.4	-0.001
UBS0048E	0.046	0.07	0.154	0.11	18.6	50.6	0.36	344	1.58	0.006	1.87	21.1	0.024	31.6	-1	-2	41.4	-0.001
UBS0049E	0.036	0.08	0.087	0.07	14.5	32.4	0.4	315	0.87	0.005	1.675	18.4	0.02	19.65	-1	-2	24	-0.001
UBS0050E	0.023	0.06	0.096	0.2	15.55	51.2	0.57	512	1.28	0.008	2.07	18.6	0.027	30.5	-1	-2	58	-0.001
UBS0051E	0.021	0.03	0.153	0.35	27.7	101.5	0.6	1895	1.24	0.014	1.19	33.7	0.067	43.2	-1	-2	117.5	0.001
UBS0052E	0.085	0.05	0.455	0.16	31.5	28.2	0.34	3800	3.91	0.006	0.736	49.9	0.082	182.5	-1	-2	40.6	-0.001
UBS0053E	0.135	0.16	0.083	0.12	38.4	50	0.15	191	4.18	0.006	1.14	44.7	0.04	35.9	2	-2	39.5	-0.001
UBS0054E	0.105	0.11	0.046	0.11	21	41.7	0.29	143	1.47	0.005	0.926	38.7	0.023	24.5	-1	-2	28.1	-0.001
UBS0055E	0.123	0.17	0.031	0.13	18.4	56.6	0.3	145	1.76	0.005	1.78	33.6	0.026	20.8	-1	-2	34.7	-0.001
UBS0056E	0.112	0.16	0.042	0.08	13.65	70.7	0.25	112.5	1.56	0.006	2.05	33.4	0.021	18.65	-1	-2	17.35	-0.001
UBS0057E	0.073	0.07	0.039	0.16	25.4	69.7	0.36	176	1.34	0.007	1.49	30.4	0.026	18.8	-1	-2	38.4	-0.001

Sample ID	Hf ppm	Hg ppm	In ppm	K%	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na%	Nb ppm	Ni ppm	P%	Pb ppm	Pd ppb	Pt ppb	Rb ppm	Re ppm
Method	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia
UBS0058E	0.023	0.07	0.029	0.24	34.2	53.4	0.43	255	2.05	0.006	1.67	27.2	0.032	17	-1	-2	56.2	-0.001
UBS0059E	0.081	0.08	0.113	1.3	48.6	114	1.46	705	0.61	0.009	2.67	36.4	0.035	12.6	-1	-2	147.5	-0.001
UBS0060E	0.037	0.07	0.03	0.09	26.6	31.5	0.55	1005	0.57	0.007	1.385	24	0.036	20.1	-1	-2	31.4	0.001
UBS0061E	0.057	0.12	0.049	0.1	31.9	30.5	0.59	1325	0.88	0.005	1.405	33.6	0.038	23.3	-1	-2	33.3	-0.001
UBS0062E	0.043	0.07	0.044	0.07	29.2	33.1	0.45	794	0.62	0.006	2.32	32.9	0.025	25.2	-1	2	21.9	-0.001
UBS0063E	0.303	0.09	0.125	0.26	50.3	51.5	0.45	496	0.92	0.007	1.755	53.5	0.069	53.7	-1	-2	30.8	0.001
UBS0064E	0.045	0.03	0.057	0.1	29.4	37.6	0.91	290	0.63	0.005	1.525	25.3	0.024	17.25	-1	-2	28.6	-0.001
UBS0065E	0.074	0.06	0.033	0.11	28.1	29.8	1.08	533	0.6	0.008	1.325	24.5	0.022	15.7	-1	-2	29.9	-0.001
UBS0066E	0.051	0.03	0.029	0.09	21.2	21.9	0.54	316	0.63	0.006	0.749	20.5	0.018	11.55	-1	-2	28.4	-0.001
UBS0067E	0.13	0.18	0.085	0.15	73.7	43.3	0.51	477	1.11	0.007	1.79	41.3	0.027	41	2	-2	30.6	0.001
UBS0068E	0.027	0.1	0.151	0.13	45.9	27.7	0.34	1910	6.13	0.004	2.01	34.8	0.049	40.3	1	-2	34.3	-0.001
UBS0070E	0.031	0.05	0.314	0.16	32.2	47.4	0.54	3120	3.64	0.007	2.27	36.7	0.064	63.2	1	-2	59.3	0.001
UBS0071E	0.053	0.06	0.046	0.18	18.25	23.7	0.4	1185	0.93	0.013	1.38	17	0.039	27.3	2	-2	40.9	-0.001
UBS0072E	0.035	0.07	0.056	0.21	36.4	25.4	0.62	758	0.95	0.009	1.59	23.5	0.026	24.3	1	-2	34	-0.001

Sample ID	S%	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn %	Zn ppm	Zr ppm
Method	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia
UBS0002E	0.03	5.64	7.1	0.5	1.97	13.5	-0.005	0.07	4.11	0.174	0.332	1.045	99.4	0.328	11.15		107	0.9
UBS0003E	0.04	15.7	8.78	1.5	9.17	17.1	-0.005	0.74	3.14	0.075	0.331	2.79	79.9	4.07	19.1		629	0.83
UBS0004E	0.02	10.2	12.15	0.5	1.65	16.7	-0.005	0.37	3.75	0.131	0.424	0.798	93.2	0.784	29.4		520	1.05
UBS0005E	0.02	9.6	9.89	0.6	1.61	15.2	-0.005	0.72	2.82	0.104	0.349	0.865	90.9	0.688	19.75		723	0.8
UBS0006E	0.01	8.95	18.1	0.3	1	17.35	-0.005	0.35	4.63	0.316	1.115	0.504	145.5	0.533	18.4		398	1.74
UBS0007E	0.25	30	9.58	1.9	1.75	151	-0.005	3.35	1.76	0.005	0.413	0.647	32.5	1.06	21.9		5640	1.93
UBS0008E	0.04	21.8	18.85	1.3	2.33	16.95	-0.005	0.19	5.32	0.008	0.572	1.265	114.5	0.63	78.8		612	2.41
UBS0009E	0.02	9.3	10.95	0.8	1.83	12.4	-0.005	0.12	5.74	0.043	0.469	1.335	87.1	0.204	16.5		172.5	1.87
UBS0010E	0.01	7.48	2.3	0.5	1.35	8.97	-0.005	0.08	6.05	0.01	0.624	0.96	45.1	0.439	4.78		80.1	1.08
UBS0011E	0.03	6.73	6.96	0.9	2.1	6.32	-0.005	0.13	9.71	0.079	0.581	1.315	94.6	0.62	7		178.5	5.23
UBS0012E	0.02	7.28	6.82	1.1	2.01	13.65	-0.005	0.14	10.6	0.019	0.612	1.575	89.5	0.647	7.89		135.5	4.62
UBS0013E	0.04	5.59	4.76	1	1.82	5.8	-0.005	0.14	12.5	0.015	0.559	1.62	61.4	0.671	7.64		66.1	4.17
UBS0014E	0.01	15.7	17.1	0.7	3.46	7.26	-0.005	0.1	13.7	0.191	1.075	2.83	110.5	0.964	32.5		242	2.65
UBS0015E	0.02	7.65	6.31	0.4	2.4	10.3	-0.005	0.12	5.43	0.041	0.368	1.59	54.9	0.813	12.75		114.5	0.91
UBS0016E	0.02	31.2	16.85	0.4	4.05	16.7	-0.005	0.32	9.23	0.241	1.93	3.48	116	1.31	33.2		380	1.98
UBS0017E	0.02	9.88	8.42	0.5	1.9	16.25	-0.005	0.05	6.78	0.072	1.135	3.8	67	0.882	31.6		99.2	0.99
UBS0018E	0.01	5.25	7.35	0.3	1.48	12.75	-0.005	0.1	8.45	0.04	0.601	3.09	50.6	0.346	24.8		75.9	2.06
UBS0019E	0.04	13.6	9.03	0.5	2.65	24.2	-0.005	0.11	5.81	0.159	1.65	1.665	86.9	1.215	18.75		95.9	0.47
UBS0020E	0.03	14.3	9.21	0.6	2.54	17.95	-0.005	0.11	6.79	0.182	1.88	1.525	92.6	1.645	16.8		98.7	0.56
UBS0021E	0.03	15.7	9.51	0.8	2.97	12.85	-0.005	0.1	7.01	0.211	2.02	1.71	108.5	2.15	18.3		96.6	0.78
UBS0022E	0.06	15.2	8.66	0.8	3.2	15.65	-0.005	0.07	5.49	0.246	1.795	1.395	112.5	2.71	17.5		99.7	1.01
UBS0026	0.02	8.06	3.23	0.7	1.9	5.11	-0.005	0.03	10.1	0.063	0.925	1.22	32.7	0.392	8.2		51.6	2.8
UBS0027E	0.03	6.4	11.5	0.7	8.38	14.25	-0.005	0.18	4.76	0.07	0.397	4.4	77.1	0.964	28.5		767	1.52
UBS0028E	0.01	10.4	18.8	0.5	11.9	18.05	-0.005	0.16	8.42	0.082	0.746	2.87	100.5	0.964	41.4		1970	3.58
UBS0029E	0.04	7.4	14.4	0.6	10.65	15.05	0.005	0.21	6.36	0.066	0.463	6.57	79.7	1.035	42.5		1345	3.58
UBS0030E	0.04	9.79	30.4	0.9	5.5	20.4	-0.005	0.32	5.36	0.046	0.313	2.85	106	0.792	24.8		1590	1.64

Sample ID	S%	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn %	Zn ppm	Zr ppm
Method	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia
UBS0031E	0.03	27.3	14.45	0.8	16.85	32.5	-0.005	0.47	8.55	0.085	0.434	5.74	103.5	1.47	31.5		1125	4.54
UBS0032E	0.02	8.94	13.8	0.9	4.84	10.9	-0.005	0.15	7.21	0.059	0.444	8.24	81.2	1.685	32.2		581	3.28
UBS0033E	0.05	8.34	13.75	0.9	5.44	20.3	-0.005	0.12	9.2	0.046	0.429	8.64	60.1	1.905	41.4		665	5.45
UBS0034E	0.03	11	13.3	0.8	7.97	9.28	-0.005	0.13	7.91	0.045	0.429	9.03	59.9	1.115	37.4		808	1.44
UBS0036E	0.03	18.5	4.99	1.1	4.77	14.3	-0.005	0.2	6.36	0.043	0.239	1.335	40.7	1.3	6.51		609	0.97
UBS0037E	0.02	0.79	3.06	0.7	1.29	5.46	-0.005	0.06	7.77	0.013	0.25	1.035	38	0.248	3.57		74.8	4.81
UBS0038E	0.02	0.59	3.76	0.5	1.06	4.02	-0.005	0.01	8.9	0.011	0.225	1.355	32.5	0.21	3.78		96.4	5.47
UBS0039E	0.02	0.52	4.19	0.8	1.37	6.76	-0.005	0.06	14.3	0.012	0.316	1.47	34.5	0.244	4.43		85.3	7
UBS0040E	0.01	0.55	3.64	0.5	1.38	3.76	-0.005	0.02	8.48	0.008	0.261	1.5	22.4	0.216	4.92		75.6	4.66
UBS0041E	0.02	0.52	3.54	0.6	3.05	3.83	-0.005	0.04	8.03	0.01	0.326	1.745	35.7	0.352	3.46		38.4	3.37
UBS0042E	0.02	0.43	4.67	0.6	4.6	3.53	-0.005	0.06	6.81	0.011	0.39	1.645	53.9	0.204	3.14		35.9	3.51
UBS0043E	0.01	0.27	1.46	0.4	3.61	1.52	0.005	0.04	6.33	0.005	0.341	1.605	13	0.395	1.78		25	2.1
UBS0044E	0.01	0.23	1.72	0.4	3.35	2.86	0.006	0.02	8.16	0.005	0.298	1.305	12.7	0.32	2.27		44.8	3.01
UBS0045E	0.01	0.7	2.49	0.4	5.26	2.73	0.009	0.02	9.47	0.004	0.495	5.57	13	0.783	6.65		109.5	1.81
UBS0046E	0.02	21.1	15.4	0.9	33	35.7	0.014	0.63	12.9	0.018	0.598	80.4	44.7	5.59	42.5	2.14	10000	4.34
UBS0047E	0.03	1.13	2.84	0.9	12.75	6.13	0.008	0.08	3.56	0.025	0.549	2.9	41	2.27	4.57		577	0.61
UBS0048E	0.02	1.88	5.92	0.5	10.05	6.33	-0.005	0.08	6.03	0.025	0.492	3.62	60.5	0.955	8.47		213	1.7
UBS0049E	0.02	1.33	4.07	0.4	2.65	6.47	-0.005	0.05	4.67	0.033	0.288	1.29	39.5	0.377	5.56		129.5	1.37
UBS0050E	0.02	2.5	6.13	0.6	7.74	8.16	-0.005	0.07	5.61	0.042	0.415	2.59	62.1	1.73	6.34		146.5	1.05
UBS0051E	0.02	5.01	9.61	0.6	15.65	17.7	0.005	0.07	3.26	0.098	0.888	2.35	110	3.22	21.5		355	0.59
UBS0052E	0.03	9.65	10.35	0.9	11.2	8.89	0.007	0.23	4.64	0.015	0.629	2.73	72.6	4	31.9		985	1.95
UBS0053E	0.03	11.3	3.97	1.3	1.6	4.99	-0.005	0.12	19.3	0.005	0.704	2.28	47.2	0.512	6.34		148.5	4.76
UBS0054E	0.01	7.42	3.67	0.8	1.07	4.43	-0.005	0.05	11	0.007	0.491	1.25	34.1	0.301	4.89		124.5	3.25
UBS0055E	0.03	6.29	3.08	0.9	1.42	5.74	-0.005	0.05	10.6	0.013	0.528	1.105	48.9	0.333	4.12		82.3	3.59
UBS0056E	0.03	3.51	4.06	1.1	1.74	4.4	-0.005	0.05	8.7	0.018	0.557	1.195	59.7	0.32	4.95		60.5	4
UBS0057E	0.01	9.14	4.16	0.6	1.37	5.16	-0.005	0.06	13.1	0.02	0.874	1.67	36	0.363	7.65		57	2.74

Sample ID	S%	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn %	Zn ppm	Zr ppm
Method	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia	Aqua Regia
UBS0058E	0.02	10.1	4.7	0.8	1.71	6.79	-0.005	0.07	9.73	0.031	0.666	1.595	64.5	0.342	10.1		70.2	1.37
UBS0059E	0.02	22	25.6	0.7	4.02	8.16	-0.005	0.1	15.6	0.326	3.65	1.43	146	3.4	53.4		81.7	2.69
UBS0060E	0.02	4.42	5.22	0.6	1.38	12.55	-0.005	0.03	4.07	0.04	0.393	1.14	51.8	0.388	14.15		71.1	1.05
UBS0061E	0.02	4.83	9.08	0.5	1.68	12.5	-0.005	0.03	6.99	0.046	0.449	1.475	85.1	0.196	20.2		81	2.33
UBS0062E	0.01	4.26	7.43	0.6	1.59	13.65	-0.005	0.07	6.23	0.079	0.322	1.45	64.6	0.129	14.05		59.9	1.82
UBS0063E	0.04	8.44	39.8	0.5	3.93	13.75	-0.005	0.07	19.7	0.24	0.634	2.91	155.5	0.092	45.9		102.5	11.4
UBS0064E	0.01	2.39	7.69	0.5	1.38	8.12	-0.005	0.03	6.53	0.049	0.37	1.345	62.2	0.185	16.1		54.9	2.05
UBS0065E	0.02	1.92	7.17	0.6	1.39	16.8	-0.005	0.03	5.54	0.062	0.347	0.925	66.7	0.282	17.65		51.6	2.86
UBS0066E	0.01	2.59	4.7	0.2	0.95	9.52	-0.005	0.04	4.66	0.009	0.305	0.859	43.1	0.444	9.23		49.8	1.53
UBS0067E	0.01	14.1	21.6	0.8	2.41	15.4	-0.005	0.09	18.1	0.033	0.661	3.17	73.5	1.16	61.4		82.3	5.88
UBS0068E	0.02	15.7	13.05	0.9	4.52	6.41	-0.005	0.12	7.04	0.026	0.975	2.18	73.5	1.54	43		366	0.99
UBS0070E	0.03	11.7	12.65	1	16.85	12.85	0.006	0.31	5	0.148	0.596	3.44	103.5	92.7	30.9		748	1.41
UBS0071E	0.02	1.87	4.54	0.5	1.76	30.1	-0.005	0.05	5.85	0.032	0.186	1.12	44	0.775	7.62		97.3	1.56
UBS0072E	0.01	1.52	6.26	0.4	1.28	13.65	-0.005	0.05	8.18	0.048	0.258	1.65	45	0.306	10.15		97.1	1.12

Appendix 3 – Hand-Held XRF Results for Soil Sampling at Ubeong to date

SampleID	Reading No.	Sample Size Fraction	Ag ppm	Al ppm	As ppm	Ba ppm	Bi ppm	Ca ppm	Cd ppm	Cl ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe ppm	Hf ppm
UBS-002E	2711	<0.177mm	<LOD	1279.11	290.1	79.61	13.65	5421.18	<LOD	432.09	332.49	81.85	<LOD	56.06	47327.94	<LOD
UBS-003E	2712	<0.177mm	<LOD	2520.23	2787.99	230.65	43.45	7859.77	10.19	423.04	<LOD	63.72	<LOD	117.02	64330.93	<LOD
UBS-004E	2713	<0.177mm	<LOD	1008.87	1408.76	185.2	14.26	5448.2	<LOD	541.33	<LOD	90.75	<LOD	80.2	65736.78	<LOD
UBS-005E	2714	<0.177mm	<LOD	1075.74	2587.92	257.55	19.47	5018.7	6.7	535.13	<LOD	66.48	<LOD	78.98	77926.27	<LOD
UBS-006E	2715	<0.177mm	3.96	2931.04	1976.02	202.37	<LOD	5615.94	8.23	669.22	<LOD	95.64	<LOD	91.84	90927.66	<LOD
UBS-007E	2716	<0.177mm	<LOD	1997.28	69475.7	179.11	26.13	42178.31	31.05	494.87	463.93	45.39	<LOD	79.5	163734.84	<LOD
UBS-008E	2717	<0.177mm	3.73	2507.29	2734.75	52.71	10.88	8970.14	7.03	514.41	<LOD	53.34	<LOD	90.48	75255.06	<LOD
UBS-009E	2718	<0.177mm	<LOD	1424.32	393.85	180.01	8.92	3458.31	<LOD	471.34	190.92	99.67	<LOD	61.44	45211.62	<LOD
UBS-010E	2719	<0.177mm	3.79	4025.75	357.95	184.68	9.21	1888.01	<LOD	782.32	134.83	115.98	<LOD	33.69	28095.04	<LOD
UBS-011E	2720	<0.177mm	3.35	6506.74	346.5	38.05	10.04	2841.63	<LOD	469.17	256.55	89.59	<LOD	48.74	51895.07	<LOD
UBS-012E	2721	<0.177mm	<LOD	6651.38	2946.7	195.34	17.01	4516.76	<LOD	568.2	<LOD	105.45	<LOD	62.4	63819.98	<LOD
UBS-013E	2722	<0.177mm	<LOD	2375.49	223.51	154.71	12.29	1717.92	<LOD	607.84	244.53	131.45	<LOD	62.82	49517.92	<LOD
UBS-014E	2723	<0.177mm	<LOD	3227.46	960.79	164.7	19.86	3351.36	<LOD	609.77	<LOD	110.79	<LOD	98.86	66462.21	<LOD
UBS-015E	2724	<0.177mm	<LOD	5942.99	480.13	<LOD	16.98	2969.3	<LOD	577.7	173.42	151.53	<LOD	59.18	37052.01	<LOD
UBS-016E	2725	<0.177mm	<LOD	4894.63	1218.58	133.44	19.72	5919.94	<LOD	684.96	<LOD	108.7	<LOD	112.3	77208.02	<LOD
UBS-017E	2726	<0.177mm	<LOD	5059.57	206.1	159.26	18.04	3442.45	<LOD	641.08	188.29	106.15	<LOD	57.99	46301.5	<LOD
UBS-018E	2727	<0.177mm	<LOD	1862.94	75.45	298.59	13.54	2457.37	<LOD	504.47	<LOD	131.02	<LOD	44.1	33733.14	<LOD
UBS-019E	2728	<0.177mm	<LOD	5121.3	114.84	196.43	18.6	3814.19	<LOD	630.81	202.88	116.66	<LOD	53.69	55767.44	<LOD
UBS-020E	2729	<0.177mm	<LOD	3719.83	196.53	131.54	13.62	2932.4	<LOD	641.63	<LOD	103.75	<LOD	67.07	60564.82	<LOD
UBS-021E	2730	<0.177mm	<LOD	9859.04	101.72	68	15.51	2664.55	<LOD	741.8	<LOD	95.51	<LOD	68.67	69475.64	<LOD
UBS-022E	2732	<0.177mm	<LOD	3530.53	246.55	192.99	15.64	3606.2	8.24	596.86	126.03	85.76	<LOD	72.78	68872.59	<LOD
UBS-026E	2731	<0.177mm	<LOD	3561.04	61.77	<LOD	7.51	1234.92	<LOD	603.04	<LOD	78.51	<LOD	36.87	30754.5	<LOD
UBS-027E	2733	<0.177mm	<LOD	5256.96	1572.85	185.97	15.19	15572.47	9.04	495.21	<LOD	115.52	<LOD	323.18	60112.64	<LOD
UBS-028E	2734	<0.177mm	4.54	8237.92	2596.51	186.68	19.47	11163.79	23.71	586.56	<LOD	99.64	<LOD	740.38	115483.85	<LOD
UBS-029E	2735	<0.177mm	4.47	10762.77	1590.22	121.48	21.16	14117.43	21.91	521.68	<LOD	96.26	<LOD	469.11	74601.69	<LOD
UBS-030E	2736	<0.177mm	6.77	10805.65	2648.3	330.91	15.94	26862.46	21.29	472.01	<LOD	44.99	<LOD	1167.06	129641.77	<LOD
UBS-031E	2737	<0.177mm	9.04	13636.37	35826.63	193.43	35.67	27571.44	12.47	527.11	<LOD	70.38	<LOD	549.81	253163.36	<LOD

SampleID	Reading No.	Sample Size Fraction	Ag ppm	Al ppm	As ppm	Ba ppm	Bi ppm	Ca ppm	Cd ppm	Cl ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe ppm	Hf ppm
UBS-032E	2738	<0.177mm	4.44	6112.12	1180.35	176.27	19.23	11342.44	8.05	519.92	<LOD	99.86	<LOD	486.64	64327.45	<LOD
UBS-033E	2739	<0.177mm	4.35	1871.48	925.84	244.83	22.52	25160.21	6.65	488.59	<LOD	92.29	<LOD	667.47	64545.67	<LOD
UBS-034E	2740	<0.177mm	3.77	8136.87	2500.77	133.76	30.93	16491.54	7.53	507.7	<LOD	135.3	<LOD	691.39	58820.97	<LOD
UBS-036E	2741	<0.177mm	9.27	4592.83	15953.91	250.64	55.02	2879.62	21.2	545.3	<LOD	117.01	<LOD	168.2	63304.27	<LOD
UBS-037E	2742	<0.177mm	<LOD	8421.31	149.15	143.82	10.58	1529.01	<LOD	511.24	<LOD	97.73	<LOD	26.26	24424.25	<LOD
UBS-038E	2743	<0.177mm	<LOD	2231.44	78.66	186.25	8.08	1370.79	<LOD	465.35	<LOD	85.2	<LOD	24.54	20591.75	<LOD
UBS-039E	2744	<0.177mm	<LOD	5205.2	72.59	98.56	19.71	1627.7	6.38	500.33	<LOD	132.92	<LOD	36.5	22442.65	<LOD
UBS-040E	2745	<0.177mm	<LOD	10445.77	70	172.27	10.93	1465.68	<LOD	508.07	<LOD	88.4	<LOD	26.05	16282.15	<LOD
UBS-041E	2747	<0.177mm	<LOD	6298.18	60.38	167.43	9.62	1571.18	<LOD	519.39	<LOD	94.92	<LOD	20.77	21363.95	<LOD
UBS-042E	2746	<0.177mm	<LOD	9340.54	42.76	83.82	6.05	1529.08	<LOD	549.97	<LOD	111.89	<LOD	22.01	26299.52	<LOD
UBS-043E	2748	<0.177mm	3.98	2732.32	23.92	37.53	10.63	981.62	5.07	582.87	<LOD	48.76	<LOD	28.27	11741.52	<LOD
UBS-044E	2749	<0.177mm	<LOD	5163.53	22.99	37.76	7.58	1094.3	6.47	555.64	<LOD	45.13	<LOD	27.11	11086.89	<LOD
UBS-045E	2750	<0.177mm	<LOD	7581.22	141.25	96.44	15.85	1478.48	7.81	500.34	<LOD	68.04	<LOD	37.18	14406.48	<LOD
UBS-046E	2751	<0.177mm	22.67	6138.14	21569.83	253.16	181.74	10510.85	206.1	559.96	<LOD	83.19	<LOD	570.07	203161.2	<LOD
UBS-047E	2752	<0.177mm	<LOD	2112.81	862.3	99.16	14.22	2440.77	<LOD	596.44	150.55	116.86	<LOD	40.21	32275.79	<LOD
UBS-048E	2753	<0.177mm	<LOD	4919.01	257.04	61.89	10.26	2766.08	5.65	528.42	<LOD	114.83	<LOD	40.53	32407.81	<LOD
UBS-049E	2754	<0.177mm	3.5	9045.59	180.82	<LOD	6.09	2697.33	<LOD	595.03	<LOD	88.67	<LOD	<LOD	22132.54	<LOD
UBS-050E	2755	<0.177mm	3.13	<LOD	737.12	168.25	10.8	2002.79	7.17	613.85	<LOD	85.25	<LOD	43.19	31309.4	<LOD
UBS-051E	2756	<0.177mm	<LOD	1608.3	859.4	191.98	7.39	7289.29	<LOD	446.74	<LOD	77.53	<LOD	81.55	73628.2	<LOD
UBS-052E	2757	<0.177mm	<LOD	7186.28	2068.22	173	14.77	4193.39	18.94	453.16	<LOD	76.53	<LOD	130.22	68817.6	<LOD
UBS-053E	2758	<0.177mm	2.98	8296.88	106.17	197.9	24.37	1099.8	10.18	544.31	<LOD	282.5	<LOD	55.18	51751.24	<LOD
UBS-054E	2759	<0.177mm	<LOD	6636.77	61.63	<LOD	13.06	1193.01	<LOD	502.65	<LOD	131.16	<LOD	53.14	31353.53	<LOD
UBS-055E	2760	<0.177mm	<LOD	4082.85	51.63	103.47	10.95	1214.25	<LOD	594.71	<LOD	113.38	<LOD	56.82	38204.24	<LOD
UBS-056E	2761	<0.177mm	<LOD	9282.2	37.01	152.52	12.84	1262.27	<LOD	561.13	<LOD	91.37	<LOD	33.73	38312.49	<LOD
UBS-057E	2762	<0.177mm	<LOD	2496.2	193.72	106.92	17.19	1364.14	<LOD	465.94	<LOD	113.54	<LOD	42.37	34943.45	<LOD
UBS-058E	2763	<0.177mm	<LOD	12466.54	131.02	75.28	13.24	1568.77	<LOD	602.88	<LOD	112.21	<LOD	39.15	42838.48	<LOD
UBS-059E	2764	<0.177mm	<LOD	9041.91	88.28	106.1	20.14	2243.38	6.14	922.94	<LOD	88.15	<LOD	76.8	83827.82	<LOD
UBS-060E	2765	<0.177mm	2.75	4046.21	58.95	206.18	10.68	3299.15	<LOD	550.64	<LOD	93.69	<LOD	34.46	29489.62	<LOD

SampleID	Reading No.	Sample Size Fraction	Ag ppm	Al ppm	As ppm	Ba ppm	Bi ppm	Ca ppm	Cd ppm	Cl ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe ppm	Hf ppm
UBS-061E	2766	<0.177mm	<LOD	9712.14	66.4	114.94	11.51	2058.73	<LOD	602.03	<LOD	95.77	<LOD	51.5	43104.45	<LOD
UBS-062E	2767	<0.177mm	<LOD	1679.73	44.7	71.41	13.06	2995.58	<LOD	554.7	203.64	114.12	<LOD	49.24	33607.17	<LOD
UBS-063E	2768	<0.177mm	<LOD	13647.09	49.41	41.6	21.06	949.16	<LOD	559.07	<LOD	51.56	<LOD	151.51	112371.68	<LOD
UBS-064E	2769	<0.177mm	<LOD	10218.79	33.07	47.51	10.61	2999.45	<LOD	560.73	<LOD	100.91	<LOD	29.52	35709.3	<LOD
UBS-065E	2770	<0.177mm	<LOD	5548.75	30.03	105.55	10.72	6948.25	<LOD	530.76	<LOD	91.91	<LOD	29.93	36807.54	<LOD
UBS-066E	2771	<0.177mm	<LOD	7287.33	39.54	<LOD	6.83	3537.81	<LOD	571.02	<LOD	107.24	<LOD	25.9	26942.63	<LOD
UBS-067E	2772	<0.177mm	<LOD	8284.48	277.83	112.33	20.45	5176.96	<LOD	471.87	<LOD	105.8	<LOD	52.61	61285.69	<LOD
UBS-068E	2773	<0.177mm	<LOD	12383.9	771.47	111.72	29.41	3571.87	<LOD	546.92	<LOD	115.33	<LOD	154.85	73927.95	<LOD
UBS-070E	2774	<0.177mm	<LOD	9610.14	880.75	110.35	32.09	13473.5	10.88	602.08	<LOD	43	<LOD	125.56	79530.47	<LOD
UBS-071E	2775	<0.177mm	<LOD	7981.21	112.14	130.37	9.51	4567.3	<LOD	560.81	<LOD	40.27	<LOD	29.84	28382.63	<LOD
UBS-072E	2776	<0.177mm	<LOD	10608.49	134.52	469.36	13.55	2588.38	<LOD	552	<LOD	71.17	<LOD	35.81	30555.53	<LOD

SampleID	Reading No.	Sample Size Fraction	Hg ppm	K ppm	Mg ppm	Mn ppm	Mo ppm	Nb ppm	Ni ppm	P ppm	Pb ppm	Pd ppm	Rb ppm	Re ppm	S ppm	Sb ppm
UBS-002E	2711	<0.177mm	<LOD	7492.05	<LOD	1329.82	2.53	18.67	<LOD	<LOD	18.31	<LOD	61.55	<LOD	<LOD	10.95
UBS-003E	2712	<0.177mm	<LOD	8872.57	<LOD	2234.08	3.37	16.52	<LOD	<LOD	85.79	<LOD	84.37	<LOD	<LOD	19.49
UBS-004E	2713	<0.177mm	<LOD	9008.92	<LOD	2116.58	<LOD	17.68	<LOD	<LOD	94.09	<LOD	56.19	<LOD	<LOD	14.3
UBS-005E	2714	<0.177mm	<LOD	6998.44	<LOD	2853.15	2.62	18.14	67.83	<LOD	233.25	<LOD	49.38	<LOD	<LOD	<LOD
UBS-006E	2715	<0.177mm	<LOD	13380.56	<LOD	2644.22	<LOD	16.06	79.02	<LOD	166.89	<LOD	63.36	<LOD	<LOD	13.08
UBS-007E	2716	<0.177mm	<LOD	4213.67	<LOD	9311.81	<LOD	<LOD	155.38	<LOD	544.05	<LOD	42.23	<LOD	<LOD	22.4
UBS-008E	2717	<0.177mm	<LOD	8921.22	<LOD	2163.65	<LOD	19.42	<LOD	<LOD	287.47	<LOD	54.39	<LOD	<LOD	27.35
UBS-009E	2718	<0.177mm	<LOD	11917.89	<LOD	1070.79	<LOD	18.14	<LOD	<LOD	33.87	<LOD	68.26	<LOD	<LOD	<LOD
UBS-010E	2719	<0.177mm	<LOD	8397.51	<LOD	185.49	2.26	17.2	<LOD	<LOD	6.19	<LOD	71.69	<LOD	<LOD	<LOD
UBS-011E	2720	<0.177mm	<LOD	7327.11	<LOD	310.16	<LOD	17.07	<LOD	<LOD	15.06	<LOD	58.48	<LOD	<LOD	<LOD
UBS-012E	2721	<0.177mm	<LOD	8261.88	<LOD	301.84	3.73	15.74	<LOD	<LOD	14.87	<LOD	64.01	<LOD	<LOD	11.08
UBS-013E	2722	<0.177mm	<LOD	8280.76	<LOD	181.2	<LOD	16.75	<LOD	<LOD	10.32	<LOD	80.13	<LOD	<LOD	<LOD
UBS-014E	2723	<0.177mm	<LOD	10169.79	<LOD	1922.56	<LOD	20.69	<LOD	<LOD	43.15	<LOD	79.4	<LOD	<LOD	18.56
UBS-015E	2724	<0.177mm	<LOD	8323.77	<LOD	621.87	2.74	17.88	<LOD	<LOD	15.65	<LOD	70.65	<LOD	<LOD	<LOD
UBS-016E	2725	<0.177mm	<LOD	9913.97	<LOD	1864.41	<LOD	19.61	71.72	<LOD	66.17	<LOD	85.79	<LOD	<LOD	45.47
UBS-017E	2726	<0.177mm	<LOD	10288.9	<LOD	1436.82	<LOD	20.32	<LOD	<LOD	21.05	<LOD	74.2	<LOD	<LOD	14.87
UBS-018E	2727	<0.177mm	<LOD	8222.33	<LOD	1257.61	2.11	19.41	<LOD	<LOD	16.82	<LOD	67.06	<LOD	<LOD	<LOD
UBS-019E	2728	<0.177mm	<LOD	9289.19	<LOD	1713.15	<LOD	17.92	<LOD	<LOD	13.62	<LOD	107.35	<LOD	<LOD	20.93
UBS-020E	2729	<0.177mm	<LOD	9088.61	<LOD	1754.91	<LOD	18.94	<LOD	<LOD	8.47	<LOD	101.79	<LOD	<LOD	24.2
UBS-021E	2730	<0.177mm	<LOD	9692.47	<LOD	1806.56	<LOD	17.09	<LOD	<LOD	7.04	<LOD	99.74	<LOD	<LOD	17.64
UBS-022E	2732	<0.177mm	<LOD	8058.37	<LOD	1313.67	<LOD	15.59	<LOD	<LOD	14.28	<LOD	99.84	<LOD	<LOD	14.04
UBS-026E	2731	<0.177mm	<LOD	7399.52	<LOD	201.39	<LOD	9.75	<LOD	<LOD	12.99	<LOD	47.08	<LOD	<LOD	<LOD
UBS-027E	2733	<0.177mm	<LOD	7976.51	<LOD	4470.02	2.53	21.9	89.29	<LOD	50.95	<LOD	64.27	<LOD	<LOD	11.62
UBS-028E	2734	<0.177mm	<LOD	10983.25	<LOD	7581.06	2.64	24.06	35.27	<LOD	187.62	<LOD	72.01	<LOD	<LOD	13.2
UBS-029E	2735	<0.177mm	<LOD	7466.34	<LOD	9276.88	2.74	22.18	129.15	<LOD	82.41	<LOD	71.8	<LOD	<LOD	<LOD
UBS-030E	2736	<0.177mm	<LOD	11914.81	<LOD	12732.79	<LOD	18.41	128.64	<LOD	61.01	<LOD	89.78	<LOD	<LOD	<LOD
UBS-031E	2737	<0.177mm	<LOD	9430.31	<LOD	11332.84	<LOD	17.53	162.61	<LOD	1022.28	<LOD	80.92	<LOD	378.29	18.46

SampleID	Reading No.	Sample Size Fraction	Hg ppm	K ppm	Mg ppm	Mn ppm	Mo ppm	Nb ppm	Ni ppm	P ppm	Pb ppm	Pd ppm	Rb ppm	Re ppm	S ppm	Sb ppm
UBS-032E	2738	<0.177mm	<LOD	7240.12	<LOD	4166.89	<LOD	19.57	95.22	<LOD	203.82	<LOD	55.62	<LOD	<LOD	<LOD
UBS-033E	2739	<0.177mm	<LOD	10037.86	<LOD	6100.86	<LOD	16.34	110.02	<LOD	98.19	<LOD	78.6	<LOD	<LOD	<LOD
UBS-034E	2740	<0.177mm	<LOD	9036.31	<LOD	5814.43	<LOD	19.04	87.24	<LOD	115.87	<LOD	79.36	<LOD	<LOD	<LOD
UBS-036E	2741	<0.177mm	<LOD	9041.16	<LOD	1517.19	<LOD	12.78	<LOD	<LOD	467.29	<LOD	68.73	<LOD	<LOD	19.7
UBS-037E	2742	<0.177mm	<LOD	11130.06	<LOD	187.6	<LOD	14.53	<LOD	<LOD	29.14	<LOD	82.11	<LOD	<LOD	<LOD
UBS-038E	2743	<0.177mm	<LOD	12879.64	<LOD	<LOD	<LOD	12.79	<LOD	<LOD	29.88	<LOD	84.01	<LOD	<LOD	<LOD
UBS-039E	2744	<0.177mm	<LOD	9422.95	<LOD	283.21	<LOD	12.56	<LOD	<LOD	29.81	<LOD	80.81	<LOD	<LOD	<LOD
UBS-040E	2745	<0.177mm	<LOD	11815.51	<LOD	<LOD	2.06	11.75	<LOD	<LOD	18.77	<LOD	86.28	<LOD	<LOD	<LOD
UBS-041E	2747	<0.177mm	<LOD	8719.01	<LOD	<LOD	<LOD	16.55	<LOD	<LOD	10.88	<LOD	126.86	<LOD	<LOD	<LOD
UBS-042E	2746	<0.177mm	<LOD	7483.68	<LOD	241.4	<LOD	21.47	<LOD	<LOD	14.69	<LOD	186.73	<LOD	<LOD	<LOD
UBS-043E	2748	<0.177mm	<LOD	9311.05	<LOD	230.75	<LOD	24.46	<LOD	<LOD	18.28	<LOD	258.64	<LOD	<LOD	<LOD
UBS-044E	2749	<0.177mm	<LOD	10437.14	<LOD	260.5	<LOD	25.88	<LOD	<LOD	16.22	<LOD	243.61	<LOD	<LOD	<LOD
UBS-045E	2750	<0.177mm	<LOD	12222.42	<LOD	469.06	<LOD	23.73	<LOD	<LOD	32.35	<LOD	257.48	<LOD	<LOD	<LOD
UBS-046E	2751	<0.177mm	<LOD	6887.64	<LOD	12305.06	8.84	24.39	78.36	<LOD	2036.78	<LOD	100.7	<LOD	339.05	<LOD
UBS-047E	2752	<0.177mm	<LOD	7419.23	<LOD	410.48	2.08	17.75	<LOD	<LOD	71.82	<LOD	123.73	<LOD	<LOD	<LOD
UBS-048E	2753	<0.177mm	<LOD	8608.56	<LOD	398.62	<LOD	18.25	<LOD	<LOD	23.46	<LOD	95.33	<LOD	<LOD	<LOD
UBS-049E	2754	<0.177mm	5.67	15504.82	<LOD	298.84	<LOD	16.21	<LOD	<LOD	12.23	<LOD	68.58	<LOD	<LOD	<LOD
UBS-050E	2755	<0.177mm	<LOD	7812.48	<LOD	475.91	<LOD	16.75	<LOD	<LOD	17.48	<LOD	109.93	<LOD	<LOD	<LOD
UBS-051E	2756	<0.177mm	<LOD	6829.67	<LOD	2325.08	<LOD	18.51	<LOD	<LOD	31.38	<LOD	116.91	<LOD	<LOD	<LOD
UBS-052E	2757	<0.177mm	<LOD	8996.59	<LOD	3835.13	3.65	19.86	79.53	<LOD	147.96	<LOD	96.15	<LOD	<LOD	<LOD
UBS-053E	2758	<0.177mm	<LOD	11243.34	<LOD	213.79	2	17.16	<LOD	<LOD	26.66	<LOD	100.82	<LOD	<LOD	14.78
UBS-054E	2759	<0.177mm	<LOD	7135.63	<LOD	<LOD	<LOD	13.67	<LOD	<LOD	16.19	<LOD	60.3	<LOD	<LOD	<LOD
UBS-055E	2760	<0.177mm	<LOD	7506.57	<LOD	164.45	2.22	14.63	<LOD	<LOD	14.03	<LOD	68.46	<LOD	<LOD	<LOD
UBS-056E	2761	<0.177mm	<LOD	6105.7	<LOD	<LOD	<LOD	15.43	<LOD	<LOD	12.5	<LOD	37.07	<LOD	<LOD	<LOD
UBS-057E	2762	<0.177mm	<LOD	7942.57	<LOD	227.68	<LOD	13.57	<LOD	<LOD	11.19	<LOD	66.38	<LOD	<LOD	<LOD
UBS-058E	2763	<0.177mm	<LOD	9781.11	<LOD	324.43	<LOD	17.31	<LOD	<LOD	10.69	<LOD	93.24	<LOD	<LOD	<LOD
UBS-059E	2764	<0.177mm	<LOD	11479.2	<LOD	970.94	<LOD	20.52	55.92	<LOD	4.83	<LOD	109.69	<LOD	<LOD	24.49

SampleID	Reading No.	Sample Size Fraction	Hg ppm	K ppm	Mg ppm	Mn ppm	Mo ppm	Nb ppm	Ni ppm	P ppm	Pb ppm	Pd ppm	Rb ppm	Re ppm	S ppm	Sb ppm
UBS-060E	2765	<0.177mm	<LOD	8846.38	<LOD	804.37	<LOD	18.52	<LOD	<LOD	13.81	<LOD	60.99	<LOD	<LOD	<LOD
UBS-061E	2766	<0.177mm	<LOD	8583.46	<LOD	1144.93	<LOD	19.05	<LOD	<LOD	11.12	<LOD	59.46	<LOD	<LOD	<LOD
UBS-062E	2767	<0.177mm	<LOD	11127.7	<LOD	712.64	<LOD	20	<LOD	<LOD	16.31	<LOD	58.49	<LOD	<LOD	<LOD
UBS-063E	2768	<0.177mm	<LOD	9475.8	<LOD	593.04	<LOD	22.86	<LOD	<LOD	40.66	<LOD	47.06	<LOD	<LOD	<LOD
UBS-064E	2769	<0.177mm	<LOD	14013.54	<LOD	289.56	<LOD	16.31	<LOD	<LOD	8.8	<LOD	65.94	<LOD	<LOD	<LOD
UBS-065E	2770	<0.177mm	<LOD	11222.36	<LOD	528.45	<LOD	16.3	<LOD	<LOD	8.86	<LOD	58.99	<LOD	<LOD	<LOD
UBS-066E	2771	<0.177mm	<LOD	11559.88	<LOD	321.41	<LOD	18.31	<LOD	<LOD	5.1	<LOD	56.18	<LOD	<LOD	<LOD
UBS-067E	2772	<0.177mm	<LOD	15430.67	<LOD	595.01	2.75	20.08	62.01	<LOD	29.89	<LOD	75.28	<LOD	<LOD	<LOD
UBS-068E	2773	<0.177mm	<LOD	12127.03	<LOD	2179.16	4.29	24.81	<LOD	<LOD	32.5	<LOD	74.12	<LOD	152.7	14.77
UBS-070E	2774	<0.177mm	<LOD	10794.34	<LOD	4051.48	<LOD	20.51	86.15	<LOD	53.2	<LOD	94.48	<LOD	99.58	<LOD
UBS-071E	2775	<0.177mm	<LOD	11069.46	<LOD	1124.21	<LOD	15.42	<LOD	<LOD	21.36	<LOD	70.76	<LOD	<LOD	<LOD
UBS-072E	2776	<0.177mm	<LOD	14320.75	<LOD	822.71	<LOD	16.42	<LOD	<LOD	19.41	<LOD	78.06	<LOD	<LOD	<LOD

SampleID	Reading No.	Sample size Fraction	Sc ppm	Se ppm	Si ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
UBS-002E	2711	<0.177mm	30.26	<LOD	17695.16	<LOD	61.8	<LOD	<LOD	14.27	4572.18	<LOD	347.07	25.08	118.49	190.23
UBS-003E	2712	<0.177mm	52.21	<LOD	20884.33	23.6	47.61	<LOD	<LOD	39.92	3994.84	<LOD	327.03	<LOD	750.6	195.48
UBS-004E	2713	<0.177mm	48.92	<LOD	16893.2	<LOD	64.45	<LOD	<LOD	18.07	4380.56	<LOD	345.13	39.06	540.16	184.98
UBS-005E	2714	<0.177mm	30.91	<LOD	18171.44	<LOD	63.25	<LOD	<LOD	21.52	4017.96	<LOD	313.52	<LOD	863.69	193.49
UBS-006E	2715	<0.177mm	34.89	<LOD	19830.86	<LOD	56.72	<LOD	<LOD	10.57	5665.8	<LOD	435.89	37.13	435.6	165.73
UBS-007E	2716	<0.177mm	299.43	<LOD	13145.69	<LOD	74.68	<LOD	<LOD	<LOD	2201.84	<LOD	53.07	899.22	5879.91	<LOD
UBS-008E	2717	<0.177mm	69.78	<LOD	23037.74	<LOD	41.87	<LOD	<LOD	15.2	6294.11	<LOD	446.67	<LOD	697.87	164.7
UBS-009E	2718	<0.177mm	<LOD	<LOD	21266.77	<LOD	65.51	<LOD	<LOD	13.41	5386.2	<LOD	360.23	27.34	170.95	191.97
UBS-010E	2719	<0.177mm	<LOD	<LOD	34763.77	<LOD	43.78	<LOD	<LOD	14.69	2871.64	5.27	58.26	<LOD	96.51	201.69
UBS-011E	2720	<0.177mm	<LOD	<LOD	30643.22	<LOD	36.43	<LOD	<LOD	14.8	4194.89	<LOD	348.53	29.42	173.81	188.52
UBS-012E	2721	<0.177mm	29.88	<LOD	33136.3	<LOD	42.33	<LOD	<LOD	20.06	4162.76	<LOD	354.85	22.99	146.14	168.13
UBS-013E	2722	<0.177mm	<LOD	<LOD	20594.82	<LOD	40.03	<LOD	<LOD	16.96	3046.06	<LOD	286.06	<LOD	74.54	171.42
UBS-014E	2723	<0.177mm	33.99	<LOD	21462.05	<LOD	42.8	<LOD	<LOD	23.54	4491.39	<LOD	384.3	25.78	251.75	197.82
UBS-015E	2724	<0.177mm	<LOD	<LOD	32399.4	<LOD	51.37	<LOD	<LOD	20.13	3416.82	5.72	285.4	33.74	126.82	188.6
UBS-016E	2725	<0.177mm	45.43	<LOD	26661.06	11.12	43.11	<LOD	<LOD	21.19	4372.4	7.45	367.29	44.6	390.53	163.28
UBS-017E	2726	<0.177mm	<LOD	<LOD	34453.48	<LOD	52.05	<LOD	<LOD	21.21	3907.64	9.03	341.3	44.62	111.21	198.09
UBS-018E	2727	<0.177mm	<LOD	<LOD	18702.25	<LOD	58	<LOD	<LOD	18.47	3153.57	9.64	259.68	<LOD	89.74	204.94
UBS-019E	2728	<0.177mm	<LOD	<LOD	26288.38	<LOD	52.66	<LOD	<LOD	21.54	3928.64	<LOD	369.25	<LOD	114.2	181.11
UBS-020E	2729	<0.177mm	<LOD	<LOD	24530.62	<LOD	47.95	<LOD	<LOD	20.14	3979.53	<LOD	368.12	<LOD	118.89	180.77
UBS-021E	2730	<0.177mm	<LOD	<LOD	38234.13	<LOD	41.4	<LOD	<LOD	20.13	4395.79	<LOD	383.64	<LOD	113.48	167.42
UBS-022E	2732	<0.177mm	33.21	<LOD	21376.38	<LOD	39.02	<LOD	<LOD	18.28	4007	<LOD	348.04	<LOD	105.11	141.87
UBS-026E	2731	<0.177mm	<LOD	<LOD	25907.48	<LOD	25.96	<LOD	<LOD	13.62	2254.89	<LOD	220.39	<LOD	61.84	141.15
UBS-027E	2733	<0.177mm	140.11	<LOD	25237.23	16.21	47.72	<LOD	<LOD	20.62	4982.19	9.49	352.81	59.51	964.41	181.55
UBS-028E	2734	<0.177mm	71.91	<LOD	36396.79	33.62	41.32	<LOD	<LOD	22.18	5704.26	<LOD	411.57	69.72	2080.98	188.66
UBS-029E	2735	<0.177mm	147.79	<LOD	42789.3	25.53	38.6	<LOD	<LOD	22.17	4796.06	12.52	382.96	48.36	1865.52	170.08
UBS-030E	2736	<0.177mm	267.75	<LOD	45696.86	19.43	75.46	<LOD	<LOD	20.51	4435.95	<LOD	494.84	39.27	1573.32	127.99
UBS-031E	2737	<0.177mm	222.3	<LOD	37704.66	57.47	35.73	<LOD	<LOD	34.37	3921.39	13.75	116.41	<LOD	1137.49	86.85
UBS-032E	2738	<0.177mm	105.61	<LOD	32185.57	<LOD	57.31	<LOD	<LOD	22.17	3981.25	12.79	342.93	47.65	887.34	160.94

SampleID	Reading No.	Sample size Fraction	Sc ppm	Se ppm	Si ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
UBS-033E	2739	<0.177mm	236.84	<LOD	18180.5	<LOD	66.5	<LOD	<LOD	25.02	2495.84	15.27	303.09	37.06	870.73	100.98
UBS-034E	2740	<0.177mm	159.3	<LOD	33261.76	14.13	43.12	<LOD	<LOD	31.93	2980.62	9.35	328.96	40.4	1124.89	115.21
UBS-036E	2741	<0.177mm	<LOD	<LOD	24620.6	<LOD	55.6	<LOD	<LOD	52.8	3335	7.36	313.37	<LOD	712.97	233.41
UBS-037E	2742	<0.177mm	<LOD	<LOD	44669.48	<LOD	46.27	<LOD	<LOD	14.24	2606.24	<LOD	253.34	<LOD	93.76	156.52
UBS-038E	2743	<0.177mm	<LOD	<LOD	23478.74	<LOD	41.28	<LOD	<LOD	13.35	1841.97	<LOD	234.18	19.73	101.13	126.8
UBS-039E	2744	<0.177mm	<LOD	<LOD	29811.62	<LOD	38.9	<LOD	<LOD	22.14	1826.53	<LOD	229.09	<LOD	94.35	129.55
UBS-040E	2745	<0.177mm	<LOD	<LOD	44359.14	<LOD	35.75	<LOD	<LOD	15.3	1428.91	7.55	182.17	<LOD	77.52	113.79
UBS-041E	2747	<0.177mm	<LOD	<LOD	30090.13	15.77	33.32	<LOD	<LOD	14.49	2153.65	6.52	197.14	<LOD	47.56	118.57
UBS-042E	2746	<0.177mm	<LOD	<LOD	40947	32.83	30.92	<LOD	<LOD	11.61	2144.27	<LOD	174.66	<LOD	57.85	114.74
UBS-043E	2748	<0.177mm	<LOD	<LOD	23844.47	60.87	14.94	<LOD	<LOD	15.38	661.22	<LOD	18.71	<LOD	61.45	48.13
UBS-044E	2749	<0.177mm	<LOD	<LOD	31381.85	78.62	13.78	<LOD	<LOD	13.61	605.38	10.35	26.19	<LOD	85.51	42.09
UBS-045E	2750	<0.177mm	<LOD	<LOD	33468.42	29.53	13.45	<LOD	<LOD	20.32	861.96	14.8	44.08	<LOD	140.28	66.74
UBS-046E	2751	<0.177mm	80.88	<LOD	25543.76	90.11	31.51	<LOD	<LOD	166.32	2413.86	85.53	319.97	<LOD	22790.43	97.11
UBS-047E	2752	<0.177mm	<LOD	<LOD	18724.63	30.16	32.01	<LOD	<LOD	19.63	2219.45	<LOD	74.38	21.59	655.43	126.59
UBS-048E	2753	<0.177mm	<LOD	<LOD	24972.9	31.74	47.41	<LOD	<LOD	14.14	3468.53	7.33	245.74	37.36	235.84	194.86
UBS-049E	2754	<0.177mm	<LOD	<LOD	51045.13	<LOD	85.21	<LOD	<LOD	11.21	3661.56	<LOD	94.7	<LOD	135.45	181.85
UBS-050E	2755	<0.177mm	<LOD	<LOD	14966.11	10.16	67	<LOD	<LOD	15.51	2632.46	8.1	81.66	<LOD	156.78	172.39
UBS-051E	2756	<0.177mm	71.19	<LOD	16095.89	25.22	60.47	<LOD	<LOD	12.37	4487.66	<LOD	383.29	30.83	440.27	163.21
UBS-052E	2757	<0.177mm	<LOD	<LOD	34959.41	41.49	39.22	<LOD	<LOD	19.22	4333.84	7.71	369.37	51.51	1138.27	171.29
UBS-053E	2758	<0.177mm	<LOD	<LOD	41635.68	<LOD	30.4	<LOD	<LOD	28.54	3034.21	9.13	304.41	29.03	150.78	149.32
UBS-054E	2759	<0.177mm	<LOD	<LOD	28000.14	<LOD	22.48	<LOD	<LOD	18.56	2216.14	<LOD	230.63	<LOD	123.82	152.91
UBS-055E	2760	<0.177mm	<LOD	<LOD	26471.51	<LOD	32.36	<LOD	<LOD	16.12	2514.29	<LOD	84.8	<LOD	88.35	152.15
UBS-056E	2761	<0.177mm	<LOD	<LOD	43503.43	<LOD	31.73	<LOD	<LOD	16.38	3216.78	<LOD	275.62	<LOD	65.68	171.26
UBS-057E	2762	<0.177mm	<LOD	<LOD	18737.82	<LOD	27.09	<LOD	<LOD	20.73	2556.21	<LOD	231.9	27.39	69.28	140.27
UBS-058E	2763	<0.177mm	<LOD	<LOD	49287.99	<LOD	36.36	<LOD	<LOD	18.09	3440.17	<LOD	271.89	<LOD	91.27	166.06
UBS-059E	2764	<0.177mm	<LOD	<LOD	41731.04	<LOD	30.98	<LOD	<LOD	24.2	4675.15	<LOD	410.57	36.97	91.02	150.77
UBS-060E	2765	<0.177mm	<LOD	<LOD	25619.72	<LOD	71.11	<LOD	<LOD	15.13	4053.94	6.21	298.9	<LOD	87.36	220.58
UBS-061E	2766	<0.177mm	<LOD	<LOD	39230.61	<LOD	65.9	<LOD	<LOD	15.85	4656.34	<LOD	338.56	<LOD	86.33	191.74

SampleID	Reading No.	Sample size Fraction	Sc ppm	Se ppm	Si ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
UBS-062E	2767	<0.177mm	<LOD	<LOD	21025.21	<LOD	107.59	<LOD	<LOD	16.38	4632.21	<LOD	108.19	<LOD	75.64	225.51
UBS-063E	2768	<0.177mm	<LOD	<LOD	47570.82	<LOD	73.3	<LOD	<LOD	24.36	6771.93	6.74	501.16	43.97	124.49	155.14
UBS-064E	2769	<0.177mm	<LOD	<LOD	38448.36	<LOD	91.51	<LOD	<LOD	13.61	3518.08	<LOD	273.57	25.04	69.35	153.17
UBS-065E	2770	<0.177mm	49.72	<LOD	31246.89	<LOD	86.98	<LOD	<LOD	14.34	3591.47	<LOD	259.14	23.55	69.56	164.26
UBS-066E	2771	<0.177mm	<LOD	<LOD	35733.5	<LOD	76.61	<LOD	<LOD	10.93	3921.51	<LOD	251.17	<LOD	61.97	175.44
UBS-067E	2772	<0.177mm	<LOD	<LOD	40125.66	<LOD	97.73	<LOD	<LOD	24.62	3036.59	6	330.93	<LOD	101.34	118.93
UBS-068E	2773	<0.177mm	29.02	<LOD	68429.41	<LOD	44.3	<LOD	<LOD	31.31	5340.12	6.88	367.28	66.37	414.79	182.8
UBS-070E	2774	<0.177mm	105.4	3.42	55548.43	38.41	48.42	<LOD	<LOD	33.73	4988.24	<LOD	357.13	163.23	890.28	192.36
UBS-071E	2775	<0.177mm	<LOD	<LOD	60049.75	<LOD	71.85	<LOD	<LOD	14.42	3365.99	5.06	307.2	<LOD	122.04	188.63
UBS-072E	2776	<0.177mm	<LOD	<LOD	75914.99	<LOD	81.72	<LOD	<LOD	17.32	3637.42	<LOD	316.99	<LOD	104.3	202.76