## Maiden Mineral Resource Estimate of 880,000 tonnes of contained Alumina at the Lake Hope High Purity Alumina (HPA) Project, WA

- A maiden mineral resource of 3.5 million tonnes at 25.1% alumina ($Al_2O_3$) for a contained 880,000 tonnes of alumina has been defined at the Lake Hope HPA Project in WA.

- 88% of the resource, or about 775,000 tonnes of alumina, is in the higher confidence Indicated Resource category.

- Impact aims to bring Lake Hope into production to deliver high-margin end-products into a rapidly expanding global market with current prices for benchmark 4N HPA (99.99% $Al_2O_3$) and related products of about US$20,000 per tonne.

- The unique geological properties of the Lake Hope deposit will allow for a shallow, very low-cost, free-digging operation only one to two metres deep and with offsite metallurgical processing at an established industrial site.

- Previous bench-scale metallurgical test work has produced HPA from representative lake clays via a disruptive sulphuric acid hydrometallurgical process likely to be cost-competitive with other producers and developers in Australia and globally.

- The proposed operation will have a small environmental footprint and low carbon emissions.

- Impact will continue to focus its immediate activities on completing the Scoping Study, lodgement of a Mining Lease Application in Q3 2023 and the continuation of a Pre-Feasibility Study, which includes more comprehensive metallurgical test work and baseline environmental studies.

- An initial heritage survey with the Ngadju First Nations group will commence in late June-early July.

Impact Minerals Limited (ASX:IPT) is pleased to announce a significant, substantial and high-grade maiden Mineral Resource Estimate (MRE) for its flagship Lake Hope High Purity Alumina (HPA) Project located about 500 km east of Perth in Western Australia. Impact has the right to earn an 80% interest in Playa One Pty Ltd, owner of the Lake Hope Project, via an incorporated joint venture (Figure 1 and ASX Release 21st March 2023).

Impact Minerals' Managing Director, Dr Mike Jones, said, *"This large and high-grade alumina resource will underpin our quest to become one of the world's lowest-cost producers of High Purity Alumina over the next few years. This unique resource could provide multi-decade delivery of a mineral product recently added to Australia's Critical Mineral list.*

*The resource allows us to now finish our Scoping Study which will demonstrate the economics of the project and be a catalyst for Impact to lodge a Mining Lease Application in the next Quarter. The Pre-Feasibility Study also continues apace with metallurgical test work, environmental baseline studies in progress, and a heritage survey with the Ngadju First Nations group to be completed in July. We continue our rapid journey to low-cost production in the quickly expanding, high-margin HPA business where current benchmark prices for 99.99% purity alumina or so-called 4N HPA, are currently in the region of US$20,000 per tonne".*

The Mineral Resource, 88% of which is in the higher confidence category of Indicated Resources, lies within a unique deposit of high-grade alumina (aluminium oxide, $Al_2O_3$) hosted by extremely fine-grained evaporite and clay minerals in the top two metres of two small dry salt lakes in the Lake Hope playa system (West Lake and East Lake, Figure 2 and ASX Release 21st March 2023).

The Mineral Resource Estimate is shown in Table 1 and is reported in accordance with the requirements of the JORC Code 2012 by resource consultants H and S Consultants Pty Ltd (H&SC) of Brisbane, Queensland. All drill hole information and assay data are provided in Appendices 1 and 2.

| Category | Million tonnes | Alumina % | $Al_2O_3$ Tonnes |
|---|---|---|---|
| West Lake | | | |
| Indicated | 2.09 | 25.5% | 534,600 |
| Inferred | 0.23 | 23.2% | 52,300 |
| Total | 2.32 | 25.3% | 586,900 |
| East Lake | | | |
| Indicated | 1.10 | 24.8% | 273,400 |
| Inferred | 0.08 | 24.1% | 19,400 |
| Total | 1.18 | 24.8% | 292,800 |
| Combined | | | |
| Indicated | 3.19 | 25.3% | 808,000 |
| Inferred | 0.31 | 23.4% | 71,700 |
| Total | 3.50 | 25.1% | 879,700 |

**Table 1.** Lake Hope Alumina Mineral Resources

The alumina block grade distribution for the two Mineral Resources is shown in Figure 2. The grade increases towards the centre of the lakes, and this offers an opportunity for preferential mining of the higher-grade material in the early stages of any future mine development.

## Planned Production of High Purity Alumina

Playa One has developed a novel, relatively low-cost hydro-metallurgical process to convert alumina mineralisation of a type as found on Lake Hope into High Purity Alumina (HPA) with the potential to produce a purity exceeding 99.99%, (so-called 4N HPA), generally taken as the industry standard purity for product comparison. (ASX Release 21st March 2023).

Impact's review of this novel process indicates that, together with the unique physical and chemical characteristics of the Lake Hope clays, the entire project may offer a breakthrough in the cost of HPA production and be potentially cheaper than other HPA ores such as kaolin or feldspar.

Initial and unoptimised recoveries from the bench scale test work of the process suggest that a significant proportion of the alumina resource at Lake Hope may be converted to HPA. Optimisation of the process is a key focus of the Pre-Feasibility Study currently in progress (ASX Release 6th April 2023).

Impact will also own a proportional share of the processing technology by earning an interest directly in Playa One Pty Limited via an incorporated joint venture. Further details on the joint venture are provided at the end of the report.

Other advantages of the Lake Hope Project which indicate the potential for low-cost production of HPA include (ASX Release 21st March 2023):

- The naturally occurring and homogeneous micron-sized particles in the clay, which can be mined by free-digging and will require no comminution, grinding, classification, or wet-dry screening.
- The clay can be dug up and trucked to an off-site processing facility, likely to be in either Kalgoorlie or Perth where permitting will more straightforward (Figure 1)
- A simple wash and filtration circuit is all that is required for upfront processing.
- A low-temperature sulphuric acid leach can be used which is a generally readily available and is a cheaper acid than others.
- The sulphuric acid leach also eliminates the front-end energy-intensive calcination required in the kaolin hydrochloric acid leach process, thus significantly reducing energy costs, flow sheet complexity and $CO_2$ emissions.

## Next Steps

In order to accelerate the development timeline for Lake Hope, a Scoping Study and Pre-Feasibility Study (PFS) on Lake Hope are being run in tandem. The Scoping Study, to be completed in the third Quarter of 2023, will comprise high-level assumptions about the economic potential of the project based on the new resource, mining studies, preliminary metallurgical recoveries and likely offtake prices.

The PFS, which will be completed in mid-2024 will be based on more detailed studies which are in progress (ASX Release 6th April 2023). This work includes metallurgical optimisation test work, baseline flora, fauna and groundwater surveys, and geotechnical, logistics and freight studies.

As part of the PFS, an initial cultural and heritage survey with the Ngadju First Nations group will be completed in early July. This is a key part of the process to allow Impact to lodge its first ever Mining Lease Application over Lake Hope in the next Quarter.
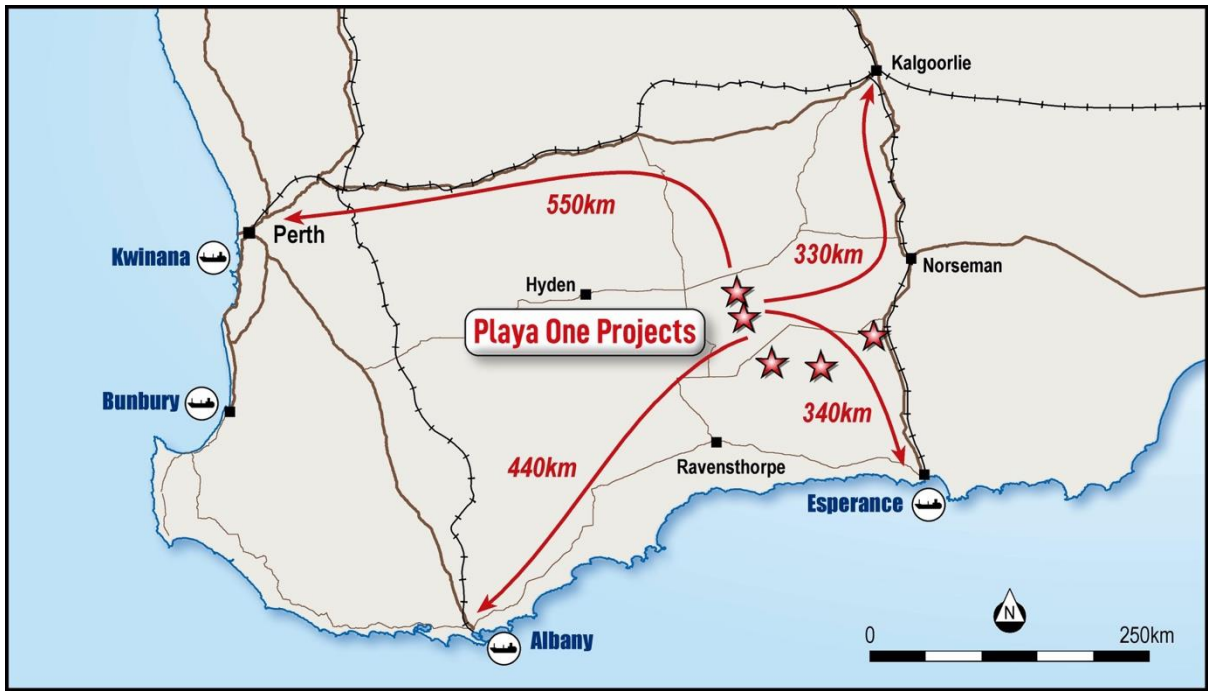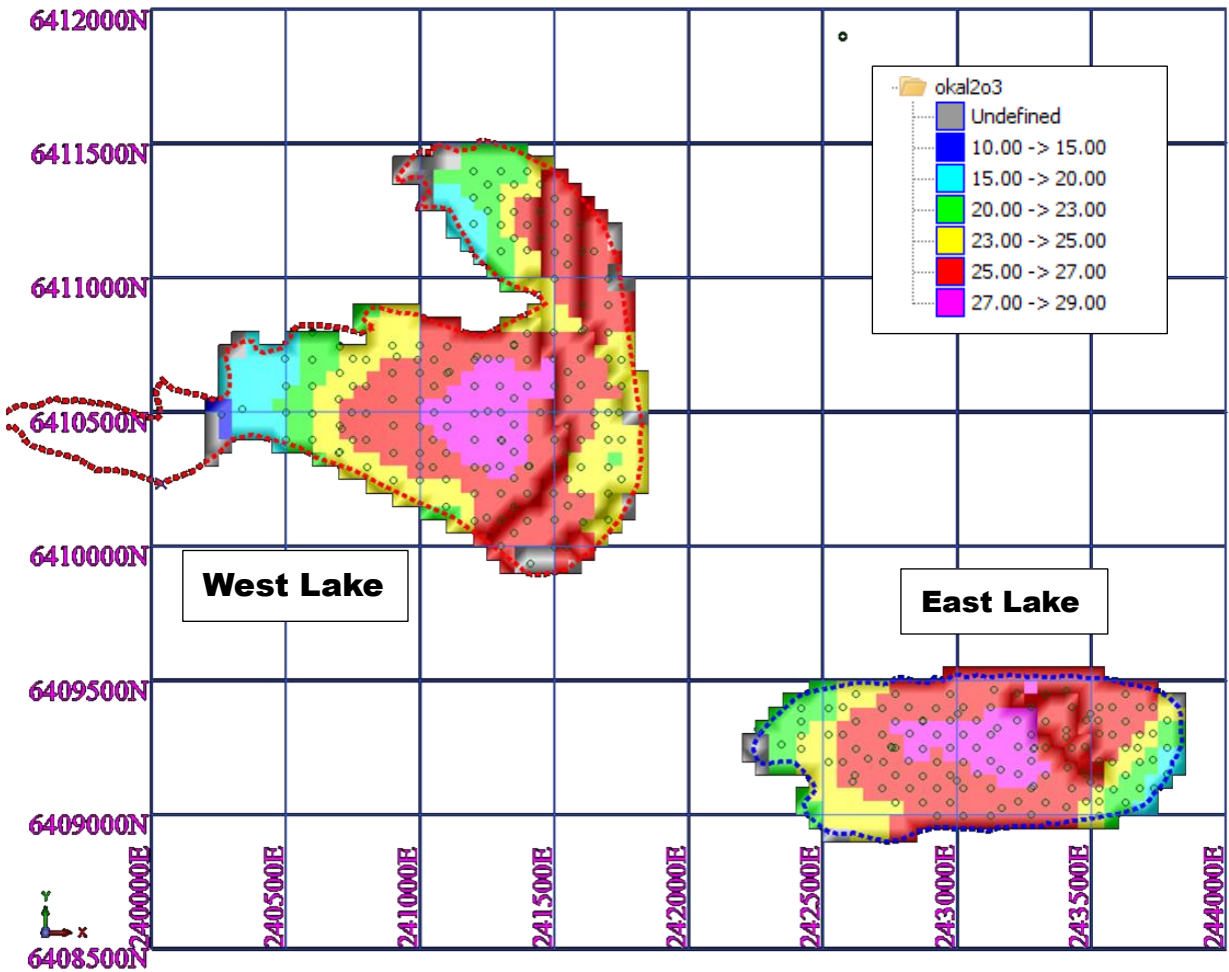
Figure 1. Location of Lake Hope Project E63/2086



Figure 2. Percentage (%) Alumina Block Grade Distribution for the Lake Hope Mineral Resources (drill hole collars shown as circles).

# About the Lake Hope Resource

A summary of the material information used to estimate the resource as required by ASX Listing Rule 5.8.1 is provided below, with further information given in the JORC Table, Sections 1, 2 and 3.

## Drilling Techniques

The resource was defined by 254 short, vertical drill holes (for 264.9 metres) drilled on a nominal 100 metre by 100 metre grid. Of these, 174 holes (for 215.67m) were drilled by a 70 mm screw hand auger and 80 holes were drilled using a 50 mm or 65 mm PVC push-tube hammered into the lake clays (Figure 3). Sample recovery was at least 95% and sample quality is considered good to excellent.



**Figure 3**. Lake Hope showing the push tube sampling method and an example of the lake clay from the push tube.

A further 48 in-fill push tube holes were also completed but the assays were received after the resource was estimated. There is good agreement between these assays and the values in other drill holes in the same resource blocks. These assays have not been included in the resource as they will not add materially to the contained alumina. The results are reported here for completeness (Appendix 1 and 2).

All holes were visually logged at 5-10cm intervals for colour, mineralogy, grain size, moisture content and plasticity.

## Sampling and Sub-sampling Techniques

Sampling was on a nominal 0.5m interval or by geological contacts, with the core cut by a knife or simply broken by hand. The samples contained little moisture with a consistency similar to hard plasticine.

The entirety of all samples was sent for analysis at Intertek laboratories in Perth, WA where they were dried and coarse crushed to 1 mm diameter, with a 300g split pulverised to 80% passing 75 microns to ensure sample homogenisation.

Screening was deemed unnecessary as 100% of the sample particles are <100 microns as established by laser particle sizing (ASX Release 21st March 2023). All mineralised clay can be included in the metallurgical process without physical screening.

Field duplicates for the auger drilling involved sampling one side of the screw thread (50% of the sample). For the push tube drilling, selected cores were cut in half (along the long core axis) with a knife to produce a field duplicate sample.

## Sample Analysis Method

Samples were assayed for 16 elements using a lithium borate fusion and XRF quantification via the FB1/XRF10 or FB1/XRF30 method. Calculated oxide values included $Al_2O_3$ (alumina), $CaO$, $Fe_2O_3$, $K_2O$, $MnO_2$, $Na_2O$, $P_2O_5$, $SiO_2$, $SO_3$ and $TiO_2$ together with Loss on Ignition (LOI).

X-Ray Diffraction analysis for mineralogical species was completed at Intertek Mineralogy with a variety of sulphate and clay ore minerals identified with lesser quartz and minor feldspar, mica and opaline silica.

QAQC data was limited to nine standards and 15 field duplicate samples. Laboratory performance for standards was acceptable for most major elements, with Loss On Ignition and silica exceeding the published values slightly. Duplicates showed acceptable deviance for 13 of the 15 duplicates (+/- 10%).

One auger hole from the East Lake was twinned with a push tube hole with acceptable agreement for the alumina grade.

The QAQC programme included the use of sample weights for sample recovery for most auger holes. There is no relationship between alumina grade and sample recovery. Umpire lab checks for the analytical results are in progress.

## Database

Data was collated by Impact from hardcopy logging sheets into Excel, prior to validation and import into Impact's DataShed database.

The drilling data was supplied to H&SC as a series of CSV files for further validation in MSAccess and Surpac which included manual checking of logging codes for consistency, plausibility of drill hole trajectories and assay grades.

## Geology and Geological Interpretation

The alumina mineralisation occurs within very fine-grained, unconsolidated flat-lying lake sediments that are up to 2 metres thick and directly overlie weathered granite. The mineralisation extends throughout the lake clays and is also flat-lying and up to 2 metres thick. A 3D wireframe model was constructed from the drill hole data with north-south oriented cross sections produced every 50 metres for both the West Lake and East Lake. The mineralisation shows very good geological continuity.

A single mineral zone was defined for each the two deposits using a nominal basal $Al_2O_3$ cut-off grade of 20% and geological logging in conjunction with assays for $SiO_2$, $K_2O$, $Fe_2O_3$ and $SO_3$. The boundaries of the mineralisation are well defined by drilling and by the lake edge as defined by satellite imagery.

Dimensions for the two mineral zones are listed below and shown in plan view in Figure 2.

- West Lake: areal extent 1.6 km by 1.6 km with an average thickness from the sampling of 0.95 metres, maximum depth is 1.6m and a surface area of 1.33 million $m^2$.
- East Lake: areal extent 1.6 km by 0.6 km with an average thickness from the sampling of 0.98 metres, maximum depth is 2.0m and a surface area of 0.76 million $m^2$.

## Estimation Methodology

H&SC used the Ordinary Kriging estimation technique on drillhole composites loaded into a 3D block model.  The mineral zone was treated as a hard boundary during the estimation process and composites were generated using the 'best fit' option in Surpac.

A total of 251 and 212 composites, for West Lake and East Lake respectively, of nominal 0.5m length were used to estimate the contained $Al_2O_3$ for the mineralised lake clays.  No top cuts were applied to the data due to an absence of extreme values and low coefficients of variation for the modelled element.

2D variography in the X (E-W) and Y (N-S) directions was performed for all composite data for both deposits.  Grade continuity for alumina was reasonable for the West Lake and modest for the East Lake because of a zone of slightly lower grade in the middle of the lake.

Grade interpolation used an expanding 3D search pass strategy with search parameters that accounted for the geometry of the mineralisation, the drill spacing and the $Al_2O_3$ variography. Modelling consisted of one set of three horizontal search passes.  The minimum search used was 180 metres by 180 metres (X & Y) and 0.5m (Z) expanding to 360 metres by 360 metres by 1 metre.  The minimum number of composite data points was 8 samples for Passes 1 and 2 decreasing to a minimum of 4 data for Pass 3.  The maximum extrapolation of the estimates is 360 metres and the maximum number of composite data points is 20.

Block dimensions are 50 metres by 50 metres in the X and Y directions with 0.75 metres in the Z direction.  No sub-blocking was considered necessary with the Mineral Resources reported using a partial percent volume adjustment generated by the mineral wireframes.  The X- and Y-axis dimensions were chosen based on the 100m spaced drilling, the Z dimension was a function of the composite data length.  Block discretisation was set to 5 x 5 x 2 (X, Y and Z respectively).

Metal grades were estimated in 3D using Ordinary Kriging (GS3M software) with the grades loaded into a Surpac mining software 3D block model for validation and resource reporting.

No assumptions were made regarding the recovery of any by-products.  No deleterious elements have been factored in. No production has taken place, so no reconciliation data is available.

Tonnages are estimated on a dry weight basis.  Moisture was determined by the laboratory using gravimetric methods to determine weight loss on drying the samples at $105^oC$ for 12 hours. 27 samples weighing between 20g and 80g were collected with an average moisture content of 27.4%.

A default density of $1.85/m^3$ was used for reporting tonnages for the Mineral Resources.  Density was derived from 21 core samples and 36 surface pit samples which were dried and then sealed in wax. Density measurement was by the weight in air/weight in water method (Archimedes Principle).

The final block model was validated by H&SC using a variety of histograms, gridded seam models and summary statistics as well as a visual review. They concluded that the block model fairly represents the alumina grades observed in the drill holes.

## Classification Criteria

Resource classification is based primarily on the drill hole spacing with consideration of other factors such as grade continuity (the variography), the geological model, density data, sample recoveries, QAQC data and an assumption of open pit mining.  The relatively close spaced drilling, the reasonable variography, the low level of QAQC data, sample recoveries and metallurgical test work lead to the estimation results for Passes 1 and 2 being classed as Indicated Resources.  Results for Pass 3 are used to allocate Inferred Resources.

## Cut-off Grades

The reported Mineral Resources are constrained to the mineral wireframe with a partial percent volume adjustment for the block in contact with the wireframe.  No cut-off grade was applied to the Mineral Resources, although the mineral wireframe had been designed to a nominal 20% $Al_2O_3$ cut-off.  The lack of an actual cut-off grade at which the resource is quoted reflects an intended bulk-mining approach of the entire wireframed extent of the mineralisation.

## Mining, Metallurgical and Environmental Assumptions

It is envisaged that the deposit, which will be free-digging and require no crushing or screening, will be bulk mined in an open pit using a track mounted scraper or grader removing modest increments of material every 3 to 5 years.  Track mounted trucks will be used to remove the mineralisation from mined areas to ROM stockpiles.  The model block size (50 m by 50 m) is effectively the minimum mining dimension for this estimate.  Any internal dilution has been factored in with the modelling and as such is appropriate to the block size.

The raw lake clay will be transported to an offsite processing facility, likely to be an industrial yard in either Kalgoorlie or Perth. Processing will comprise a simple wash and filter circuit to recover the lake clays which will then be subject to low temperature roasting, crystallisation and purification. It is assumed that there will be no significant problems in generating a HPA product and no penalty elements have been identified thus far.

The area lies within flat terrain with broad watercourses and dry bed lakes.  The landscape also comprises sand dunes up to ~10m height, but with low relief.  Vegetation comprises eucalyptus marri scrub to 12m height, heath, and scrub, with significant gum trees around the eastern dune areas, typical for that part of Western Australia.

The groundwater in the lake is naturally hypersaline and acidic and the lake clay is a nett acid generating material. The intention is to line the ROM pads with an impermeable membrane such that all run off will be collected and returned to the lake surface.  There are large flat areas available adjacent to the lake for ROM pad construction that have limited or no native vegetation. Preliminary desktop studies have not identified any protected or rare species of flora or fauna in the area. Detailed baseline environmental field studies will commence later in 2023.

An initial Heritage Survey is planned for late June-early July 2023.

## Reasonable Prospects for Eventual Economic Extraction

Impact considers that work to date indicates that the Mineral Resource at Lake Hope has a reasonable prospect of eventual economic extraction (RPEEE). This includes:

- Alumina of 99.99% purity (HPA) has been produced from the representative material via the proprietary sulphuric acid metallurgical process (ASX Release 21st March 2023).
- The HPA produced meets available chemical purity specifications for a range of end uses and it is assumed that it may eventually be sold.
- No fatal deleterious elements have been identified within the mineralisation, mineral resource or HPA product.
- The proposed mining process is a low-risk, low cost free-dig, open pit truck and shovel operation.
- Initial economic modelling shows the proposed metallurgical processing and mining method could be profitable based on preliminary process modelling and various assumptions applicable to the data available.
- The Mineral Resource is of a sufficient size that the proposed mining rates are capable of being sustained for a sufficient length of time, potentially more than 20 years, to allow economic extraction.
- No impediment is anticipated to extraction exists from cultural, heritage or environmental considerations.

Insufficient technical and economic study work has been completed to define any ore reserves.

# About the Lake Hope Project

The Lake Hope Project covers numerous prospective salt lakes between Hyden and Norseman in southern Western Australia, a Tier One jurisdiction (Figure 1). It comprises one granted exploration licence (E63/2086), covering the Lake Hope deposits already discovered, together with five further exploration licence applications (ELA63/2317, 2318 and 2319, and ELA74/673 and 764) which are poorly explored. The tenements cover about 238 km$^2$ and are all 100% owned by Playa One Pty Limited.

Impact has the right to earn an interest in the company Playa One Pty Limited as follows (ASX Releases 1st and 4th May 2023):

1. Upon completion of a PFS, Impact can enter an incorporated joint venture with the Playa One shareholders (through an entity representing them, Playa Two Pty Ltd). If so, it will acquire an immediate 80% interest in Playa One by issuing, subject to shareholder approval, up to 120 million fully paid ordinary shares capped at a maximum value of $8 million (based on the 5-day VWAP before the election) to the Playa One Shareholders.

2. Upon completion of a Definitive Feasibility Study to be sole-funded by Impact, subject to shareholder approval, Impact will issue up to 100 million fully paid ordinary shares capped at a maximum value of $10 million (based on the 5-day VWAP before the ASX announcement of the completion of the DFS) to the Playa One Shareholders.

3. Playa One shareholders will be free-carried to a Decision to Mine. Impact will maintain all Playa One tenements in good standing during this time.

4. If a Decision to Mine is made, the Playa One Shareholders may contribute to mine development costs or be diluted. If their interest falls below 7.5%, it will convert to a 2% net smelter royalty.

This announcement has been approved for release to the ASX by Dr Michael Jones, the Managing Director of Impact Minerals Limited.

Dr Michael G Jones
Managing Director

Impact Minerals Limited Interactive Investor Hub
Engage with us directly by asking questions, watching video summaries, and seeing what other shareholders have to say about this and past announcements at our Investor Hub  https://investors.impactminerals.com.au/welcome

# JORC Code, 2012 Edition – Table 1

## Section 1 Sampling Techniques and Data

| Criteria | JORC Code 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.<br><br>• Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.<br><br>• Aspects of the determination of mineralisation that are Material to the Public Report.<br><br>• Description of 'industry standard' work | • Mineralisation comprises light brown to light grey, dense, plasticine-consistency salt<br><br>• The salt is a nanometre sized colloidal precipitate of various sulphates, clays and silica<br><br>• Sampling comprised two methods: hand auger drilling and push-tube drilling<br><br>• Samples were generally of 0.5m in length (generally 3-4kg in weight) or under geological control, with the whole sample bagged in plastic bags sealed with cable ties.<br><br>• Sample preparation and analysis was completed at a commercial laboratory (Intertek WA) using industry standard practices.<br><br>• Mineralisation comprises a flat-lying evaporitic lake sequence and is bound by the margins of the lake by sand dunes |
| **Drilling techniques** | • Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc). | • Auger drilling using a 70mm hand auger with spoon bit within dry clay horizons. 174 holes.<br><br>• Auger samples recovered by removing cut salt clay from the drill bit<br><br>• Push tube drilling using 55mm and 65mm PVC tubes hammered into salt. 122 holes.<br><br>• Samples recovered from push tubes by hammering or cutting the salt interval out of the tube.<br><br>• Core is unoriented |
| **Drill sample recovery** | • Method of recording and assessing core and chip sample recoveries and results assessed.<br><br>• Measures taken to maximise sample recovery and ensure representative nature of the samples.<br><br>• 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. | • Auger sample quality is considered good based on visual observation of salt consistency, moisture, and recovery.<br><br>• Auger sample recovery was observed to be good to excellent with limited effects of excess moisture.<br><br>• Core recovery for Push tube sample is based on measurement of the material in the Perspex tube compared to hole depth. Measured vs recovered length was near 100% in all cases.<br><br>• The push tube method is considered more appropriate for the type of deposit.<br><br>• Qualitative auger recovery data precludes observing any relationship between metal grade and recovery for this method |
| **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.<br><br>• Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.<br><br>• The total length and percentage of the relevant intersections logged. | • 100% of holes logged visually on 5-10cm increments for colour, grain size, moisture and stiffness.<br><br>• Mineralogy is impossible to determine visually .<br><br>• Photography of intact core specimens exists for 40 holes. For push tube holes where core was not intact enough to be meaningful, no photos were taken.<br><br>• Photographs of 168 of 254 holes were taken.<br><br>• Logging is qualitative in nature as the grain size is too fine to allow visual identification of mineralogy even under hand lens or electron microscope .<br><br>• X-ray diffraction analysis was undertaken on 100 samples. XRD was used to infer mineralogical composition to a minimal level of confidence and infer mineral percentages for samples via regression of XRF assays. |
| **Sub-sampling techniques and sample preparation** | • If core, whether cut or sawn and whether quarter, half or all core taken.<br><br>• If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry. | • 0.5m sampling intervals were utilised where practicable<br><br>• Whole core sample intervals were submitted for analysis<br><br>• Samples were dried, crushed to 1mm and then riffle split to give a 300g sub sample that was then pulverised to 80% passing 75 microns, which homogenised the clay. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | • *For all sample types, the nature, quality and appropriateness of the sample preparation technique.*<br><br>• *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.*<br><br>• *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.*<br><br>• *Whether sample sizes are appropriate to the grain size of the material being sampled.* | • Limited pulverising QAQC has been undertaken to ensure laboratory homogenisation of the samples.<br><br>• No wet samples were encountered. Most samples would be classed as moist clay.<br><br>• Sample preparation techniques are considered appropriate.<br><br>• 49 Field duplicates were taken. For auger drilling this involved sampling 50% to each duplicate from the opposite sides of the auger. A video is available to show this process. For the push tube drilling, cores were cut in half with a knife to produce a duplicate of the sample.<br><br>• Sample sizes are appropriate to grain size of the material being sampled |

| Criteria | JORC Code 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.*<br><br>• *For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.*<br><br>• *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.* | • Samples were assayed via lithium borate fusion and XRF quantification via FB1/XRF10 or FB1/XRF30. The technique is considered a total digest technique.<br><br>• The assay method is considered appropriate for the material and elements reported<br><br>• Samples were assayed by laser sizer, reporting 100% of particles <16 microns. Scanning electron microscope imagery demonstrates particle sizes of 40-300 nanometres. Laser sizing is considered incapable of adequately measuring the natural particle sizes.<br><br>• Ten pulps were assayed for specific gravity via gas pycnometer<br><br>• 34 solid clay samples from test pitting were measured for SG via wax immersion, with a minimum SG of 1.83<br><br>• Moisture content was measured by LOD/GR1 on 34 solid mud samples obtained by test pitting, and 90 clay sub-samples, showing an average moisture content of 27%<br><br>• 23 field duplicate samples were assayed (3% of sample population). Duplicates showed acceptable deviance for 23 of the 25 duplicates (+/- 10%).<br><br>• No CRMs exist which are an exact matrix match for the lake clays. Bauxite and iron ore CRM's were used to check laboratory $Al_2O_3$ performance.<br><br>• Five replicates of Bauxite Certified Reference Material GBAP-16 were inserted blindly in the sample runs. Laboratory performance was within published ranges for all elements except Loss On Ignition and $SiO_2$.<br><br>• Four replicates of Iron Ore standard GIOP-128 were assayed, with results within acceptable parameters.<br><br>• Internal laboratory checks included assaying of internal standards, duplicates, and blanks.<br><br>• Laboratory assays of GBAP-16 were within range of company supplied GBAP-16 CRMs.<br><br>• Laboratory performance of blanks were acceptable.<br><br>• Laboratory duplicates were within acceptable variability. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| **Verification of sampling and assaying** | • *The verification of significant intersections by either independent or alternative company personnel.*<br>• *The use of twinned holes.*<br>• *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.*<br>• *Discuss any adjustment to assay data.* | • Mike Jones MD of Impact made two visits to site to review the drilling and core samples.<br>• No independent verification has been completed.<br>• 2 auger holes were twinned by push tube holes and are comparable in grade for the same sample interval.<br>• Twelve auger holes were twinned by push tube and were similar in grade, with minor variation (~1-2% $Al_2O_3$)<br>• Discrepancies between assay averages of auger and push tube holes are considered related to drilling method as well as assay methodology.<br>• Drill holes were logged in the field on 5-10cm basis with data recorded into a notebook and transcribed into digital format.<br>• Data is stored in a Datashed relational database and is backed up physically and virtually.<br>• No adjustments to primary assay data haves been made except for MnO% which is below detection limit.<br>• Where an assay is below detection limit a value of ½ of the lower detection limit is used. |
| **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.*<br>• *Specification of the grid system used.*<br>• *Quality and adequacy of topographic control.* | • 272 of 307 auger holes and push tube holes surveyed by LJ21 RTK DGPS to 0.03m triaxial accuracy<br>• 35 push tube and auger holes surveyed by handheld GPS to +/-3m accuracy<br>• No downhole surveys were undertaken. Holes are vertical and generally <2m long ie minimum chance of significant deviation.<br>• Datum is MGA 2020 Zone 51 South<br>• Topographic control is based on the DGPS measurements but it should be noted that the mineralisation is a lake deposit and therefore can be considered almost flat.<br>• A centimetre resolution digital terrain model of the entire tenement has been completed |
| **Data spacing and distribution** | • *Data spacing for reporting of Exploration Results.*<br>• *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.*<br>• *Whether sample compositing has been applied.* | • Spacing is a nominal offset 100m x 100m grid<br>• Downhole sampling is generally 0.5m<br>• No sample composites were collected for primary assays.<br>• The observed logging demonstrates excellent continuity of mineralisation between adjacent holes<br>• Continuity is sufficient to support reporting of a Mineral Resource |
| **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.*<br>• *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.* | • *Vertical drilling of flat lake beds results in orthogonal penetration angle*<br>• *Down hole widths are true widths, and therefore no sampling bias has been introduced.* |
| **Sample security** | • *The measures taken to ensure sample security.* | • Samples were sealed in individually numbered plastic bags with zip ties<br>• Where necessary plastic bags were packed in polyweave sacks and sealed with a zip tie<br>• Samples were delivered to the laboratory directly by company personnel to ensure complete chain of custody |
| **Audits or reviews** | • *The results of any audits or reviews of sampling techniques and data.* | • No audits or reviews of sampling techniques and data have been completed. |

## Section 2 Reporting of Exploration Results

Criteria listed in the preceding section also apply to this section

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| **Mineral tenement and land tenure status** | • *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.*<br>• *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.* | • E63/2086 Lake Hope<br>• E63/2317<br>• E63/2318<br>• E63/2319<br>• E64/673<br>• E64/674<br>• 100% Playa One Pty Ltd<br>• Native Title Agreements are in place with Native Title parties<br>• No known impediment to exploitation is known<br>• No national parks, nature reserves or other licenses interact with E63/2086 |
| **Exploration done by other parties** | • *Acknowledgment and appraisal of exploration by other parties.* | • Nil |
| **Geology** | • *Deposit type, geological setting and style of mineralisation.* | • Evaporite salt deposit<br>• Salt lakes within evaporitic basins within the granite terrane of the Yilgarn Craton, Western Australia<br>• Lacustrine evaporite sulphate salts hosted within flat-lying sheet deposits |
| **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:*<br>• *easting and northing of the drill hole collar*<br>• *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*<br>• *dip and azimuth of the hole*<br>• *down hole length and interception depth and hole length.*<br>• *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.* | • All drill hole information is included in Appendix 1<br>• All sample assay information is provided in Appendix 2 |
| **Data aggregation methods** | • *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.*<br>• *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.*<br>• *The assumptions used for any reporting of metal equivalent values should be clearly stated.* | • Intersections containing multiple samples are weighted by length into a total intersection.<br>• No lower cut-off grade as it is possible all of the material can be mined.<br>• No upper cut-off is used as the material is homogeneous with no extreme values |

# Section 3 Estimation and Reporting of Mineral Resources

Criteria listed in the preceding section also apply to this section

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| **Database integrity** | • *Measures taken to ensure that data has not been corrupted by, for example, transcription or keying errors, between its initial collection and its use for Mineral Resource estimation purposes.* | • Data collated by Impact from hardcopy logging as a series of Excel spreadsheets.<br>• Logging data is validated by Impact's database manager and then imported into the Impact DataShed database.<br>• Responsibility for the data resides with Impact.<br>• Data supplied to H&SC as a series of CSV files for collars, surveys, alteration, lithology, assays (XRF & XRD) and density.<br>• H&SC has compiled an MSAccess database for the Lake Hope deposits that was then linked to the Surpac mining software for further work.<br>• Database checks completed by H&SC include:<br>  o Data was imported into an MSAccess database with indexed fields, including checks for duplicate entries, unusual assay values and missing data.<br>  o Additional error checking using the Surpac database audit option for incorrect hole depth, sample/logging overlaps and missing downhole surveys.<br>  o Manual checking of logging codes for consistency, plausibility of drill hole trajectories and assay grades. Modifications made to lithology codes for easier use in interpretation.<br>• Assessment of the data confirms that it is suitable for resource estimation. |
| **Site visits** | • *Comment on any site visits undertaken by the Competent Person and the outcome of those visits.*<br><br>• *If no site visits have been undertaken indicate why this is the case.* | • Roland Gotthard, Consultant Geologist & Project Manager for Impact completed numerous site visits, undertook and supervised the logging and sampling, and all geological mapping.<br>• No site visit to the project was completed by H&SC due to time and budgetary constraints. |
| **Geological Interpretation** | • *Confidence in (or conversely, the uncertainty of) the geological interpretation of the mineral deposit.*<br>• *Nature of the data used and of any assumptions made.*<br>• *The effect, if any, of alternative interpretations on Mineral Resource estimation.*<br>• *The use of geology in guiding and controlling Mineral Resource estimation.* | • Interpretation of the drillhole database allowed for the generation of 3D mineral constraining solids on 50m spaced N-S sections for both West Lake and East Lake deposits.<br>• Definition of the wireframes was relatively straightforward with snapping of strings to drillholes at the appropriate downhole position allowing for a reasonable level of confidence.<br>• A single mineral zone was defined for each deposit using the lake surface boundary and the geological logging of alunite in conjunction with $Al_2O_3$, $SiO_2$, $K_2O$, $Fe_2O_3$ and $SO_3$ grades plus geological sense eg tapering margins. A nominal 20% $Al_2O_3$ was used to define the base of mineralisation.<br>• A 2D digital plan outline of the two lake deposits was taken from Impact's geological mapping and used to constrain the mineral wireframe.<br>• The drilling has generally reached the base of mineralisation. Some of the earlier holes stopped short of the mineral base. An occasional drillhole has terminated in granitic alunite material.<br>• Where the base of mineralisation was not necessarily intersected in the drilling the interpreted basal surface was horizontally extrapolated from nearby holes which had passed through the mineralisation.<br>• The basic geological model of a flat lying stratiform lake bed deposit appears to be reasonable and appropriate for resource estimation.<br>• Alternative interpretations are possible for the mineral zone definition but are unlikely to significantly affect the estimates.<br>• The style of mineralisation and the orebody type means there is a strong horizontal control to the alunite grade & geological continuity. |
| **Dimensions** | • *The extent and variability of the Mineral Resource expressed as length (along strike or otherwise), plan width,* | • Mineralisation is flat lying.<br>• Mineral dimensions are: |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | *and depth below surface to the upper and lower limits of the Mineral Resource.* | <ul><li>○ West Lake : areal extent 1.6km by 1.6km with an average thickness from the sampling of 0.95m, maximum depth is 1.6m and a surface area of 1.33Mm2.</li><li>○ East Lake : areal extent 1.6km by 0.6km with an average thickness from the sampling of 0.98m, maximum depth is 2.0m and a surface area of 0.76Mm2.</li></ul><ul><li>Mineralisation is exposed at surface.</li></ul> |
| ***Estimation and modelling techniques*** | <ul><li>*The nature and appropriateness of the estimation technique(s) applied and key assumptions, including treatment of extreme grade values, domaining, interpolation parameters and maximum distance of extrapolation from data points. If a computer assisted estimation method was chosen include a description of computer software and parameters used.*</li></ul> | <ul><li>The estimation technique employed by H&SC for both deposits was a standard 3D block model with Ordinary Kriging of composited assay data.</li><li>Surpac mining software was used for the geological interpretation, compositing and the block model validation and reporting. The variography and Ordinary Kriging were completed using H&SC's in-house GS3M software.</li><li>A nominal 0.5m composite interval was employed, generated using the mineral wireframe and the 'best fit' option in Surpac (considerably reduces the number of residual samples). The mineral zone was treated as a hard boundary during estimation.</li><li>Al2O3 was modelled separately for both lake deposits.</li><li>H&SC considers the Ordinary Kriging technique to be an appropriate estimation technique for this type of mineralisation based on visual observations of the drilling data and the outcomes from the summary statistics for the composite data.</li><li>No top cuts were applied to the data due to an absence of extreme values and low coefficients of variation for the modelled elements.</li><li>A total of 251 and 212 composites, for the West Lake and East Lake respectively, of variable length were used to estimate the mineralised lake sediments.</li><li>Domaining was limited to the 3D outline of the mineral zone.</li><li>No assumptions were made regarding the recovery of any by-products.</li><li>2D variography in the X (E-W) and Y (N-S) directions was performed using the composite data. Grade continuity was reasonable for the West Lake and modest to weak for the East Lake.</li><li>Drill holes are spaced on a relatively regular grid with a nominal spacing of 100m by 100m.</li><li>Block dimensions are 50m by 50m in the X & Y directions with 0.75m in the Z direction. No sub-blocking was considered necessary with the Mineral Resources reported using a partial percent volume adjustment generated by the mineral wireframes.</li><li>The X- and Y-axis dimensions were chosen based on the 100m spaced drilling. Discretisation was set to 5 x 5 x 2 (X, Y & Z respectively).</li><li>Grade interpolation used an expanding 3D search pass strategy with the search parameters taking in the geometry of the mineralisation, the drill spacing and the variography. Modelling consisted of one set of 3 search passes. The minimum search used was 150m by 150m (X & Y) and 0.5m (Z)and expanding in 150m increments to 600m by 600m. The minimum number of data was 6 samples for Pass 1 decreasing to a minimum of 1 data for Pass 6. The search orientations were horizontal in keeping with the geometry of the mineralisation.</li><li>The maximum extrapolation of the estimates is 360m.</li><li>The estimation procedure was reviewed as part of an internal H&SC peer review.</li><li>No deleterious elements have been factored in.</li><li>The final block model was reviewed visually by H&SC and it was concluded that the block model fairly represents the grades observed in the drill holes. H&SC also validated the block model statistically using a variety of histograms and summary statistics.</li></ul> |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | | • Initial resource models using the gridded seam technique were completed for both the West and East Lake deposits. prior to the supply of the 2023 drilling data. The East Lake gridded seam model showed no significant difference with the current model on account of the new drilling being infill drilling. The West Lake gridded seam model indicated a very similar grade to the current model with the larger size of the current model due to a new area to the north being drilled, plus increased depths due to the new infill drilling.<br>• Validation confirmed the modelling strategy as acceptable with no significant issues.<br>• No production has taken place so no reconciliation data is available. |
| Moisture | • Whether the tonnages are estimated on a dry basis or with natural moisture, and the method of determination of the moisture content. | • Tonnages are estimated on a dry weight basis.<br>• Moisture was determined by using the laboratory process LOD105/SG Loss on drying at 105oC for 12 hours.<br>• 27 samples weighing between 20 and 80g were collected with an average moisture content of 27.4% |
| Cut-off parameters | • The basis of the adopted cut-off grade(s) or quality parameters applied. | • The reported Mineral Resources are constrained to the mineral wireframe with a partial percent volume adjustment for the block in contact with the wireframe.<br>• No cut-off grade was applied, although the mineral wireframe had been designed to a nominal 20% Al2O3 cut off.<br>• The Mineral Resources are reported to a maximum depth of 1.8m below surface as part of the consideration for "reasonable prospects for eventual of economic extraction".<br>• The lack of a cut-off grade at which the resource is quoted reflects an intended bulk-mining approach. |
| Mining factors or assumptions | • Assumptions made regarding possible mining methods, minimum mining dimensions and internal (or, if applicable, external) mining dilution. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential mining methods, but the assumptions made regarding mining methods and parameters when estimating Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the mining assumptions made. | • H&SC's understanding is that the deposits will be mined using a bulk mining open pit scenario.<br>• Mining method, as advised by Impact, is likely to be a track mounted scraper or grader with a low ground bearing capacity, removing modest increments of material (up to 25cm or so) on a 3-5 year campaign strategy. Track mounted trucks will be used to remove the mineralisation from mined area.<br>• The model block size (50m by 50m) is the effective minimum mining dimension for this estimate.<br>• Any internal dilution has been factored in with the modelling and as such is appropriate to the block size.<br>• Groundwater impacts can be managed. |
| Metallurgical factors or assumptions | • The basis for assumptions or predictions regarding metallurgical amenability. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential metallurgical methods, but the assumptions regarding metallurgical treatment processes and parameters made when reporting Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the metallurgical assumptions made. | • XRD mineralogy has identified sulphates and clay minerals as the major minerals present with localised accumulations of silica, generally on the periphery of the deposit. Other minor mineral components include opaline silica, feldspar and mica.<br>• H&SC's understanding is that the mined material will be subject to a standard processing technique for this type of commodity and deposit.<br>• A simple wash and filtering to recover the ore minerals will be followed by a low temperature roasting, crystallisation and purification.<br>• No screening of quartz is necessary as the grain size of the material is 100% <16 microns for the vast majority of the lake mud.<br>• It is assumed that there will be no significant problems in generating a High Purity Alumina product.<br>• No penalty elements have been identified in the work so far. |
| Environmental factors or assumptions | • Assumptions made regarding possible waste and process residue disposal options. It is always necessary as part | • The landscape comprises sand dunes up to ~10m height, with low relief.<br>• The area lies within flat terrain with broad watercourses |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | *of the process of determining reasonable prospects for eventual economic extraction to consider the potential environmental impacts of the mining and processing operation. While at this stage the determination of potential environmental impacts, particularly for a greenfields project, may not always be well advanced, the status of early consideration of these potential environmental impacts should be reported. Where these aspects have not been considered this should be reported with an explanation of the environmental assumptions made.* | and dry bed lakes.<br>• Vegetation comprises eucalyptus marri scrub to 12m height, heath, and scrub, with significant gum trees around the eastern dune areas, typical of that part of Western Australia.<br>• The mud itself is a nett acid generating material so preventative measures will have to be employed to control any acid mine drainage.<br>• The groundwater is naturally hypersaline and acidic and will require appropriate management.<br>• There are large flat areas for tailings and ROM pad development. |
| **Bulk density** | • *Whether assumed or determined. If assumed, the basis for the assumptions. If determined, the method used, whether wet or dry, the frequency of the measurements, the nature, size and representativeness of the samples.*<br>• *The bulk density for bulk material must have been measured by methods that adequately account for void spaces (vughs, porosity, etc.), moisture and differences between rock and alteration zones within the deposit.*<br>• *Discuss assumptions for bulk density estimates used in the evaluation process of the different materials.* | • Density data was supplied as a series of selected samples.<br>• Density was measured by three methods, the last two are considered appropriate for the deposit type:<br>• Air pycnometer: indicated higher than expected results attributable to bioturbation effects from insect life.  Results discounted.<br>• Individual push tube samples ranging between 30 and 70 cm long. Inside diameter of tube known (volume), weight of sample is known therefore density can be calculated. A total of 21 samples were collected with an average of 1.85t/m3 for the West Lake and 2.01 t/m3 for the East Lake. Overall average is 1.93t/m3.<br>• Small scale surface pitting produced 36 'sample cubes' from the top 20cm of each lake. Density was determined using the weight in air-weight in water method (Archimedes Principle) on waxed sealed samples.  Average value for the West Lake was 1.87t/m3 (26 samples) and 1.80t/m3 for the East Lake (10 samples). Overall average 1.85t/m3.<br>• A default density of 1.85/m3 was used for reporting tonnages for the Mineral Resources. |
| **Classification** | • *The basis for the classification of the Mineral Resources into varying confidence categories.*<br>• *Whether appropriate account has been taken of all relevant factors (i.e. relative confidence in tonnage/grade estimations, reliability of input data, confidence in continuity of geology and metal values, quality, quantity and distribution of the data).*<br>• *Whether the result appropriately reflects the Competent Person's view of the deposit.* | • Mineral Resources have been classified on sample spacing, grade continuity, QAQC and geological understanding.<br>• All other relevant factors have been taken into consideration eg drilling methods, density data, topography etc.<br>• Estimation search passes 1 and 2 are classed as Indicated Resources whilst pass 3 is used to allocate Inferred Resources.<br>• The classification appropriately reflects the Competent Person's view of the deposit. |
| **Audits or reviews** | • *The results of any audits or reviews of Mineral Resource estimates.* | • No audits completed.<br>• The estimation procedure has been reviewed as part of an internal H&SC peer review including check models. |
| **Discussion of relative accuracy/ confidence** | • *Where appropriate a statement of the relative accuracy and confidence level in the Mineral Resource estimate using an approach or procedure deemed appropriate by the Competent Person. For example, the application of statistical or geostatistical procedures to quantify the relative accuracy of the resource within stated confidence limits, or, if such an approach is not deemed appropriate, a qualitative discussion of the factors that could affect the relative accuracy and confidence of the estimate.* | • The relative accuracy and confidence level in the Mineral Resource estimates are considered to be in line with the generally accepted accuracy and confidence of the nominated Mineral Resource categories.  This has been determined on a qualitative, rather than quantitative, basis, and is based on the Competent Person's experience with similar deposits.<br>• The geological nature and interpretation of the deposit, the grade interpolation technique, the composite/block grade comparison (block model validation) and the modest coefficients of variation lend themselves to a reasonable level of confidence in the resource estimates.<br>• The Mineral Resource estimates are considered to be reasonably accurate globally, but there is some uncertainty |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | • *The statement should specify whether it relates to global or local estimates, and, if local, state the relevant tonnages, which should be relevant to technical and economic evaluation. Documentation should include assumptions made and the procedures used.*<br><br>• *These statements of relative accuracy and confidence of the estimate should be compared with production data, where available.* | in the local estimates due to the current drillhole spacing, which may not pick up some small scale clustering of grade and/or localised domains of different grade.<br>• No mining of the deposit has taken place so no production data is available for comparison. |

**Appendix 1**

**Drill Hole Information**

| Hole_ID | Hole_Type | Max_Depth | NAT_East | NAT_North | NAT_RL | Collar_Azimuth | Collar_Dip |
|---------|-----------|-----------|----------|-----------|--------|----------------|------------|
| LHA001 | AUG | 1.5 | 243498 | 6409123 | 309 | 270 | -90 |
| LHA002 | AUG | 1 | 243672 | 6409248 | 309 | 270 | -90 |
| LHA003 | AUG | 1 | 243499 | 6409375 | 309 | 270 | -90 |
| LHA004 | AUG | 1 | 243286.1 | 6409244.85 | 308.99 | 270 | -90 |
| LHA005 | AUG | 1 | 243005 | 6409374 | 309 | 270 | -90 |
| LHA006 | AUG | 1 | 242752 | 6409252 | 309 | 270 | -90 |
| LHA007 | AUG | 1 | 242997 | 6409125 | 309 | 270 | -90 |
| LHA008 | AUG | 1.5 | 240744.03 | 6410497.89 | 309.36 | 270 | -90 |
| LHA009 | AUG | 1.5 | 240998.47 | 6410296.23 | 309.37 | 270 | -90 |
| LHA010 | AUG | 1.5 | 240989.15 | 6410695.96 | 309.39 | 270 | -90 |
| LHA011 | AUG | 1.85 | 243781.71 | 6409151 | 309.15 | 270 | -90 |
| LHA012 | AUG | 1.7 | 243781.82 | 6409248.64 | 309.06 | 270 | -90 |
| LHA013 | AUG | 1.7 | 243782.07 | 6409349.12 | 309.04 | 270 | -90 |
| LHA014 | AUG | 1.7 | 243628.9 | 6409447.14 | 309.06 | 270 | -90 |
| LHA015 | AUG | 1.7 | 243629.38 | 6409346.75 | 309.06 | 270 | -90 |
| LHA016 | AUG | 1.65 | 243629.32 | 6409247.12 | 309.04 | 270 | -90 |
| LHA017 | AUG | 1.7 | 243629.16 | 6409146.89 | 309.05 | 270 | -90 |
| LHA018 | AUG | 0.7 | 243629.33 | 6409045.59 | 309.05 | 270 | -90 |
| LHA019 | AUG | 1.65 | 243581.48 | 6409092.49 | 309.04 | 270 | -90 |
| LHA020 | AUG | 1.7 | 243580.48 | 6409194.36 | 309.02 | 270 | -90 |
| LHA021 | AUG | 1.7 | 243578.85 | 6409297.41 | 309.02 | 270 | -90 |
| LHA022 | AUG | 1.7 | 243578.82 | 6409398.23 | 309.04 | 270 | -90 |
| LHA023 | AUG | 2 | 243527.63 | 6409348.79 | 309.06 | 270 | -90 |
| LHA024 | AUG | 1.6 | 240696.45 | 6410346.92 | 309.39 | 270 | -90 |
| LHA025 | AUG | 1.65 | 243529.53 | 6409147.71 | 309.04 | 270 | -90 |
| LHA026 | AUG | 1.6 | 243531 | 6409047.82 | 309.04 | 270 | -90 |
| LHA027 | AUG | 1.5 | 243429.2 | 6409097.59 | 309.03 | 270 | -90 |
| LHA028 | AUG | 1.55 | 243428.78 | 6409248.92 | 309.02 | 270 | -90 |
| LHA029 | AUG | 1.6 | 243428.18 | 6409400.22 | 309.02 | 270 | -90 |
| LHA030 | AUG | 1.55 | 243328.67 | 6409447.94 | 309.02 | 270 | -90 |
| LHA031 | AUG | 1.75 | 243327.98 | 6409348.17 | 309.01 | 270 | -90 |
| LHA032 | AUG | 1.5 | 243330.7 | 6409246.93 | 308.99 | 270 | -90 |
| LHA033 | AUG | 1.5 | 243329.64 | 6409145.39 | 309.01 | 270 | -90 |
| LHA034 | AUG | 1 | 243328.96 | 6409045.61 | 309.01 | 270 | -90 |
| LHA035 | AUG | 1.7 | 243276.15 | 6409399.86 | 308.99 | 270 | -90 |
| LHA036 | AUG | 1.75 | 243275.45 | 6409298.09 | 308.99 | 270 | -90 |
| LHA037 | AUG | 1.6 | 243275.89 | 6409199.62 | 308.98 | 270 | -90 |
| LHA038 | AUG | 1.75 | 243275.53 | 6409097.88 | 308.98 | 270 | -90 |
| LHA039 | AUG | 1 | 243276.05 | 6408997.54 | 308.99 | 270 | -90 |
| LHA040 | AUG | 1 | 243226.52 | 6409049.95 | 308.99 | 270 | -90 |
| LHA041 | AUG | 1.65 | 243227.32 | 6409151.18 | 309.01 | 270 | -90 |
| LHA042 | AUG | 1.55 | 243226.37 | 6409251.09 | 308.99 | 270 | -90 |
| LHA043 | AUG | 1 | 243225.5 | 6409453.14 | 309.01 | 270 | -90 |
| LHA044 | AUG | 1.5 | 243225.51 | 6409349.85 | 308.99 | 270 | -90 |
| LHA045 | AUG | 1 | 243124.76 | 6409400.46 | 308.97 | 270 | -90 |
| LHA046 | AUG | 1.6 | 243125.67 | 6409299.26 | 308.98 | 270 | -90 |
| LHA047 | AUG | 0.8 | 243125.36 | 6408997.06 | 308.98 | 270 | -90 |
| LHA048 | AUG | 1 | 243125.25 | 6409097.87 | 308.97 | 270 | -90 |
| LHA049 | AUG | 1.6 | 243125.28 | 6409198.22 | 308.96 | 270 | -90 |
| LHA050 | AUG | 1.1 | 243023.41 | 6409399.08 | 308.98 | 270 | -90 |
| LHA051 | AUG | 1.55 | 243023.5 | 6409297.9 | 308.97 | 270 | -90 |
| LHA052 | AUG | 1.5 | 243023.2 | 6409197.09 | 308.95 | 270 | -90 |
| LHA053 | AUG | 0.9 | 243023.44 | 6409096.53 | 308.97 | 270 | -90 |
| LHA054 | AUG | 0.75 | 243023.84 | 6408995.76 | 308.98 | 270 | -90 |
| LHA055 | AUG | 0.7 | 242973.7 | 6409449.42 | 308.99 | 270 | -90 |
| LHA056 | AUG | 0.9 | 242974.03 | 6409348.85 | 308.99 | 270 | -90 |
| LHA057 | AUG | 1.45 | 242973.86 | 6409248.24 | 308.98 | 270 | -90 |
| LHA058 | AUG | 1.45 | 242973.77 | 6409147.91 | 308.98 | 270 | -90 |
| LHA059 | AUG | 0.75 | 242974.67 | 6409045.96 | 308.98 | 270 | -90 |
| LHA060 | AUG | 0.7 | 242821.63 | 6409098.91 | 308.98 | 270 | -90 |
| LHA061 | AUG | 0.9 | 242820.62 | 6409198.67 | 308.96 | 270 | -90 |

| Hole_ID | Hole_Type | Max_Depth | NAT_East | NAT_North | NAT_RL | Collar_Azimuth | Collar_Dip |
|---|---|---|---|---|---|---|---|
| LHA062 | AUG | 1.3 | 242821.99 | 6409300.18 | 308.97 | 270 | -90 |
| LHA063 | AUG | 1 | 242819.69 | 6409400.83 | 308.99 | 270 | -90 |
| LHA064 | AUG | 0.35 | 242772.13 | 6409045.25 | 308.98 | 270 | -90 |
| LHA065 | AUG | 0.7 | 242771.01 | 6409146.44 | 308.96 | 270 | -90 |
| LHA066 | AUG | 1.3 | 242771.86 | 6409247.08 | 308.96 | 270 | -90 |
| LHA067 | AUG | 0.8 | 242770.35 | 6409347.9 | 308.97 | 270 | -90 |
| LHA068 | AUG | 0.5 | 242771.09 | 6409449.09 | 308.96 | 270 | -90 |
| LHA069 | AUG | 0.6 | 242621.27 | 6409447.81 | 308.97 | 270 | -90 |
| LHA070 | AUG | 1.1 | 242621.2 | 6409346.9 | 308.97 | 270 | -90 |
| LHA071 | AUG | 0.8 | 242622.15 | 6409245.54 | 308.98 | 270 | -90 |
| LHA072 | AUG | 0.35 | 242620.45 | 6409144.33 | 308.95 | 270 | -90 |
| LHA073 | AUG | 0.4 | 242574 | 6409197.13 | 308.97 | 270 | -90 |
| LHA074 | AUG | 0.75 | 242573.64 | 6409297.75 | 308.97 | 270 | -90 |
| LHA075 | AUG | 1.1 | 242573.33 | 6409398.74 | 308.97 | 270 | -90 |
| LHA076 | AUG | 0.45 | 242420.16 | 6409245.05 | 308.97 | 270 | -90 |
| LHA077 | AUG | 1 | 242418.51 | 6409294.68 | 308.98 | 270 | -90 |
| LHA078 | AUG | 0.75 | 242420.19 | 6409345.93 | 308.99 | 270 | -90 |
| LHA079 | AUG | 0.45 | 242419.59 | 6409396.36 | 309.01 | 270 | -90 |
| LHA080 | AUG | 0.4 | 242344.31 | 6409260.79 | 309 | 270 | -90 |
| LHA081 | AUG | 1.4 | 241699.36 | 6410096.37 | 309.39 | 270 | -90 |
| LHA082 | AUG | 2.2 | 241700.17 | 6410196.42 | 309.34 | 270 | -90 |
| LHA083 | AUG | 2.2 | 241699.93 | 6410296.15 | 309.32 | 270 | -90 |
| LHA084 | AUG | 2.2 | 241699.37 | 6410396.88 | 309.41 | 270 | -90 |
| LHA085 | AUG | 1.3 | 241699.12 | 6410496.49 | 309.48 | 270 | -90 |
| LHA086 | AUG | 1.3 | 241700.36 | 6410597.09 | 309.53 | 270 | -90 |
| LHA087 | AUG | 1.4 | 241699.91 | 6410697.41 | 309.56 | 270 | -90 |
| LHA088 | AUG | 1.5 | 241699.07 | 6410796.38 | 309.6 | 270 | -90 |
| LHA089 | AUG | 1.4 | 241699.76 | 6410897.2 | 309.61 | 270 | -90 |
| LHA090 | AUG | 1.45 | 241698.81 | 6410997.82 | 309.61 | 270 | -90 |
| LHA091 | AUG | 1.25 | 241497.3 | 6410797.27 | 309.53 | 270 | -90 |
| LHA092 | AUG | 1.5 | 241497.05 | 6410696.5 | 309.5 | 270 | -90 |
| LHA093 | AUG | 1.3 | 241498.19 | 6410597.4 | 309.45 | 270 | -90 |
| LHA094 | AUG | 1.25 | 241496.8 | 6410496.76 | 309.43 | 270 | -90 |
| LHA095 | AUG | 1.2 | 241497.92 | 6410396.27 | 309.41 | 270 | -90 |
| LHA096 | AUG | 1.2 | 241498.16 | 6410297.12 | 309.36 | 270 | -90 |
| LHA097 | AUG | 1.2 | 241497.2 | 6410197.3 | 309.37 | 270 | -90 |
| LHA098 | AUG | 1.25 | 241498.82 | 6410098.3 | 309.35 | 270 | -90 |
| LHA099 | AUG | 0.95 | 241497.8 | 6409997.29 | 309.4 | 270 | -90 |
| LHA100 | AUG | 1.2 | 241298.23 | 6409998.46 | 309.42 | 270 | -90 |
| LHA101 | AUG | 1.2 | 241298.43 | 6410097.78 | 309.37 | 270 | -90 |
| LHA102 | AUG | 1.2 | 241297.61 | 6410196.76 | 309.36 | 270 | -90 |
| LHA103 | AUG | 1.25 | 241296.5 | 6410296.62 | 309.35 | 270 | -90 |
| LHA104 | AUG | 1.2 | 241298.51 | 6410397.86 | 309.36 | 270 | -90 |
| LHA105 | AUG | 1.2 | 241298.99 | 6410497.42 | 309.34 | 270 | -90 |
| LHA106 | AUG | 1.2 | 241297.4 | 6410597.04 | 309.39 | 270 | -90 |
| LHA107 | AUG | 1.25 | 241297.17 | 6410696.55 | 309.43 | 270 | -90 |
| LHA108 | AUG | 1.2 | 241199.85 | 6410693.38 | 309.39 | 270 | -90 |
| LHA109 | AUG | 1.2 | 241199.71 | 6410595.02 | 309.39 | 270 | -90 |
| LHA110 | AUG | 1.25 | 241200.17 | 6410494.43 | 309.38 | 270 | -90 |
| LHA111 | AUG | 1.2 | 241199.66 | 6410394.72 | 309.36 | 270 | -90 |
| LHA112 | AUG | 1.2 | 241200.12 | 6410294.99 | 309.36 | 270 | -90 |
| LHA113 | AUG | 1.2 | 241200 | 6410196.49 | 309.39 | 270 | -90 |
| LHA114 | AUG | 1.2 | 241199.91 | 6410093.86 | 309.42 | 270 | -90 |
| LHA115 | AUG | 1.2 | 240997.94 | 6410245.03 | 309.38 | 270 | -90 |
| LHA116 | AUG | 1.2 | 240997.89 | 6410345.51 | 309.38 | 270 | -90 |
| LHA117 | AUG | 1.15 | 240998.02 | 6410444.59 | 309.37 | 270 | -90 |
| LHA118 | AUG | 1.15 | 240997.05 | 6410545.11 | 309.38 | 270 | -90 |
| LHA119 | AUG | 1.2 | 240997.53 | 6410644.5 | 309.4 | 270 | -90 |
| LHA120 | AUG | 1.1 | 240996.25 | 6410745.54 | 309.43 | 270 | -90 |
| LHA121 | AUG | 0.8 | 240796.62 | 6410695.84 | 309.43 | 270 | -90 |
| LHA122 | AUG | 1.1 | 240796.8 | 6410596.21 | 309.4 | 270 | -90 |
| LHA123 | AUG | 1.1 | 240796.76 | 6410496.33 | 309.36 | 270 | -90 |
| LHA124 | AUG | 1.2 | 240797.02 | 6410395.84 | 309.38 | 270 | -90 |
| LHA125 | AUG | 0.8 | 240799.32 | 6410294.59 | 309.38 | 270 | -90 |
| LHA126 | AUG | 0.3 | 240598.11 | 6410794.7 | 309.45 | 270 | -90 |

| Hole_ID | Hole_Type | Max_Depth | NAT_East | NAT_North | NAT_RL | Collar_Azimuth | Collar_Dip |
|---|---|---|---|---|---|---|---|
| LHA127 | AUG | 0.75 | 240598.06 | 6410694.61 | 309.41 | 270 | -90 |
| LHA128 | AUG | 1.15 | 240597.98 | 6410594.95 | 309.4 | 270 | -90 |
| LHA129 | AUG | 1.25 | 240598.14 | 6410495.46 | 309.4 | 270 | -90 |
| LHA130 | AUG | 1.15 | 240597.64 | 6410394.82 | 309.4 | 270 | -90 |
| LHA131 | AUG | 1.4 | 241647.26 | 6411098.15 | 309.61 | 270 | -90 |
| LHA132 | AUG | 1.2 | 241599.68 | 6411197.06 | 309.57 | 270 | -90 |
| LHA133 | AUG | 1.2 | 241548.3 | 6411050.94 | 309.56 | 270 | -90 |
| LHA134 | AUG | 1.25 | 241547.96 | 6411147.84 | 309.53 | 270 | -90 |
| LHA135 | AUG | 1.25 | 241547.76 | 6411244.96 | 309.56 | 270 | -90 |
| LHA136 | AUG | 1.15 | 241499.72 | 6411296.23 | 309.54 | 270 | -90 |
| LHA137 | AUG | 1.2 | 241499.6 | 6411200.18 | 309.54 | 270 | -90 |
| LHA138 | AUG | 1.2 | 241499.78 | 6411096.35 | 309.51 | 270 | -90 |
| LHA139 | AUG | 0.8 | 241500.17 | 6410997.67 | 309.51 | 270 | -90 |
| LHA140 | AUG | 1.2 | 241446.58 | 6411146.89 | 309.49 | 270 | -90 |
| LHA141 | AUG | 1.15 | 241446.75 | 6411246.31 | 309.53 | 270 | -90 |
| LHA142 | AUG | 1.15 | 241447.35 | 6411347.91 | 309.54 | 270 | -90 |
| LHA143 | AUG | 1.1 | 241399.2 | 6411395.1 | 309.53 | 270 | -90 |
| LHA144 | AUG | 1.15 | 241398.67 | 6411298.2 | 309.49 | 270 | -90 |
| LHA145 | AUG | 1.15 | 241398.13 | 6411198.42 | 309.51 | 270 | -90 |
| LHA146 | AUG | 0.6 | 241397.44 | 6411101.82 | 309.52 | 270 | -90 |
| LHA147 | AUG | 0.6 | 241346.65 | 6411148.94 | 309.51 | 270 | -90 |
| LHA148 | AUG | 1.15 | 241347.67 | 6411247.73 | 309.53 | 270 | -90 |
| LHA149 | AUG | 1.1 | 241348.67 | 6411347.28 | 309.52 | 270 | -90 |
| LHA150 | AUG | 0.7 | 241297.93 | 6411395.51 | 309.53 | 270 | -90 |
| LHA151 | AUG | 0.9 | 241298.15 | 6411297.9 | 309.51 | 270 | -90 |
| LHA152 | AUG | 0.6 | 241298.05 | 6411196.96 | 309.51 | 270 | -90 |
| LHA153 | AUG | 0.2 | 241298.04 | 6411098.76 | 309.52 | 270 | -90 |
| LHA154 | AUG | 0.5 | 241250.41 | 6411248.74 | 309.54 | 270 | -90 |
| LHA155 | AUG | 0.7 | 241248.47 | 6411349.7 | 309.58 | 270 | -90 |
| LHA156 | AUG | 0.45 | 241198.86 | 6411397.14 | 309.57 | 270 | -90 |
| LHA157 | AUG | 6 | 241199.05 | 6411298.12 | 309.55 | 270 | -90 |
| LHA158 | AUG | 0.25 | 241199.2 | 6411198.99 | 309.49 | 270 | -90 |
| LHA159 | AUG | 1.3 | 241600.06 | 6410899.23 | 309.55 | 270 | -90 |
| LHA160 | AUG | 1.25 | 241400 | 6410401 | 309 | 270 | -90 |
| LHP001 | PUSH | 0.45 | 243165.96 | 6409024.81 | 308.97 | 0 | -90 |
| LHP002 | PUSH | 0.6 | 243162.43 | 6409164.93 | 308.97 | 0 | -90 |
| LHP003 | PUSH | 0.6 | 243151.82 | 6409320.99 | 308.98 | 0 | -90 |
| LHP004 | PUSH | 0.6 | 243139.54 | 6409464.31 | 309 | 0 | -90 |
| LHP005 | PUSH | 0.6 | 243287.11 | 6409247.56 | 308.98 | 0 | -90 |
| LHP006 | PUSH | 0.6 | 243407.39 | 6409460.81 | 309.03 | 0 | -90 |
| LHP007 | PUSH | 0.6 | 243407.07 | 6409312.54 | 309.01 | 0 | -90 |
| LHP008 | PUSH | 0.55 | 243409.75 | 6409176.71 | 309 | 0 | -90 |
| LHP009 | PUSH | 0.6 | 243406.74 | 6409028.46 | 309.01 | 0 | -90 |
| LHP010 | PUSH | 0.7 | 241411.25 | 6409933.27 | 309.41 | 0 | -90 |
| LHP011 | PUSH | 0.7 | 241606.32 | 6410091.19 | 309.33 | 0 | -90 |
| LHP012 | PUSH | 0.7 | 241645.96 | 6410497.45 | 309.45 | 0 | -90 |
| LHP013 | PUSH | 0.3 | 241739.4 | 6410499.6 | 309.49 | 0 | -90 |
| LHP014 | PUSH | 0.5 | 241247 | 6410105 | 309 | 0 | -90 |
| LHP015 | PUSH | 0.5 | 241246.21 | 6410290.23 | 309.38 | 0 | -90 |
| LHP016 | PUSH | 0.5 | 241251.37 | 6410500.5 | 309.36 | 0 | -90 |
| LHP017 | PUSH | 0.5 | 241248.97 | 6410699.15 | 309.39 | 0 | -90 |
| LHP018 | PUSH | 0.5 | 241445 | 6410497 | 309 | 0 | -90 |
| LHP019 | PUSH | 0.5 | 241403.8 | 6410298.23 | 309.37 | 0 | -90 |
| LHP020 | PUSH | 0.75 | 240497.84 | 6410396.12 | 309.41 | 0 | -90 |
| LHP021 | PUSH | 0.8 | 240497.77 | 6410497.11 | 309.39 | 0 | -90 |
| LHP022 | PUSH | 0.8 | 240497.71 | 6410596.06 | 309.38 | 0 | -90 |
| LHP023 | PUSH | 0.8 | 240494.92 | 6410696.58 | 309.4 | 0 | -90 |
| LHP024 | PUSH | 0.6 | 240700 | 6410350 | 309 | 0 | -90 |
| LHP025 | PUSH | 0.62 | 240698 | 6410449.93 | 309.42 | 0 | -90 |
| LHP026 | PUSH | 0.62 | 240696.54 | 6410546.28 | 309.42 | 0 | -90 |
| LHP027 | PUSH | 0.71 | 240698.36 | 6410644.78 | 309.43 | 0 | -90 |
| LHP028 | PUSH | 0.1 | 240698.75 | 6410745.25 | 309.43 | 0 | -90 |
| LHP029 | PUSH | 0.6 | 240898.72 | 6410246 | 309.39 | 0 | -90 |
| HP030 | PUSH | 0.6 | 240899.11 | 6410348.14 | 309.41 | 0 | -90 |
| LHP031 | PUSH | 0.62 | 240898.69 | 6410449.57 | 309.42 | 0 | -90 |

| Hole_ID | Hole_Type | Max_Depth | NAT_East | NAT_North | NAT_RL | Collar_Azimuth | Collar_Dip |
|---|---|---|---|---|---|---|---|
| LHP032 | PUSH | 0.7 | 240896.98 | 6410546.48 | 309.42 | 0 | -90 |
| LHP033 | PUSH | 0.82 | 240896.69 | 6410644.08 | 309.42 | 0 | -90 |
| LHP034 | PUSH | 0.72 | 240896.84 | 6410746.16 | 309.43 | 0 | -90 |
| LHP035 | PUSH | 0.56 | 241093.98 | 6410147.01 | 309.35 | 0 | -90 |
| LHP036 | PUSH | 0.54 | 241097.05 | 6410249.51 | 309.37 | 0 | -90 |
| LHP037 | PUSH | 0.58 | 241096.45 | 6410345.94 | 309.36 | 0 | -90 |
| LHP038 | PUSH | 0.6 | 241097.69 | 6410446.47 | 309.37 | 0 | -90 |
| LHP039 | PUSH | 0.88 | 241098.45 | 6410545.5 | 309.35 | 0 | -90 |
| LHP040 | PUSH | 0.85 | 241099.7 | 6410643.93 | 309.36 | 0 | -90 |
| LHP041 | PUSH | 0.86 | 241098.62 | 6410743.36 | 309.41 | 0 | -90 |
| LHP042 | PUSH | 0.82 | 241302.76 | 6410394.18 | 309.34 | 0 | -90 |
| LHP043 | PUSH | 0.58 | 241398.19 | 6410093.87 | 309.39 | 0 | -90 |
| LHP044 | PUSH | 0.6 | 241396.12 | 6410195.31 | 309.35 | 0 | -90 |
| LHP045 | PUSH | 0.82 | 241398.28 | 6410595.65 | 309.4 | 0 | -90 |
| LHP046 | PUSH | 0.96 | 241395.55 | 6410695.36 | 309.44 | 0 | -90 |
| LHP047 | AUG | 1.02 | 241397.45 | 6410794.08 | 309.49 | 0 | -90 |
| LHP048 | PUSH | 0.62 | 241545.49 | 6409995.86 | 309.37 | 0 | -90 |
| LHP049 | PUSH | 0.82 | 241550 | 6410650 | 310 | 0 | -90 |
| LHP050 | PUSH | 0.72 | 241599.68 | 6410196.27 | 309.33 | 0 | -90 |
| LHP051 | PUSH | 0.69 | 241597.1 | 6410296.16 | 309.33 | 0 | -90 |
| LHP052 | PUSH | 0.89 | 241600 | 6410800 | 310 | 0 | -90 |
| LHP053 | AUG | 1.48 | 241600 | 6411000 | 310 | 0 | -90 |
| LHP054 | AUG | 0.98 | 241600 | 6411100 | 310 | 0 | -90 |
| LHP055 | PUSH | 0.81 | 241596.67 | 6410395.88 | 309.4 | 0 | -90 |
| LHP056 | PUSH | 0.76 | 241748.16 | 6410248.33 | 309.34 | 0 | -90 |
| LHP057 | PUSH | 0.76 | 241747.21 | 6410397.31 | 309.42 | 0 | -90 |
| LHP058 | PUSH | 0.94 | 241748.61 | 6410595.7 | 309.58 | 0 | -90 |
| LHP059 | PUSH | 0.79 | 241749.38 | 6410695.24 | 309.61 | 0 | -90 |
| LHP060 | PUSH | 0.75 | 242521.93 | 6409196.58 | 308.96 | 0 | -90 |
| LHP061 | PUSH | 0.79 | 242521.93 | 6409298.87 | 308.98 | 0 | -90 |
| LHP062 | AUG | 0.98 | 242519.88 | 6409396.49 | 308.99 | 0 | -90 |
| LHP063 | PUSH | 0.43 | 242723.08 | 6409097.25 | 308.94 | 0 | -90 |
| LHP064 | PUSH | 0.81 | 242723.7 | 6409195.7 | 308.96 | 0 | -90 |
| LHP065 | AUG | 1 | 242719.13 | 6409298.8 | 308.97 | 0 | -90 |
| LHP066 | PUSH | 0.8 | 242719.69 | 6409397.08 | 308.98 | 0 | -90 |
| LHP067 | PUSH | 0.73 | 242924.85 | 6408997.03 | 308.99 | 0 | -90 |
| LHP068 | PUSH | 0.81 | 242927.4 | 6409097.84 | 308.97 | 0 | -90 |
| LHP069 | PUSH | 0.98 | 242926.33 | 6409195.94 | 308.98 | 0 | -90 |
| LHP070 | AUG | 1 | 242924.14 | 6409297.16 | 308.98 | 0 | -90 |
| LHP071 | PUSH | 0.81 | 242922.68 | 6409396.19 | 308.99 | 0 | -90 |
| LHP072 | PUSH | 0.5 | 243531.41 | 6408994.75 | 309.05 | 0 | -90 |
| LHP073 | AUG | 1.62 | 243530.85 | 6409097.69 | 309.02 | 0 | -90 |
| LHP074 | AUG | 1.64 | 243530.04 | 6409199.7 | 309.03 | 0 | -90 |
| LHP075 | AUG | 1.65 | 243527.99 | 6409301.14 | 309.03 | 0 | -90 |
| LHP076 | AUG | 2 | 243528.74 | 6409398.71 | 309.04 | 0 | -90 |
| LHP077 | PUSH | 0.77 | 243733.7 | 6409099.13 | 309.03 | 0 | -90 |
| LHP078 | AUG | 3.95 | 243730.7 | 6409202.31 | 309.06 | 0 | -90 |
| LHP079 | AUG | 1.7 | 243729.32 | 6409303.32 | 309.01 | 0 | -90 |
| LHP080 | AUG | 1.8 | 243731.64 | 6409401.23 | 309.06 | 0 | -90 |
| LHP082 | PUSH | 0.35 | 242611.05 | 6409119.73 | 308.94 | 0 | -90 |
| LHP083 | PUSH | 0.4 | 242666 | 6409208 | 310 | 0 | -90 |
| LHP084 | PUSH | 0.25 | 236660 | 6408654 | 310 | 0 | -90 |
| LHP085 | PUSH | 0.25 | 234718 | 6407780 | 310 | 0 | -90 |
| LHP086 | PUSH | 0.4 | 241207.78 | 6409632.54 | 309.09 | 0 | -90 |
| LHP087 | PUSH | 0.4 | 239792 | 6409571 | 310 | 0 | -90 |
| LHP092 | PUSH | 0.5 | 240256.3 | 6410490.47 | 309.47 | 0 | -90 |
| LHP093 | PUSH | 0.5 | 240336.12 | 6410509.38 | 309.45 | 0 | -90 |
| LHP094 | PUSH | 0.4 | 242192 | 6410693 | 310 | 0 | -90 |
| LHP095 | PUSH | 0.4 | 242322 | 6410704 | 310 | 0 | -90 |
| LHP096 | PUSH | 0.4 | 242620 | 6411413 | 310 | 0 | -90 |
| LHP097 | PUSH | 0.4 | 242573 | 6411901 | 310 | 0 | -90 |
| LHP098 | PUSH | 0.4 | 243057 | 6411330 | 310 | 0 | -90 |
| LHP099 | AUG | 1.3 | 241400 | 6410300 | 310 | 0 | -90 |

## Newly Reported Drillholes Not Included in MRE

| Hole_ID | Hole_Type | Depth | Easting | Northing | NAT_RL | Azimuth | Dip |
|---|---|---|---|---|---|---|---|
| LHP100 | PUSH | 0.75 | 243075.45 | 6409149.1 | 308.98 | 0 | -90 |
| LHP101 | PUSH | 0.97 | 243073.3 | 6409249.7 | 308.98 | 0 | -90 |
| LHP102 | PUSH | ABD | 243073.18 | 6409351.3 | 308.97 | 0 | -90 |
| LHP103 | PUSH | 0.3 | 241549.26 | 6410149.5 | 309.33 | 0 | -90 |
| LHP104 | PUSH | ABD | 241546.72 | 6410248.8 | 309.34 | 0 | -90 |
| LHP105 | PUSH | 0.35 | 241546.56 | 6410348 | 309.4 | 0 | -90 |
| LHP106 | PUSH | 0.92 | 241547.44 | 6410449.5 | 309.44 | 0 | -90 |
| LHP107 | PUSH | 0.94 | 243478.94 | 6409049 | 309.03 | 0 | -90 |
| LHP108 | PUSH | 0.16 | 243477.67 | 6409150.4 | 309.03 | 0 | -90 |
| LHP109 | PUSH | 0.13 | 243477.13 | 6409253 | 309.03 | 0 | -90 |
| LHP110 | PUSH | 0.86 | 243479.35 | 6409352.3 | 309.03 | 0 | -90 |
| LHP111 | PUSH | 0.07 | 243680.75 | 6409095.7 | 309.03 | 0 | -90 |
| LHP112 | PUSH | 1.01 | 243681.3 | 6409196.4 | 309.03 | 0 | -90 |
| LHP113 | PUSH | 0.07 | 243680.87 | 6409297.9 | 309.04 | 0 | -90 |
| LHP114 | PUSH | 0.44 | 243681.41 | 6409398.1 | 309.08 | 0 | -90 |
| LHP115 | PUSH | 0.63 | 242873.7 | 6409043.6 | 308.97 | 0 | -90 |
| LHP116 | PUSH | 0.68 | 242873.4 | 6409143.7 | 308.97 | 0 | -90 |
| LHP117 | PUSH | 0.65 | 242873.65 | 6409245.2 | 308.98 | 0 | -90 |
| LHP118 | PUSH | 0.67 | 242873.83 | 6409344.8 | 308.98 | 0 | -90 |
| LHP119 | PUSH | 0.3 | 240706.56 | 6410438.8 | 309.41 | 0 | -90 |
| LHP120 | PUSH | 1 | 240747.94 | 6410397.9 | 309.37 | 0 | -90 |
| LHP121 | PUSH | 0.56 | 240748.26 | 6410598.3 | 309.39 | 0 | -90 |
| LHP122 | PUSH | 1 | 240749.16 | 6410698 | 309.41 | 0 | -90 |
| LHP123 | PUSH | 1.01 | 243407.57 | 6409289 | 309.01 | 0 | -90 |
| LHP124 | PUSH | 0.57 | 243286.15 | 6409106.3 | 309.01 | 0 | -90 |
| LHP125 | PUSH | 0.95 | 242873.33 | 6409349.3 | 308.98 | 0 | -90 |
| LHP126 | PUSH | 0.81 | 242759 | 6409249 | 309 | 0 | -90 |
| LHP127 | PUSH | 1.01 | 241046.57 | 6410295.1 | 309.39 | 0 | -90 |
| LHP128 | PUSH | 0.96 | 241046.47 | 6410396.2 | 309.34 | 0 | -90 |
| LHP129 | PUSH | 0.42 | 241048.36 | 6410496.7 | 309.35 | 0 | -90 |
| LHP130 | PUSH | 0.97 | 241049.59 | 6410595.3 | 309.37 | 0 | -90 |
| LHP131 | PUSH | 1 | 241051.16 | 6410696.4 | 309.39 | 0 | -90 |
| LHP132 | PUSH | 0.88 | 241209 | 6410708 | 309.37 | 0 | -90 |
| LHP133 | PUSH | 1 | 241109 | 6410648 | 309.37 | 0 | -90 |
| LHP134 | PUSH | 0.94 | 240910 | 6410708 | 309.37 | 0 | -90 |
| LHP135 | PUSH | 0.87 | 241349.53 | 6410049.5 | 309.4 | 0 | -90 |
| LHP136 | PUSH | 1 | 241347.5 | 6410147.1 | 309.37 | 0 | -90 |
| LHP137 | PUSH | 1 | 241349.45 | 6410252.9 | 309.31 | 0 | -90 |
| LHP138 | PUSH | 1 | 241349.07 | 6410350.7 | 309.34 | 0 | -90 |
| LHP139 | PUSH | 0.8 | 241349.34 | 6410451.5 | 309.38 | 0 | -90 |
| LHP140 | PUSH | 0.99 | 241348.41 | 6410549.8 | 309.39 | 0 | -90 |
| LHP141 | PUSH | 0.66 | 241349.24 | 6410748.1 | 309.44 | 0 | -90 |
| LHP142 | PUSH | 0.98 | 241350 | 6410750 | 309.44 | 0 | -90 |
| LHP143 | PUSH | 0.57 | 241609 | 6410809 | 309.44 | 0 | -90 |
| LHP144 | PUSH | 0.3 | 241599 | 6410699 | 309.44 | 0 | -90 |
| LHP145 | PUSH | 1 | 241599 | 6410599 | 309.44 | 0 | -90 |
| LHP146 | PUSH | 1 | 241549 | 6410549 | 309.44 | 0 | -90 |
| LHP147 | PUSH | 1.06 | 241649 | 6410450 | 309.44 | 0 | -90 |

## Appendix 2

### Assay Data

| Sample | Hole | From | To | Al2O3% | CaO% | Fe2O3% | K2O% | MgO% | MnO% | Na2O% | P2O5% | SiO2% | LOI% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PL0001 | LHA001 | 0 | 0.5 | 25.88 | 0.13 | 3.09 | 6.49 | 0.76 | BDL | 3.64 | 0.076 | 21.5 | 31.66 |
| PL0002 | LHA001 | 0.5 | 1 | 26.21 | 0.05 | 3.22 | 6.5 | 0.71 | BDL | 3.54 | 0.081 | 19.44 | 32.46 |
| PL0003 | LHA001 | 1 | 1.5 | 19.22 | 0.06 | 2.92 | 4.53 | 0.66 | BDL | 2.95 | 0.08 | 40.65 | 21.73 |
| PL0004 | LHA002 | 0 | 0.5 | 23.96 | 0.13 | 2.79 | 6.06 | 0.72 | BDL | 3.44 | 0.069 | 25.86 | 29.68 |
| PL0005 | LHA002 | 0.5 | 1 | 26.03 | 0.06 | 3.1 | 6.78 | 0.7 | BDL | 3.24 | 0.082 | 19.48 | 32.95 |
| PL0006 | LHA003 | 0 | 0.5 | 27.31 | 0.1 | 3.12 | 6.86 | 0.78 | BDL | 3.7 | 0.081 | 19.03 | 30 |
| PL0007 | LHA003 | 0.5 | 1 | 26.55 | 0.05 | 3.16 | 6.74 | 0.71 | BDL | 3.38 | 0.075 | 18.34 | 32.03 |
| PL0008 | LHA004 | 0 | 0.5 | 26.6 | 0.14 | 3.19 | 6.62 | 0.74 | BDL | 3.63 | 0.079 | 18.12 | 32.91 |
| PL0009 | LHA004 | 0.5 | 1 | 26.34 | 0.05 | 3.2 | 6.72 | 0.67 | BDL | 3.21 | 0.079 | 18.51 | 32.93 |
| PL0010 | LHA005 | 0 | 0.5 | 26.92 | 0.17 | 3.2 | 6.45 | 0.73 | BDL | 3.42 | 0.082 | 17.94 | 32.93 |
| PL0011 | LHA005 | 0.5 | 1 | 18.92 | 0.06 | 2.14 | 4.87 | 0.48 | BDL | 2.46 | 0.054 | 42.08 | 22.92 |
| PL0012 | LHA006 | 0 | 0.5 | 26.54 | 0.1 | 2.86 | 6.82 | 0.69 | BDL | 3.27 | 0.069 | 18.25 | 33.54 |
| PL0013 | LHA006 | 0.5 | 1 | 20 | 0.05 | 5.13 | 5.45 | 0.45 | BDL | 2.41 | 0.062 | 34.21 | 25.49 |
| PL0014 | LHA007 | 0 | 0.5 | 26.94 | 0.07 | 2.93 | 6.94 | 0.73 | BDL | 3.47 | 0.072 | 17.1 | 33.68 |
| PL0016 | LHA007 | 0.5 | 1 | 22.78 | 0.06 | 2.62 | 6.09 | 0.54 | BDL | 2.73 | 0.061 | 29.92 | 28.33 |
| PL0017 | LHA008 | 0 | 0.5 | 25.67 | 0.05 | 2.88 | 5.55 | 0.74 | BDL | 3.68 | 0.051 | 25.37 | 30.08 |
| PL0018 | LHA008 | 0.5 | 1 | 25.75 | 0.05 | 3.02 | 5.66 | 0.75 | 0.01 | 3.7 | 0.052 | 23.58 | 30.77 |
| PL0019 | LHA008 | 1 | 1.5 | 18.58 | 0.03 | 1.71 | 2.48 | 0.46 | BDL | 2.6 | 0.026 | 54.13 | 18.32 |
| PL0020 | LHA009 | 0 | 0.5 | 26.31 | 0.05 | 3.08 | 5.68 | 0.72 | BDL | 3.41 | 0.052 | 23.97 | 30.85 |
| PL0022 | LHA009 | 0.5 | 1 | 26.95 | 0.04 | 3.16 | 5.96 | 0.67 | BDL | 3.54 | 0.057 | 21.95 | 31.83 |
| PL0023 | LHA009 | 1 | 1.5 | 19.1 | 0.03 | 2.5 | 4.25 | 0.5 | BDL | 2.74 | 0.048 | 44.67 | 22.28 |
| PL0024 | LHA010 | 0 | 0.5 | 26.15 | 0.05 | 3.05 | 5.5 | 0.75 | BDL | 3.63 | 0.057 | 26.26 | 30.27 |
| PL0025 | LHA010 | 0.5 | 1 | 26.17 | 0.05 | 3.12 | 5.48 | 0.72 | BDL | 3.86 | 0.06 | 25.28 | 29.91 |
| PL0026 | LHA010 | 1 | 1.5 | 23.51 | 0.04 | 2.41 | 3.11 | 0.56 | BDL | 3.13 | 0.034 | 42.54 | 22.79 |
| LP0145 | LHA011 | 0 | 0.5 | 12.59 | 0.37 | 1.62 | 3.22 | 0.42 | BDL | 2.52 | 0.043 | 59.93 | 15.54 |
| LP0146 | LHA011 | 0.5 | 1 | 20.16 | 0.26 | 2.79 | 5.72 | 0.61 | BDL | 3.47 | 0.063 | 33.98 | 26.46 |
| LP0147 | LHA011 | 1 | 1.5 | 22.5 | 0.24 | 3.94 | 5.82 | 0.77 | BDL | 3.31 | 0.113 | 29.98 | 26.86 |
| LP0148 | LHA011 | 1.5 | 1.85 | 22.99 | 0.14 | 2.31 | 4.83 | 0.8 | BDL | 3.98 | 0.077 | 34.74 | 23.9 |
| LP0149 | LHA012 | 0 | 0.5 | 19.75 | 0.22 | 2.54 | 4.92 | 0.66 | BDL | 3.24 | 0.064 | 39.34 | 23.62 |
| LP0150 | LHA012 | 0.5 | 1 | 25.44 | 0.07 | 2.85 | 6.76 | 0.77 | BDL | 3.65 | 0.078 | 22.02 | 31.54 |
| LP0151 | LHA012 | 1 | 1.7 | 23.13 | 0.1 | 2.72 | 5.05 | 0.81 | BDL | 3.51 | 0.088 | 31.83 | 24.66 |
| LP0152 | LHA013 | 0 | 0.5 | 23.86 | 0.11 | 2.68 | 6.02 | 0.77 | BDL | 3.56 | 0.072 | 27.46 | 29 |
| LP0153 | LHA013 | 0.5 | 1 | 25.29 | 0.06 | 2.94 | 6.66 | 0.78 | BDL | 3.44 | 0.076 | 22.85 | 30.86 |
| LP0154 | LHA013 | 1 | 1.7 | 23.27 | 0.11 | 2.59 | 4.69 | 0.83 | BDL | 3.53 | 0.082 | 35.41 | 24.09 |
| LP0155 | LHA014 | 0 | 0.5 | 24.93 | 0.08 | 2.88 | 6.3 | 0.8 | BDL | 3.68 | 0.072 | 24.6 | 30.14 |
| LP0156 | LHA014 | 0.5 | 1 | 25.5 | 0.06 | 3 | 6.59 | 0.76 | BDL | 3.46 | 0.075 | 22.98 | 31.23 |
| LP0157 | LHA014 | 1 | 1.7 | 20.64 | 0.1 | 2.18 | 4.44 | 0.7 | BDL | 3.29 | 0.075 | 41.38 | 21.9 |
| LP0158 | LHA015 | 0 | 0.5 | 25.87 | 0.06 | 2.91 | 6.59 | 0.84 | BDL | 3.7 | 0.073 | 21.38 | 31.37 |
| LP0159 | LHA015 | 0.5 | 1 | 25.75 | 0.11 | 3.04 | 6.7 | 0.79 | BDL | 4.06 | 0.077 | 20.51 | 31.8 |
| LP0161 | LHA015 | 1 | 1.7 | 23.03 | 0.09 | 2.67 | 4.9 | 0.87 | BDL | 3.59 | 0.089 | 34.49 | 24.24 |
| LP0162 | LHA016 | 0 | 0.5 | 25.55 | 0.08 | 2.9 | 6.5 | 0.8 | BDL | 3.63 | 0.076 | 22.46 | 28.07 |
| LP0163 | LHA016 | 0.5 | 1 | 26.37 | 0.05 | 3.22 | 6.96 | 0.78 | BDL | 3.43 | 0.083 | 19.23 | 27.49 |
| LP0164 | LHA016 | 1 | 1.65 | 22.34 | 0.09 | 2.8 | 5.06 | 0.85 | BDL | 3.53 | 0.088 | 34.41 | 20.32 |
| LP0165 | LHA017 | 0 | 0.5 | 25.02 | 0.07 | 2.88 | 6.42 | 0.8 | BDL | 3.61 | 0.074 | 23.39 | 24.4 |
| LP0166 | LHA017 | 0.5 | 1 | 26.29 | 0.06 | 3.24 | 6.81 | 0.81 | BDL | 3.59 | 0.09 | 20.02 | 29.07 |
| LP0167 | LHA017 | 1 | 1.7 | 22.04 | 0.11 | 2.42 | 4.65 | 0.81 | BDL | 3.67 | 0.078 | 36.16 | 21.14 |
| LP0168 | LHA018 | 0 | 0.5 | 22.21 | 0.09 | 2.46 | 5.91 | 0.7 | BDL | 3.6 | 0.06 | 30.54 | 23.88 |
| LP0169 | LHA018 | 0.5 | 0.7 | 20.91 | 0.07 | 2.05 | 5.9 | 0.58 | BDL | 3.16 | 0.056 | 32.69 | 25.21 |
| LP0170 | LHA019 | 0 | 0.5 | 24.62 | 0.08 | 2.87 | 6.28 | 0.77 | BDL | 3.65 | 0.073 | 24.36 | 24.41 |
| LP0171 | LHA019 | 0.5 | 1 | 25.48 | 0.05 | 3.15 | 6.69 | 0.76 | BDL | 3.51 | 0.086 | 21.33 | 27.39 |
| LP0172 | LHA019 | 1 | 1.65 | 17.91 | 0.13 | 2.03 | 4.15 | 0.65 | BDL | 3.38 | 0.064 | 46.49 | 15.62 |
| LP0173 | LHA020 | 0 | 0.5 | 25.59 | 0.09 | 2.99 | 6.47 | 0.8 | BDL | 3.69 | 0.078 | 21.72 | 26.39 |
| LP0174 | LHA020 | 0.5 | 1 | 25.09 | 0.06 | 3.16 | 6.47 | 0.77 | BDL | 3.63 | 0.088 | 23.57 | 24.66 |
| LP0176 | LHA020 | 1 | 1.7 | 21.47 | 0.09 | 2.31 | 4.51 | 0.82 | BDL | 3.68 | 0.076 | 39.97 | 19.03 |
| LP0177 | LHA021 | 0 | 0.5 | 26.37 | 0.08 | 2.98 | 6.64 | 0.83 | BDL | 3.68 | 0.079 | 20.42 | 31.87 |
| LP0178 | LHA021 | 0.5 | 1 | 26 | 0.07 | 3.22 | 6.73 | 0.78 | BDL | 3.61 | 0.083 | 20.44 | 22.7 |
| LP0179 | LHA021 | 1 | 1.7 | 22.16 | 0.08 | 2.27 | 4.33 | 0.79 | BDL | 3.45 | 0.075 | 39.03 | 22.97 |
| LP0181 | LHA022 | 0 | 0.5 | 26.23 | 0.07 | 2.9 | 6.51 | 0.84 | BDL | 3.7 | 0.076 | 21.08 | 30.72 |
| LP0182 | LHA022 | 0.5 | 1 | 25.85 | 0.06 | 3.14 | 6.64 | 0.8 | BDL | 3.61 | 0.081 | 22.15 | 30.13 |
| LP0183 | LHA022 | 1 | 1.7 | 20.53 | 0.08 | 2.31 | 4.61 | 0.77 | BDL | 3.43 | 0.074 | 38.59 | 21.66 |
| LP0184 | LHA023 | 0 | 0.5 | 26.93 | 0.08 | 3.02 | 6.83 | 0.83 | BDL | 3.58 | 0.078 | 18.89 | 31.27 |

| Sample | Hole | From | To | Al2O3% | CaO% | Fe2O3% | K2O% | MgO% | MnO% | Na2O% | P2O5% | SiO2% | LOI% |
|--------|------|------|----|--------|------|--------|------|------|------|-------|-------|-------|------|
| LP0185 | LHA023 | 0.5 | 1 | 26.39 | 0.05 | 3.24 | 6.79 | 0.79 | BDL | 3.28 | 0.082 | 20.29 | 31.16 |
| LP0186 | LHA023 | 1 | 1.5 | 20.98 | 0.08 | 2.44 | 4.86 | 0.81 | BDL | 3.28 | 0.075 | 38.33 | 22.17 |
| LP0187 | LHA023 | 1.5 | 2 | 23.95 | 0.05 | 1.31 | 1.72 | 0.68 | BDL | 3.74 | 0.048 | 49.17 | 18.75 |
| LP0188 | LHA024 | 0 | 0.5 | 25.57 | 0.09 | 2.96 | 6.38 | 0.81 | BDL | 3.76 | 0.076 | 21.45 | 30.29 |
| LP0189 | LHA024 | 0.5 | 1 | 26.35 | 0.07 | 3.3 | 6.75 | 0.76 | BDL | 3.63 | 0.086 | 20.4 | 30.58 |
| LP0190 | LHA024 | 1 | 1.6 | 21.97 | 0.15 | 2.37 | 5.09 | 0.81 | BDL | 3.47 | 0.078 | 34.54 | 21.93 |
| LP0191 | LHA025 | 0 | 0.5 | 25.96 | 0.08 | 3.02 | 6.55 | 0.79 | BDL | 3.62 | 0.078 | 21.36 | 30.88 |
| LP0192 | LHA025 | 0.5 | 1 | 26.06 | 0.07 | 3.24 | 6.77 | 0.79 | BDL | 3.54 | 0.091 | 20.51 | 30.89 |
| LP0193 | LHA025 | 1 | 1.65 | 22.68 | 0.23 | 2.32 | 5 | 0.79 | BDL | 3.78 | 0.095 | 42.83 | 22.31 |
| LP0194 | LHA026 | 0 | 0.5 | 24.67 | 0.08 | 2.89 | 6.37 | 0.81 | BDL | 3.69 | 0.075 | 22.51 | 30.4 |
| LP0195 | LHA026 | 0.5 | 1 | 21.98 | 0.07 | 2.53 | 5.77 | 0.69 | BDL | 3.41 | 0.076 | 31.29 | 26.55 |
| LP0196 | LHA026 | 1 | 1.6 | 11.11 | 0.27 | 1.25 | 2.58 | 0.4 | BDL | 2.35 | 0.032 | 67.07 | 11.08 |
| LP0197 | LHA027 | 0 | 0.5 | 25.75 | 0.06 | 2.99 | 6.58 | 0.78 | BDL | 3.45 | 0.077 | 20.44 | 31.37 |
| LP0198 | LHA027 | 0.5 | 1 | 24.22 | 0.07 | 2.86 | 6.34 | 0.72 | BDL | 3.32 | 0.077 | 24.95 | 28.98 |
| LP0199 | LHA027 | 1 | 1.5 | 15.73 | 0.12 | 1.68 | 3.84 | 0.54 | BDL | 2.49 | 0.048 | 52.86 | 17.22 |
| LP0201 | LHA028 | 0 | 0.5 | 25.78 | 0.14 | 3.03 | 6.37 | 0.73 | BDL | 3.36 | 0.081 | 22.55 | 29.8 |
| LP0202 | LHA028 | 0.5 | 1 | 27.94 | 0.05 | 3.4 | 7.38 | 0.7 | BDL | 3.03 | 0.086 | 15.29 | 32.5 |
| LP0203 | LHA028 | 1 | 1.55 | 20.25 | 0.08 | 2.21 | 4.84 | 0.69 | BDL | 3.18 | 0.073 | 39.71 | 21.96 |
| LP0204 | LHA029 | 0 | 0.5 | 26.9 | 0.06 | 3.08 | 6.71 | 0.82 | BDL | 3.52 | 0.078 | 19.11 | 31.5 |
| LP0205 | LHA029 | 0.5 | 1 | 24.63 | 0.05 | 2.94 | 6.3 | 0.71 | BDL | 3.11 | 0.075 | 25.31 | 28.97 |
| LP0206 | LHA029 | 1 | 1.6 | 16.63 | 0.09 | 1.72 | 3.45 | 0.68 | BDL | 3.18 | 0.06 | 51.77 | 16.68 |
| LP0207 | LHA030 | 0 | 0.5 | 26.68 | 0.08 | 3.05 | 6.6 | 0.83 | BDL | 3.58 | 0.08 | 19.56 | 30.91 |
| LP0208 | LHA030 | 0.5 | 1 | 21.67 | 0.06 | 2.37 | 5.74 | 0.64 | BDL | 3.01 | 0.063 | 33.96 | 25.47 |
| LP0209 | LHA030 | 1 | 1.55 | 11.62 | 0.25 | 1.23 | 2.66 | 0.48 | BDL | 2.75 | 0.036 | 64.39 | 11.72 |
| LP0210 | LHA031 | 0 | 0.5 | 26.86 | 0.08 | 3.18 | 6.64 | 0.8 | BDL | 3.49 | 0.082 | 19.13 | 31.34 |
| LP0211 | LHA031 | 0.5 | 1 | 25.04 | 0.05 | 2.99 | 6.6 | 0.71 | BDL | 3.11 | 0.076 | 25.56 | 29.45 |
| LP0212 | LHA031 | 1 | 1.75 | 18.96 | 0.07 | 1.52 | 2.87 | 0.68 | BDL | 3.42 | 0.056 | 52.45 | 17.3 |
| LP0213 | LHA032 | 0 | 0.5 | 26.99 | 0.11 | 3.17 | 6.76 | 0.8 | BDL | 3.54 | 0.08 | 18.59 | 31.68 |
| LP0214 | LHA032 | 0.5 | 1 | 26.17 | 0.05 | 3.24 | 6.96 | 0.74 | BDL | 3.23 | 0.08 | 19.67 | 31.21 |
| LP0215 | LHA032 | 1 | 1.5 | 18.52 | 0.07 | 1.96 | 4.24 | 0.73 | BDL | 3.4 | 0.067 | 44.75 | 19.34 |
| LP0216 | LHA033 | 0 | 0.5 | 26.69 | 0.07 | 3.13 | 6.66 | 0.82 | BDL | 3.62 | 0.082 | 19.47 | 32.24 |
| LP0217 | LHA033 | 0.5 | 1 | 25.43 | 0.05 | 3.19 | 6.7 | 0.73 | BDL | 3.19 | 0.085 | 21.74 | 31.2 |
| LP0218 | LHA033 | 1 | 1.5 | 17.92 | 0.06 | 1.76 | 4.13 | 0.66 | BDL | 3.34 | 0.06 | 45.85 | 19.39 |
| LP0219 | LHA034 | 0 | 0.5 | 26.81 | 0.06 | 3.03 | 6.88 | 0.82 | BDL | 3.64 | 0.075 | 18.21 | 32.79 |
| LP0220 | LHA034 | 0.5 | 1 | 19.38 | 0.07 | 2.48 | 4.73 | 0.57 | BDL | 2.5 | 0.053 | 41.92 | 22.32 |
| LP0221 | LHA035 | 0 | 0.5 | 27.21 | 0.12 | 3.26 | 6.64 | 0.81 | BDL | 3.59 | 0.084 | 19.15 | 32.18 |
| LP0222 | LHA035 | 0.5 | 1 | 20.31 | 0.06 | 2.34 | 5.34 | 0.57 | BDL | 2.84 | 0.058 | 37.74 | 24.45 |
| LP0223 | LHA035 | 1 | 1.7 | 14.9 | 0.12 | 1.4 | 3.25 | 0.56 | BDL | 2.97 | 0.048 | 56.59 | 15.6 |
| LP0224 | LHA036 | 0 | 0.5 | 27.4 | 0.12 | 3.23 | 6.82 | 0.8 | BDL | 3.63 | 0.082 | 18.13 | 32.79 |
| LP0226 | LHA036 | 0.5 | 1 | 25.44 | 0.05 | 3.03 | 6.71 | 0.71 | BDL | 3.28 | 0.077 | 22.68 | 30.58 |
| LP0227 | LHA036 | 1 | 1.75 | 18.61 | 0.06 | 1.48 | 2.92 | 0.66 | BDL | 3.29 | 0.051 | 50.83 | 18.2 |
| LP0228 | LHA037 | 0 | 0.5 | 27.31 | 0.09 | 3.16 | 6.85 | 0.81 | BDL | 3.63 | 0.082 | 18.05 | 33.03 |
| LP0229 | LHA037 | 0.5 | 1 | 26.19 | 0.05 | 3.13 | 6.89 | 0.75 | BDL | 3.32 | 0.082 | 19.39 | 31.87 |
| LP0230 | LHA037 | 1 | 1.6 | 18.99 | 0.06 | 1.84 | 4.27 | 0.67 | BDL | 3.11 | 0.062 | 44.83 | 20.76 |
| LP0231 | LHA038 | 0 | 0.5 | 27.23 | 0.08 | 3.05 | 7.01 | 0.81 | BDL | 3.45 | 0.076 | 17.49 | 33.11 |
| LP0232 | LHA038 | 0.5 | 1 | 22.88 | 0.05 | 2.78 | 5.98 | 0.66 | BDL | 2.86 | 0.077 | 30.69 | 27.24 |
| LP0233 | LHA038 | 1 | 1.5 | 17.03 | 0.04 | 0.53 | 1.11 | 0.46 | BDL | 2.44 | 0.016 | 63.22 | 12.4 |
| LP0234 | LHA039 | 0 | 0.5 | 25.88 | 0.08 | 3.01 | 6.68 | 0.82 | BDL | 3.59 | 0.075 | 20.82 | 31.61 |
| LP0235 | LHA039 | 0.5 | 1 | 22.22 | 0.05 | 2.14 | 4.93 | 0.6 | BDL | 3.13 | 0.05 | 35.83 | 24.49 |
| LP0236 | LHA040 | 0 | 0.5 | 26.76 | 0.07 | 3.08 | 6.83 | 0.85 | BDL | 3.63 | 0.076 | 18.79 | 32.28 |
| LP0237 | LHA040 | 0.5 | 1 | 23.47 | 0.05 | 2.77 | 6.07 | 0.69 | BDL | 3.45 | 0.062 | 27.78 | 28.23 |
| LP0238 | LHA041 | 0 | 0.5 | 27.42 | 0.07 | 3.09 | 6.89 | 0.83 | BDL | 3.47 | 0.08 | 17.9 | 32.68 |
| LP0239 | LHA041 | 0.5 | 1 | 24.78 | 0.07 | 3.2 | 6.42 | 0.71 | BDL | 3.15 | 0.08 | 24.12 | 30.3 |
| LP0241 | LHA041 | 1 | 1.65 | 19.04 | 0.06 | 2.49 | 4.87 | 0.61 | BDL | 2.52 | 0.074 | 42.77 | 22.35 |
| LP0242 | LHA042 | 0 | 0.5 | 27.65 | 0.07 | 3.22 | 6.94 | 0.81 | BDL | 3.45 | 0.083 | 17.49 | 33.16 |
| LP0243 | LHA042 | 0.5 | 1 | 24.59 | 0.05 | 2.96 | 6.48 | 0.7 | BDL | 3.22 | 0.077 | 24.76 | 28.9 |
| LP0244 | LHA042 | 1 | 1.55 | 19.75 | 0.07 | 1.88 | 4.59 | 0.72 | BDL | 3.36 | 0.065 | 40.42 | 21.6 |
| LP0245 | LHA043 | 0 | 0.5 | 27.09 | 0.07 | 3.17 | 6.69 | 0.79 | BDL | 3.55 | 0.082 | 19.21 | 31.8 |
| LP0246 | LHA043 | 0.5 | 1 | 19.11 | 0.09 | 2.09 | 4.83 | 0.6 | BDL | 2.86 | 0.051 | 42.57 | 21.73 |
| LP0247 | LHA044 | 0 | 0.5 | 27.19 | 0.2 | 3.22 | 6.74 | 0.82 | BDL | 3.61 | 0.083 | 18 | 32.41 |
| LP0248 | LHA044 | 0.5 | 1 | 22.09 | 0.07 | 2.51 | 5.83 | 0.62 | BDL | 2.92 | 0.065 | 32.36 | 27.02 |
| LP0249 | LHA044 | 1 | 1.5 | 18.63 | 0.07 | 1.9 | 4.43 | 0.66 | BDL | 3.15 | 0.065 | 43.81 | 20.49 |
| LP0250 | LHA045 | 0 | 0.5 | 27.22 | 0.1 | 3.2 | 6.71 | 0.81 | BDL | 3.5 | 0.085 | 19.03 | 31.69 |
| LP0251 | LHA045 | 0.5 | 1 | 19.89 | 0.09 | 2.08 | 5.2 | 0.58 | BDL | 2.73 | 0.057 | 39.67 | 24.2 |
| LP0252 | LHA046 | 0 | 0.5 | 27.84 | 0.1 | 3.16 | 6.96 | 0.81 | BDL | 3.4 | 0.083 | 17.08 | 32.81 |

| Sample | Hole | From | To | Al2O3% | CaO% | Fe2O3% | K2O% | MgO% | MnO% | Na2O% | P2O5% | SiO2% | LOI% |
|--------|------|------|-----|--------|------|--------|------|------|------|-------|-------|-------|------|
| LP0253 | LHA046 | 0.5 | 1 | 23.57 | 0.05 | 2.76 | 6.08 | 0.66 | BDL | 2.79 | 0.078 | 28.67 | 27.9 |
| LP0254 | LHA046 | 1 | 1.6 | 18.44 | 0.06 | 1.65 | 4.46 | 0.64 | BDL | 3.14 | 0.054 | 44.63 | 20.68 |
| LP0255 | LHA047 | 0 | 0.5 | 26.5 | 0.07 | 2.93 | 6.9 | 0.8 | BDL | 3.47 | 0.072 | 18.73 | 32.3 |
| LP0256 | LHA047 | 0.5 | 0.8 | 21.91 | 0.05 | 2.16 | 5.72 | 0.59 | BDL | 2.76 | 0.052 | 33.15 | 26.78 |
| LP0257 | LHA048 | 0 | 0.5 | 27.34 | 0.09 | 3.03 | 7.03 | 0.8 | BDL | 3.26 | 0.075 | 17.27 | 33.23 |
| LP0258 | LHA048 | 0.5 | 1 | 21.7 | 0.05 | 2.69 | 5.82 | 0.58 | BDL | 2.63 | 0.064 | 33.36 | 26.44 |
| LP0259 | LHA049 | 0 | 0.5 | 27.16 | 0.1 | 3.04 | 6.97 | 0.77 | BDL | 3.06 | 0.078 | 18.8 | 33.2 |
| LP0261 | LHA049 | 0.5 | 1 | 25.59 | 0.05 | 3.11 | 6.68 | 0.69 | BDL | 2.96 | 0.08 | 22.71 | 30.65 |
| LP0262 | LHA049 | 1 | 1.6 | 16.27 | 0.05 | 1.37 | 3.79 | 0.55 | BDL | 2.67 | 0.047 | 52.89 | 17.81 |
| LP0263 | LHA050 | 0 | 0.5 | 27.4 | 0.1 | 3.17 | 6.8 | 0.79 | BDL | 3.13 | 0.084 | 18.01 | 33.07 |
| LP0264 | LHA050 | 0.5 | 1.1 | 18.88 | 0.06 | 1.87 | 4.17 | 0.55 | BDL | 2.59 | 0.045 | 46.49 | 20.82 |
| LP0265 | LHA051 | 0 | 0.5 | 27.59 | 0.07 | 3.1 | 6.89 | 0.8 | BDL | 3.26 | 0.084 | 18.06 | 33.45 |
| LP0266 | LHA051 | 0.5 | 1 | 23.18 | 0.06 | 2.73 | 5.94 | 0.61 | BDL | 2.82 | 0.076 | 30.57 | 27.67 |
| LP0267 | LHA051 | 1 | 1.55 | 16.96 | 0.06 | 1.68 | 4.18 | 0.51 | BDL | 2.7 | 0.048 | 49.22 | 19.14 |
| LP0268 | LHA052 | 0 | 0.5 | 26.66 | 0.13 | 2.84 | 6.85 | 0.77 | BDL | 3.52 | 0.073 | 18.45 | 33.03 |
| LP0269 | LHA052 | 0.5 | 1 | 23.73 | 0.05 | 2.99 | 6.2 | 0.63 | BDL | 2.99 | 0.08 | 28.46 | 28.71 |
| LP0270 | LHA052 | 1 | 1.5 | 15.05 | 0.05 | 1.39 | 3.73 | 0.43 | BDL | 2.33 | 0.037 | 52.75 | 16.99 |
| LP0271 | LHA053 | 0 | 0.5 | 26.9 | 0.07 | 2.86 | 7.05 | 0.76 | BDL | 3.45 | 0.071 | 17.52 | 33.39 |
| LP0272 | LHA053 | 0.5 | 0.9 | 21.33 | 0.06 | 3.9 | 5.79 | 0.54 | BDL | 2.94 | 0.062 | 31.62 | 26.26 |
| LP0273 | LHA054 | 0 | 0.75 | 24.1 | 0.13 | 2.56 | 6.42 | 0.68 | BDL | 3.48 | 0.057 | 25.59 | 30.49 |
| LP0274 | LHA055 | 0 | 0.7 | 24.86 | 0.17 | 2.96 | 6.09 | 0.64 | BDL | 2.68 | 0.075 | 27.02 | 28.36 |
| LP0276 | LHA056 | 0 | 0.5 | 27.21 | 0.2 | 3.07 | 6.81 | 0.79 | BDL | 3.47 | 0.081 | 17.68 | 32.84 |
| LP0277 | LHA056 | 0.5 | 0.9 | 22.39 | 0.05 | 2.28 | 6.06 | 0.58 | BDL | 2.7 | 0.061 | 30.98 | 27.33 |
| LP0278 | LHA057 | 0 | 0.5 | 27.38 | 0.06 | 3.02 | 6.97 | 0.8 | BDL | 3.35 | 0.079 | 17.69 | 33.28 |
| LP0279 | LHA057 | 0.5 | 1 | 23.53 | 0.04 | 2.97 | 6.22 | 0.59 | BDL | 2.6 | 0.076 | 29.11 | 28.37 |
| LP0281 | LHA057 | 1 | 1.45 | 16.5 | 0.05 | 2.15 | 4.3 | 0.51 | BDL | 2.51 | 0.049 | 48.95 | 18.8 |
| LP0282 | LHA058 | 0 | 0.5 | 27.14 | 0.06 | 2.83 | 7.04 | 0.78 | BDL | 3.3 | 0.071 | 18.16 | 32.96 |
| LP0283 | LHA058 | 0.5 | 1 | 22.71 | 0.05 | 3.06 | 6.05 | 0.59 | BDL | 2.75 | 0.073 | 30.73 | 25.98 |
| LP0284 | LHA058 | 1 | 1.45 | 8.25 | 0.03 | 3.83 | 1.92 | 0.27 | BDL | 1.51 | 0.023 | 71.23 | 10.04 |
| LP0285 | LHA059 | 0 | 0.75 | 27.04 | 0.06 | 2.97 | 7.32 | 0.7 | BDL | 3.29 | 0.066 | 16.7 | 33.97 |
| LP0286 | LHA060 | 0 | 0.7 | 26.4 | 0.12 | 3.41 | 7.47 | 0.67 | BDL | 3.27 | 0.054 | 16 | 33.63 |
| LP0287 | LHA061 | 0 | 0.5 | 27.17 | 0.1 | 3.03 | 7 | 0.76 | BDL | 3.16 | 0.075 | 18.4 | 33.09 |
| LP0288 | LHA061 | 0.5 | 0.9 | 23.23 | 0.08 | 3.7 | 6.25 | 0.56 | BDL | 2.55 | 0.067 | 28.4 | 28.61 |
| LP0289 | LHA062 | 0 | 0.5 | 27.46 | 0.07 | 3.18 | 6.9 | 0.76 | BDL | 3.08 | 0.084 | 18.56 | 32.87 |
| LP0290 | LHA062 | 0.5 | 1 | 23.9 | 0.05 | 3.13 | 6.37 | 0.54 | BDL | 2.29 | 0.07 | 27.71 | 28.83 |
| LP0291 | LHA062 | 1 | 1.3 | 13.83 | 0.05 | 4.85 | 3.85 | 0.34 | BDL | 1.68 | 0.043 | 53.14 | 17.88 |
| LP0292 | LHA063 | 0 | 0.5 | 27.41 | 0.1 | 3.21 | 6.68 | 0.74 | BDL | 2.96 | 0.084 | 20.13 | 33.04 |
| LP0293 | LHA063 | 0.5 | 1 | 27.08 | 0.06 | 4.2 | 7.72 | 0.53 | BDL | 2.25 | 0.079 | 16.13 | 34.15 |
| LP0294 | LHA064 | 0 | 0.35 | 23.29 | 0.07 | 7.78 | 6.37 | 0.68 | BDL | 3.25 | 0.056 | 20.62 | 30.47 |
| LP0295 | LHA065 | 0 | 0.7 | 25.8 | 0.07 | 4.48 | 7.28 | 0.71 | BDL | 3.38 | 0.061 | 15.96 | 33.1 |
| LP0296 | LHA066 | 0 | 0.5 | 26.57 | 0.07 | 3.16 | 6.97 | 0.77 | BDL | 3.34 | 0.067 | 18.9 | 32.86 |
| LP0297 | LHA066 | 0.5 | 1 | 22.31 | 0.05 | 3.67 | 6.02 | 0.58 | BDL | 2.64 | 0.059 | 30.12 | 27.24 |
| LP0298 | LHA066 | 1 | 1.3 | 16.67 | 0.05 | 6.99 | 4.81 | 0.42 | BDL | 2.08 | 0.041 | 42.06 | 21.65 |
| LP0299 | LHA067 | 0 | 0.5 | 26.94 | 0.11 | 3.23 | 6.77 | 0.73 | BDL | 3.11 | 0.08 | 20.21 | 32.11 |
| LP0301 | LHA067 | 0.5 | 0.8 | 27.1 | 0.04 | 4.19 | 7.59 | 0.55 | BDL | 2.3 | 0.069 | 17.11 | 33.31 |
| LP0302 | LHA068 | 0 | 0.5 | 23.22 | 0.48 | 3.43 | 5.38 | 0.56 | BDL | 2.21 | 0.077 | 31.92 | 27.78 |
| LP0303 | LHA069 | 0 | 0.6 | 22.52 | 0.25 | 2.76 | 5.17 | 0.57 | BDL | 2.4 | 0.072 | 35.32 | 25.41 |
| LP0304 | LHA070 | 0 | 0.5 | 25.79 | 0.1 | 2.68 | 6.59 | 0.7 | BDL | 3 | 0.071 | 22.67 | 31.19 |
| LP0305 | LHA070 | 0.5 | 1.1 | 25.68 | 0.07 | 3.07 | 6.74 | 0.57 | BDL | 2.6 | 0.06 | 22.92 | 30.64 |
| LP0306 | LHA071 | 0 | 0.5 | 25.36 | 0.06 | 3.15 | 6.63 | 0.71 | BDL | 3.39 | 0.067 | 21.94 | 31.6 |
| LP0307 | LHA071 | 0.5 | 0.8 | 20.12 | 0.07 | 4.96 | 5.85 | 0.48 | BDL | 2.5 | 0.051 | 33.18 | 26.48 |
| LP0308 | LHA072 | 0 | 0.35 | 26.19 | 0.06 | 3.6 | 7.11 | 0.68 | BDL | 3.24 | 0.062 | 18.13 | 33.35 |
| LP0309 | LHA073 | 0 | 0.4 | 24.77 | 0.11 | 6.64 | 6.9 | 0.71 | BDL | 3.08 | 0.07 | 18.69 | 32.63 |
| LP0310 | LHA074 | 0 | 0.75 | 26.34 | 0.11 | 2.91 | 7.11 | 0.77 | BDL | 3.68 | 0.07 | 18.56 | 31.36 |
| LP0311 | LHA075 | 0 | 0.5 | 25.46 | 0.21 | 2.62 | 6.52 | 0.83 | BDL | 3.5 | 0.071 | 22.39 | 30.59 |
| LP0312 | LHA075 | 0.5 | 1.1 | 23.6 | 0.06 | 2.93 | 5.75 | 0.65 | BDL | 3.1 | 0.058 | 29.54 | 27.75 |
| LP0313 | LHA076 | 0 | 0.45 | 23.88 | 0.17 | 2.78 | 5.88 | 0.7 | BDL | 2.89 | 0.073 | 28.9 | 28.15 |
| LP0314 | LHA077 | 0 | 0.5 | 23.73 | 0.25 | 2.65 | 5.92 | 0.78 | BDL | 3.6 | 0.068 | 27.89 | 27.96 |
| LP0315 | LHA077 | 0.5 | 1 | 20.91 | 0.06 | 2.18 | 4.12 | 0.6 | BDL | 2.97 | 0.04 | 42.25 | 23.1 |
| LP0316 | LHA078 | 0 | 0.75 | 22.62 | 0.11 | 2.52 | 5.81 | 0.66 | BDL | 3.08 | 0.062 | 30.4 | 26.9 |
| LP0317 | LHA079 | 0 | 0.45 | 19.58 | 0.17 | 2.21 | 4.75 | 0.64 | BDL | 2.8 | 0.06 | 41.26 | 23.23 |
| LP0318 | LHA080 | 0 | 0.4 | 18.79 | 0.49 | 2.09 | 4.25 | 0.64 | BDL | 2.83 | 0.049 | 43.36 | 22.06 |
| LP0319 | LHA081 | 0 | 0.5 | 22.95 | 0.09 | 2.63 | 5.41 | 0.65 | BDL | 2.92 | 0.055 | 32.89 | 26.28 |
| LP0321 | LHA081 | 0.5 | 1 | 26.79 | 0.13 | 2.96 | 6.12 | 0.72 | BDL | 3.27 | 0.062 | 22.91 | 30.41 |
| LP0322 | LHA081 | 1 | 1.4 | 27.32 | 0.06 | 3.14 | 6.22 | 0.73 | BDL | 3.32 | 0.064 | 22.17 | 30.47 |

| Sample | Hole | From | To | Al2O3% | CaO% | Fe2O3% | K2O% | MgO% | MnO% | Na2O% | P2O5% | SiO2% | LOI% |
|--------|------|------|-----|--------|------|--------|------|------|------|-------|-------|-------|------|
| LP0323 | LHA082 | 0 | 0.5 | 23.85 | 0.07 | 2.62 | 5.4 | 0.67 | BDL | 2.99 | 0.05 | 32.16 | 26.85 |
| LP0324 | LHA082 | 0.5 | 1 | 24.2 | 0.08 | 3 | 4.79 | 0.65 | BDL | 2.91 | 0.063 | 34.55 | 25.59 |
| LP0326 | LHA082 | 1 | 1.5 | 25.52 | 0.06 | 2.7 | 5.84 | 0.7 | BDL | 2.93 | 0.054 | 26.39 | 29.29 |
| LP0327 | LHA082 | 1.5 | 2.2 | 21.4 | 0.1 | 2.74 | 4.52 | 0.63 | BDL | 3.17 | 0.038 | 39.42 | 22.57 |
| LP0328 | LHA083 | 0 | 0.5 | 19.77 | 0.12 | 2.42 | 3.68 | 0.57 | BDL | 2.69 | 0.049 | 46.94 | 20.49 |
| LP0329 | LHA083 | 0.5 | 1 | 27.6 | 0.05 | 2.99 | 6.27 | 0.75 | BDL | 3.34 | 0.057 | 21.21 | 31.18 |
| LP0330 | LHA083 | 1 | 1.5 | 21.2 | 0.11 | 2.74 | 3.92 | 0.65 | BDL | 3.03 | 0.052 | 42.59 | 21.24 |
| LP0331 | LHA083 | 1.5 | 2.2 | 17.68 | 0.13 | 1.86 | 3.21 | 0.52 | BDL | 2.88 | 0.028 | 52.02 | 18.07 |
| LP0332 | LHA084 | 0 | 0.5 | 25.84 | 0.07 | 3.51 | 4.91 | 0.76 | BDL | 3.26 | 0.067 | 30.08 | 27.52 |
| LP0333 | LHA084 | 0.5 | 1 | 26.67 | 0.06 | 2.99 | 5.9 | 0.74 | BDL | 3.37 | 0.061 | 24.64 | 29.21 |
| LP0334 | LHA084 | 1 | 1.5 | 22.01 | 0.08 | 2.34 | 4.69 | 0.65 | BDL | 3.23 | 0.043 | 37.76 | 24.81 |
| LP0335 | LHA084 | 1.5 | 2.2 | 16.52 | 0.17 | 2.41 | 3.29 | 0.51 | BDL | 3.02 | 0.025 | 52.79 | 17.47 |
| LP0336 | LHA085 | 0 | 0.5 | 23.97 | 0.06 | 2.75 | 5.27 | 0.76 | BDL | 3.42 | 0.049 | 31.52 | 28.3 |
| LP0337 | LHA085 | 0.5 | 1 | 27.79 | 0.05 | 3.26 | 6.12 | 0.78 | BDL | 3.32 | 0.064 | 21.96 | 31.25 |
| LP0338 | LHA085 | 1 | 1.3 | 23.47 | 0.08 | 2.76 | 4.44 | 0.72 | BDL | 3.21 | 0.056 | 36.85 | 24.71 |
| LP0339 | LHA086 | 0 | 0.5 | 25.43 | 0.06 | 2.96 | 5.45 | 0.83 | BDL | 3.65 | 0.051 | 27.96 | 29.07 |
| LP0341 | LHA086 | 0.5 | 1 | 27.57 | 0.05 | 3.18 | 6.05 | 0.83 | BDL | 3.76 | 0.063 | 21.46 | 30.97 |
| LP0342 | LHA086 | 1 | 1.3 | 23.94 | 0.08 | 2.87 | 4.43 | 0.74 | BDL | 3.34 | 0.055 | 35.91 | 24.84 |
| LP0343 | LHA087 | 0 | 0.5 | 25.91 | 0.05 | 2.92 | 5.56 | 0.82 | BDL | 3.66 | 0.052 | 27.03 | 29.17 |
| LP0344 | LHA087 | 0.5 | 1 | 26.93 | 0.06 | 3.13 | 5.89 | 0.81 | BDL | 3.79 | 0.062 | 23.65 | 30.29 |
| LP0345 | LHA087 | 1 | 1.4 | 22.57 | 0.07 | 2.49 | 3.58 | 0.71 | BDL | 3.51 | 0.05 | 41.47 | 22.71 |
| LP0346 | LHA088 | 0 | 0.5 | 25.54 | 0.06 | 3.05 | 5.32 | 0.83 | BDL | 3.6 | 0.055 | 28.41 | 29.37 |
| LP0347 | LHA088 | 0.5 | 1 | 26.64 | 0.06 | 3.22 | 5.65 | 0.82 | BDL | 3.78 | 0.065 | 25.06 | 29.88 |
| LP0348 | LHA088 | 1 | 1.5 | 20.19 | 0.2 | 2.61 | 3.31 | 0.63 | BDL | 3.1 | 0.045 | 47.76 | 19.9 |
| LP0349 | LHA089 | 0 | 0.5 | 26.02 | 0.07 | 3.18 | 5.31 | 0.81 | BDL | 3.65 | 0.058 | 27.98 | 29.26 |
| LP0350 | LHA089 | 0.5 | 1 | 26.84 | 0.06 | 3.23 | 5.62 | 0.77 | BDL | 3.61 | 0.064 | 25.29 | 30.05 |
| LP0351 | LHA089 | 1 | 1.4 | 19.29 | 0.17 | 2.55 | 2.81 | 0.62 | BDL | 3.19 | 0.048 | 51.01 | 18.62 |
| LP0352 | LHA090 | 0 | 0.5 | 26.31 | 0.09 | 3.32 | 5.23 | 0.81 | BDL | 3.57 | 0.06 | 27.65 | 29.35 |
| LP0353 | LHA090 | 0.5 | 1 | 26.55 | 0.07 | 3.35 | 5.38 | 0.81 | BDL | 3.68 | 0.067 | 25.73 | 29.72 |
| LP0354 | LHA090 | 1 | 1.45 | 23.32 | 0.12 | 3.21 | 3.69 | 0.72 | BDL | 3.52 | 0.051 | 39.12 | 23.18 |
| LP0355 | LHA091 | 0 | 0.5 | 25.09 | 0.06 | 2.81 | 5.31 | 0.73 | BDL | 2.99 | 0.054 | 30.43 | 28.76 |
| LP0356 | LHA091 | 0.5 | 1.25 | 26.31 | 0.09 | 3.06 | 5.6 | 0.85 | BDL | 4.02 | 0.06 | 25.3 | 29.49 |
| LP0357 | LHA092 | 0 | 0.5 | 26.69 | 0.05 | 2.97 | 5.73 | 0.82 | BDL | 3.67 | 0.056 | 24.9 | 30.19 |
| LP0358 | LHA092 | 0.5 | 1 | 27.93 | 0.05 | 3.14 | 6.2 | 0.84 | BDL | 3.92 | 0.063 | 20.12 | 31.26 |
| LP0359 | LHA092 | 1 | 1.5 | 22.13 | 0.05 | 2.18 | 3.33 | 0.63 | BDL | 2.98 | 0.04 | 45.06 | 22.26 |
| LP0361 | LHA093 | 0 | 0.5 | 26.9 | 0.05 | 3.03 | 5.8 | 0.82 | BDL | 3.61 | 0.056 | 24.53 | 30.52 |
| LP0362 | LHA093 | 0.5 | 1 | 28.02 | 0.05 | 3.13 | 6.23 | 0.82 | BDL | 3.76 | 0.064 | 18.81 | 32.65 |
| LP0363 | LHA093 | 1 | 1.3 | 23.21 | 0.06 | 2.59 | 3.98 | 0.72 | BDL | 3.51 | 0.061 | 39.13 | 23.55 |
| LP0364 | LHA094 | 0 | 0.5 | 26.78 | 0.05 | 3 | 5.85 | 0.8 | BDL | 3.51 | 0.055 | 24.24 | 30.4 |
| LP0365 | LHA094 | 0.5 | 1.25 | 27.57 | 0.06 | 3.24 | 5.95 | 0.79 | BDL | 3.6 | 0.063 | 22.22 | 30.73 |
| LP0366 | LHA095 | 0 | 0.5 | 26.75 | 0.06 | 3.01 | 5.87 | 0.78 | BDL | 3.39 | 0.056 | 24.34 | 30.69 |
| LP0367 | LHA095 | 0.5 | 1.2 | 27.81 | 0.05 | 3.21 | 6.13 | 0.76 | BDL | 3.39 | 0.063 | 21.27 | 30.81 |
| LP0368 | LHA096 | 0 | 0.5 | 26.66 | 0.06 | 3.09 | 5.81 | 0.75 | BDL | 3.22 | 0.058 | 25.35 | 30.44 |
| LP0369 | LHA096 | 0.5 | 1.2 | 27.38 | 0.05 | 3.22 | 6.04 | 0.73 | BDL | 3.33 | 0.063 | 22.77 | 31.17 |
| LP0370 | LHA097 | 0 | 0.5 | 26.63 | 0.06 | 3.18 | 5.76 | 0.77 | BDL | 3.21 | 0.058 | 25.92 | 30.92 |
| LP0371 | LHA097 | 0.5 | 1.2 | 27.69 | 0.05 | 3.28 | 6.05 | 0.75 | BDL | 3.17 | 0.065 | 23.16 | 31.13 |
| LP0372 | LHA098 | 0 | 0.5 | 26.84 | 0.06 | 3.2 | 5.8 | 0.74 | BDL | 3.11 | 0.062 | 25.49 | 30.84 |
| LP0373 | LHA098 | 0.5 | 1.25 | 26.18 | 0.05 | 3.15 | 5.45 | 0.73 | BDL | 3.09 | 0.065 | 27.8 | 28.73 |
| LP0374 | LHA099 | 0 | 0.5 | 26.11 | 0.06 | 3.09 | 5.56 | 0.72 | BDL | 3.09 | 0.058 | 27.23 | 29.52 |
| LP0376 | LHA099 | 0.5 | 0.95 | 26.74 | 0.05 | 3.5 | 5.64 | 0.66 | BDL | 2.7 | 0.072 | 27.16 | 29.24 |
| LP0377 | LHA100 | 0 | 0.5 | 24.86 | 0.06 | 2.87 | 5.4 | 0.79 | BDL | 3.52 | 0.055 | 29.37 | 28.77 |
| LP0378 | LHA100 | 0.5 | 1.2 | 26.7 | 0.06 | 2.93 | 5.94 | 0.76 | BDL | 3.43 | 0.06 | 24.55 | 29.56 |
| LP0379 | LHA101 | 0 | 0.5 | 26.94 | 0.06 | 3.13 | 5.85 | 0.75 | BDL | 3.11 | 0.062 | 24.77 | 30.72 |
| LP0381 | LHA101 | 0.5 | 1.2 | 26.86 | 0.05 | 3.03 | 6.08 | 0.74 | BDL | 3.47 | 0.059 | 22.69 | 30.85 |
| LP0382 | LHA102 | 0 | 0.5 | 27.18 | 0.06 | 3.15 | 5.88 | 0.77 | BDL | 3.2 | 0.061 | 24.42 | 30.7 |
| LP0383 | LHA102 | 0.5 | 1.2 | 26.93 | 0.05 | 3.19 | 5.95 | 0.73 | BDL | 3.28 | 0.063 | 23.82 | 29.91 |
| LP0384 | LHA103 | 0 | 0.5 | 27.35 | 0.05 | 3.08 | 6.01 | 0.77 | BDL | 3.23 | 0.059 | 23.55 | 31.11 |
| LP0385 | LHA103 | 0.5 | 1.25 | 27.14 | 0.05 | 3.05 | 6.18 | 0.75 | BDL | 3.19 | 0.058 | 22.68 | 30.44 |
| LP0386 | LHA104 | 0 | 0.5 | 27.25 | 0.05 | 3.09 | 5.95 | 0.8 | BDL | 3.31 | 0.06 | 23.09 | 30.67 |
| LP0387 | LHA104 | 0.5 | 1.2 | 27.92 | 0.06 | 3.23 | 6.11 | 0.79 | BDL | 3.25 | 0.062 | 20.82 | 31.85 |
| LP0388 | LHA105 | 0 | 0.5 | 27.58 | 0.05 | 3.17 | 5.91 | 0.83 | BDL | 3.44 | 0.06 | 22.96 | 31.18 |
| LP0389 | LHA105 | 0.5 | 1.2 | 28.07 | 0.06 | 3.22 | 6.1 | 0.78 | BDL | 3.48 | 0.062 | 21.13 | 31.28 |
| LP0390 | LHA106 | 0 | 0.5 | 27.65 | 0.05 | 3.18 | 5.92 | 0.82 | BDL | 3.56 | 0.059 | 23.12 | 30.77 |
| LP0391 | LHA106 | 0.5 | 1.2 | 27.83 | 0.05 | 3.13 | 5.85 | 0.78 | BDL | 3.78 | 0.06 | 22.37 | 30.26 |
| LP0392 | LHA107 | 0 | 0.5 | 27.27 | 0.05 | 3.03 | 5.88 | 0.83 | BDL | 3.69 | 0.058 | 23.64 | 31.25 |

| Sample | Hole | From | To | Al2O3% | CaO% | Fe2O3% | K2O% | MgO% | MnO% | Na2O% | P2O5% | SiO2% | LOI% |
|--------|------|------|-----|--------|------|--------|------|------|------|-------|-------|-------|------|
| LP0393 | LHA107 | 0.5 | 1.25 | 27.9 | 0.05 | 3.15 | 5.94 | 0.8 | BDL | 3.69 | 0.06 | 21.54 | 31.21 |
| LP0394 | LHA108 | 0 | 0.5 | 27.29 | 0.05 | 3.08 | 5.85 | 0.8 | BDL | 3.53 | 0.058 | 23.62 | 31.22 |
| LP0395 | LHA108 | 0.5 | 1.2 | 27.33 | 0.05 | 2.91 | 5.54 | 0.75 | BDL | 3.34 | 0.059 | 25.65 | 29.62 |
| LP0396 | LHA109 | 0 | 0.5 | 27.49 | 0.05 | 3.08 | 5.96 | 0.8 | BDL | 3.39 | 0.058 | 23.14 | 30.92 |
| LP0397 | LHA109 | 0.5 | 1.2 | 28.55 | 0.05 | 3.17 | 6.22 | 0.8 | BDL | 3.17 | 0.062 | 20.7 | 31.43 |
| LP0398 | LHA110 | 0 | 0.5 | 27.37 | 0.05 | 3.1 | 5.91 | 0.8 | BDL | 3.38 | 0.058 | 23.62 | 31.04 |
| LP0399 | LHA110 | 0.5 | 1.25 | 27.89 | 0.05 | 3.14 | 6.09 | 0.79 | BDL | 3.74 | 0.059 | 21.34 | 30.79 |
| LP0401 | LHA111 | 0 | 0.5 | 27.24 | 0.05 | 3.13 | 5.9 | 0.77 | BDL | 3.47 | 0.06 | 23.28 | 30.72 |
| LP0402 | LHA111 | 0.5 | 1.2 | 27.9 | 0.07 | 3.1 | 6.22 | 0.79 | BDL | 3.85 | 0.061 | 19.61 | 31.39 |
| LP0403 | LHA112 | 0 | 0.5 | 26.82 | 0.06 | 3.1 | 5.83 | 0.78 | BDL | 3.49 | 0.06 | 24.21 | 30.27 |
| LP0404 | LHA112 | 0.5 | 1.2 | 26.15 | 0.05 | 3.16 | 5.83 | 0.74 | BDL | 3.54 | 0.062 | 24.75 | 29.59 |
| LP0405 | LHA113 | 0 | 0.5 | 26.5 | 0.06 | 3.02 | 5.82 | 0.76 | BDL | 3.3 | 0.058 | 25.06 | 30.01 |
| LP0406 | LHA113 | 0.5 | 1.2 | 25.98 | 0.05 | 2.98 | 5.89 | 0.71 | BDL | 3.42 | 0.058 | 25.28 | 29.37 |
| LP0407 | LHA114 | 0 | 0.5 | 23.93 | 0.06 | 2.73 | 5.24 | 0.71 | BDL | 3.35 | 0.054 | 31.41 | 27.73 |
| LP0408 | LHA114 | 0.5 | 1.2 | 24.67 | 0.05 | 2.82 | 5.63 | 0.69 | BDL | 3.71 | 0.054 | 28.25 | 28.13 |
| LP0409 | LHA115 | 0 | 0.5 | 25.41 | 0.05 | 2.87 | 5.66 | 0.75 | BDL | 3.33 | 0.053 | 27.12 | 29.44 |
| LP0410 | LHA115 | 0.5 | 1.2 | 23.63 | 0.05 | 2.58 | 5.57 | 0.62 | BDL | 3.33 | 0.05 | 30.19 | 28.01 |
| LP0411 | LHA116 | 0 | 0.5 | 26.71 | 0.05 | 2.96 | 5.92 | 0.79 | BDL | 3.3 | 0.056 | 24.25 | 29.51 |
| LP0412 | LHA116 | 0.5 | 1.2 | 25.39 | 0.05 | 3.19 | 5.91 | 0.72 | BDL | 3.64 | 0.057 | 25 | 29.73 |
| LP0413 | LHA117 | 0 | 0.5 | 27.09 | 0.05 | 3.07 | 5.93 | 0.8 | BDL | 3.22 | 0.059 | 23.63 | 30.86 |
| LP0414 | LHA117 | 0.5 | 1.15 | 26.96 | 0.04 | 3.04 | 5.99 | 0.73 | BDL | 3.48 | 0.055 | 23.48 | 30.39 |
| LP0415 | LHA118 | 0 | 0.5 | 26.95 | 0.05 | 3.1 | 5.8 | 0.79 | BDL | 3.29 | 0.06 | 24.23 | 30.72 |
| LP0416 | LHA118 | 0.5 | 1.15 | 25.96 | 0.05 | 3.01 | 5.64 | 0.72 | BDL | 3.75 | 0.053 | 25.69 | 29.23 |
| LP0417 | LHA119 | 0 | 0.5 | 26.4 | 0.05 | 3.03 | 5.65 | 0.8 | BDL | 3.28 | 0.058 | 25.51 | 30.47 |
| LP0418 | LHA119 | 0.5 | 1.2 | 25.97 | 0.05 | 2.92 | 5.11 | 0.73 | BDL | 3.51 | 0.053 | 28.39 | 28.2 |
| LP0419 | LHA120 | 0 | 0.5 | 24.14 | 0.06 | 2.84 | 5.08 | 0.76 | BDL | 3.48 | 0.054 | 31.36 | 27.26 |
| LP0421 | LHA120 | 0.5 | 1.1 | 24.25 | 0.05 | 2.74 | 4.82 | 0.73 | BDL | 3.59 | 0.049 | 32.03 | 26.85 |
| LP0422 | LHA121 | 0 | 0.5 | 24.6 | 0.05 | 2.8 | 5.28 | 0.75 | BDL | 3.48 | 0.051 | 29.58 | 28.09 |
| LP0423 | LHA121 | 0.5 | 0.8 | 23.61 | 0.06 | 3 | 4.95 | 0.73 | BDL | 3.47 | 0.051 | 32.66 | 26.72 |
| LP0424 | LHA122 | 0 | 0.5 | 25.54 | 0.05 | 2.8 | 5.56 | 0.78 | BDL | 3.45 | 0.051 | 26.69 | 29.82 |
| LP0426 | LHA122 | 0.5 | 1.1 | 25.25 | 0.05 | 3.13 | 5.32 | 0.73 | BDL | 3.69 | 0.048 | 27.9 | 27.63 |
| LP0427 | LHA123 | 0 | 0.5 | 26.4 | 0.05 | 2.91 | 5.81 | 0.79 | BDL | 3.42 | 0.052 | 24.91 | 29.44 |
| LP0428 | LHA123 | 0.5 | 1.1 | 24.92 | 0.05 | 2.9 | 5.63 | 0.69 | BDL | 3.36 | 0.046 | 27.54 | 27.51 |
| LP0429 | LHA124 | 0 | 0.5 | 26.26 | 0.05 | 2.87 | 5.92 | 0.76 | BDL | 3.44 | 0.052 | 24.85 | 29.28 |
| LP0430 | LHA124 | 0.5 | 1.2 | 25.65 | 0.05 | 2.61 | 6.3 | 0.72 | BDL | 3.67 | 0.048 | 24.3 | 29.22 |
| LP0431 | LHA125 | 0 | 0.5 | 21.5 | 0.05 | 2.45 | 5.03 | 0.67 | BDL | 3.26 | 0.041 | 35.94 | 24.71 |
| LP0432 | LHA125 | 0.5 | 0.8 | 18.15 | 0.05 | 2.65 | 4.78 | 0.53 | BDL | 2.88 | 0.032 | 42.13 | 22.37 |
| LP0433 | LHA126 | 0 | 0.3 | 6.93 | 0.94 | 1.44 | 0.56 | 0.3 | BDL | 1.62 | 0.009 | 80.21 | 5.98 |
| LP0434 | LHA127 | 0 | 0.75 | 20.35 | 0.07 | 2.79 | 4.03 | 0.66 | BDL | 3.37 | 0.041 | 41.99 | 22 |
| LP0435 | LHA128 | 0 | 0.5 | 23.1 | 0.07 | 2.61 | 4.99 | 0.73 | BDL | 3.5 | 0.041 | 33.19 | 26.04 |
| LP0436 | LHA128 | 0.5 | 1.15 | 24.03 | 0.05 | 2.8 | 4.84 | 0.64 | BDL | 3.23 | 0.042 | 33.61 | 25.57 |
| LP0437 | LHA129 | 0 | 0.5 | 24.56 | 0.06 | 2.65 | 5.52 | 0.77 | BDL | 3.66 | 0.042 | 28.33 | 27.69 |
| LP0438 | LHA129 | 0.5 | 1.25 | 22.7 | 0.05 | 2.35 | 5.27 | 0.72 | BDL | 3.72 | 0.037 | 31.74 | 25.22 |
| LP0439 | LHA130 | 0 | 0.5 | 21.18 | 0.05 | 2.15 | 5.16 | 0.65 | BDL | 3.37 | 0.034 | 35.67 | 25.06 |
| LP0441 | LHA130 | 0.5 | 1.15 | 21.7 | 0.05 | 2.74 | 6.17 | 0.65 | BDL | 3.92 | 0.03 | 28.56 | 27.58 |
| LP0442 | LHA131 | 0 | 0.5 | 26.01 | 0.05 | 3.19 | 5.39 | 0.83 | BDL | 3.78 | 0.057 | 26.6 | 28.29 |
| LP0443 | LHA131 | 0.5 | 1 | 24.99 | 0.1 | 3.38 | 5.16 | 0.82 | BDL | 3.75 | 0.06 | 29.82 | 26.53 |
| LP0444 | LHA131 | 1 | 1.4 | 22.34 | 0.12 | 2.56 | 3.06 | 0.74 | BDL | 3.7 | 0.055 | 44.45 | 20.22 |
| LP0445 | LHA132 | 0 | 0.5 | 26.66 | 0.06 | 3.49 | 5.08 | 0.89 | BDL | 3.8 | 0.063 | 27.06 | 29.69 |
| LP0446 | LHA132 | 0.5 | 1.2 | 25.3 | 0.07 | 3.36 | 4.74 | 0.86 | BDL | 4.12 | 0.061 | 30.1 | 26.46 |
| LP0447 | LHA133 | 0 | 0.5 | 26.21 | 0.05 | 3.29 | 5.14 | 0.85 | BDL | 3.78 | 0.059 | 27.4 | 29.35 |
| LP0448 | LHA133 | 0.5 | 1.2 | 26.26 | 0.09 | 3.41 | 5.09 | 0.86 | BDL | 4.14 | 0.063 | 27.1 | 28.57 |
| LP0449 | LHA134 | 0 | 0.5 | 26.86 | 0.05 | 3.37 | 5.2 | 0.87 | BDL | 3.83 | 0.061 | 26.2 | 30.17 |
| LP0450 | LHA134 | 0.5 | 1.25 | 25.82 | 0.06 | 3.36 | 4.7 | 0.86 | BDL | 4.05 | 0.059 | 29.21 | 27.74 |
| LP0451 | LHA135 | 0 | 0.5 | 26.72 | 0.05 | 3.49 | 5.06 | 0.88 | BDL | 3.75 | 0.064 | 26.59 | 29.54 |
| LP0452 | LHA135 | 0.5 | 1.25 | 24.79 | 0.1 | 3.78 | 4.41 | 0.87 | BDL | 3.75 | 0.06 | 32.06 | 25.94 |
| LP0453 | LHA136 | 0 | 0.5 | 26.29 | 0.07 | 3.5 | 4.96 | 0.85 | BDL | 3.71 | 0.064 | 28.3 | 29.25 |
| LP0454 | LHA136 | 0.5 | 1.15 | 25.38 | 0.09 | 3.65 | 4.41 | 0.85 | BDL | 3.93 | 0.06 | 32.25 | 25.59 |
| LP0455 | LHA137 | 0 | 0.5 | 26.8 | 0.05 | 3.48 | 5.03 | 0.85 | BDL | 3.66 | 0.064 | 27.01 | 29.63 |
| LP0456 | LHA137 | 0.5 | 1.2 | 25.6 | 0.07 | 3.44 | 4.27 | 0.89 | BDL | 4.2 | 0.058 | 31.59 | 26.38 |
| LP0457 | LHA138 | 0 | 0.5 | 26.49 | 0.05 | 3.35 | 5.06 | 0.86 | BDL | 3.79 | 0.06 | 27.27 | 30.09 |
| LP0458 | LHA138 | 0.5 | 1.2 | 26.51 | 0.06 | 3.4 | 5.08 | 0.87 | BDL | 4.14 | 0.061 | 25.85 | 28.71 |
| LP0459 | LHA139 | 0 | 0.5 | 24.83 | 0.05 | 3.06 | 4.87 | 0.79 | BDL | 3.57 | 0.056 | 31.07 | 27.85 |
| LP0461 | LHA139 | 0.5 | 0.8 | 20.47 | 0.09 | 2.76 | 3.86 | 0.68 | BDL | 3.37 | 0.054 | 42.86 | 22.19 |
| LP0462 | LHA140 | 0 | 0.5 | 26.66 | 0.05 | 3.38 | 5.04 | 0.85 | BDL | 3.71 | 0.061 | 27.46 | 29.3 |

| Sample | Hole | From | To | Al2O3% | CaO% | Fe2O3% | K2O% | MgO% | MnO% | Na2O% | P2O5% | SiO2% | LOI% |
|--------|------|------|-----|--------|------|--------|------|------|------|-------|-------|-------|------|
| LP0463 | LHA140 | 0.5 | 1.2 | 26.06 | 0.07 | 3.34 | 4.61 | 0.84 | BDL | 4.02 | 0.058 | 29.15 | 27.78 |
| LP0464 | LHA141 | 0 | 0.5 | 26.25 | 0.06 | 3.51 | 4.78 | 0.8 | BDL | 3.54 | 0.064 | 29.43 | 27.79 |
| LP0465 | LHA141 | 0.5 | 1.15 | 26.01 | 0.08 | 5.02 | 4.27 | 0.82 | BDL | 3.34 | 0.062 | 31.23 | 26.08 |
| LP0466 | LHA142 | 0 | 0.5 | 25.78 | 0.06 | 3.49 | 4.8 | 0.83 | BDL | 3.74 | 0.061 | 29.29 | 27.93 |
| LP0467 | LHA142 | 0.5 | 1.15 | 22.92 | 0.11 | 3.3 | 3.75 | 0.73 | BDL | 3.56 | 0.051 | 39.5 | 22.59 |
| LP0468 | LHA143 | 0 | 0.5 | 21.8 | 0.09 | 3.25 | 3.97 | 0.77 | BDL | 3.44 | 0.054 | 39.65 | 22.95 |
| LP0469 | LHA143 | 0.5 | 1.1 | 15.32 | 0.19 | 3.1 | 2.58 | 0.57 | BDL | 2.94 | 0.034 | 56.93 | 14.89 |
| LP0470 | LHA144 | 0 | 0.5 | 25.33 | 0.1 | 3.54 | 4.41 | 0.75 | BDL | 3.51 | 0.062 | 32.42 | 26.31 |
| LP0471 | LHA144 | 0.5 | 1.15 | 23.73 | 0.13 | 3.39 | 3.88 | 0.74 | BDL | 3.61 | 0.052 | 37.53 | 23.14 |
| LP0472 | LHA145 | 0 | 0.5 | 26.5 | 0.05 | 3.51 | 4.79 | 0.83 | BDL | 3.48 | 0.063 | 29.25 | 27.85 |
| LP0473 | LHA145 | 0.5 | 1.15 | 25.92 | 0.08 | 3.57 | 4.56 | 0.88 | BDL | 4.08 | 0.058 | 30.33 | 26.1 |
| LP0474 | LHA146 | 0 | 0.6 | 23.01 | 0.07 | 3 | 4.2 | 0.77 | BDL | 3.46 | 0.056 | 37.31 | 24.55 |
| LP0476 | LHA147 | 0 | 0.6 | 23.82 | 0.07 | 3.13 | 4.21 | 0.78 | BDL | 3.53 | 0.057 | 35.4 | 24.74 |
| LP0477 | LHA148 | 0 | 0.5 | 25.75 | 0.07 | 3.46 | 4.6 | 0.84 | BDL | 3.71 | 0.061 | 30.5 | 27.29 |
| LP0478 | LHA148 | 0.5 | 1.15 | 24.28 | 0.11 | 3.57 | 4.04 | 0.86 | BDL | 4 | 0.056 | 34.65 | 24.42 |
| LP0479 | LHA149 | 0 | 0.5 | 24.53 | 0.07 | 3.42 | 4.34 | 0.84 | BDL | 3.64 | 0.058 | 33.48 | 25.58 |
| LP0481 | LHA149 | 0.5 | 1.1 | 16.9 | 0.23 | 2.96 | 2.89 | 0.64 | BDL | 3.18 | 0.04 | 53.42 | 16.41 |
| LP0482 | LHA150 | 0 | 0.7 | 18.93 | 0.15 | 3.36 | 3.26 | 0.72 | BDL | 3.4 | 0.045 | 47.85 | 18.95 |
| LP0483 | LHA151 | 0 | 0.5 | 24.83 | 0.07 | 3.58 | 4.2 | 0.86 | BDL | 3.62 | 0.057 | 34.21 | 25.39 |
| LP0484 | LHA151 | 0.5 | 0.9 | 19.54 | 0.18 | 3.17 | 3.12 | 0.77 | BDL | 3.66 | 0.048 | 47.46 | 18.86 |
| LP0485 | LHA152 | 0 | 0.6 | 22.37 | 0.08 | 3.1 | 3.83 | 0.78 | BDL | 3.36 | 0.054 | 40.08 | 22.17 |
| LP0486 | LHA153 | 0 | 0.2 | 15.16 | 0.07 | 2.25 | 1.76 | 0.53 | BDL | 2.12 | 0.031 | 62.94 | 12.89 |
| LP0487 | LHA154 | 0 | 0.5 | 24.02 | 0.09 | 3.31 | 3.96 | 0.86 | BDL | 3.76 | 0.054 | 34.9 | 24.64 |
| LP0488 | LHA155 | 0 | 0.7 | 19.63 | 0.2 | 3.15 | 3.12 | 0.72 | BDL | 3.46 | 0.045 | 47.58 | 19.12 |
| LP0489 | LHA156 | 0 | 0.45 | 20.69 | 0.13 | 3.59 | 3.24 | 0.8 | BDL | 3.4 | 0.044 | 45.24 | 20.29 |
| LP0490 | LHA157 | 0 | 0.6 | 20.94 | 0.14 | 3.34 | 3.13 | 0.73 | BDL | 3.51 | 0.047 | 45.3 | 20.33 |
| LP0491 | LHA158 | 0 | 0.25 | 12.19 | 0.07 | 1.71 | 1.47 | 0.39 | BDL | 1.87 | 0.03 | 69.32 | 10.59 |
| LP0492 | LHA159 | 0 | 0.5 | 25.09 | 0.1 | 3.02 | 5.1 | 0.79 | BDL | 3.61 | 0.055 | 29.76 | 27.38 |
| LP0493 | LHA159 | 0.5 | 1 | 24.84 | 0.06 | 3.15 | 5.03 | 0.77 | BDL | 3.46 | 0.061 | 30.44 | 26.01 |
| LP0494 | LHA159 | 1 | 1.3 | 20.79 | 0.28 | 2.27 | 3.97 | 0.66 | BDL | 3.42 | 0.041 | 42.65 | 20.53 |
| LP0495 | LHA160 | 0 | 0.5 | 26.88 | 0.05 | 2.97 | 5.9 | 0.76 | BDL | 3.17 | 0.058 | 23.26 | 30.55 |
| LP0496 | LHA160 | 0.5 | 1.25 | 26.65 | 0.08 | 3.16 | 5.76 | 0.76 | BDL | 3.49 | 0.062 | 24.13 | 29.24 |
| LP0030 | LHP001 | 0 | 0.45 | 26.51 | 0.18 | 2.97 | 6.91 | 0.83 | BDL | 3.49 | 0.06 | 18.63 | 29.36 |
| LP0031 | LHP002 | 0 | 0.4 | 26.84 | 0.27 | 3.30 | 6.63 | 0.88 | BDL | 3.51 | 0.05 | 19.34 | 29.98 |
| LP0049 | LHP002 | 0.4 | 0.6 | 27.29 | 0.06 | 3.17 | 7.44 | 0.74 | BDL | 3.35 | 0.07 | 15.84 | 33.4 |
| LP0032 | LHP003 | 0 | 0.6 | 27.58 | 0.14 | 3.32 | 7.07 | 0.82 | BDL | 3.48 | 0.08 | 16.67 | 30.21 |
| LP0033 | LHP004 | 0 | 0.6 | 24.98 | 0.11 | 3.16 | 6.17 | 0.71 | BDL | 3.02 | 0.08 | 25.71 | 27.04 |
| LP0034 | LHP005 | 0 | 0.6 | 27.53 | 0.08 | 3.26 | 7.1 | 0.81 | BDL | 3.46 | 0.08 | 17.13 | 29.25 |
| LP0035 | LHP006 | 0 | 0.6 | 26.3 | 0.11 | 3.19 | 6.7 | 0.87 | BDL | 3.59 | 0.08 | 20.12 | 28.58 |
| LP0036 | LHP007 | 0 | 0.6 | 27.47 | 0.1 | 3.12 | 7.09 | 0.83 | BDL | 3.55 | 0.08 | 17.09 | 25.27 |
| LP0037 | LHP008 | 0 | 0.55 | 27.23 | 0.13 | 3.16 | 7.03 | 0.78 | BDL | 3.47 | 0.08 | 17.98 | 31.15 |
| LP0038 | LHP009 | 0 | 0.6 | 26.54 | 0.09 | 3.33 | 6.93 | 0.87 | BDL | 3.66 | 0.08 | 18.52 | 27.19 |
| LP0039 | LHP010 | 0 | 0.7 | 25.99 | 0.06 | 3.02 | 5.5 | 0.78 | BDL | 3.28 | 0.07 | 27.6 | 25.84 |
| LP0040 | LHP011 | 0 | 0.35 | 25.65 | 0.07 | 3.32 | 5.66 | 0.75 | BDL | 3.13 | 0.06 | 28.38 | 23.06 |
| LP0041 | LHP011 | 0.35 | 0.7 | 26.83 | 0.06 | 3.12 | 6 | 0.77 | BDL | 3.2 | 0.05 | 24.66 | 25.53 |
| LP0028 | LHP012 | 0 | 0.3 | 26.48 | 0.06 | 3.29 | 5.9 | 0.84 | BDL | 3.66 | 0.07 | 24.68 | 24.8 |
| LP0029 | LHP012 | 0.3 | 0.6 | 25.09 | 0.11 | 3.17 | 5.16 | 0.82 | BDL | 3.51 | 0.05 | 30.45 | 24.26 |
| LP0042 | LHP013 | 0 | 0.3 | 22.21 | 0.12 | 3.29 | 4.62 | 0.68 | BDL | 3.18 | 0.06 | 37.94 | 22.06 |
| LP0043 | LHP014 | 0 | 0.5 | 26.23 | 0.06 | 3.27 | 5.63 | 0.76 | BDL | 3.31 | 0.06 | 26.46 | 25.04 |
| LP0044 | LHP015 | 0 | 0.5 | 27.47 | 0.06 | 3.20 | 5.99 | 0.8 | BDL | 3.35 | 0.06 | 22.98 | 26.88 |
| LP0045 | LHP016 | 0 | 0.5 | 27.71 | 0.06 | 3.32 | 5.99 | 0.84 | BDL | 3.48 | 0.06 | 22.38 | 29.27 |
| LP0046 | LHP017 | 0 | 0.5 | 27.48 | 0.05 | 3.16 | 5.87 | 0.81 | BDL | 3.49 | 0.06 | 23.39 | 28.37 |
| LP0047 | LHP018 | 0 | 0.5 | 26.67 | 0.06 | 3.16 | 5.69 | 0.79 | BDL | 3.44 | 0.06 | 24.06 | 29.48 |
| LP0048 | LHP019 | 0 | 0.5 | 26.66 | 0.06 | 3.02 | 5.78 | 0.76 | BDL | 3.31 | 0.07 | 24.18 | 28.61 |
| LP0050 | LHP020 | 0.5 | 0.75 | 12.4 | 0.04 | 10.07 | 5.2 | 0.37 | BDL | 2.32 | 0.052 | 40.87 | 21.83 |
| LP0144 | LHP020 | 0 | 0.5 | 18.43 | 0.19 | 2.16 | 4.81 | 0.63 | BDL | 3.19 | 0.031 | 40.71 | 23.55 |
| LP0051 | LHP021 | 0 | 0.5 | 23.1 | 0.06 | 2.67 | 5.37 | 0.76 | BDL | 3.83 | 0.035 | 30.71 | 26.64 |
| LP0052 | LHP021 | 0.5 | 0.7 | 20.48 | 0.06 | 2.54 | 4.47 | 0.66 | BDL | 3.33 | 0.034 | 40.15 | 21.79 |
| LP0053 | LHP022 | 0 | 0.8 | 16.72 | 0.4 | 2.55 | 3.47 | 0.54 | BDL | 2.85 | 0.032 | 50.35 | 17.7 |
| LP0054 | LHP023 | 0 | 0.8 | 19.81 | 0.14 | 2.92 | 3.76 | 0.64 | BDL | 3.18 | 0.04 | 44.31 | 20.59 |
| LP0055 | LHP024 | 0 | 0.6 | 23.62 | 0.08 | 2.7 | 5.61 | 0.74 | BDL | 3.44 | 0.042 | 29.75 | 27.06 |
| LP0056 | LHP025 | 0 | 0.5 | 25.45 | 0.06 | 2.84 | 5.75 | 0.8 | BDL | 3.71 | 0.046 | 26.18 | 28.46 |
| LP0057 | LHP025 | 0.5 | 0.62 | 26.05 | 0.06 | 3.18 | 5.81 | 0.81 | BDL | 3.48 | 0.054 | 25.23 | 27.92 |
| LP0058 | LHP026 | 0 | 0.5 | 25.63 | 0.05 | 2.98 | 5.59 | 0.79 | BDL | 3.44 | 0.048 | 27.18 | 27.02 |
| LP0059 | LHP026 | 0.5 | 0.62 | 24.55 | 0.05 | 3.14 | 5.17 | 0.77 | BDL | 3.55 | 0.055 | 30.49 | 27.56 |

| Sample | Hole | From | To | Al2O3% | CaO% | Fe2O3% | K2O% | MgO% | MnO% | Na2O% | P2O5% | SiO2% | LOI% |
|--------|------|------|-----|--------|------|--------|------|------|------|-------|-------|-------|------|
| LP0081 | LHP027 | 0 | 0.5 | 24.4 | 0.05 | 2.78 | 5.21 | 0.74 | BDL | 3.33 | 0.048 | 30.98 | 27.49 |
| LP0129 | LHP027 | 0.5 | 0.71 | 24.08 | 0.06 | 3.13 | 4.92 | 0.7 | BDL | 2.88 | 0.053 | 33.63 | 25.47 |
| LP0082 | LHP028 | 0 | 0.1 | 6.61 | 0.05 | 0.9 | 0.99 | 0.29 | BDL | 1.68 | 0.013 | 80.95 | 6.32 |
| LP0060 | LHP029 | 0 | 0.5 | 24 | 0.05 | 2.51 | 5.6 | 0.74 | BDL | 3.36 | 0.045 | 29.21 | 26.7 |
| LP0061 | LHP029 | 0.5 | 0.6 | 17.52 | 0.05 | 2.67 | 4.16 | 0.52 | BDL | 2.52 | 0.041 | 47.24 | 20.83 |
| LP0062 | LHP030 | 0 | 0.5 | 26.79 | 0.05 | 2.87 | 6.08 | 0.78 | BDL | 3.26 | 0.051 | 23.4 | 30.57 |
| LP0063 | LHP030 | 0.5 | 0.6 | 24.88 | 0.05 | 3.43 | 5.26 | 0.75 | BDL | 3.45 | 0.063 | 29.45 | 27.87 |
| LP0064 | LHP031 | 0 | 0.45 | 27.13 | 0.05 | 2.98 | 6.01 | 0.81 | BDL | 3.34 | 0.054 | 22.99 | 30.21 |
| LP0065 | LHP031 | 0.45 | 0.62 | 27.06 | 0.05 | 3.31 | 5.8 | 0.79 | BDL | 3.53 | 0.063 | 23.54 | 29.77 |
| LP0083 | LHP032 | 0 | 0.7 | 26.7 | 0.05 | 3.09 | 5.71 | 0.8 | BDL | 3.37 | 0.056 | 24.68 | 29.83 |
| LP0084 | LHP033 | 0 | 0.82 | 26 | 0.05 | 3.03 | 5.61 | 0.79 | BDL | 3.55 | 0.056 | 26.59 | 28.43 |
| LP0085 | LHP034 | 0 | 0.72 | 22.71 | 0.06 | 2.81 | 4.75 | 0.72 | BDL | 3.34 | 0.049 | 35.14 | 25.37 |
| LP0066 | LHP035 | 0 | 0.56 | 19.09 | 0.05 | 2.27 | 4.37 | 0.55 | BDL | 2.47 | 0.04 | 44.42 | 22.15 |
| LP0067 | LHP036 | 0 | 0.54 | 26.24 | 0.05 | 2.99 | 5.84 | 0.78 | BDL | 3.37 | 0.056 | 24.85 | 30.37 |
| LP0068 | LHP037 | 0 | 0.58 | 26.64 | 0.05 | 3.1 | 5.81 | 0.79 | BDL | 3.35 | 0.058 | 24.47 | 30.55 |
| LP0069 | LHP038 | 0 | 0.6 | 27.42 | 0.05 | 3.25 | 5.91 | 0.79 | BDL | 3.24 | 0.058 | 23.16 | 30.75 |
| LP0086 | LHP039 | 0 | 0.88 | 27.63 | 0.05 | 3.14 | 6.09 | 0.79 | BDL | 3.44 | 0.061 | 21.54 | 30.41 |
| LP0087 | LHP040 | 0 | 0.47 | 26.73 | 0.06 | 3.18 | 5.75 | 0.8 | BDL | 3.54 | 0.06 | 24.3 | 30.43 |
| LP0130 | LHP040 | 0.47 | 0.85 | 27.71 | 0.05 | 3.24 | 6.12 | 0.76 | BDL | 3.37 | 0.064 | 21.63 | 31.38 |
| LP0088 | LHP041 | 0 | 0.5 | 25.4 | 0.06 | 2.97 | 5.45 | 0.78 | BDL | 3.55 | 0.056 | 27.06 | 28.44 |
| LP0131 | LHP041 | 0.5 | 0.86 | 26.42 | 0.05 | 3.18 | 5.65 | 0.79 | BDL | 3.73 | 0.063 | 24.66 | 30.55 |
| LP0092 | LHP042 | 0 | 0.82 | 27.48 | 0.05 | 3.19 | 6.03 | 0.81 | BDL | 3.49 | 0.063 | 21.98 | 30.62 |
| LP0070 | LHP043 | 0 | 0.58 | 26.91 | 0.06 | 3.29 | 5.78 | 0.77 | BDL | 3.29 | 0.062 | 25.04 | 29.49 |
| LP0071 | LHP044 | 0 | 0.6 | 25.88 | 0.06 | 3.22 | 5.51 | 0.7 | BDL | 2.92 | 0.061 | 28.32 | 29.23 |
| LP0089 | LHP045 | 0 | 0.82 | 27.66 | 0.05 | 3.29 | 5.9 | 0.83 | BDL | 3.56 | 0.062 | 22.37 | 29.55 |
| LP0090 | LHP046 | 0 | 0.5 | 26.94 | 0.05 | 3 | 5.81 | 0.82 | BDL | 3.72 | 0.055 | 23.19 | 30.57 |
| LP0132 | LHP046 | 0.5 | 0.96 | 27.22 | 0.05 | 3.18 | 5.91 | 0.82 | BDL | 4.3 | 0.063 | 21.28 | 30.84 |
| LP0091 | LHP047 | 0 | 1.02 | 23.93 | 0.1 | 2.9 | 5.08 | 0.81 | BDL | 3.83 | 0.057 | 30.38 | 26.3 |
| LP0072 | LHP048 | 0 | 0.62 | 26.91 | 0.06 | 3.25 | 5.82 | 0.77 | BDL | 3.33 | 0.063 | 24.26 | 30.29 |
| LP0093 | LHP049 | 0 | 0.5 | 26.53 | 0.08 | 3.06 | 5.7 | 0.84 | BDL | 3.65 | 0.057 | 24.67 | 29.72 |
| LP0133 | LHP049 | 0.5 | 0.82 | 27.69 | 0.05 | 3.27 | 5.93 | 0.83 | BDL | 3.86 | 0.066 | 21.28 | 30.93 |
| LP0073 | LHP050 | 0 | 0.72 | 26.85 | 0.06 | 3.12 | 6.04 | 0.75 | BDL | 3.14 | 0.062 | 24.19 | 30.2 |
| LP0074 | LHP051 | 0 | 0.69 | 26.43 | 0.06 | 3.09 | 5.87 | 0.76 | BDL | 3.22 | 0.061 | 25.1 | 28.87 |
| LP0094 | LHP052 | 0 | 0.5 | 24.32 | 0.21 | 2.88 | 5.02 | 0.8 | BDL | 3.55 | 0.053 | 30.76 | 25.96 |
| LP0134 | LHP052 | 0.5 | 0.89 | 25.84 | 0.06 | 3.13 | 5.54 | 0.8 | BDL | 3.89 | 0.062 | 26.1 | 28.14 |
| LP0095 | LHP053 | 0 | 0.95 | 25.54 | 0.12 | 3.44 | 4.81 | 0.79 | BDL | 3.5 | 0.063 | 30.5 | 27.04 |
| LP0096 | LHP053 | 0.95 | 1.25 | 25.31 | 0.33 | 2.99 | 4.77 | 0.8 | BDL | 4.16 | 0.058 | 30.76 | 24.81 |
| LP0135 | LHP053 | 1.25 | 1.48 | 17.27 | 2.71 | 2.1 | 1.23 | 0.73 | 0.02 | 6.07 | 0.047 | 64.23 | 4.54 |
| LP0080 | LHP054 | 0 | 0.98 | 26.58 | 0.09 | 3.49 | 5.14 | 0.84 | BDL | 3.54 | 0.064 | 27.1 | 29.25 |
| LP0075 | LHP055 | 0 | 0.81 | 26.83 | 0.06 | 3.17 | 5.88 | 0.77 | BDL | 3.33 | 0.063 | 24.02 | 29.05 |
| LP0077 | LHP056 | 0 | 0.55 | 24.73 | 0.08 | 2.79 | 5.65 | 0.7 | BDL | 2.98 | 0.055 | 29.37 | 27.84 |
| LP0076 | LHP057 | 0 | 0.55 | 23.37 | 0.06 | 2.72 | 5.19 | 0.7 | BDL | 3.07 | 0.052 | 32.75 | 27.01 |
| LP0128 | LHP057 | 0.55 | 0.76 | 25.85 | 0.06 | 3.37 | 5.66 | 0.78 | BDL | 3.4 | 0.074 | 26.35 | 29.47 |
| LP0078 | LHP058 | 0 | 0.94 | 25.55 | 0.12 | 3.06 | 5.44 | 0.78 | BDL | 3.6 | 0.06 | 27.81 | 26.81 |
| LP0079 | LHP059 | 0 | 0.79 | 22.77 | 0.08 | 2.98 | 4.88 | 0.56 | BDL | 2.48 | 0.048 | 26.68 | 27 |
| LP0097 | LHP060 | 0 | 0.65 | 23.13 | 0.13 | 2.45 | 6.07 | 0.69 | BDL | 3.03 | 0.058 | 29.05 | 27.7 |
| LP0136 | LHP060 | 0.65 | 0.75 | 14.28 | 0.06 | 6.03 | 4.06 | 0.39 | BDL | 1.91 | 0.038 | 49.38 | 19.43 |
| LP0098 | LHP061 | 0 | 0.79 | 24.54 | 0.17 | 2.78 | 6.04 | 0.67 | BDL | 2.96 | 0.066 | 27.97 | 28.14 |
| LP0099 | LHP062 | 0 | 0.98 | 21.06 | 0.14 | 2.52 | 5.05 | 0.6 | BDL | 2.55 | 0.059 | 38.44 | 23.76 |
| LP0100 | LHP063 | 0 | 0.39 | 26.73 | 0.13 | 3.25 | 7.05 | 0.78 | BDL | 3.34 | 0.065 | 17.62 | 31.82 |
| LP0137 | LHP063 | 0.39 | 0.43 | 24.81 | 0.17 | 8.15 | 6.97 | 0.68 | BDL | 3.18 | 0.065 | 16.28 | 30.69 |
| LP0101 | LHP064 | 0 | 0.5 | 26.96 | 0.1 | 2.93 | 6.95 | 0.78 | BDL | 3.15 | 0.073 | 18.67 | 32.74 |
| LP0138 | LHP064 | 0.5 | 0.81 | 26.91 | 0.07 | 4.86 | 7.94 | 0.63 | BDL | 2.58 | 0.062 | 13.24 | 34.3 |
| LP0115 | LHP065 | 0 | 0.85 | 27.34 | 0.1 | 3.11 | 7.03 | 0.76 | BDL | 3.23 | 0.076 | 17.76 | 32.4 |
| LP0142 | LHP065 | 0.85 | 1 | 13.68 | 0.08 | 5.23 | 3.6 | 0.41 | BDL | 1.94 | 0.05 | 54.62 | 16.27 |
| LP0116 | LHP066 | 0 | 0.8 | 26.57 | 0.1 | 2.95 | 6.76 | 0.74 | BDL | 3.07 | 0.075 | 20.56 | 31.31 |
| LP0102 | LHP067 | 0 | 0.65 | 25.85 | 0.1 | 2.81 | 7.11 | 0.69 | BDL | 3.28 | 0.056 | 19.58 | 32.21 |
| LP0139 | LHP067 | 0.65 | 0.73 | 22.08 | 0.07 | 3.16 | 5.55 | 0.5 | BDL | 2.4 | 0.043 | 33.44 | 25.28 |
| LP0103 | LHP068 | 0 | 0.78 | 27.02 | 0.16 | 3.13 | 7.16 | 0.8 | BDL | 3.37 | 0.072 | 17.11 | 32.7 |
| LP0140 | LHP068 | 0.78 | 0.81 | 16.86 | 0.05 | 4.65 | 4.73 | 0.43 | BDL | 2.02 | 0.057 | 44.17 | 24.11 |
| LP0104 | LHP069 | 0 | 0.8 | 26.45 | 0.36 | 3.13 | 6.99 | 0.77 | BDL | 3.27 | 0.073 | 17.94 | 32.16 |
| LP0141 | LHP069 | 0.8 | 0.98 | 20.36 | 0.06 | 4.42 | 5.28 | 0.53 | BDL | 2.14 | 0.089 | 37.6 | 24.55 |
| LP0117 | LHP070 | 0 | 1 | 27.2 | 0.09 | 3.2 | 7.05 | 0.79 | BDL | 3.45 | 0.079 | 17.98 | 32.31 |
| LP0118 | LHP071 | 0 | 0.81 | 26.77 | 0.07 | 3.01 | 6.81 | 0.76 | BDL | 3.05 | 0.076 | 20.39 | 31.39 |
| LP0105 | LHP072 | 0 | 0.5 | 21.03 | 0.56 | 2.32 | 5.44 | 0.68 | BDL | 2.78 | 0.06 | 35.14 | 25.45 |

| Sample | Hole | From | To | Al2O3% | CaO% | Fe2O3% | K2O% | MgO% | MnO% | Na2O% | P2O5% | SiO2% | LOI% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LP0106 | LHP073 | 0 | 1 | 25.97 | 0.14 | 3.24 | 6.76 | 0.81 | BDL | 3.55 | 0.081 | 20.81 | 31 |
| LP0107 | LHP073 | 1 | 1.62 | 18.23 | 0.1 | 2.22 | 4.23 | 0.74 | BDL | 3.37 | 0.066 | 45.09 | 19.84 |
| LP0108 | LHP074 | 0 | 1.1 | 26.26 | 0.16 | 2.98 | 6.85 | 0.82 | BDL | 3.62 | 0.073 | 18.21 | 32.11 |
| LP0109 | LHP074 | 1.1 | 1.64 | 22.17 | 0.15 | 2.74 | 5.29 | 0.77 | BDL | 3.33 | 0.086 | 33.76 | 23.24 |
| LP0121 | LHP075 | 0 | 1 | 26.96 | 0.08 | 3.37 | 7.03 | 0.81 | BDL | 3.45 | 0.083 | 18.56 | 32.07 |
| LP0122 | LHP075 | 1 | 1.65 | 21.01 | 0.19 | 2.31 | 4.72 | 0.81 | BDL | 3.6 | 0.075 | 37.38 | 21.91 |
| LP0119 | LHP076 | 0 | 1.2 | 26.25 | 0.1 | 3.09 | 6.76 | 0.82 | BDL | 3.75 | 0.078 | 19.9 | 31.2 |
| LP0120 | LHP076 | 1.2 | 2 | 21.72 | 0.1 | 1.49 | 2.8 | 0.75 | BDL | 3.75 | 0.043 | 46.56 | 19.27 |
| LP0110 | LHP077 | 0 | 0.77 | 16.18 | 0.4 | 2.01 | 4.42 | 0.55 | BDL | 2.72 | 0.048 | 47.1 | 20.61 |
| LP0111 | LHP078 | 0 | 1 | 23.24 | 0.28 | 3.05 | 5.87 | 0.73 | BDL | 3.23 | 0.084 | 29.26 | 27.72 |
| LP0112 | LHP078 | 1 | 2 | 21.54 | 1.37 | 2.89 | 4.65 | 1.24 | BDL | 3.46 | 0.08 | 33.2 | 22.76 |
| LP0113 | LHP078 | 2 | 3 | 21.64 | 0.08 | 0.98 | 0.55 | 0.48 | BDL | 2.74 | 0.018 | 59.89 | 12.53 |
| LP0114 | LHP078 | 3 | 3.95 | 22 | 0.09 | 0.76 | 0.38 | 0.4 | BDL | 2.39 | 0.02 | 61.38 | 11.6 |
| LP0125 | LHP079 | 0 | 1.1 | 25.54 | 0.08 | 2.85 | 6.63 | 0.82 | BDL | 3.49 | 0.072 | 22.69 | 30.18 |
| LP0126 | LHP079 | 1.1 | 1.7 | 23.67 | 0.1 | 2.5 | 4.87 | 0.9 | BDL | 3.47 | 0.089 | 32.77 | 23.89 |
| LP0123 | LHP080 | 0 | 1 | 25.67 | 0.1 | 2.98 | 6.61 | 0.82 | BDL | 3.5 | 0.074 | 22.15 | 31.13 |
| LP0124 | LHP080 | 1 | 1.8 | 22.09 | 0.08 | 2.89 | 4.88 | 0.79 | BDL | 3.29 | 0.08 | 37.71 | 22.92 |
| LP0007 | LHP081 | 0 | 0.5 | 21.28 | 1.18 | 5.38 | 2.11 | 3.03 | 0.1 | 5.26 | 0.107 | 45.08 | 13.63 |
| LP0008 | LHP082 | 0 | 0.35 | 23.63 | 0.18 | 3.36 | 6.41 | 0.73 | BDL | 3.36 | 0.054 | 24.79 | 29.73 |
| LP0009 | LHP083 | 0 | 0.4 | 27.04 | 0.16 | 3.02 | 6.96 | 0.78 | BDL | 3.26 | 0.074 | 18.69 | 31.24 |
| LP0010 | LHP084 | 0 | 0.25 | 31.39 | 0.21 | 4.73 | 2.23 | 1.4 | 0.03 | 0.64 | 0.048 | 47.3 | 11.37 |
| LP0011 | LHP085 | 0 | 0.25 | 32.4 | 0.05 | 3.96 | 0.99 | 0.52 | BDL | 1.16 | 0.029 | 45.79 | 13.72 |
| LP0012 | LHP086 | 0 | 0.4 | 22.19 | 0.45 | 3.56 | 3.57 | 0.73 | BDL | 2.45 | 0.052 | 43.83 | 20.29 |
| LP0013 | LHP087 | 0 | 0.4 | 22.85 | 0.07 | 2.49 | 5.65 | 0.85 | BDL | 4.04 | 0.047 | 29.64 | 27.6 |
| LP0005 | LHP092 | 0 | 0.5 | 8.3 | 0.3 | 23.34 | 4.3 | 0.35 | BDL | 2.32 | 0.112 | 36.58 | 19.51 |
| LP0006 | LHP093 | 0 | 0.5 | 22.9 | 0.1 | 2.72 | 5.79 | 0.59 | BDL | 3.21 | 0.026 | 30.08 | 26.59 |
| LP0014 | LHP094 | 0 | 0.4 | 8.97 | 0.15 | 1.58 | 0.93 | 0.44 | BDL | 2.15 | 0.041 | 76.6 | 7.04 |
| LP0015 | LHP095 | 0 | 0.4 | 16.95 | 0.72 | 3.26 | 1.47 | 0.72 | BDL | 3.42 | 0.092 | 58.24 | 12.68 |
| LP0016 | LHP096 | 0 | 0.4 | 10.64 | 0.77 | 2.2 | 0.88 | 0.81 | BDL | 3.6 | 0.045 | 70.3 | 8.37 |
| LP0017 | LHP097 | 0 | 0.4 | 20.95 | 0.16 | 4.77 | 1.23 | 1.22 | BDL | 4.88 | 0.049 | 53.05 | 13.07 |
| LP0127 | LHP099 | 0 | 1.3 | 27.1 | 0.06 | 3.05 | 6.08 | 0.75 | BDL | 3.56 | 0.061 | 22.79 | 30.28 |

**Newly Reported Assay Data From LHP0100 to LHP0147 not included in MRE**

| Sample | Hole | From | To | Al2O3% | CaO% | Fe2O3% | K2O% | MgO% | MnO% | Na2O% | P2O5% | SiO2% | LOI_% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LP0555 | LHP0133 | 0 | 0.25 | 27.15 | 0.06 | 3.16 | 5.73 | 0.78 | BDL | 3.33 | 0.053 | 23.78 | 30.88 |
| LP0556 | LHP0133 | 0.25 | 0.5 | 26.86 | 0.05 | 3.11 | 5.64 | 0.79 | BDL | 3.42 | 0.066 | 25.17 | 30 |
| LP0557 | LHP0133 | 0.5 | 0.75 | 27.43 | 0.05 | 3.27 | 5.8 | 0.78 | BDL | 3.51 | 0.064 | 23.45 | 30.42 |
| LP0558 | LHP0133 | 0.75 | 1 | 28.69 | 0.05 | 3 | 6.4 | 0.76 | BDL | 3.51 | 0.055 | 18.29 | 31.92 |
| LP0559 | LHP0132 | 0 | 0.5 | 27.38 | 0.05 | 3.15 | 5.71 | 0.78 | BDL | 3.4 | 0.062 | 23.6 | 30.92 |
| LP0560 | LHP0132 | 0.5 | 0.88 | 28.55 | 0.05 | 3.03 | 6.29 | 0.73 | BDL | 3.45 | 0.059 | 19.72 | 31.16 |
| LP0562 | LHP0131 | 0 | 0.25 | 26.8 | 0.05 | 3.06 | 5.7 | 0.81 | BDL | 3.37 | 0.052 | 24.99 | 30.59 |
| LP0563 | LHP0131 | 0.25 | 0.5 | 27.36 | 0.05 | 3.15 | 5.76 | 0.78 | BDL | 3.37 | 0.063 | 23.73 | 29.97 |
| LP0564 | LHP0131 | 0.5 | 0.75 | 26.62 | 0.05 | 3.22 | 5.69 | 0.77 | BDL | 3.55 | 0.063 | 24.13 | 29.98 |
| LP0565 | LHP0131 | 0.75 | 1 | 26.13 | 0.05 | 2.96 | 5.62 | 0.76 | BDL | 3.5 | 0.051 | 25.39 | 29.82 |
| LP0566 | LHP0134 | 0 | 0.5 | 25.81 | 0.05 | 2.98 | 5.44 | 0.79 | BDL | 3.41 | 0.054 | 27.44 | 29.23 |
| LP0567 | LHP0134 | 0.5 | 0.94 | 25.3 | 0.05 | 3.08 | 5.3 | 0.76 | BDL | 3.59 | 0.055 | 28.7 | 28.34 |
| LP0568 | LHP0135 | 0 | 0.5 | 26.44 | 0.06 | 3.25 | 5.54 | 0.74 | BDL | 3.18 | 0.061 | 26.56 | 29.83 |
| LP0569 | LHP0135 | 0.5 | 0.87 | 27.85 | 0.05 | 3.21 | 6.15 | 0.73 | BDL | 3.31 | 0.067 | 21.36 | 31.6 |
| LP0570 | LHP0136 | 0 | 0.5 | 27.44 | 0.05 | 3 | 6.03 | 0.74 | BDL | 3.3 | 0.059 | 22.82 | 31.17 |
| LP0572 | LHP0136 | 0.5 | 1 | 28.2 | 0.05 | 3.12 | 6.43 | 0.73 | BDL | 3.41 | 0.062 | 19.53 | 31.64 |
| LP0573 | LHP0137 | 0 | 0.5 | 27.06 | 0.05 | 3.22 | 5.77 | 0.76 | BDL | 3.1 | 0.061 | 24.14 | 30.72 |
| LP0574 | LHP0137 | 0.5 | 1 | 28.12 | 0.05 | 3.2 | 6.24 | 0.75 | BDL | 3.37 | 0.064 | 19.15 | 32.44 |
| LP0576 | LHP0138 | 0 | 0.5 | 27.36 | 0.06 | 3.13 | 5.89 | 0.77 | BDL | 3.34 | 0.059 | 23.25 | 30.86 |
| LP0577 | LHP0138 | 0.5 | 1 | 28.62 | 0.05 | 3.16 | 6.51 | 0.74 | BDL | 3.38 | 0.062 | 18.18 | 32.68 |
| LP0578 | LHP0139 | 0 | 0.5 | 27.28 | 0.05 | 3.19 | 5.8 | 0.8 | BDL | 3.46 | 0.059 | 23.58 | 30.68 |
| LP0579 | LHP0139 | 0.5 | 0.8 | 28.39 | 0.05 | 3.16 | 6.3 | 0.79 | BDL | 3.32 | 0.063 | 19.93 | 31.57 |
| LP0580 | LHP0140 | 0 | 0.5 | 27.18 | 0.05 | 3.1 | 5.77 | 0.8 | BDL | 3.53 | 0.058 | 22.77 | 31 |
| LP0582 | LHP0140 | 0.5 | 0.99 | 28.58 | 0.05 | 3.15 | 6.33 | 0.77 | BDL | 3.61 | 0.062 | 18.89 | 30.12 |
| LP0583 | LHP0141 | 0 | 0.66 | 27.57 | 0.05 | 3.11 | 5.86 | 0.81 | BDL | 3.59 | 0.06 | 22.37 | 31.15 |
| LP0584 | LHP0142 | 0 | 0.5 | 26.28 | 0.05 | 3 | 5.56 | 0.81 | BDL | 3.68 | 0.058 | 25.48 | 29.91 |
| LP0585 | LHP0142 | 0.5 | 0.98 | 27.78 | 0.05 | 2.96 | 6.15 | 0.83 | BDL | 4 | 0.059 | 19.71 | 31.21 |
| LP0586 | LHP0143 | 0 | 0.57 | 24.94 | 0.09 | 2.96 | 5.1 | 0.78 | BDL | 3.39 | 0.054 | 29.85 | 28.35 |
| LP0587 | LHP0144 | 0 | 0.3 | 26.16 | 0.09 | 3.02 | 5.45 | 0.81 | BDL | 3.56 | 0.051 | 26.62 | 29.76 |
| LP0588 | LHP0145 | 0 | 0.5 | 26.64 | 0.05 | 3.1 | 5.6 | 0.82 | BDL | 3.52 | 0.056 | 24.73 | 30.47 |
| LP0589 | LHP0145 | 0.5 | 1 | 28.2 | 0.05 | 3.1 | 6.21 | 0.81 | BDL | 3.7 | 0.062 | 19.2 | 31.83 |

| Sample | Hole | From | To | Al2O3% | CaO% | Fe2O3% | K2O% | MgO% | MnO% | Na2O% | P2O5% | SiO2% | LOI_% |
|--------|------|------|----|--------|------|--------|------|------|------|-------|-------|-------|-------|
| LP0590 | LHP0146 | 0 | 0.5 | 26.71 | 0.05 | 2.94 | 5.77 | 0.77 | BDL | 3.61 | 0.055 | 23.76 | 30.23 |
| LP0592 | LHP0146 | 0.5 | 1 | 28.41 | 0.05 | 3.14 | 6.3 | 0.78 | BDL | 3.66 | 0.06 | 18.86 | 32.57 |
| LP0593 | LHP0123 | 0 | 0.5 | 26.93 | 0.07 | 3.17 | 6.68 | 0.79 | BDL | 3.51 | 0.078 | 18.88 | 33.2 |
| LP0594 | LHP0123 | 0.5 | 1.01 | 26.41 | 0.05 | 3.39 | 6.82 | 0.75 | BDL | 3.29 | 0.083 | 20.31 | 31.92 |
| LP0595 | LHP0124 | 0 | 0.57 | 27.1 | 0.06 | 3.05 | 6.95 | 0.78 | BDL | 3.35 | 0.074 | 18.09 | 33.42 |
| LP0596 | LHP0125 | 0 | 0.5 | 27.62 | 0.05 | 3.08 | 6.96 | 0.78 | BDL | 3.3 | 0.079 | 17.58 | 34.16 |
| LP0597 | LHP0125 | 0.5 | 0.98 | 17.57 | 0.05 | 1.85 | 4.77 | 0.45 | BDL | 2.18 | 0.049 | 44.81 | 21.75 |
| LP0598 | LHP0126 | 0 | 0.5 | 26.43 | 0.05 | 3.13 | 6.98 | 0.71 | BDL | 3.25 | 0.07 | 18.81 | 33.56 |
| LP0599 | LHP0126 | 0.5 | 0.81 | 20.47 | 0.04 | 10.43 | 6.23 | 0.49 | BDL | 2.45 | 0.077 | 25.12 | 28.1 |
| LP0600 | LHP0115 | 0 | 0.63 | 26.11 | 0.1 | 3.67 | 7.15 | 0.68 | BDL | 3.1 | 0.062 | 17.99 | 33.72 |
| LP0602 | LHP0116 | 0 | 0.68 | 26.21 | 0.06 | 5.27 | 7.08 | 0.7 | BDL | 3.11 | 0.071 | 16.95 | 33.5 |
| LP0603 | LHP0117 | 0 | 0.65 | 27.86 | 0.06 | 3.06 | 7.27 | 0.72 | BDL | 3.06 | 0.074 | 16.24 | 34.13 |
| LP0604 | LHP0118 | 0 | 0.67 | 27.84 | 0.12 | 3.1 | 7.1 | 0.8 | BDL | 3.32 | 0.078 | 16.7 | 34.11 |
| LP0605 | LHP0147 | 0 | 0.5 | 25.16 | 0.07 | 2.92 | 5.46 | 0.75 | BDL | 3.27 | 0.052 | 28.64 | 29 |
| LP0606 | LHP0147 | 0.5 | 1.06 | 28.14 | 0.05 | 3.03 | 6.37 | 0.76 | BDL | 3.53 | 0.063 | 18.74 | 33 |
| LP0607 | LHP0127 | 0 | 0.5 | 26.76 | 0.05 | 3.08 | 5.86 | 0.76 | BDL | 3.24 | 0.057 | 24.4 | 31.3 |
| LP0608 | LHP0127 | 0.5 | 1.01 | 27.54 | 0.04 | 2.88 | 6.49 | 0.69 | BDL | 3.25 | 0.052 | 20.34 | 32.76 |
| LP0609 | LHP0128 | 0 | 0.5 | 27.17 | 0.05 | 3.15 | 5.8 | 0.78 | BDL | 3.21 | 0.06 | 24.09 | 31.64 |
| LP0610 | LHP0128 | 0.5 | 0.96 | 27.63 | 0.05 | 2.96 | 6.36 | 0.76 | BDL | 3.65 | 0.054 | 19.54 | 32.27 |
| LP0612 | LHP0129 | 0 | 0.42 | 27.35 | 0.04 | 3.02 | 5.89 | 0.76 | BDL | 3.16 | 0.055 | 23.22 | 31.59 |
| LP0613 | LHP0130 | 0 | 0.5 | 27.25 | 0.05 | 3.15 | 5.75 | 0.78 | BDL | 3.26 | 0.059 | 23.85 | 30.96 |
| LP0614 | LHP0130 | 0.5 | 0.97 | 27.93 | 0.04 | 3 | 6.22 | 0.76 | BDL | 3.45 | 0.056 | 20.19 | 31.89 |
| LP0615 | LHP0111 | 0 | 0.07 | 18.66 | 0.18 | 2.28 | 4.53 | 0.61 | BDL | 2.8 | 0.054 | 43.88 | 21.75 |
| LP0616 | LHP0112 | 0 | 0.5 | 24.32 | 0.07 | 2.82 | 6.25 | 0.73 | BDL | 3.3 | 0.066 | 26.01 | 30.01 |
| LP0617 | LHP0112 | 0.5 | 1.01 | 26.24 | 0.05 | 3.38 | 6.75 | 0.77 | BDL | 3.12 | 0.095 | 20.47 | 31.57 |
| LP0618 | LHP0113 | 0 | 0.07 | 24.44 | 0.08 | 3.15 | 5.75 | 0.82 | BDL | 3.49 | 0.081 | 27.37 | 29.38 |
| LP0619 | LHP0114 | 0 | 0.44 | 25.66 | 0.12 | 2.95 | 6.4 | 0.83 | BDL | 3.39 | 0.077 | 22.62 | 31.07 |
| LP0620 | LHP0119 | 0 | 0.3 | 25.3 | 0.07 | 2.72 | 5.73 | 0.78 | BDL | 3.6 | 0.049 | 26.07 | 29.96 |
| LP0622 | LHP0120 | 0 | 0.5 | 25.66 | 0.05 | 2.76 | 5.89 | 0.76 | BDL | 3.41 | 0.047 | 24.71 | 30.06 |
| LP0623 | LHP0120 | 0.5 | 1 | 26.06 | 0.05 | 2.64 | 6.65 | 0.68 | BDL | 3.55 | 0.043 | 19.99 | 31.94 |
| LP0624 | LHP0121 | 0 | 0.56 | 24.89 | 0.05 | 2.87 | 5.28 | 0.75 | BDL | 3.23 | 0.048 | 29.69 | 28.86 |
| LP0625 | LHP0122 | 0 | 0.5 | 24.87 | 0.05 | 2.84 | 5.3 | 0.74 | BDL | 3.34 | 0.05 | 31.61 | 28.03 |
| LP0626 | LHP0122 | 0.5 | 1 | 14.94 | 0.05 | 3.15 | 3.05 | 0.5 | BDL | 2.46 | 0.032 | 55.6 | 16.63 |
| LP0627 | LHP0100 | 0 | 0.75 | 27.17 | 0.08 | 2.9 | 7.04 | 0.75 | BDL | 3.37 | 0.071 | 17.75 | 33.27 |
| LP0628 | LHP0101 | 0 | 0.5 | 25.81 | 0.04 | 3.2 | 6.74 | 0.68 | BDL | 2.99 | 0.078 | 21.65 | 30.89 |
| LP0629 | LHP0101 | 0.5 | 0.97 | 27.17 | 0.11 | 3.12 | 6.83 | 0.79 | BDL | 3.32 | 0.078 | 18.04 | 33.06 |
| LP0630 | LHP0103 | 0 | 0.48 | 26.72 | 0.05 | 3.24 | 5.77 | 0.71 | BDL | 2.87 | 0.062 | 25.05 | 30.18 |
| LP0632 | LHP0105 | 0 | 0.35 | 25.56 | 0.07 | 3.05 | 5.45 | 0.72 | BDL | 3.12 | 0.055 | 27.38 | 29.27 |
| LP0633 | LHP0106 | 0 | 0.5 | 26.98 | 0.06 | 3.09 | 5.77 | 0.77 | BDL | 3.37 | 0.057 | 24.56 | 30.56 |
| LP0634 | LHP0106 | 0.5 | 0.92 | 28.47 | 0.05 | 3.09 | 6.39 | 0.76 | BDL | 3.58 | 0.062 | 18.45 | 32.37 |
| LP0635 | LHP0107 | 0 | 0.5 | 26.2 | 0.11 | 2.98 | 6.64 | 0.83 | BDL | 3.65 | 0.075 | 20.34 | 31.93 |
| LP0636 | LHP0107 | 0.5 | 0.94 | 21.55 | 0.06 | 2.91 | 5.53 | 0.62 | BDL | 2.84 | 0.076 | 34.03 | 26.16 |
| LP0637 | LHP0108 | 0 | 0.16 | 25.72 | 0.1 | 3.41 | 6.02 | 0.82 | BDL | 3.47 | 0.085 | 24.37 | 30.22 |
| LP0638 | LHP0109 | 0 | 0.13 | 25.13 | 0.08 | 3.49 | 5.75 | 0.83 | BDL | 3.22 | 0.087 | 26.68 | 29.61 |
| LP0639 | LHP0110 | 0 | 0.5 | 26.46 | 0.11 | 2.97 | 6.67 | 0.78 | BDL | 3.39 | 0.072 | 18.05 | 31.93 |
| LP0640 | LHP0110 | 0.5 | 0.86 | 27.21 | 0.05 | 3.07 | 7.06 | 0.78 | BDL | 3.4 | 0.078 | 17.28 | 32.9 |
| LP0641 | LHP0110 | 0.5 | 0.86 | 27.45 | 0.05 | 3.2 | 7.02 | 0.8 | BDL | 3.39 | 0.076 | 17.3 | 32.44 |