







**METRO**  
**MINING**  
**LIMITED**

# ASX ANNOUNCEMENT

2 June 2015

## Focus on Quality Produces Significant Measured Resource

### Key Points

-  **Total DSO Resource 53.6 million tonnes\***  
(Measured, Indicated and Inferred) at a grade of 50.6% total  $\text{Al}_2\text{O}_3$ , 11.7% total  $\text{SiO}_2$ , 6.3% reactive  $\text{SiO}_2$  (Table 1)
  - **41.8 million tonne Direct Shipping Ore (DSO) Maiden Measured Resource at BH1 and BH6\*\***
  - **24.5 million tonne DSO Measured Resource for BHI Deposit** (51.8% total  $\text{Al}_2\text{O}_3$ , 9.3% total  $\text{SiO}_2$ , 5.8% reactive  $\text{SiO}_2$ )\*
  - **17.3 million tonne DSO Measured Resource for BH6 Deposit** (50.0% total  $\text{Al}_2\text{O}_3$ , 13.4% total  $\text{SiO}_2$ , 6.6% reactive  $\text{SiO}_2$ \*)
-  **Additional analyses have allowed a significant upgrade in resource classification**
-  **Bauxite Grade Confirms DSO Product suitable for export**
-  **The Bauxite Hills Project remains on track with first production targeted for Q3 2016**
-  **Mine production has been planned for up to 2 million tonnes per year\*\*\***
-  **The mine is proposed to have low operating costs and low capital requirements**

\*Measured Resource estimated in accordance with guidelines in JORC (2012) Refer Table 1

\*\*Measured Resource estimated in accordance with guidelines in JORC (2012) Refer Table 2

\*\*\* Refer ASX Release 17 Feb 2015. Metro confirms all material assumptions underpinning the production target and corresponding financial information continue to apply and have not materially changed as per Listing Rule 5.19.2.

### Bauxite Hills Project Summary

The Bauxite Hills Mine Project is situated 95km north of Weipa on Queensland's Cape York Peninsula and five kilometres south-east of the port at Skardon River.

Western Cape York is world-renowned for its deposits of high-quality, export-grade bauxite.

The Skardon River will be used to transport the DSO product on shallow draught barges which will tranship the product 5–10 nautical miles offshore for loading onto load Handymax and Panamax vessels.

Transshipping provides a low environmental footprint, with minimal onshore buildings and stockpiles.



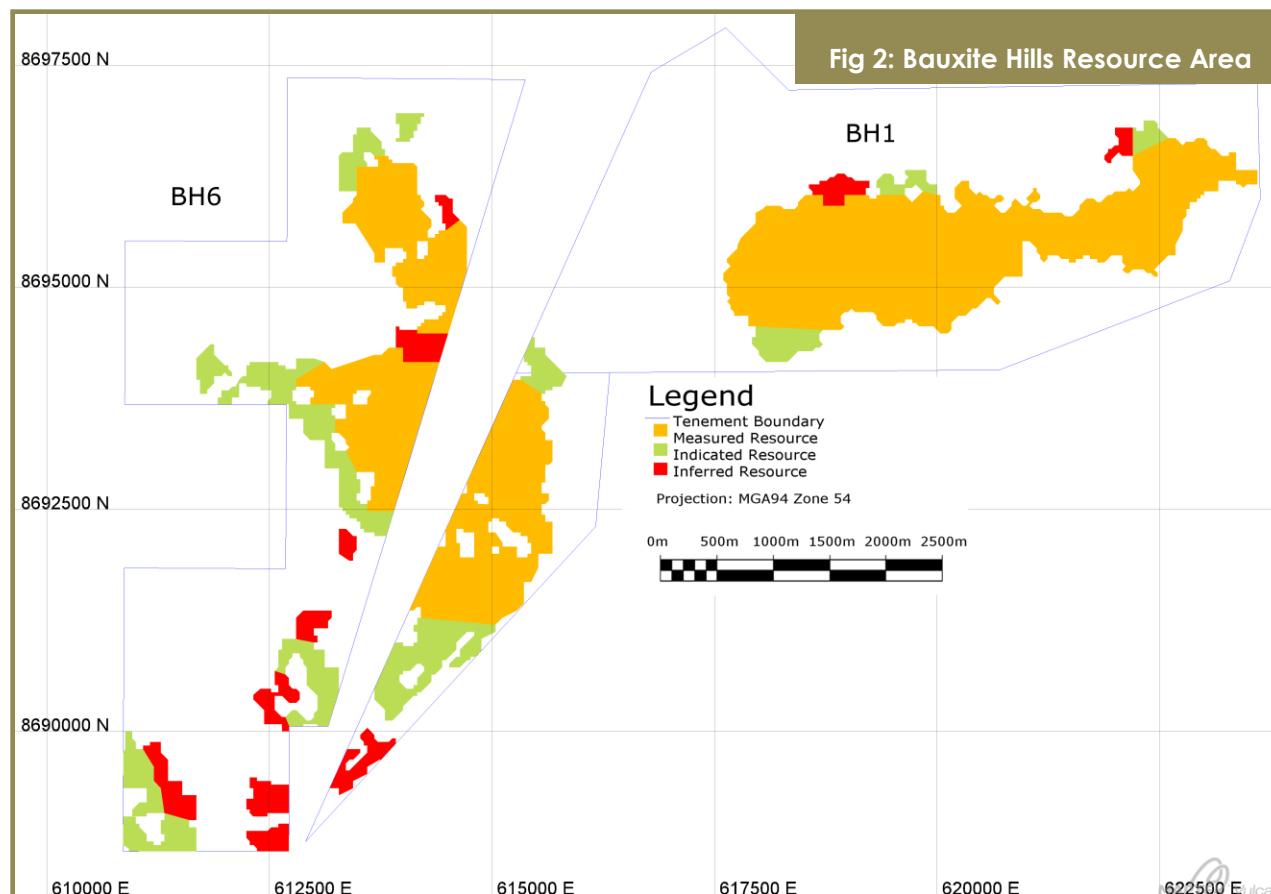
## DSO Measured, Indicated and Inferred Resource at BH1 & BH6

Figure 2, shows the outline of the DSO Measured, Indicated and Inferred Resource of the BH1 & BH6 deposit at Bauxite Hills. The Mineral Resource estimate is presented in Table 1 below. Average grades of the total Measured, Indicated and Inferred DSO Resource are based on a cut-off of 45% total  $\text{Al}_2\text{O}_3$  and 8% Reactive  $\text{SiO}_2$

**Table 1 BH1 and BH6 – DSO\* Resource Estimate (Refer Appendix 1)**

| Block | Resource Category | Dry In-situ DSO <sup>2</sup> Tonnes (Mt) <sup>1</sup> | Total $\text{SiO}_2$ (%) | Total $\text{Al}_2\text{O}_3$ (%) | THA <sup>3</sup> (%) | RxSi <sup>4</sup> (%) | Relative Density | Average Thickness (m) |
|-------|-------------------|---|--------------------------|-----------------------------------|----------------------|-----------------------|------------------|-----------------------|
| BH1   | Measured          | 24.5  | 9.3                      | 51.8                              | 39.9                 | 5.8                   | 1.8              | 2.3                   |
|       | Indicated         | 1.2   | 10.0                     | 50.6                              | 40.1                 | 6.2                   | 1.8              | 1.6                   |
|       | Inferred          | 0.4   | 9.2                      | 51.3                              | 39.3                 | 6.1                   | 1.7              | 1.1                   |
| BH6   | Measured          | 17.3  | 13.4                     | 50.0                              | 38.2                 | 6.6                   | 2.0              | 1.7                   |
|       | Indicated         | 7.6   | 14.8                     | 49.0                              | 36.5                 | 7.0                   | 2.0              | 1.4                   |
|       | Inferred          | 2.5   | 15.6                     | 48.0                              | 35.5                 | 7.3                   | 2.0              | 1.3                   |
|       | <b>TOTAL</b>      | <b>53.6</b>   | <b>11.7</b>              | <b>50.6</b>                       | <b>38.6</b>          | <b>6.3</b>            | <b>1.9</b>       | <b>1.8</b>            |

1. Mt Million Tonnes  
 2. DSO "Direct shipping ore" is defined as bauxite that can be exported directly with minimal processing  
 3. THA trihydrate available alumina (gibbsite alumina + kaolinite alumina – low temperature desilication product (DSP) alumina) at 150°C  
 4. RxSi reactive silica at 150°C



## Resource Details

The resources being reported are the Measured, Indicated and Inferred Resource of Direct Shipping Ore (DSO) Resource at the BH1 deposit and the BH6 deposit at Bauxite Hills in western Cape York. The model was generated in Vulcan software on 21st April 2015.

The Model now includes the analyses of the samples from the boreholes drilled on a nominal 160m x 160m grid for BH1. The additional analyses, together with further geological interpretation have allowed the resource classification to be upgraded.

### **Geology and Geological Interpretation**

The deposit type is lateritic bauxite derived from the weathering of aluminous sediments in a tropical to sub-tropical environment. The mineralisation within the BH1 bauxite plateau is flat lying and tabular in form and covers an area of approximately 6.8km<sup>2</sup> (Figure 2). The average thickness of the bauxite mineralisation in BH1 is 1.7m and the average overburden thickness is 0.6m.

The mineralisation within the BH6 bauxite plateau is also flat lying and tabular in form and covers an area of approximately 8.9km<sup>2</sup> (Figure 2). The average thickness of the bauxite mineralisation in BH6 is 1.5m and the average overburden thickness is 0.5m. The topographic surface at BH1 and BH6 is generally flat.

The geological interpretation is grade-based using a threshold of  $\geq 45\%$  total Al<sub>2</sub>O<sub>3</sub> and  $\leq 8\%$  reactive SiO<sub>2</sub> to define economic bauxite. The continuity of the bauxite horizon is confirmed with a high degree of confidence.

The data points in both BH1 and BH6 are spaced at 160m in a nominal grid pattern and have been geologically logged and analysed. BH1 has infill holes to an 80m spacing but most of these have no analysis and have hence those without analysis have not been used for modelling,

Information from other deposits in the Weipa area, such as Metro Mining's Pisolite Hills project where Mineral Resource estimates exist, provide additional confidence in the geological model.

### **Drilling Techniques**

Drilling was carried out by Wallis Drilling Pty Ltd using a Mantis 100 Reverse Circulation aircore drill rig mounted on a light 4x4 truck. Shallow (4-6 m) holes were drilled vertically using HQ rods with an aircore drill bit with a diameter of 96 mm. Reverse Circulation aircore drilling was selected due to its proven reliability in producing high sample recoveries, accurate interval depths and representative samples.

In the BH1 area 1,482 holes were drilled on a nominal 80 m x 80 m north-south, east-west grid. To ensure a representative sample, all the material from each 0.25 m interval of the drill hole was collected. Samples from a subset of the drilling program, representing a nominal 160m x 160m grid consisting of 117 drill holes, were submitted for analysis. This data spacing is deemed sufficient to establish the degree of geological and grade continuity appropriate for a Measured Mineral Resource estimate. The remainder of the samples have been retained in secure storage and are currently being analysed.

In the BH6 area 505 holes were drilled on a nominal 160m x 160m north-south, east-west grid. To ensure a representative sample, all the material from each 0.25m interval of the drill hole was collected. Samples from the drilling program, representing a nominal 160m x 160m grid consisting of 400 drill holes, were submitted for analysis. This data spacing is deemed sufficient to establish the degree of geological and grade continuity appropriate for a Measured and Indicated Mineral Resource estimate.

All drill holes are vertical and intersect the mineralisation at an approximate 90° angle.

Drill hole collar positions were initially surveyed by Fugro Spatial Solutions Pty Ltd using Trimble RTK GPS units. Three units were used; one base station and two rovers. Easting and Northing co-ordinates were

quoted to three decimal places based on datum GDA94 using zone 54. Elevation was quoted to two decimal places using an adopted AHD from Ausgeoid'09. In late 2014 Lidar data was acquired which provides more accurate elevation data. This data has been used in the resource modelling.

### **Sampling and Sub-sampling Techniques**

Reverse Circulation aircore drill hole samples were collected in plastic bags over 0.25 m intervals through a cyclone. All the material within the interval was collected and all samples were geologically logged at the time of collection to determine the type of bauxite material, when to stop the hole, which samples to retain for analyses and which samples to composite over 0.5 m intervals. All drilled intervals were geologically logged at 0.25 m intervals. The logging was done in a qualitative manner and focused on documenting the amount of pisolitic material, soil, clays and ironstone. In the field the bauxitic horizons were defined by the presence of pisolites and the absence of ferricrete.

The entire sample was collected to ensure, as much as possible, the representivity of the drilled material. Samples that contained pisolites in any volume were assumed to be bauxitic and were retained for analysis. The samples did not require drying prior to bagging.

Samples were composited over 0.5 m intervals at the time of collection where the geologically logged material was similar or collected as individual 0.25 m samples where a change was observed. Sample weights ranged between 2 and 5kg depending on whether they were composited at the time of collection. No sub-sampling of material was undertaken at the time of sample collection.

For the purposes of the DSO bauxite Mineral Resource estimate, samples from the 320m x 320m spaced holes were originally composited over the entire bauxite interval in each hole as determined by earlier analyses of beneficiated samples over 0.25m and 0.5m intervals. This sub-sampling was undertaken at ALS's sample preparation laboratory in Brisbane. Subsequently, samples from infill holes at 160m x 160m spacing have been assayed as mainly individual 0.25m samples although ~15% are composites (two samples maximum). These sample assays have been used in the current mineral resource estimation.

### **Sample Analysis**

Sample preparation and analyses were undertaken by ALS in Brisbane.

Samples were weighed and riffle split down to a manageable size and pulverized to a nominal 85% passing 75 microns for analysis. Samples were analysed for total oxides ( $\text{Al}_2\text{O}_3$ ,  $\text{BaO}$ ,  $\text{CaO}$ ,  $\text{Cr}_2\text{O}_3$ ,  $\text{Fe}_2\text{O}_3$ ,  $\text{K}_2\text{O}$ ,  $\text{MgO}$ ,  $\text{Na}_2\text{O}$ ,  $\text{P}_2\text{O}_5$ ,  $\text{SiO}_2$ ,  $\text{SO}_3$ ,  $\text{SrO}$ ,  $\text{TiO}_2$ ,  $\text{V}_2\text{O}_5$ ,  $\text{Zn}$ ,  $\text{ZrO}_2$ ) by XRF (ALS code ME-XRF13b),  $\text{H}_2\text{O}/\text{LOI}$  by TGA furnace (ALS code ME-GRA05), available alumina ALS method Al-LICP01 (1500C) and reactive silica by ALS method Si-LOCP01 (1500C).

Two standard reference samples for bauxite were obtained from Geostats Pty Ltd, renumbered, and provided to the laboratory to insert in each batch. One of each sample was inserted approximately every twenty (20) samples. This was regarded as a measure of the accuracy of the laboratory. The results were all within one standard deviation of the certified values indicating no significant bias between sample batches.

No field duplicate samples were collected as the total sample was submitted for analysis.

In the laboratory as a Quality Control measure, every 10th sample was completed in duplicate and four laboratory standards and one blank were run in conjunction with the samples and data reported to the company.

### **Estimation Methodology**

The volume and bauxite grade of this new BH1 & BH6 model were estimated using a block model that was constructed within Maptek's Vulcan mine planning software. Bauxite and bounding subgrade horizons were modelled as structural and quality grids then converted to a block model. The grades were estimated using a geostatistical methodology, based on the variography of the composite sample population.

The sample data that now represents a nominal 160m x 160m spaced drilling grid was entered into a spreadsheet, along with logging and laboratory analysis. Samples were then assigned to three horizons: overburden, bauxitic material and material below the base of the bauxite.

The top 0.25m was always assigned to the overburden. A threshold of  $\geq 45\%$  total  $\text{Al}_2\text{O}_3$  was applied to each sample interval below the initial overburden such that non bauxitic and subgrade bauxite material were also identified as overburden. The base of bauxite was determined by applying a total alumina and silica threshold of  $\geq 45\%$  total  $\text{Al}_2\text{O}_3$ ,  $\leq 8\%$  reactive  $\text{SiO}_2$  so that the overall grade for the bauxite composite was within the  $\leq 8\%$  reactive  $\text{SiO}_2$  internal specification that Metro Mining have selected for the Bauxite Hills project.

Sampling and assaying of infill 160m x 160m holes has been completed for the BH1 and BH6 deposits.

Bulk density values were measured in 13 sonic holes for BH1 and 14 sonic holes for BH6. Another 10 duplicate holes were also drilled beside many of the sonic holes. These values were used in modelling of the resource except where the search distance of each sample was exceeded. In these cases, default values representing the average of all measurements were used. These values are 1.6 t/m<sup>3</sup> for BH1 and 2.0 t/m<sup>3</sup> for BH6.

Horizon control surfaces were built using the topography and the depth data of each horizon. The resource model was constructed and filled using geostatistical techniques employing a Kriging algorithm to estimate grades within each block

#### **Cut-off Grade**

Mineralised zones are defined by cut-off grades of  $\geq 45\%$  total  $\text{Al}_2\text{O}_3$  and  $\leq 8\%$  reactive  $\text{SiO}_2$  which are based on the company's global production and market research and long-term monitoring of ongoing development of potential markets in China, India and the Middle East.

#### **Mining and Metallurgy**

The resource model assumes open pit mining for the defined resource using loaders and trucks. No blasting is envisaged based on bauxite mining operations elsewhere in the Weipa area.

#### **Classification**

The classification of mineral resources was based on the density of drilling, availability of dry bulk density measurement and sample location within a geostatistically derived search distance. The bulk of the Mineral Resource in BH1 & BH6 has been classified as Measured. Material that was over 800m from a sonic drill hole from which dry bulk density measurements were made was classified as Indicated Resource category. Where other factors such as increased distance from analysis lowered certainty the blocks were assigned as Inferred Resource.

This classification appropriately reflects the Competent Person's confidence in the Mineral Resource estimates.

#### **Bulk Density Data**

Bulk density data specific to the deposits at Bauxite Hills has been determined from measurements undertaken on 242 samples collected from 27 sonic drill holes completed across the BH1 & BH6 deposits. Ten additional sonic holes were drilled as duplicates over the 27 sites hence the estimation has 37 composites available. The methods of sample collection, measurement and determination, as well as the results, have been independently reviewed by Xstract Mining Consultants Pty Ltd. Based on the recommendations of this review the following bulk density values (dry basis) have been used as default values to calculate the tonnages at the deposits; 1.6 g/cm<sup>3</sup> at BH1 and 2 g/cm<sup>3</sup> at BH6. Where actual bulk density measurements are available then these have been used in the modelling process. The resource estimate for BH1 and BH6 is shown in Table 1.



**Table 2: Bauxite Hills – Combined DSO Resource Estimates**

| Resource Category | Dry In-situ DSO <sup>2</sup> Tonnes (Mt) <sup>1</sup> | Total SiO <sub>2</sub> (%) | Total Al <sub>2</sub> O <sub>3</sub> (%) | THA <sup>3</sup> (%) | RXSi <sup>4</sup> (%) | Relative Density | Thickness (m) |
|-------------------|---|----------------------------|--|----------------------|-----------------------|------------------|---------------|
| Measured          | 41.8  | 11.0                       | 51.0                                     | 39.2                 | 6.1                   | 1.8              | 2.0           |
| Indicated         | 8.3   | 14.0                       | 49.3                                     | 37.1                 | 6.8                   | 2.0              | 1.4           |
| Inferred          | 3.4   | 14.8                       | 48.4                                     | 35.9                 | 7.2                   | 2.0              | 1.2           |
| <b>TOTAL</b>      | <b>53.6</b>   | <b>11.7</b>                | <b>50.6</b>                              | <b>38.6</b>          | <b>6.3</b>            | <b>1.9</b>       | <b>1.8</b>    |

<sup>1</sup> For BH1 and BH6 the tonnages are calculated using the bulk densities modelled from analysis of sonic drilling core.

<sup>2</sup> DSO or "Direct shipping ore" is defined as bauxite that can be exported directly with minimal processing and beneficiation.

<sup>3</sup> THA is trihydrate available alumina (gibbsite alumina + kaolinite alumina – low temperature desilication product (DSP) alumina) at 150°C.

<sup>4</sup> RxSi is reactive silica at 150°C



**ASX : MMI**

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**COMPETENT PERSON'S STATEMENT** The information in this report that relates to Exploration Results is based on information compiled by Neil Maclean who is a consultant to Metro Mining and a Fellow of the Australian Institute of Mining and Metallurgy (F.AusImm). Mr Maclean has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Maclean consents to the inclusion in the report of the matters based on information in the form and context in which it appears.

The information in this report that relates to Mineral Resources is based on information compiled by Ed Radley who is a consultant to Metro Mining and a Member of the Austral Institute of Mining and Metallurgy (MAusImm). Review of this information was carried out by Jeff Randell of Geos Mining, a consultancy group contracted by Metro Mining Limited. Mr Randell is a Member of the Australian Institute of Geoscientists (AIG), a Registered Professional Geoscientist (RPGeo) and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Randell consents to the inclusion in the report the matters based on information in the form and context in which it appears.

# Appendix 1: JORC Code, 2012 Edition – Table 1 report template

## Bauxite Hills Project BH1 & BH6 Deposits – ‘Direct Shipping Ore’ (DSO) Resource Estimates

### Section 1 Sampling Techniques and Data

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

| Criteria                     | JORC Code explanation - DSO (“Direct Shipping Ore”)  | Commentary  |
|------------------------------|--|---|
| <b>Sampling Techniques</b>   | <ul style="list-style-type: none"> <li>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.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>In cases where ‘industry standard’ work has been done this would be relatively simple (e.g. ‘reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay’). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.</li> </ul> | <p>Reverse Circulation aircore drill hole samples were collected in plastic bags over 0.25 m intervals through a cyclone. All the material within the interval was collected. All samples were geologically logged at time of collection to determine 1) the type of bauxite material, 2) when to stop the hole, 3) which samples to retain for analyses and 4) which samples to composite over 0.5 m intervals.</p> <p>Samples were composited, at the time of collection, over 0.5 m intervals where the geologically logged material was similar or collected as individual 0.25 m samples.</p> <p>The entire sample was collected to ensure, as much as possible, the representivity of the drilled material. Sample weights were between 2 and 5 kg depending on whether they were composited at the time of collection.</p> <p>Samples that contained pisolites, in any volume, were assumed to be bauxitic and were retained for analyses.</p> |
| <b>Drilling Techniques</b>   | <ul style="list-style-type: none"> <li>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.).</li> </ul>  | <p>The resource evaluation drilling was carried out by Wallis Drilling Pty Ltd using a Mantis 100 Reverse Circulation aircore drill rig mounted on a light 4x4 truck. Shallow (4-6 m) holes were drilled vertically using HQ rods with an aircore drill bit with a diameter of 96 mm.</p> <p>Drilling to collect samples for bulk density and moisture determinations was undertaken by GeoSonic Drilling Pty Ltd using a small trailer-mounted sonic drill rig with an internal bit diameter of 65 mm.</p>   |
| <b>Drill Sample Recovery</b> | <ul style="list-style-type: none"> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>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.</li> </ul>   | <p>Reverse Circulation aircore drilling was used because of its proven reliability in producing high sample recoveries and accurate interval depths. No formal method of measuring and recording recoveries was adopted.</p> <p>To ensure representivity of the material being drilled the entire sample was collected from the drill hole.</p> <p>The aircore drilling method was used to ensure collection of as representative a sample as possible.</p> <p>The sonic drilling method was used to collect samples for bulk density determinations as it is a proven method of collecting continuous and intact samples that can be measured to determine volumes and weighed to determine densities.</p>   |

| Criteria  | JORC Code explanation - DSO ("Direct Shipping Ore")   | Commentary  |
|---|---|---|
| <b>Logging</b>  | <ul style="list-style-type: none"> <li>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.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> </ul>   | <p>All drilled intervals were geologically logged at 0.25 m intervals. The logging was done in a qualitative manner and focussed on documenting the amount of pisolitic material, soil, clays and ironstone. In the field the bauxitic horizons were defined by the presence of pisolites and the absence of ferricrete.</p>  |
| <b>Sub-Sampling Techniques and Sample Preparation</b> | <ul style="list-style-type: none"> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>Quality control procedures adopted for all sub-sampling stages to maximize representivity of samples.</li> <li>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.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul> | <p>No sub-sampling of material was undertaken at the time of collection. The entire sample was collected over 0.25 m intervals directly from the cyclone on the drill rig. The samples did not require any drying prior to bagging.</p> <p>For the analyses of DSO bauxite two sample preparation protocols were used as follows:</p> <ol style="list-style-type: none"> <li>For samples from drill holes on a nominal 320m by 320m grid that were previously screened (+1.2mm) and analysed <ul style="list-style-type: none"> <li>Create a composite sample (or samples) over the bauxite interval in each hole to be analysed using all the material in sample splits retained from earlier analyses of screened (beneficiated) samples (undertaken either under the supervision of the company or at ALS's Virginia laboratory).</li> <li>Report weight of received sample.</li> <li>Riffle split each sample down to an acceptable size for pulverizing and return split to original bag for storage (undertaken by ALS's Virginia laboratory in Brisbane).</li> <li>Pulverise the smaller portion of the split to a nominal 85% passing 75 microns (undertaken by ALS's Virginia laboratory in Brisbane).</li> </ul> </li> <li>For samples from in-fill drill holes on a nominal 160m by 160m grid that had not been previously prepared or analysed. <ul style="list-style-type: none"> <li>Report weight of received sample.</li> <li>Riffle split each sample down to an acceptable size for pulverising and return split to original bag for storage (undertaken by ALS's Virginia laboratory in Brisbane)</li> <li>Pulverise the smaller portion of the split to a nominal 85% passing 75 microns (undertaken by ALS's Virginia laboratory in Brisbane).</li> <li>Approximately 15% of the samples are composite samples that have been prepared in the laboratory by riffle splitting and combining. The composites do not include more than two samples.</li> </ul> </li> </ol> <p>This preparation is regarded as being appropriate for bauxite analyses.</p> <p>As the entire sample was collected in the field no duplicate sampling was possible or deemed to be required.</p> |
| <b>Quality of Assay Data &amp; Laboratory</b>         | <ul style="list-style-type: none"> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>For geophysical tools, spectrometers, handheld XRF instruments, etc.,</li> </ul>   | <p>Sample analyses were undertaken by ALS at its Stafford laboratory in Brisbane.</p>   |



| Criteria                                     | JORC Code explanation - DSO ("Direct Shipping Ore")  | Commentary  |
|--|--|---|
| <b>Tests</b>                                 | <p><i>the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i></p> <ul style="list-style-type: none"> <li>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.</li> </ul> | <p>The analytical methods applied to the pulverised sample were as follows:</p> <ul style="list-style-type: none"> <li>Total oxides by XRF (ALS code ME-XRF13b). <math>\text{Al}_2\text{O}_3</math>, <math>\text{BaO}</math>, <math>\text{CaO}</math>, <math>\text{Cr}_2\text{O}_3</math>, <math>\text{Fe}_2\text{O}_3</math>, <math>\text{K}_2\text{O}</math>, <math>\text{MgO}</math>, <math>\text{Na}_2\text{O}</math>, <math>\text{P}_2\text{O}_5</math>, <math>\text{SiO}_2</math>, <math>\text{SO}_3</math>, <math>\text{SrO}</math>, <math>\text{TiO}_2</math>, <math>\text{V}_2\text{O}_5</math>, <math>\text{Zn}</math>, <math>\text{ZrO}_2\text{O}</math>.</li> <li><math>\text{H}_2\text{O}/\text{LOI}</math> by TGA furnace (ALS code ME-GRA05)</li> <li>Available alumina in bauxite by ALS method AI-LICP01 (150°C)</li> <li>Reactive silica by ALS method Si-LOCP01 (150°C)</li> </ul> <p>Two standard reference samples for bauxite were obtained from Geostats Pty Ltd, renumbered, and provided to the laboratory to insert in each batch. One of each sample was inserted approximately every twenty (20) samples. This was regarded as a measure of the accuracy of the laboratory. The results were all within one standard deviation of the certified values indicating no significant bias between sample batches.</p> <p>No field duplicate samples were collected as the total sample was submitted for analysis.</p> <p>In the laboratory as a Quality Control measure, every 10th sample was completed in duplicate and four laboratory standards and one blank were run in conjunction with the samples and data reported to the company.</p> |
| <b>Verification of Sampling and Assaying</b> | <ul style="list-style-type: none"> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>  | <p>In the laboratory every 10th sample was completed in duplicate as listed above.</p> <p>Analyses from 21 twinned drill holes have been completed. Duplicate holes had very high correlation coefficients for the total silica, reactive silica, total alumina and available alumina grades that indicated no inherent problems in the sampling or laboratory protocol.</p> <p>Analytical data were provided by the laboratory in csv format and as pdf. The data have been compiled by the company into Excel spreadsheets and merged with drill hole location data and sample intervals.</p>   |
| <b>Location of Data Points</b>               | <ul style="list-style-type: none"> <li>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.</li> <li>Specification of the grid system used.</li> <li>Quality and adequacy of topographic control.</li> </ul>  | <p>Drill hole collar positions were surveyed by Fugro Spatial Solutions Pty Ltd using Trimble RTK GPS units. Three units were used; one base station and two rovers. Easting and Northing co-ordinates were quoted to three decimal places based on datum GDA94 using zone 54. Elevation was quoted to two decimal places using an adopted AHD from Ausgeoid'09.</p> <p>In late 2014 Lidar data was acquired which provides more accurate elevation data. This data has been used in the resource modelling.</p>  |
| <b>Data Spacing &amp; Distribution</b>       | <ul style="list-style-type: none"> <li>Data spacing for reporting of Exploration Results.</li> <li>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.</li> <li>Whether sample compositing has been applied.</li> </ul>   | <p>In the BH1 area 1,482 holes were drilled on a nominal 80m x 80m north-south, east-west grid.</p> <p>Samples from a subset of the drilling program, representing a nominal 160m x 160m grid were submitted for analyses. The remainder of the samples have been retained in storage.</p> <p>This data spacing is deemed sufficient to establish the degree of geological and grade continuity appropriate for an Measured Mineral</p>   |

| Criteria   | JORC Code explanation - DSO ("Direct Shipping Ore")  | Commentary   |
|--|--|--|
|  |  | <p>Resource estimate at BH1, where holes with a sonic density reading are within 800m. This distance is based on the typical distance generated by the variography of the various analysis.</p> <p>For the purposes of the DSO bauxite Mineral Resource estimate at BH1, samples have been composited over the entire bauxite interval in each hole as determined by earlier analyses of screened samples over 0.25 m and 0.5 m intervals.</p> <p>In the BH6 area 505 holes were completed on a 160m x 160m grid.</p> <p>Samples from a subset of the drilling program, representing a nominal 160m x 160m grid, were submitted for analyses. This data spacing was deemed sufficient to establish the degree of geological and grade continuity appropriate for an Indicated Mineral Resource estimate. In February 2015 the sonic drilling program established a series of holes through the area allowing the certainty to assign Measured Resource within 800m of the dry bulk density analysis.</p> <p>Samples from the 160m x 160m grid were composited over the entire bauxite interval in each hole as determined by earlier analyses of screened samples over 0.25 m and 0.5 m intervals. No individual 0.25m or 0.5m samples remain from these holes</p> <p>Approximately 15% of the samples from the 160m x 160m in-fill drilling were composites prepared in the laboratory by riffle splitting and combining a maximum of two samples. All other samples were the original 0.25m or 0.5m samples.</p> |
| <b>Orientation of Data in Relation to Geological Structure</b> | <ul style="list-style-type: none"> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>If the relationship between the drilling orientation and the orientation of key mineralized structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</li> </ul> | <p>All drill holes are vertical and intersect the mineralisation at an approximate 90° angle. The mineralisation is known to be near horizontal with a tabular attitude. This is typical of bauxite deposits in the Weipa area. There is therefore no sampling bias resulting from the orientation of the drilling and that of the mineralised body.</p>   |
| <b>Sample Security</b>   | <ul style="list-style-type: none"> <li>The measures taken to ensure sample security.</li> </ul>  | <p>The samples were collected in large plastic sample bags on site which were secured with industrial quality duct tape and then placed, along with other samples from the drill hole, in large polyweave bags which were secured with cable ties.</p> <p>Due to the nature of bauxite mineralisation there is little opportunity to tamper with or otherwise modify the sample.</p> <p>The samples used in the DSO bauxite Mineral Resource estimates were stored in secure containers in a locked shed in a secured industrial estate in Raceview, Ipswich, Queensland.</p>  |
| <b>Audits or reviews</b>                                       | <ul style="list-style-type: none"> <li>The results of any audits or reviews of sampling techniques and data.</li> </ul>  | <p>No independent audits of the aircore drilling and sampling procedures have been undertaken. Geos Mining has reviewed the data and modelling methodology and provided recommendations to enable sign off as a Competent Person for the Mineral Resources at both BH1 and BH6 deposits.</p>   |

| Criteria | JORC Code explanation - DSO ("Direct Shipping Ore") | Commentary   |
|----------|---|--|
|          |   | A review of the bulk density determinations derived from the sonic drilling program has been undertaken by Xstract Mining Consultants Pty Ltd. |

## Section 2 Reporting of Exploration Results

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

| Criteria                                       | JORC Code explanation – BH1 & BH6 DSO ("Direct Shipping Ore")   | Commentary   |
|--|---|--|
| <b>Mineral Tenement and Land Tenure Status</b> | <ul style="list-style-type: none"> <li>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.</li> <li>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.</li> </ul>  | <p>BH6 is located within EPM 16899 and BH1 within EPM 15376. The EPMs are held by Cape Alumina Limited a wholly owned subsidiary of Metro Mining Limited. The tenements lie within the Mapoon DOGIT with whom the company has a Conduct and Compensation agreement.</p> <p>The underlying tenements are in good standing.</p>  |
| <b>Exploration Done by Other Parties</b>       | <ul style="list-style-type: none"> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>   | <p>An appraisal has been undertaken of previous exploration for bauxite. Although some widespread sampling existed there was no evidence of systematic, grid-based drilling.</p>   |
| <b>Geology</b>                                 | <ul style="list-style-type: none"> <li>Deposit type, geological setting and style of mineralization.</li> </ul>   | <p>The deposit type is lateritic bauxite derived from the weathering of aluminous sediments in a tropical to sub-tropical environment.</p>   |
| <b>Drill Hole Information</b>                  | <ul style="list-style-type: none"> <li>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: <ul style="list-style-type: none"> <li>easting and northing of the drill hole collar</li> <li>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>dip and azimuth of the hole</li> <li>down hole length and interception depth</li> <li>hole length.</li> </ul> </li> <li>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.</li> </ul> | <p>All the drill hole information, including surveyed collars with easting, northing, elevation and depth, geological logs and analytical data are presented in Excel spreadsheets. These data were used in the estimation of the Mineral Resources. The data are stored within Metro Mining's server which is regularly backed-up.</p>  |
| <b>Data Aggregation Methods</b>                | <ul style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>   | <p>For each drill hole, bauxite intervals are based on a cut-off of ≥45% total Al<sub>2</sub>O<sub>3</sub> and ≤8% Reactive SiO<sub>2</sub> based on the analyses of beneficiated (+1.2mm) samples. A minimum thickness of 0.5 m was applied and the top 0.25 m was considered to be overburden and was not aggregated. Down-hole assays were weighted on the basis of both intercept thickness and intercept recovery (wt% +1.2mm material) to determine the weighted average assay for the bauxite zone in each drill intercept. No upper cut-off grades were applied.</p> <p>Some DSO bauxite samples used in the Mineral Resource estimates were created by compositing the splits over the entire bauxite interval, as defined by the cut-offs described above, for each hole. The remainder (~80%) are non-composited 0.25m or 0.5m samples.</p> |

| Criteria  | JORC Code explanation – BH1 & BH6 DSO (“Direct Shipping Ore”)   | Commentary   |
|---|---|--|
| <b>Relationship between Mineralization Widths and Intercept Lengths</b> | <ul style="list-style-type: none"> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralization with respect to the drill hole angle is known, its nature should be reported.</li> <li>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. ‘down hole length, true width not known’).</li> </ul> | All drill holes are vertical and intersect the mineralisation at an approximate 90° angle. The mineralisation is known to be near horizontal with a tabular attitude. Intercept lengths are therefore approximately the same as the true widths of the mineralisation This is typical of bauxite deposits in the Weipa area. |
| <b>Diagrams</b>   | <ul style="list-style-type: none"> <li>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</li> </ul>   | See diagrams in the report.  |
| <b>Balanced Reporting</b>   | <ul style="list-style-type: none"> <li>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</li> </ul>   | This is not deemed to be Material for the reporting of the Mineral Resources which considers all the analytical data.  |
| <b>Other Substantive Exploration Data</b>                               | <ul style="list-style-type: none"> <li>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</li> </ul>           | Apart from the samples obtained from the Reverse Circulation aircore drilling a small number of bulk samples were collected over 1 m intervals from the aircore drilling for dispatch to potential customers.  |
| <b>Further Work</b>   | <ul style="list-style-type: none"> <li>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> </ul>   | No further exploration drilling is planned at the BH6 plateau. Any further drilling is likely to be for additional bulk density data, water bores, environmental and mine planning.  |

### Section 3 Estimation and Reporting of Mineral Resources

(Criteria listed in section 1, and where relevant in section 2, also apply to this section.)

| Criteria                  | JORC Code explanation –BH1 & BH6 DSO (“Direct Shipping Ore”)   | Commentary  |
|---------------------------|--|---|
| <b>Database Integrity</b> | <ul style="list-style-type: none"> <li>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.</li> </ul> <p>Data <b>validation</b> procedures used.</p> | Analytical data was received from the laboratory in csv format and merged with drill hole locational and from-to data in Excel spreadsheets. Checks were run to look for and correct duplicated intervals, gaps and typing errors. Vulcans database import and Compositing routines generated validation log files that were all checked in detail. All issues identified were verified, checked and corrected. |
| <b>Site Visits</b>        | <ul style="list-style-type: none"> <li>Comment on any site visits undertaken by the Competent Person and the outcome of those visits.</li> <li>If no site visits have been undertaken indicate why this is the case.</li> </ul>  | <p>The Competent Person for exploration results, Neil McLean, supervised the drilling program and was on site a number of times during the program.</p> <p>The Competent Person for the mineral resource estimate, Jeff Randell, has carried out several mineral resource estimations on an adjacent tenement that contains an extension of the BH6 deposit. He has also</p>                                    |

| Criteria                                     | JORC Code explanation –BH1 & BH6 DSO (“Direct Shipping Ore”)  | Commentary  |
|--|---|---|
|  |   | supervised drilling programs over the past 6 years for that company.  |
| <b>Geological Interpretation</b>             | <ul style="list-style-type: none"> <li>Confidence in (or conversely, the uncertainty of) the geological interpretation of the mineral deposit.</li> <li>Nature of the data used and of any assumptions made.</li> <li>The effect, if any, of alternative interpretations on Mineral Resource estimation.</li> <li>The use of geology in guiding and controlling Mineral Resource estimation.</li> <li>The factors affecting continuity both of grade and geology.</li> </ul>  | The geological interpretation is grade-based using a threshold of $\geq 45\%$ total $\text{Al}_2\text{O}_3$ and $\leq 8\%$ reactive $\text{SiO}_2$ to define economic bauxite. The continuity of the geological interpretation is confirmed with a reasonable degree of confidence. The data points are spaced at 160m in a nominal grid pattern over the entire BH1 and BH6 deposit. Information from other deposits in the Weipa area, such as the company's Pisolite Hills project where Mineral Resource estimates exist, provide additional confidence in the geological model.  |
| <b>Dimensions</b>                            | <ul style="list-style-type: none"> <li>The extent and variability of the Mineral Resource expressed as length (along strike or otherwise), plan width, and depth below surface to the upper and lower limits of the Mineral Resource.</li> </ul>  | <p>The mineralisation within the bauxite plateaus is flat lying and tabular in form. The Mineral Resources have the following surface areas, average bauxite thicknesses and average overburden thicknesses.</p> <p>BH6: Area 8.9 km<sup>2</sup>. Bauxite thickness 1.5 m. Overburden 0.5 m</p> <p>BH1: Area 6.8 km<sup>2</sup>. Bauxite thickness 1.7 m. Overburden 0.6 m</p>  |
| <b>Estimation &amp; Modelling Techniques</b> | <ul style="list-style-type: none"> <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> <li>The availability of check estimates, previous estimates and/or mine production records and whether the Mineral Resource estimate takes appropriate account of such data.</li> <li>The assumptions made regarding recovery of by-products.</li> <li>Estimation of deleterious elements or other non-grade variables of economic significance (e.g. sulphur for acid mine drainage characterisation).</li> <li>In the case of block model interpolation, the block size in relation to the average sample spacing and the search employed.</li> <li>Any assumptions behind modelling of selective mining units.</li> <li>Any assumptions about correlation between variables.</li> <li>Description of how the geological interpretation was used to control the resource estimates.</li> <li>Discussion of basis for using or not using grade cutting or capping.</li> <li>The process of validation, the checking process used, the comparison of model data to drill hole data, and use of reconciliation data if available.</li> </ul> | <p>A block model was created by constructing a DTM and model of the soil, bauxite and transition zone. The block model was cut to tenement boundaries, environmentally sensitive areas and bauxitic plateaus then filled with assay and bulk density data using an Ordinary Kriging algorithm with variograms created for total silica/ alumina, available alumina, reactive silica and dry bulk density.</p> <p>Estimation parameters used included:</p> <ul style="list-style-type: none"> <li>Block size 40m x 40m x 1.5m</li> <li>Omnidirectional search ellipse with maximum search distance of 800m</li> <li>lag intervals 100, 200, 400, 800, 1200m.</li> <li>Nugget, major/ minor ranges determined by best fit variograms</li> </ul> |
| <b>Moisture</b>                              | <ul style="list-style-type: none"> <li>Whether the tonnages are estimated on a dry basis or with natural moisture, and the method of determination of the moisture content.</li> </ul>  | The tonnes are quoted on a dry basis. The moisture contents were measured by ALS on the sonic drill samples collected from BH6 and BH1. Following drying the samples were re-weighed to provide a weight to use in the bulk density calculations.   |
| <b>Cut-off</b>                               | <ul style="list-style-type: none"> <li>The basis of the adopted cut-off grade(s) or quality parameters</li> </ul>   | Mineralised zones are defined by grades $\geq 45\%$ total $\text{Al}_2\text{O}_3$ and $\leq 8\%$  |



| Criteria                                    | JORC Code explanation –BH1 & BH6 DSO (“Direct Shipping Ore”)   | Commentary   |
|---|--|--|
| <b>Parameters</b>                           | applied.   | reactive SiO <sub>2</sub> .  |
| <b>Mining factors or Assumptions</b>        | <ul style="list-style-type: none"> <li>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.</li> </ul>   | <p>The resource model assumes open pit mining for all defined resources using loaders and trucks. No blasting is envisaged based on bauxite mining operations elsewhere in the Weipa area.</p> <p>Grade control will be assisted by laser levelling equipment fitted to mining equipment with face grade control measured by the use of portable XRF equipment and/or field laboratory.</p>  |
| <b>Metallurgical Factors or Assumptions</b> | <ul style="list-style-type: none"> <li>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.</li> </ul>   | <p>THA (trihydrate alumina) and RxSi (reactive silica) analyses have been undertaken on all beneficiated (+1.2mm) samples from BH6 as well as the composited, DSO bauxite samples from BH6. These results are used together with the results from the XRF analyses to calculate an estimated BA (boehmite alumina) content. The calculation makes the assumption that all Al<sub>2</sub>O<sub>3</sub> is contained within gibbsite, boehmite and kaolinite and that all SiO<sub>2</sub> occurs in kaolinite and quartz. A small proportion of Al<sub>2</sub>O<sub>3</sub> may occur in an amorphous form and result in a small error in the amount of calculated BA. A small number of negative BA numbers were reported from the calculation.</p> |
| <b>Environmental Factors or Assumptions</b> | <ul style="list-style-type: none"> <li>Assumptions made regarding possible waste and process residue disposal options. It is always necessary as part 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.</li> </ul> | <p>An EIS has not been undertaken over the Bauxite Hills deposits. Small-scale mining of kaolin has been undertaken at the Skardon Mine located to the south of the BH6 deposit indicating that the district is not necessary regarded as 'greenfields'.</p> <p>There are several environmentally sensitive areas surrounding the bauxite deposit but their location is accurately known; no bauxite resources have been included within these areas.</p>  |
| <b>Bulk Density</b>                         | <ul style="list-style-type: none"> <li>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.</li> <li>The bulk density for bulk material must have been measured by methods that adequately account for void spaces (vugs, porosity, etc.), moisture and differences between rock and alteration zones within the deposit.</li> <li>Discuss assumptions for bulk density estimates used in the evaluation process of the different materials.</li> </ul>  | <p>Bulk density data specific to the deposits at Bauxite Hills has been determined from measurements undertaken on 242 samples collected from 27 sonic drill holes completed across the BH1, and BH6 deposits. The methods of sample collection, measurement and determination, as well as the results, have been independently reviewed by Xstract Mining Consultants Pty Ltd. The dry bulk density analysis was used to build a model using a triangulation surface fit to derive the values. The sonic drilling method was used to collect core samples for bulk density determinations as it is a proven method of collecting continuous and intact samples that can be measured to determine volumes and weighed to determine densities.</p>  |
| <b>Classification</b>                       | <ul style="list-style-type: none"> <li>The basis for the classification of the Mineral Resources into varying confidence categories.</li> <li>Whether appropriate account has been taken of all relevant factors (i.e. relative confidence in tonnage/grade estimations, reliability of</li> </ul>   | <p>The Mineral Resources have been classified as Measured, Indicated and Inferred. This reflects the density of sampling at nominal 160m centres, the availability of bulk density data and the modelling method utilised.</p>   |

| Criteria   | JORC Code explanation –BH1 & BH6 DSO (“Direct Shipping Ore”)  | Commentary   |
|--|---|--|
|  | <p>input data, confidence in continuity of geology and metal values, quality, quantity and distribution of the data).</p> <ul style="list-style-type: none"> <li>Whether the result appropriately reflects the Competent Person's view of the deposit.</li> </ul>   |  |
| <b>Audits or Reviews</b>                           | <ul style="list-style-type: none"> <li>The results of any audits or reviews of Mineral Resource estimates.</li> </ul>   | Geos Mining has carried out an independent review of the Mineral Resource data and techniques.   |
| <b>Discussion of Relative Accuracy/ Confidence</b> | <ul style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>These statements of relative accuracy and confidence of the estimate should be compared with production data, where available.</li> </ul> | <p>In accordance with the classification as Measured Resources, the Competent Person considers that there is moderate confidence that the bulk density of each block represented in the model based on analytical data. Measured resources were limited to portions of the model within 800m of bore holes with bulk density data. Significant variability has been noted within the deposits dry bulk density analysis. This factor needs to be taken into account in mine planning decisions.</p> <p>In accordance with the classification as Indicated Resources, the Competent Person considers that there is moderate confidence that the total silica and alumina grades in each block are as estimated. This confidence is underpinned by the close spaced (160m) drill holes, some of which have been assayed, and results of the variography that suggest spatial continuity over distances of up to 3kms. There is however a moderately high nugget that suggests significant local variability in grade that must be considered in further upgrades of resource classification.</p> <p>The modelled available alumina and reactive silica grades should be considered from a global perspective only as there insufficient samples to predict local changes. Further sampling is required in order to increase confidence in this parameter</p> |

| Drill Hole | Easting<br>MGA94 Z54 | Northing<br>MGA94 Z54 | RL<br>(m) | Total Hole<br>Depth<br>(m) | From<br>(m) | To<br>(m) | Interval<br>(m) | %<br>Al <sub>2</sub> O <sub>3</sub> | %<br>SiO <sub>2</sub> | %<br>Fe <sub>2</sub> O <sub>3</sub> | %<br>THA | %<br>R <sub>x</sub> SiO <sub>2</sub> | Relative<br>Density |
|------------|----------------------|-----------------------|-----------|----------------------------|-------------|-----------|-----------------|-------------------------------------|-----------------------|-------------------------------------|----------|--------------------------------------|---------------------|
| BH1-0001   | 617992               | 8694319               | 6.3       | 4.00                       | 0.25        | 3.00      | 2.75            | 50.80                               | 13.90                 | 6.95                                | 39.80    | 6.60                                 |                     |
| BH1-0003   | 618152               | 8694326               | 5.9       | 2.50                       | 0.25        | 1.00      | 0.75            | 50.93                               | 8.65                  | 11.45                               | 43.20    | 4.83                                 |                     |
| BH1-0005   | 618318               | 8694323               | 8.1       | 3.00                       | 0.25        | 2.50      | 2.25            | 50.75                               | 11.55                 | 9.23                                | 39.60    | 7.40                                 |                     |
| BH1-0007   | 618479               | 8694327               | 8.5       | 4.00                       | 0.25        | 3.00      | 2.75            | 49.20                               | 14.30                 | 8.44                                | 37.60    | 7.80                                 |                     |
| BH1-0008   | 618553               | 8694317               | 8.3       | 2.75                       | 0.50        | 2.00      | 1.50            | 51.53                               | 12.89                 | 5.78                                | 41.67    | 7.28                                 |                     |
| BH1-0042   | 617918               | 8694485               | 9.1       | 2.25                       | 1.50        | 1.75      | 0.25            | 45.00                               | 13.20                 | 17.45                               | 31.60    | 8.00                                 |                     |
| BH1-0043   | 617993               | 8694478               | 8.4       | 3.00                       | 0.75        | 2.25      | 1.50            | 49.08                               | 12.69                 | 11.46                               | 37.05    | 7.57                                 |                     |
| BH1-0045   | 618160               | 8694483               | 8.9       | 3.00                       | 0.50        | 2.25      | 1.75            | 51.24                               | 9.86                  | 9.60                                | 42.30    | 6.04                                 |                     |
| BH1-0047   | 618317               | 8694485               | 9.2       | 4.25                       | 0.25        | 3.00      | 2.75            | 51.39                               | 11.34                 | 8.37                                | 42.80    | 5.75                                 |                     |
| BH1-0049   | 618484               | 8694495               | 7.6       | 3.50                       | 0.25        | 2.75      | 2.50            | 52.96                               | 7.96                  | 9.30                                | 44.54    | 5.38                                 |                     |
| BH1-0065   | 620086               | 8694499               | 7.2       | 2.50                       | 1.00        | 1.75      | 0.75            | 49.33                               | 12.00                 | 11.55                               | 36.50    | 8.47                                 |                     |
| BH1-0114   | 617912               | 8694649               | 8.7       | 1.75                       | 0.25        | 1.25      | 1.00            | 52.17                               | 8.34                  | 10.57                               | 41.95    | 5.30                                 |                     |
| BH1-0115   | 617999               | 8694649               | 9.1       | 3.50                       | 0.50        | 2.50      | 2.00            | 52.20                               | 9.71                  | 9.26                                | 41.20    | 5.80                                 |                     |
| BH1-0117   | 618161               | 8694647               | 8.2       | 3.00                       | 0.25        | 2.25      | 2.00            | 52.45                               | 8.57                  | 9.81                                | 42.67    | 5.09                                 |                     |
| BH1-0121   | 618475               | 8694641               | 0.9       | 4.50                       | 0.75        | 3.75      | 3.00            | 52.68                               | 8.22                  | 8.94                                | 44.75    | 5.00                                 |                     |
| BH1-0123   | 618646               | 8694646               | 8.2       | 4.00                       | 0.50        | 3.00      | 2.50            | 50.56                               | 9.94                  | 10.59                               | 41.58    | 6.16                                 |                     |
| BH1-0125   | 618795               | 8694645               | 7.9       | 4.75                       | 0.25        | 3.00      | 2.75            | 50.62                               | 12.71                 | 9.47                                | 39.82    | 5.93                                 |                     |
| BH1-0133   | 619444               | 8694656               | 8.0       | 4.25                       | 0.75        | 3.25      | 2.50            | 49.97                               | 11.18                 | 11.28                               | 38.49    | 7.41                                 |                     |
| BH1-0135   | 619601               | 8694645               | 7.5       | 3.00                       | 0.75        | 2.00      | 1.25            | 51.58                               | 11.17                 | 8.87                                | 37.70    | 8.34                                 |                     |
| BH1-0137   | 619756               | 8694645               | 8.4       | 3.00                       | 0.25        | 2.00      | 1.75            | 50.99                               | 10.51                 | 11.66                               | 36.17    | 6.66                                 |                     |
| BH1-0139   | 619915               | 8694642               | 8.1       | 3.00                       | 0.50        | 2.50      | 2.00            | 51.35                               | 11.73                 | 8.11                                | 39.88    | 7.55                                 |                     |
| BH1-0141   | 620078               | 8694642               | 8.9       | 4.00                       | 0.50        | 2.50      | 2.00            | 50.42                               | 11.29                 | 11.64                               | 34.53    | 7.56                                 |                     |
| BH1-0192   | 617675               | 8694802               | 7.5       | 2.00                       | 0.50        | 1.50      | 1.00            | 46.22                               | 14.07                 | 13.59                               | 34.75    | 7.72                                 |                     |
| BH1-0194   | 617839               | 8694803               | 8.3       | 4.25                       | 0.50        | 3.50      | 3.00            | 51.07                               | 10.18                 | 10.16                               | 41.70    | 5.95                                 |                     |
| BH1-0196   | 618001               | 8694799               | 9.0       | 2.25                       | 0.50        | 1.25      | 0.75            | 52.27                               | 10.44                 | 8.76                                | 39.60    | 6.20                                 |                     |
| BH1-0198   | 618150               | 8694804               | 8.3       | 5.00                       | 0.50        | 4.00      | 3.50            | 52.61                               | 9.21                  | 8.52                                | 43.16    | 5.76                                 |                     |
| BH1-0200   | 618319               | 8694800               | 9.5       | 4.75                       | 0.25        | 3.00      | 2.75            | 52.35                               | 10.36                 | 8.06                                | 42.65    | 5.36                                 |                     |
| BH1-0202   | 618480               | 8694806               | 7.2       | 5.00                       | 0.25        | 4.00      | 3.75            | 52.26                               | 8.44                  | 9.77                                | 43.72    | 4.85                                 |                     |
| BH1-0204   | 618642               | 8694803               | 7.1       | 4.00                       | 0.25        | 3.25      | 3.00            | 51.95                               | 11.25                 | 10.66                               | 35.82    | 6.57                                 |                     |
| BH1-0206   | 618798               | 8694799               | 7.9       | 3.00                       | 0.50        | 2.00      | 1.50            | 50.15                               | 9.70                  | 12.60                               | 39.38    | 5.53                                 |                     |
| BH1-0208   | 618955               | 8694800               | 8.5       | 4.75                       | 0.25        | 3.00      | 2.75            | 51.36                               | 10.73                 | 9.04                                | 41.83    | 5.70                                 |                     |
| BH1-0210   | 619124               | 8694805               | 8.3       | 4.50                       | 0.25        | 3.00      | 2.75            | 50.11                               | 12.88                 | 11.10                               | 36.23    | 7.87                                 |                     |
| BH1-0212   | 619275               | 8694805               | 7.6       | 2.75                       | 0.25        | 2.00      | 1.75            | 51.79                               | 8.38                  | 11.87                               | 41.57    | 4.63                                 |                     |
| BH1-0214   | 619440               | 8694802               | 8.1       | 2.75                       | 0.25        | 2.00      | 1.75            | 50.81                               | 10.35                 | 12.15                               | 37.01    | 6.09                                 |                     |
| BH1-0216   | 619599               | 8694814               | 7.0       | 5.00                       | 0.25        | 2.50      | 2.25            | 53.59                               | 10.65                 | 6.19                                | 42.83    | 5.57                                 |                     |
| BH1-0218   | 619766               | 8694805               | 7.1       | 3.75                       | 0.50        | 3.00      | 2.50            | 51.43                               | 10.74                 | 10.68                               | 38.16    | 6.54                                 |                     |
| BH1-0220   | 619918               | 8694812               | 6.9       | 5.00                       | 0.50        | 3.50      | 3.00            | 52.23                               | 10.20                 | 10.16                               | 40.65    | 5.42                                 |                     |
| BH1-0222   | 620081               | 8694798               | 7.6       | 5.00                       | 0.25        | 3.00      | 2.75            | 52.45                               | 8.65                  | 9.39                                | 41.35    | 6.06                                 |                     |
| BH1-0224   | 620244               | 8694814               | 8.7       | 3.75                       | 0.50        | 2.00      | 1.50            | 53.77                               | 7.15                  | 7.54                                | 44.50    | 5.37                                 |                     |
| BH1-0226   | 620396               | 8694801               | 8.7       | 3.00                       | 0.50        | 2.50      | 2.00            | 51.81                               | 8.47                  | 9.91                                | 41.94    | 6.59                                 |                     |
| BH1-0251   | 619031               | 8694880               | 8.8       | 3.00                       | 0.25        | 2.50      | 2.25            | 51.95                               | 8.41                  | 10.35                               | 43.48    | 5.01                                 |                     |
| BH1-0251A  | 619031               | 8694880               | 8.8       | 3.00                       | 0.25        | 2.50      | 2.25            | 51.82                               | 9.28                  | 10.20                               | 42.38    | 5.59                                 |                     |

| Drill Hole | Easting<br>MGA94 Z54 | Northing<br>MGA94 Z54 | RL<br>(m) | Total Hole<br>Depth<br>(m) | From<br>(m) | To<br>(m) | Interval<br>(m) | %<br>Al <sub>2</sub> O <sub>3</sub> | %<br>SiO <sub>2</sub> | %<br>Fe <sub>2</sub> O <sub>3</sub> | %<br>THA | %<br>R <sub>x</sub> SiO <sub>2</sub> | Relative<br>Density |
|------------|----------------------|-----------------------|-----------|----------------------------|-------------|-----------|-----------------|-------------------------------------|-----------------------|-------------------------------------|----------|--------------------------------------|---------------------|
| BH1-0277   | 617676               | 8694960               | 8.4       | 2.75                       | 0.50        | 2.00      | 1.50            | 51.97                               | 10.39                 | 7.16                                | 42.40    | 7.97                                 |                     |
| BH1-0279   | 617835               | 8694961               | 8.3       | 5.00                       | 0.25        | 3.50      | 3.25            | 49.52                               | 15.90                 | 7.22                                | 38.98    | 6.57                                 |                     |
| BH1-0281   | 617998               | 8694969               | 9.0       | 3.00                       | 0.50        | 2.25      | 1.75            | 54.21                               | 5.58                  | 8.83                                | 47.79    | 3.57                                 |                     |
| BH1-0283   | 618160               | 8694964               | 8.7       | 1.75                       | 0.50        | 0.75      | 0.25            | 48.10                               | 18.15                 | 11.20                               | 29.30    | 8.30                                 |                     |
| BH1-0285   | 618321               | 8694960               | 8.5       | 3.75                       | 0.50        | 3.00      | 2.50            | 53.46                               | 8.19                  | 9.13                                | 44.74    | 4.30                                 | 1.96                |
| BH1-0287   | 618474               | 8694956               | 7.8       | 5.50                       | 0.75        | 4.00      | 3.25            | 52.12                               | 10.32                 | 9.11                                | 40.48    | 5.11                                 |                     |
| BH1-0289   | 618645               | 8694976               | 7.8       | 5.25                       | 0.50        | 5.00      | 4.50            | 51.64                               | 7.64                  | 11.45                               | 42.74    | 5.18                                 |                     |
| BH1-0291   | 618805               | 8694970               | 8.8       | 5.00                       | 0.25        | 3.00      | 2.75            | 50.59                               | 13.72                 | 8.27                                | 39.35    | 5.79                                 |                     |
| BH1-0293   | 618951               | 8694965               | 8.7       | 5.00                       | 0.50        | 4.25      | 3.75            | 52.22                               | 7.66                  | 10.10                               | 44.06    | 4.57                                 | 2.00                |
| BH1-0295   | 619119               | 8694970               | 9.1       | 5.00                       | 0.25        | 4.00      | 3.75            | 51.39                               | 11.44                 | 10.11                               | 39.16    | 5.18                                 |                     |
| BH1-0297   | 619281               | 8694969               | 8.7       | 6.25                       | 1.00        | 5.00      | 4.00            | 51.20                               | 9.54                  | 10.60                               | 41.40    | 5.50                                 |                     |
| BH1-0299   | 619445               | 8694964               | 7.2       | 5.00                       | 0.50        | 3.00      | 2.50            | 50.98                               | 11.45                 | 9.74                                | 39.53    | 5.63                                 |                     |
| BH1-0301   | 619604               | 8694964               | 7.6       | 3.00                       | 0.50        | 2.50      | 2.00            | 52.41                               | 6.76                  | 12.06                               | 42.57    | 3.36                                 |                     |
| BH1-0303   | 619758               | 8694962               | 7.7       | 4.25                       | 0.25        | 3.25      | 3.00            | 52.52                               | 8.41                  | 9.67                                | 42.91    | 5.02                                 |                     |
| BH1-0305   | 619909               | 8694972               | 7.9       | 7.00                       | 0.75        | 6.00      | 5.25            | 51.99                               | 10.39                 | 8.94                                | 41.25    | 6.02                                 | 1.64                |
| BH1-0307   | 620079               | 8694974               | 8.9       | 6.00                       | 0.25        | 4.50      | 4.25            | 52.88                               | 7.40                  | 10.34                               | 40.83    | 5.05                                 |                     |
| BH1-0311   | 620406               | 8694965               | 8.0       | 4.50                       | 0.25        | 2.50      | 2.25            | 52.30                               | 9.78                  | 10.81                               | 35.78    | 6.54                                 |                     |
| BH1-0313   | 620554               | 8694965               | 8.6       | 2.75                       | 0.50        | 2.00      | 1.50            | 52.80                               | 7.96                  | 9.37                                | 41.70    | 5.83                                 | 1.65                |
| BH1-0380   | 617674               | 8695118               | 6.1       | 4.25                       | 0.75        | 3.50      | 2.75            | 50.47                               | 11.29                 | 9.50                                | 39.32    | 7.47                                 |                     |
| BH1-0382   | 617838               | 8695123               | 7.6       | 3.75                       | 0.25        | 3.00      | 2.75            | 53.59                               | 6.90                  | 8.49                                | 45.51    | 4.80                                 |                     |
| BH1-0384   | 618002               | 8695127               | 6.5       | 3.50                       | 0.25        | 2.50      | 2.25            | 50.36                               | 15.09                 | 7.92                                | 35.71    | 8.08                                 |                     |
| BH1-0386   | 618154               | 8695121               | 7.3       | 4.50                       | 0.25        | 3.50      | 3.25            | 53.06                               | 6.62                  | 9.53                                | 45.21    | 4.26                                 |                     |
| BH1-0388   | 618320               | 8695126               | 6.7       | 5.00                       | 0.50        | 3.50      | 3.00            | 51.76                               | 12.12                 | 7.27                                | 40.64    | 5.88                                 |                     |
| BH1-0390   | 618480               | 8695122               | 6.9       | 5.75                       | 0.50        | 4.00      | 3.50            | 51.11                               | 13.94                 | 7.68                                | 38.91    | 5.76                                 |                     |
| BH1-0392   | 618632               | 8695123               | 8.6       | 5.75                       | 0.50        | 4.50      | 4.00            | 52.21                               | 10.51                 | 8.44                                | 42.38    | 5.86                                 |                     |
| BH1-0394   | 618800               | 8695122               | 8.5       | 5.00                       | 0.25        | 3.50      | 3.25            | 51.52                               | 12.28                 | 7.62                                | 42.93    | 5.48                                 |                     |
| BH1-0396   | 618959               | 8695121               | 8.0       | 5.75                       | 0.50        | 3.00      | 2.50            | 51.55                               | 12.31                 | 8.35                                | 40.89    | 6.24                                 |                     |
| BH1-0398   | 619112               | 8695130               | 8.8       | 3.50                       | 0.25        | 2.75      | 2.50            | 52.36                               | 7.26                  | 12.17                               | 43.35    | 4.34                                 |                     |
| BH1-0400   | 619274               | 8695137               | 8.7       | 6.25                       | 0.75        | 5.00      | 4.25            | 50.94                               | 11.13                 | 11.19                               | 39.58    | 6.30                                 |                     |
| BH1-0402   | 619444               | 8695128               | 9.6       | 4.00                       | 0.50        | 2.50      | 2.00            | 50.47                               | 13.16                 | 8.79                                | 39.60    | 6.23                                 |                     |
| BH1-0404   | 619603               | 8695126               | 7.7       | 5.00                       | 0.25        | 4.00      | 3.75            | 50.43                               | 9.64                  | 13.15                               | 39.95    | 5.94                                 |                     |
| BH1-0406   | 619754               | 8695129               | 7.3       | 4.50                       | 0.25        | 3.50      | 3.25            | 50.76                               | 10.00                 | 12.75                               | 38.57    | 5.53                                 |                     |
| BH1-0408   | 619927               | 8695134               | 7.4       | 5.25                       | 0.25        | 4.50      | 4.25            | 52.95                               | 8.23                  | 11.73                               | 38.43    | 5.57                                 |                     |
| BH1-0410   | 620076               | 8695123               | 8.0       | 6.50                       | 0.25        | 5.00      | 4.75            | 51.66                               | 11.50                 | 9.56                                | 38.04    | 6.52                                 |                     |
| BH1-0412   | 620240               | 8695128               | 9.1       | 7.00                       | 0.25        | 2.50      | 2.25            | 51.69                               | 9.66                  | 9.21                                | 39.74    | 5.28                                 |                     |
| BH1-0414   | 620400               | 8695126               | 9.8       | 6.75                       | 0.25        | 4.50      | 4.25            | 52.88                               | 7.73                  | 10.64                               | 41.55    | 5.21                                 |                     |
| BH1-0416   | 620559               | 8695123               | 7.9       | 4.50                       | 0.25        | 3.00      | 2.75            | 51.46                               | 10.76                 | 11.22                               | 36.94    | 7.28                                 |                     |
| BH1-0418   | 620714               | 8695121               | 8.7       | 2.75                       | 0.50        | 1.50      | 1.00            | 50.58                               | 10.08                 | 11.06                               | 37.10    | 7.88                                 |                     |
| BH1-0420   | 620881               | 8695116               | 8.2       | 2.25                       | 0.75        | 1.25      | 0.50            | 49.75                               | 12.30                 | 11.95                               | 33.65    | 8.75                                 |                     |
| BH1-0453   | 618556               | 8695206               | 7.7       | 5.00                       | 0.25        | 4.50      | 4.25            | 51.98                               | 11.95                 | 8.75                                | 40.26    | 5.85                                 |                     |
| BH1-0453A  | 618556               | 8695206               | 7.7       | 5.00                       | 0.25        | 4.50      | 4.25            | 52.14                               | 11.04                 | 9.08                                | 41.35    | 5.54                                 |                     |
| BH1-0477   | 620471               | 8695199               | 9.3       | 6.75                       | 0.50        | 4.00      | 3.50            | 51.85                               | 9.19                  | 10.80                               | 38.62    | 6.46                                 |                     |

| Drill Hole | Easting<br>MGA94 Z54 | Northing<br>MGA94 Z54 | RL<br>(m) | Total<br>Hole<br>Depth<br>(m) | From<br>(m) | To<br>(m) | Interval<br>(m) | %<br>Al <sub>2</sub> O <sub>3</sub> | %<br>SiO <sub>2</sub> | %<br>Fe <sub>2</sub> O <sub>3</sub> | %<br>THA | %<br>R <sub>x</sub> SiO <sub>2</sub> | Relative<br>Density |
|------------|----------------------|-----------------------|-----------|-------------------------------|-------------|-----------|-----------------|-------------------------------------|-----------------------|-------------------------------------|----------|--------------------------------------|---------------------|
| BH1-0507   | 617681               | 8695285               | 6.9       | 2.50                          | 0.75        | 1.75      | 1.00            | 51.92                               | 9.63                  | 9.54                                | 41.42    | 6.28                                 |                     |
| BH1-0509   | 617844               | 8695292               | 7.5       | 3.00                          | 0.50        | 2.25      | 1.75            | 52.59                               | 9.52                  | 9.98                                | 41.26    | 5.84                                 |                     |
| BH1-0511   | 618002               | 8695288               | 6.4       | 2.50                          | 0.50        | 2.00      | 1.50            | 51.76                               | 10.17                 | 9.15                                | 41.98    | 6.50                                 |                     |
| BH1-0513   | 618153               | 8695287               | 7.7       | 4.75                          | 0.50        | 3.00      | 2.50            | 53.15                               | 8.58                  | 8.17                                | 45.22    | 4.99                                 |                     |
| BH1-0515   | 618317               | 8695278               | 8.0       | 4.75                          | 0.50        | 4.00      | 3.50            | 51.10                               | 13.15                 | 7.50                                | 41.10    | 6.60                                 |                     |
| BH1-0517   | 618477               | 8695283               | 7.9       | 5.00                          | 0.50        | 4.00      | 3.50            | 52.26                               | 11.01                 | 8.28                                | 42.05    | 5.29                                 |                     |
| BH1-0519   | 618645               | 8695294               | 8.7       | 5.25                          | 1.00        | 5.00      | 4.00            | 52.00                               | 9.52                  | 9.13                                | 42.60    | 5.90                                 |                     |
| BH1-0521   | 618802               | 8695284               | 7.2       | 6.75                          | 0.50        | 4.50      | 4.00            | 52.41                               | 10.40                 | 9.33                                | 41.99    | 5.13                                 |                     |
| BH1-0523   | 618966               | 8695288               | 7.5       | 4.00                          | 0.50        | 3.75      | 3.25            | 52.77                               | 5.58                  | 11.53                               | 45.29    | 3.15                                 |                     |
| BH1-0525   | 619119               | 8695285               | 7.2       | 5.00                          | 0.25        | 4.00      | 3.75            | 53.27                               | 9.25                  | 10.92                               | 37.87    | 5.54                                 |                     |
| BH1-0527   | 619273               | 8695278               | 8.4       | 5.00                          | 0.25        | 4.50      | 4.25            | 51.42                               | 8.50                  | 11.55                               | 40.48    | 5.76                                 |                     |
| BH1-0529   | 619435               | 8695287               | 7.6       | 2.50                          | 0.50        | 1.75      | 1.25            | 53.46                               | 6.98                  | 10.03                               | 42.12    | 4.44                                 |                     |
| BH1-0531   | 619600               | 8695296               | 7.4       | 4.50                          | 0.50        | 4.25      | 3.75            | 51.77                               | 7.40                  | 12.40                               | 43.02    | 3.78                                 |                     |
| BH1-0533   | 619752               | 8695284               | 7.3       | 4.75                          | 0.50        | 3.00      | 2.50            | 51.90                               | 11.89                 | 11.68                               | 33.28    | 6.84                                 |                     |
| BH1-0535   | 619924               | 8695281               | 6.2       | 5.00                          | 0.50        | 4.50      | 4.00            | 53.15                               | 7.53                  | 10.30                               | 42.14    | 4.27                                 |                     |
| BH1-0537   | 620079               | 8695280               | 6.5       | 5.75                          | 0.25        | 4.00      | 3.75            | 53.11                               | 7.27                  | 11.43                               | 41.94    | 4.28                                 |                     |
| BH1-0539   | 620242               | 8695278               | 7.8       | 3.50                          | 0.50        | 3.00      | 2.50            | 51.94                               | 8.25                  | 11.27                               | 39.16    | 6.20                                 |                     |
| BH1-0541   | 620402               | 8695285               | 9.7       | 6.25                          | 0.25        | 4.50      | 4.25            | 52.11                               | 8.80                  | 10.88                               | 39.98    | 5.28                                 |                     |
| BH1-0545   | 620722               | 8695290               | 8.6       | 5.00                          | 0.25        | 3.00      | 2.75            | 53.36                               | 6.95                  | 9.36                                | 43.77    | 5.28                                 |                     |
| BH1-0547   | 620881               | 8695267               | 8.6       | 3.25                          | 0.25        | 2.50      | 2.25            | 52.29                               | 8.12                  | 10.84                               | 38.80    | 6.40                                 |                     |
| BH1-0555   | 621519               | 8695285               | 0.1       | 2.50                          | 0.75        | 1.50      | 0.75            | 49.70                               | 11.05                 | 11.90                               | 35.10    | 8.80                                 |                     |
| BH1-0559   | 621835               | 8695286               | 8.1       | 2.25                          | 0.50        | 1.25      | 0.75            | 48.90                               | 11.60                 | 14.35                               | 32.70    | 8.40                                 |                     |
| BH1-0563   | 622164               | 8695281               | 7.5       | 2.75                          | 0.25        | 1.50      | 1.25            | 51.28                               | 6.85                  | 13.49                               | 39.80    | 5.22                                 |                     |
| BH1-0565   | 622313               | 8695280               | 7.2       | 2.75                          | 0.25        | 1.75      | 1.50            | 49.03                               | 9.39                  | 15.21                               | 35.52    | 6.12                                 |                     |
| BH1-0567   | 622479               | 8695277               | 7.9       | 1.50                          | 0.50        | 1.25      | 0.75            | 48.80                               | 7.43                  | 16.50                               | 38.60    | 5.90                                 |                     |
| BH1-0595   | 619344               | 8695365               | 6.6       | 5.00                          | 0.50        | 4.00      | 3.50            | 51.86                               | 8.85                  | 11.08                               | 40.53    | 5.66                                 |                     |
| BH1-0595A  | 619344               | 8695365               | 6.6       | 5.00                          | 0.50        | 4.00      | 3.50            | 52.68                               | 8.59                  | 9.66                                | 41.79    | 5.24                                 |                     |
| BH1-0642   | 617764               | 8695441               | 6.9       | 2.00                          | 0.50        | 1.25      | 0.75            | 51.07                               | 13.10                 | 9.82                                | 34.00    | 7.33                                 |                     |
| BH1-0643   | 617841               | 8695442               | 7.0       | 3.75                          | 0.25        | 3.50      | 3.25            | 52.02                               | 10.47                 | 7.93                                | 42.45    | 6.24                                 |                     |
| BH1-0645   | 618000               | 8695440               | 8.9       | 4.50                          | 0.25        | 3.50      | 3.25            | 52.52                               | 10.19                 | 7.71                                | 42.80    | 5.95                                 |                     |
| BH1-0647   | 618163               | 8695454               | 7.5       | 5.25                          | 0.75        | 4.50      | 3.75            | 51.99                               | 8.98                  | 10.22                               | 42.18    | 5.43                                 |                     |
| BH1-0649   | 618317               | 8695441               | 8.1       | 3.00                          | 0.25        | 1.75      | 1.50            | 52.08                               | 9.90                  | 9.12                                | 42.17    | 6.30                                 |                     |
| BH1-0651   | 618482               | 8695442               | 8.6       | 6.25                          | 0.75        | 5.50      | 4.75            | 52.77                               | 8.42                  | 9.66                                | 42.41    | 5.04                                 |                     |
| BH1-0653   | 618642               | 8695440               | 8.6       | 7.00                          | 0.25        | 5.00      | 4.75            | 52.85                               | 9.39                  | 8.95                                | 41.80    | 4.62                                 |                     |
| BH1-0655   | 618803               | 8695447               | 8.3       | 5.50                          | 0.25        | 4.50      | 4.25            | 53.14                               | 8.83                  | 9.91                                | 39.51    | 5.60                                 |                     |
| BH1-0657   | 618955               | 8695449               | 7.4       | 5.00                          | 0.25        | 4.00      | 3.75            | 52.51                               | 7.34                  | 10.55                               | 43.08    | 4.95                                 |                     |
| BH1-0659   | 619119               | 8695443               | 7.5       | 6.00                          | 0.25        | 3.50      | 3.25            | 53.06                               | 8.45                  | 10.47                               | 40.95    | 4.95                                 |                     |
| BH1-0661   | 619281               | 8695439               | 6.8       | 5.00                          | 0.25        | 4.00      | 3.75            | 53.13                               | 6.87                  | 10.12                               | 43.64    | 4.71                                 |                     |
| BH1-0665   | 619599               | 8695450               | 7.5       | 3.50                          | 0.25        | 3.00      | 2.75            | 53.12                               | 6.99                  | 11.00                               | 43.40    | 4.27                                 |                     |
| BH1-0667   | 619759               | 8695438               | 6.3       | 3.50                          | 0.25        | 2.00      | 1.75            | 51.64                               | 7.62                  | 14.41                               | 36.61    | 4.87                                 |                     |
| BH1-0669   | 619922               | 8695442               | 7.7       | 4.50                          | 0.25        | 3.75      | 3.50            | 53.52                               | 6.77                  | 10.02                               | 44.54    | 3.67                                 |                     |
| BH1-0671   | 620079               | 8695446               | 7.5       | 4.75                          | 0.25        | 3.75      | 3.50            | 53.01                               | 8.51                  | 11.17                               | 37.98    | 5.58                                 |                     |



| Drill Hole | Easting<br>MGA94 Z54 | Northing<br>MGA94 Z54 | RL<br>(m) | Total Hole<br>Depth<br>(m) | From<br>(m) | To<br>(m) | Interval<br>(m) | %<br>Al <sub>2</sub> O <sub>3</sub> | %<br>SiO <sub>2</sub> | %<br>Fe <sub>2</sub> O <sub>3</sub> | %<br>THA | %<br>R <sub>x</sub> SiO <sub>2</sub> | Relative<br>Density |
|------------|----------------------|-----------------------|-----------|----------------------------|-------------|-----------|-----------------|-------------------------------------|-----------------------|-------------------------------------|----------|--------------------------------------|---------------------|
| BH1-0675   | 620396               | 8695443               | 7.0       | 4.75                       | 0.25        | 3.50      | 3.25            | 51.75                               | 9.27                  | 10.81                               | 40.20    | 6.21                                 |                     |
| BH1-0677   | 620556               | 8695450               | 8.1       | 4.00                       | 0.50        | 3.00      | 2.50            | 52.38                               | 8.06                  | 11.06                               | 40.58    | 4.94                                 |                     |
| BH1-0679   | 620716               | 8695450               | 8.3       | 4.25                       | 0.25        | 2.50      | 2.25            | 51.37                               | 9.65                  | 13.61                               | 32.90    | 7.01                                 |                     |
| BH1-0681   | 620882               | 8695428               | 8.8       | 4.75                       | 0.50        | 3.00      | 2.50            | 52.91                               | 7.18                  | 9.38                                | 42.63    | 5.46                                 |                     |
| BH1-0683   | 621036               | 8695438               | 8.8       | 2.00                       | 0.50        | 0.75      | 0.25            | 49.00                               | 12.20                 | 14.55                               | 32.60    | 8.80                                 |                     |
| BH1-0685   | 621199               | 8695451               | 9.2       | 3.00                       | 0.25        | 1.75      | 1.50            | 51.43                               | 9.13                  | 10.37                               | 40.45    | 6.75                                 |                     |
| BH1-0689   | 621516               | 8695445               | 9.9       | 3.00                       | 0.25        | 2.00      | 1.75            | 52.13                               | 10.11                 | 10.68                               | 37.19    | 6.64                                 |                     |
| BH1-0691   | 621679               | 8695443               | 8.6       | 4.00                       | 0.25        | 2.50      | 2.25            | 53.37                               | 7.13                  | 10.30                               | 43.30    | 5.07                                 |                     |
| BH1-0693   | 621842               | 8695444               | 0.1       | 3.75                       | 0.25        | 2.00      | 1.75            | 52.59                               | 8.83                  | 12.57                               | 36.04    | 5.40                                 |                     |
| BH1-0695   | 621994               | 8695446               | 9.5       | 3.75                       | 0.25        | 2.50      | 2.25            | 50.17                               | 9.47                  | 13.77                               | 36.07    | 6.71                                 |                     |
| BH1-0697   | 622168               | 8695439               | 9.5       | 2.75                       | 0.25        | 1.50      | 1.25            | 51.40                               | 7.82                  | 13.90                               | 37.68    | 4.98                                 |                     |
| BH1-0699   | 622321               | 8695445               | 9.9       | 2.50                       | 0.25        | 1.50      | 1.25            | 48.02                               | 9.39                  | 16.66                               | 34.98    | 6.50                                 |                     |
| BH1-0701   | 622481               | 8695455               | 8.5       | 2.25                       | 0.25        | 1.50      | 1.25            | 47.86                               | 8.48                  | 16.68                               | 38.18    | 5.90                                 |                     |
| BH1-0703   | 622638               | 8695437               | 7.4       | 3.25                       | 0.50        | 2.00      | 1.50            | 49.30                               | 8.52                  | 13.50                               | 40.50    | 6.83                                 |                     |
| BH1-0735   | 619995               | 8695524               | 8.2       | 4.50                       | 0.25        | 3.50      | 3.25            | 53.96                               | 6.88                  | 11.23                               | 39.30    | 4.82                                 |                     |
| BH1-0735A  | 619995               | 8695524               | 8.2       | 4.50                       | 0.25        | 3.50      | 3.25            | 54.32                               | 6.88                  | 10.55                               | 41.74    | 4.77                                 |                     |
| BH1-0772   | 617850               | 8695604               | 5.8       | 2.25                       | 0.25        | 1.00      | 0.75            | 51.47                               | 9.79                  | 10.31                               | 41.03    | 6.27                                 |                     |
| BH1-0774   | 617995               | 8695609               | 8.9       | 2.75                       | 0.50        | 2.25      | 1.75            | 52.84                               | 8.25                  | 9.53                                | 43.21    | 5.41                                 |                     |
| BH1-0776   | 618167               | 8695602               | 7.6       | 3.75                       | 0.25        | 3.00      | 2.75            | 52.92                               | 8.12                  | 9.10                                | 42.85    | 5.78                                 |                     |
| BH1-0778   | 618323               | 8695600               | 7.5       | 2.00                       | 0.50        | 1.75      | 1.25            | 53.94                               | 7.84                  | 8.42                                | 41.70    | 5.14                                 |                     |
| BH1-0780   | 618482               | 8695603               | 7.1       | 4.75                       | 0.25        | 3.00      | 2.75            | 52.13                               | 9.52                  | 10.08                               | 40.06    | 5.85                                 |                     |
| BH1-0782   | 618643               | 8695609               | 6.9       | 5.00                       | 0.25        | 4.50      | 4.25            | 51.30                               | 9.42                  | 10.45                               | 42.20    | 5.40                                 | 1.44                |
| BH1-0784   | 618797               | 8695601               | 7.8       | 3.75                       | 0.25        | 2.50      | 2.25            | 52.12                               | 11.24                 | 7.73                                | 37.67    | 8.74                                 |                     |
| BH1-0786   | 618961               | 8695594               | 6.5       | 3.25                       | 0.50        | 3.00      | 2.50            | 53.22                               | 7.47                  | 10.05                               | 42.78    | 4.30                                 |                     |
| BH1-0788   | 619119               | 8695610               | 7.6       | 3.00                       | 0.50        | 2.00      | 1.50            | 53.05                               | 9.26                  | 11.30                               | 37.18    | 5.32                                 |                     |
| BH1-0790   | 619292               | 8695612               | 6.6       | 3.25                       | 0.25        | 3.00      | 2.75            | 52.50                               | 8.67                  | 9.33                                | 41.60    | 5.90                                 | 1.88                |
| BH1-0792   | 619440               | 8695604               | 5.8       | 4.50                       | 0.25        | 3.75      | 3.50            | 53.02                               | 8.07                  | 10.90                               | 39.15    | 4.61                                 |                     |
| BH1-0794   | 619602               | 8695603               | 8.4       | 5.50                       | 0.25        | 5.00      | 4.75            | 51.93                               | 8.76                  | 11.42                               | 37.39    | 5.90                                 |                     |
| BH1-0796   | 619767               | 8695605               | 6.5       | 3.75                       | 0.25        | 2.50      | 2.25            | 52.63                               | 7.60                  | 10.91                               | 38.39    | 5.48                                 |                     |
| BH1-0798   | 619928               | 8695602               | 7.7       | 1.50                       | 0.25        | 1.25      | 1.00            | 55.18                               | 6.06                  | 8.93                                | 44.00    | 3.83                                 |                     |
| BH1-0800   | 620084               | 8695610               | 7.2       | 5.00                       | 0.25        | 3.50      | 3.25            | 53.35                               | 6.83                  | 11.37                               | 38.52    | 4.88                                 |                     |
| BH1-0802   | 620244               | 8695610               | 6.8       | 3.50                       | 0.75        | 3.00      | 2.25            | 53.74                               | 7.28                  | 10.82                               | 38.21    | 5.37                                 |                     |
| BH1-0802SG | 620244               | 8695610               | 6.8       | 3.50                       | 1.00        | 3.00      | 2.00            |                                     |                       |                                     |          |                                      | 1.80                |
| BH1-0804   | 620401               | 8695604               | 7.4       | 4.75                       | 0.25        | 3.50      | 3.25            | 53.35                               | 8.73                  | 9.76                                | 40.95    | 5.23                                 |                     |
| BH1-0806   | 620556               | 8695604               | 4.2       | 4.75                       | 0.50        | 4.00      | 3.50            | 52.80                               | 7.43                  | 11.20                               | 39.00    | 5.00                                 |                     |
| BH1-0808   | 620720               | 8695601               | 0.8       | 3.75                       | 0.25        | 2.50      | 2.25            | 50.93                               | 10.20                 | 12.06                               | 36.42    | 5.87                                 |                     |
| BH1-0810   | 620883               | 8695618               | 1.0       | 2.50                       | 0.50        | 2.25      | 1.75            | 51.16                               | 9.90                  | 10.41                               | 36.99    | 7.00                                 | 1.61                |
| BH1-0812   | 621049               | 8695608               | 9.8       | 3.00                       | 0.75        | 2.00      | 1.25            | 52.54                               | 8.67                  | 12.36                               | 33.98    | 6.88                                 |                     |
| BH1-0814   | 621203               | 8695603               | 7.4       | 2.75                       | 0.75        | 2.00      | 1.25            | 52.94                               | 7.22                  | 11.00                               | 38.66    | 5.76                                 |                     |
| BH1-0816   | 621366               | 8695607               | 0.3       | 4.50                       | 0.50        | 2.50      | 2.00            | 53.17                               | 6.64                  | 10.74                               | 41.08    | 5.20                                 |                     |
| BH1-0818   | 621515               | 8695611               | 9.9       | 4.25                       | 0.50        | 3.50      | 3.00            | 53.20                               | 9.12                  | 7.31                                | 41.10    | 7.10                                 |                     |
| BH1-0820   | 621683               | 8695602               | 9.4       | 3.00                       | 0.25        | 2.00      | 1.75            | 53.00                               | 10.01                 | 10.32                               | 35.77    | 7.26                                 |                     |

| Drill Hole | Easting<br>MGA94 Z54 | Northing<br>MGA94 Z54 | RL<br>(m) | Total<br>Hole<br>Depth<br>(m) | From<br>(m) | To<br>(m) | Interval<br>(m) | %<br>Al2O3 | %<br>SiO2 | %<br>Fe2O3 | %<br>THA | %<br>R <sub>x</sub> SiO <sub>2</sub> | Relative<br>Density |
|------------|----------------------|-----------------------|-----------|-------------------------------|-------------|-----------|-----------------|------------|-----------|------------|----------|--------------------------------------|---------------------|
| BH1-0822   | 621834               | 8695610               | 9.1       | 3.25                          | 0.75        | 3.00      | 2.25            | 52.80      | 6.22      | 10.92      | 42.58    | 5.09                                 | 1.55                |
| BH1-0824   | 622002               | 8695610               | 8.1       | 4.00                          | 0.25        | 2.75      | 2.50            | 52.31      | 7.72      | 11.29      | 39.60    | 5.80                                 |                     |
| BH1-0826   | 622154               | 8695608               | 8.6       | 2.00                          | 0.50        | 1.50      | 1.00            | 48.90      | 9.46      | 15.60      | 34.00    | 7.60                                 |                     |
| BH1-0828   | 622321               | 8695603               | 9.8       | 4.00                          | 0.25        | 3.00      | 2.75            | 50.84      | 8.43      | 15.07      | 32.90    | 5.99                                 |                     |
| BH1-0830   | 622478               | 8695602               | 8.2       | 2.25                          | 0.50        | 2.00      | 1.50            | 52.30      | 6.30      | 11.19      | 43.87    | 4.97                                 |                     |
| BH1-0832   | 622642               | 8695605               | 7.3       | 3.00                          | 0.25        | 1.50      | 1.25            | 51.42      | 6.63      | 12.86      | 42.22    | 4.30                                 |                     |
| BH1-0902   | 617993               | 8695772               | 6.5       | 1.75                          | 0.50        | 1.25      | 0.75            | 50.63      | 9.06      | 11.07      | 41.17    | 6.00                                 |                     |
| BH1-0904   | 618160               | 8695765               | 9.3       | 2.25                          | 0.75        | 1.75      | 1.00            | 50.35      | 11.61     | 11.14      | 38.68    | 6.22                                 | 1.65                |
| BH1-0906   | 618319               | 8695765               | 8.4       | 3.00                          | 0.25        | 2.75      | 2.50            | 51.65      | 9.71      | 10.87      | 41.64    | 4.35                                 |                     |
| BH1-0908   | 618487               | 8695759               | 7.0       | 4.00                          | 0.25        | 3.50      | 3.25            | 51.00      | 9.80      | 9.94       | 39.90    | 6.60                                 |                     |
| BH1-0909   | 619271               | 8695767               | 6.4       | 2.75                          | 0.50        | 2.50      | 2.00            | 52.04      | 8.77      | 9.94       | 41.17    | 5.77                                 |                     |
| BH1-0911   | 619433               | 8695757               | 7.3       | 3.00                          | 0.25        | 2.25      | 2.00            | 52.84      | 8.52      | 10.96      | 39.58    | 5.00                                 |                     |
| BH1-0913   | 619597               | 8695766               | 6.4       | 4.75                          | 0.25        | 3.75      | 3.50            | 52.91      | 9.49      | 10.38      | 37.54    | 6.59                                 |                     |
| BH1-0915   | 619760               | 8695766               | 6.2       | 4.25                          | 0.25        | 3.50      | 3.25            | 52.09      | 8.32      | 10.52      | 41.91    | 5.76                                 |                     |
| BH1-0917   | 619921               | 8695761               | 8.3       | 2.25                          | 0.25        | 1.50      | 1.25            | 52.76      | 7.80      | 11.67      | 39.26    | 4.76                                 |                     |
| BH1-0919   | 620080               | 8695779               | 7.4       | 2.75                          | 0.50        | 1.50      | 1.00            | 53.10      | 13.82     | 7.94       | 32.70    | 9.40                                 |                     |
| BH1-0921   | 620240               | 8695759               | 6.2       | 2.50                          | 0.25        | 1.50      | 1.25            | 54.56      | 5.04      | 10.53      | 42.44    | 4.10                                 |                     |
| BH1-0923   | 620409               | 8695765               | 5.9       | 4.75                          | 0.25        | 3.00      | 2.75            | 53.08      | 8.24      | 9.29       | 42.40    | 5.65                                 |                     |
| BH1-0925   | 620563               | 8695774               | 2.9       | 3.75                          | 0.25        | 2.75      | 2.50            | 53.46      | 6.97      | 9.26       | 44.25    | 4.88                                 |                     |
| BH1-0927   | 620727               | 8695777               | 8.7       | 2.75                          | 0.75        | 1.75      | 1.00            | 48.85      | 11.48     | 15.31      | 29.38    | 7.85                                 |                     |
| BH1-0929   | 620874               | 8695771               | 8.2       | 3.00                          | 0.75        | 1.50      | 0.75            | 49.57      | 11.36     | 12.93      | 34.13    | 7.67                                 |                     |
| BH1-0931   | 621036               | 8695763               | 8.4       | 3.00                          | 1.00        | 2.50      | 1.50            | 51.58      | 10.85     | 14.28      | 24.75    | 7.72                                 |                     |
| BH1-0933   | 621202               | 8695759               | 0.0       | 2.75                          | 0.50        | 1.75      | 1.25            | 51.90      | 10.28     | 15.49      | 23.86    | 7.28                                 |                     |
| BH1-0935   | 621363               | 8695763               | 8.8       | 2.50                          | 0.50        | 1.50      | 1.00            | 51.45      | 9.88      | 11.30      | 35.92    | 7.00                                 |                     |
| BH1-0937   | 621515               | 8695770               | 9.1       | 2.00                          | 0.50        | 1.25      | 0.75            | 51.10      | 12.27     | 11.63      | 31.23    | 8.50                                 |                     |
| BH1-0939   | 621676               | 8695767               | 9.8       | 2.50                          | 0.50        | 2.00      | 1.50            | 52.26      | 7.92      | 14.70      | 33.04    | 6.44                                 |                     |
| BH1-0941   | 621842               | 8695776               | 8.8       | 3.00                          | 0.25        | 2.00      | 1.75            | 53.49      | 8.48      | 11.68      | 36.39    | 5.84                                 |                     |
| BH1-0943   | 621992               | 8695761               | 9.1       | 5.00                          | 0.25        | 3.50      | 3.25            | 51.92      | 8.67      | 12.02      | 37.73    | 6.48                                 |                     |
| BH1-0945   | 622164               | 8695771               | 8.1       | 3.00                          | 0.25        | 1.75      | 1.50            | 51.98      | 8.13      | 11.98      | 39.63    | 5.25                                 |                     |
| BH1-0947   | 622321               | 8695766               | 9.3       | 2.75                          | 0.25        | 1.75      | 1.50            | 51.05      | 8.34      | 15.29      | 34.33    | 5.58                                 |                     |
| BH1-0949   | 622485               | 8695755               | 7.6       | 4.25                          | 0.25        | 3.25      | 3.00            | 51.04      | 7.71      | 13.15      | 40.33    | 5.43                                 |                     |
| BH1-0951   | 622636               | 8695761               | 7.9       | 3.00                          | 0.25        | 2.00      | 1.75            | 50.07      | 8.16      | 13.90      | 40.47    | 5.57                                 |                     |
| BH1-0953   | 622799               | 8695770               | 8.9       | 2.50                          | 0.50        | 1.00      | 0.50            | 44.95      | 12.67     | 18.65      | 30.35    | 9.20                                 |                     |
| BH1-0997   | 621998               | 8695849               | 9.3       | 3.75                          | 0.50        | 2.50      | 2.00            | 53.47      | 5.59      | 11.23      | 43.33    | 4.40                                 |                     |
| BH1-0997A  | 621998               | 8695849               | 9.3       | 4.00                          | 0.50        | 2.50      | 2.00            | 53.15      | 5.88      | 11.45      | 42.65    | 4.65                                 |                     |
| BH1-1018   | 618160               | 8695920               | 6.3       | 2.75                          | 0.50        | 1.50      | 1.00            | 49.80      | 12.95     | 9.71       | 38.20    | 7.60                                 |                     |
| BH1-1022   | 619606               | 8695929               | 6.3       | 2.50                          | 0.25        | 1.75      | 1.50            | 52.98      | 7.12      | 10.23      | 42.82    | 4.42                                 |                     |
| BH1-1024   | 619763               | 8695929               | 6.6       | 2.25                          | 0.25        | 1.50      | 1.25            | 50.66      | 11.34     | 12.16      | 33.98    | 7.10                                 |                     |
| BH1-1026   | 619917               | 8695922               | 6.8       | 3.75                          | 0.50        | 3.50      | 3.00            | 51.24      | 10.10     | 11.37      | 36.88    | 6.84                                 |                     |
| BH1-1028   | 620079               | 8695925               | 6.2       | 2.25                          | 0.50        | 1.00      | 0.50            | 53.80      | 10.95     | 9.51       | 34.50    | 8.50                                 |                     |
| BH1-1032   | 620401               | 8695934               | 6.6       | 4.25                          | 0.25        | 3.00      | 2.75            | 52.49      | 9.63      | 9.35       | 41.52    | 6.57                                 |                     |
| BH1-1034   | 620562               | 8695923               | 0.0       | 3.00                          | 0.50        | 2.50      | 2.00            | 51.00      | 10.59     | 9.78       | 38.46    | 7.84                                 |                     |

| Drill Hole | Easting<br>MGA94 Z54 | Northing<br>MGA94 Z54 | RL<br>(m) | Total<br>Hole<br>Depth<br>(m) | From<br>(m) | To<br>(m) | Interval<br>(m) | %<br>Al2O3 | %<br>SiO2 | %<br>Fe2O3 | %<br>THA | %<br>RxSiO2 | Relative<br>Density |
|------------|----------------------|-----------------------|-----------|-------------------------------|-------------|-----------|-----------------|------------|-----------|------------|----------|-------------|---------------------|
| BH1-1040   | 621043               | 8695925               | 8.0       | 3.00                          | 1.00        | 1.50      | 0.50            | 48.10      | 10.55     | 19.27      | 25.65    | 8.50        |                     |
| BH1-1044   | 621358               | 8695927               | 8.9       | 2.25                          | 0.75        | 1.00      | 0.25            | 48.50      | 12.30     | 12.75      | 32.50    | 9.90        |                     |
| BH1-1048   | 621673               | 8695931               | 7.0       | 3.00                          | 0.25        | 1.50      | 1.25            | 52.54      | 12.31     | 13.34      | 28.16    | 8.00        |                     |
| BH1-1050   | 621830               | 8695918               | 8.3       | 3.00                          | 0.50        | 1.25      | 0.75            | 50.20      | 9.87      | 14.90      | 31.70    | 7.50        |                     |
| BH1-1052   | 622000               | 8695923               | 0.0       | 4.00                          | 0.25        | 2.00      | 1.75            | 53.64      | 5.97      | 10.77      | 42.99    | 4.01        |                     |
| BH1-1054   | 622164               | 8695927               | 7.7       | 3.00                          | 0.50        | 2.25      | 1.75            | 51.10      | 8.75      | 11.25      | 39.70    | 7.20        |                     |
| BH1-1058   | 622491               | 8695925               | 8.5       | 3.75                          | 0.75        | 2.75      | 2.00            | 51.99      | 6.05      | 12.76      | 41.60    | 4.71        | 1.65                |
| BH1-1060   | 622633               | 8695919               | 8.9       | 3.75                          | 0.25        | 2.25      | 2.00            | 51.22      | 7.59      | 12.39      | 41.46    | 5.21        |                     |
| BH1-1062   | 622800               | 8695921               | 8.4       | 3.00                          | 0.50        | 1.75      | 1.25            | 49.78      | 7.09      | 14.83      | 40.40    | 5.04        |                     |
| BH1-1063   | 622874               | 8695922               | 8.7       | 1.50                          | 0.50        | 1.00      | 0.50            | 44.75      | 12.03     | 18.63      | 32.05    | 8.50        |                     |
| BH1-1086   | 620560               | 8696000               | 7.8       | 2.00                          | 0.25        | 1.50      | 1.25            | 51.50      | 10.26     | 10.12      | 38.56    | 7.12        |                     |
| BH1-1088   | 620719               | 8696003               | 6.9       | 3.25                          | 0.50        | 2.00      | 1.50            | 48.63      | 10.15     | 15.28      | 34.43    | 7.50        |                     |
| BH1-1129   | 619924               | 8696099               | 6.8       | 3.00                          | 0.50        | 2.25      | 1.75            | 51.53      | 8.25      | 11.55      | 40.27    | 5.73        |                     |
| BH1-1133   | 620238               | 8696086               | 6.3       | 3.00                          | 1.00        | 2.25      | 1.25            | 49.08      | 9.57      | 16.64      | 31.38    | 7.02        |                     |
| BH1-1157   | 622152               | 8696077               | 7.9       | 2.25                          | 0.50        | 1.25      | 0.75            | 50.33      | 9.92      | 13.07      | 36.17    | 6.67        |                     |
| BH1-1159   | 622323               | 8696078               | 6.9       | 4.00                          | 0.50        | 3.00      | 2.50            | 52.77      | 5.16      | 13.02      | 41.52    | 4.00        |                     |
| BH1-1161   | 622482               | 8696077               | 8.1       | 4.25                          | 0.25        | 3.25      | 3.00            | 49.84      | 8.44      | 14.41      | 37.32    | 6.16        |                     |
| BH1-1163   | 622645               | 8696083               | 8.1       | 3.75                          | 0.25        | 1.75      | 1.50            | 51.38      | 6.16      | 13.68      | 42.97    | 4.37        |                     |
| BH1-1165   | 622798               | 8696079               | 7.8       | 4.50                          | 0.25        | 3.00      | 2.75            | 48.37      | 9.72      | 14.62      | 39.45    | 6.89        |                     |
| BH1-1167   | 622962               | 8696078               | 8.6       | 3.75                          | 0.75        | 2.00      | 1.25            | 52.16      | 5.32      | 11.54      | 45.76    | 4.06        |                     |
| BH1-1169   | 623114               | 8696079               | 8.6       | 2.50                          | 0.50        | 1.25      | 0.75            | 44.43      | 11.43     | 18.78      | 34.53    | 7.83        |                     |
| BH1-1224   | 619762               | 8696249               | 6.7       | 3.50                          | 0.50        | 2.50      | 2.00            | 51.01      | 10.33     | 9.52       | 39.86    | 7.57        |                     |
| BH1-1249   | 622328               | 8696244               | 6.5       | 5.00                          | 0.50        | 3.50      | 3.00            | 51.83      | 6.17      | 13.11      | 41.15    | 4.96        |                     |
| BH1-1251   | 622481               | 8696237               | 7.9       | 4.00                          | 0.50        | 3.00      | 2.50            | 51.44      | 6.80      | 12.17      | 42.58    | 5.41        |                     |
| BH1-1253   | 622639               | 8696244               | 8.8       | 4.00                          | 0.25        | 2.75      | 2.50            | 51.01      | 7.10      | 12.80      | 42.44    | 4.81        |                     |
| BH1-1255   | 622799               | 8696249               | 8.2       | 4.00                          | 0.25        | 2.50      | 2.25            | 50.77      | 6.42      | 13.20      | 43.47    | 4.80        |                     |
| BH1-1257   | 622965               | 8696240               | 8.0       | 3.00                          | 0.25        | 1.75      | 1.50            | 48.98      | 9.45      | 13.17      | 40.33    | 6.40        |                     |
| BH1-1259   | 623106               | 8696241               | 8.4       | 3.00                          | 0.25        | 1.50      | 1.25            | 48.48      | 7.82      | 15.41      | 40.94    | 5.80        | 1.74                |
| BH1-1261   | 623281               | 8696233               | 8.9       | 2.50                          | 0.25        | 1.00      | 0.75            | 46.07      | 10.54     | 16.40      | 37.57    | 6.50        |                     |
| BH1-1263   | 623430               | 8696240               | 9.1       | 2.00                          | 0.25        | 1.25      | 1.00            | 46.50      | 9.69      | 16.10      | 37.80    | 6.90        |                     |
| BH1-1265   | 623597               | 8696244               | 7.8       | 4.00                          | 0.50        | 1.50      | 1.00            | 47.20      | 10.70     | 14.85      | 37.40    | 8.30        |                     |
| BH1-1319   | 622323               | 8696397               | 7.5       | 4.00                          | 0.25        | 2.75      | 2.50            | 51.74      | 6.89      | 11.71      | 42.98    | 5.12        |                     |
| BH1-1321   | 622481               | 8696396               | 8.1       | 3.75                          | 0.25        | 2.75      | 2.50            | 52.01      | 6.36      | 11.02      | 45.39    | 4.21        |                     |
| BH1-1323   | 622635               | 8696415               | 9.3       | 3.75                          | 0.25        | 2.00      | 1.75            | 50.67      | 7.36      | 13.06      | 42.76    | 4.83        |                     |
| BH1-1325   | 622800               | 8696408               | 7.9       | 3.00                          | 0.25        | 2.00      | 1.75            | 50.13      | 7.90      | 12.24      | 42.87    | 5.56        |                     |
| BH1-1327   | 622962               | 8696400               | 7.7       | 3.00                          | 0.25        | 2.00      | 1.75            | 47.99      | 10.10     | 14.06      | 39.29    | 6.77        |                     |
| BH1-1329   | 623119               | 8696407               | 0.8       | 2.00                          | 0.25        | 1.00      | 0.75            | 46.63      | 11.37     | 14.65      | 37.07    | 7.10        |                     |
| BH1-1331   | 623275               | 8696408               | 8.2       | 4.00                          | 0.25        | 2.50      | 2.25            | 48.93      | 9.97      | 12.58      | 40.79    | 6.91        |                     |
| BH1-1373   | 622318               | 8696555               | 9.8       | 3.50                          | 0.25        | 2.00      | 1.75            | 50.27      | 8.76      | 11.39      | 42.16    | 6.16        |                     |
| BH1-1375   | 622474               | 8696564               | 8.4       | 4.00                          | 1.00        | 3.00      | 2.00            | 48.65      | 10.59     | 12.43      | 38.50    | 8.13        |                     |
| BH1-1377   | 622633               | 8696562               | 9.9       | 3.75                          | 0.75        | 2.00      | 1.25            | 48.50      | 9.23      | 14.15      | 39.73    | 6.67        |                     |
| BH1-1378   | 622792               | 8696565               | 8.7       | 2.50                          | 0.50        | 1.25      | 0.75            | 47.23      | 9.85      | 15.33      | 38.70    | 6.77        |                     |
| BH1-1402   | 622642               | 8696652               | 8.4       | 2.25                          | 0.50        | 1.50      | 1.00            | 46.65      | 10.73     | 15.50      | 38.00    | 6.85        |                     |

| Drill Hole | Easting<br>MGA94 Z54 | Northing<br>MGA94 Z54 | RL<br>(m) | Total<br>Hole<br>Depth<br>(m) | From<br>(m) | To<br>(m) | Interval<br>(m) | %<br>Al2O3 | %<br>SiO2 | %<br>Fe2O3 | %<br>THA | %<br>RxSiO2 | Relative<br>Density |
|------------|----------------------|-----------------------|-----------|-------------------------------|-------------|-----------|-----------------|------------|-----------|------------|----------|-------------|---------------------|
| BH1-1404   | 622800               | 8696641               | 8.2       | 2.25                          | 0.75        | 1.25      | 0.50            | 47.25      | 8.87      | 16.43      | 39.00    | 6.70        |                     |
| BH1-1418   | 621997               | 8696720               | 7.2       | 3.00                          | 0.75        | 1.25      | 0.50            | 48.85      | 10.82     | 11.70      | 39.00    | 8.45        |                     |
| BH1-1422   | 622324               | 8696715               | 9.0       | 2.75                          | 0.25        | 1.50      | 1.25            | 49.34      | 7.74      | 13.94      | 42.06    | 5.38        |                     |
| BH1-1424   | 622476               | 8696715               | 8.4       | 2.50                          | 0.50        | 1.50      | 1.00            | 48.10      | 9.08      | 14.60      | 38.90    | 6.90        |                     |
| BH1-1444   | 622322               | 8696807               | 8.8       | 2.25                          | 0.50        | 1.00      | 0.50            | 47.40      | 11.20     | 14.05      | 38.30    | 7.50        |                     |
| BH1-1446   | 622484               | 8696801               | 8.6       | 2.25                          | 0.25        | 1.00      | 0.75            | 45.03      | 13.40     | 15.15      | 34.63    | 8.60        |                     |
| BH1-1482   | 618633               | 8695763               | 6.6       | 5.00                          | 0.75        | 4.75      | 4.00            | 51.17      | 10.06     | 12.34      | 34.78    | 6.44        |                     |
| BH1-1484   | 618797               | 8695758               | 6.8       | 2.75                          | 0.25        | 2.00      | 1.75            | 53.70      | 7.40      | 9.12       | 43.73    | 3.96        |                     |
| BH1-1486   | 618958               | 8695767               | 5.9       | 4.00                          | 0.25        | 3.25      | 3.00            | 53.23      | 7.88      | 9.74       | 41.43    | 5.05        |                     |
| BH1-1488   | 619123               | 8695762               | 6.6       | 3.00                          | 0.25        | 2.00      | 1.75            | 52.83      | 9.85      | 9.74       | 39.79    | 5.96        |                     |
| BH1-1503   | 618476               | 8695923               | 7.6       | 2.00                          | 0.50        | 1.25      | 0.75            | 50.87      | 12.82     | 9.40       | 33.00    | 8.30        |                     |
| BH1-1504   | 618559               | 8695925               | 8.4       | 4.75                          | 1.50        | 3.50      | 2.00            | 50.97      | 10.48     | 10.41      | 38.65    | 6.97        |                     |
| BH1-1504A  | 618559               | 8695925               | 8.4       | 4.75                          | 1.00        | 3.50      | 2.50            | 50.66      | 11.30     | 11.04      | 36.02    | 7.04        |                     |
| BH1-1511   | 619116               | 8695922               | 5.6       | 5.00                          | 0.25        | 4.00      | 3.75            | 51.43      | 9.01      | 11.12      | 39.79    | 6.31        |                     |
| BH1-1513   | 619279               | 8695922               | 6.4       | 2.25                          | 0.25        | 1.50      | 1.25            | 52.94      | 7.41      | 10.72      | 42.16    | 4.26        |                     |
| BH1-1515   | 619442               | 8695935               | 5.6       | 3.00                          | 0.50        | 2.75      | 2.25            | 51.93      | 12.15     | 12.91      | 27.74    | 7.02        |                     |
| BH1-1548   | 619442               | 8696082               | 7.2       | 3.00                          | 1.00        | 2.50      | 1.50            | 50.42      | 10.45     | 13.10      | 31.75    | 7.08        |                     |
| BH1-1550   | 619594               | 8696078               | 6.7       | 2.25                          | 0.50        | 1.50      | 1.00            | 50.55      | 11.63     | 12.18      | 31.00    | 8.10        |                     |
| BH1-1599   | 618161               | 8694249               | 6.1       | 3.00                          | 0.25        | 2.00      | 1.75            | 49.44      | 10.16     | 11.69      | 40.09    | 6.64        |                     |
| BH1-1601   | 618312               | 8694245               | 7.9       | 2.25                          | 0.25        | 1.50      | 1.25            | 49.46      | 13.11     | 9.19       | 35.68    | 9.50        |                     |
| BH6-0002   | 611036               | 8688647               | 6.7       | 2.00                          | 0.25        | 1.25      | 1.00            | 52.17      | 10.59     | 9.95       | 39.98    | 4.80        |                     |
| BH6-0003   | 611202               | 8688650               | 8.6       | 2.75                          | 0.50        | 2.50      | 2.00            | 50.50      | 12.85     | 9.79       | 39.20    | 5.30        |                     |
| BH6-0004   | 611351               | 8688653               | 8.5       | 3.50                          | 0.25        | 1.50      | 1.25            | 47.18      | 18.48     | 9.95       | 32.96    | 6.98        |                     |
| BH6-0005   | 611518               | 8688652               | 9.7       | 2.00                          | 1.00        | 1.75      | 0.75            | 47.92      | 21.22     | 9.48       | 33.30    | 7.20        |                     |
| BH6-0007   | 612475               | 8688653               | 8.8       | 3.25                          | 1.00        | 3.00      | 2.00            | 51.30      | 14.40     | 6.94       | 38.50    | 7.30        |                     |
| BH6-0008   | 610873               | 8688801               | 8.1       | 2.50                          | 0.50        | 1.50      | 1.00            | 48.90      | 15.20     | 10.32      | 35.45    | 6.90        |                     |
| BH6-0009   | 611041               | 8688805               | 8.2       | 3.75                          | 0.25        | 2.50      | 2.25            | 50.91      | 12.32     | 9.59       | 38.64    | 5.76        |                     |
| BH6-0011   | 611356               | 8688799               | 9.7       | 3.00                          | 0.50        | 1.75      | 1.25            | 45.80      | 19.08     | 11.50      | 31.70    | 8.42        |                     |
| BH6-0012   | 611519               | 8688801               | 9.1       | 3.50                          | 1.00        | 2.75      | 1.75            | 43.24      | 23.37     | 9.87       | 32.09    | 9.59        |                     |
| BH6-0014   | 612313               | 8688807               | 7.9       | 3.50                          | 1.50        | 2.75      | 1.25            | 52.24      | 12.39     | 7.34       | 41.48    | 6.86        |                     |
| BH6-0015   | 612482               | 8688796               | 9.3       | 3.50                          | 0.50        | 2.00      | 1.50            | 50.73      | 15.28     | 7.35       | 38.83    | 7.08        |                     |
| BH6-0016   | 610870               | 8688956               | 8.0       | 3.50                          | 0.50        | 2.75      | 2.25            | 46.60      | 19.25     | 8.72       | 34.80    | 6.70        |                     |
| BH6-0017   | 611039               | 8688960               | 8.9       | 1.75                          | 0.50        | 1.00      | 0.50            | 51.80      | 9.58      | 9.54       | 43.50    | 6.30        |                     |
| BH6-0019   | 611363               | 8688966               | 9.3       | 5.00                          | 1.00        | 3.00      | 2.00            | 48.20      | 19.20     | 8.71       | 35.15    | 7.40        |                     |
| BH6-0020   | 611520               | 8688958               | 9.2       | 2.75                          | 1.25        | 2.00      | 0.75            | 41.02      | 21.40     | 14.77      | 29.41    | 9.07        |                     |
| BH6-0023   | 612482               | 8688959               | 0.4       | 1.75                          | 0.50        | 0.75      | 0.25            | 36.52      |           |            | 20.00    | 23.70       |                     |
| BH6-0024   | 610879               | 8689117               | 8.8       | 1.25                          | 0.50        | 0.75      | 0.25            | 44.80      | 17.10     | 14.75      | 30.80    | 9.00        |                     |
| BH6-0025   | 611037               | 8689122               | 9.3       | 2.75                          | 0.50        | 1.75      | 1.25            | 50.42      | 11.53     | 10.10      | 41.40    | 5.78        |                     |
| BH6-0026   | 611202               | 8689128               | 8.4       | 2.75                          | 1.00        | 2.00      | 1.00            | 46.05      | 17.17     | 11.46      | 36.35    | 6.95        |                     |
| BH6-0030   | 612318               | 8689124               | 9.7       | 2.50                          | 0.25        | 1.50      | 1.25            | 51.98      | 11.67     | 8.58       | 40.36    | 5.60        |                     |
| BH6-0031   | 612471               | 8689107               | 8.6       | 3.00                          | 0.50        | 1.50      | 1.00            | 47.10      | 15.30     | 13.10      | 33.30    | 8.10        |                     |
| BH6-0034   | 611197               | 8689280               | 8.3       | 2.50                          | 0.75        | 1.50      | 0.75            | 42.32      | 17.70     | 16.28      | 31.65    | 7.40        |                     |

| Drill Hole | Easting<br>MGA94 Z54 | Northing<br>MGA94 Z54 | RL<br>(m) | Total<br>Hole<br>Depth<br>(m) | From<br>(m) | To<br>(m) | Interval<br>(m) | %<br>Al2O3 | %<br>SiO2 | %<br>Fe2O3 | %<br>THA | %<br>RxSiO2 | Relative<br>Density |
|------------|----------------------|-----------------------|-----------|-------------------------------|-------------|-----------|-----------------|------------|-----------|------------|----------|-------------|---------------------|
| BH6-0036   | 612169               | 8689283               | 9.4       | 1.50                          | 0.50        | 0.75      | 0.25            | 46.77      | 19.05     | 10.70      | 30.20    | 8.30        |                     |
| BH6-0038   | 612486               | 8689279               | 9.6       | 2.75                          | 0.50        | 2.50      | 2.00            | 52.32      | 12.99     | 7.88       | 36.65    | 6.75        |                     |
| BH6-0040   | 610882               | 8689442               | 7.9       | 3.50                          | 0.50        | 2.50      | 2.00            | 47.50      | 17.00     | 10.17      | 35.76    | 6.04        |                     |
| BH6-0041   | 611036               | 8689450               | 7.6       | 3.50                          | 0.75        | 2.50      | 1.75            | 46.89      | 18.54     | 9.02       | 36.59    | 6.80        |                     |
| BH6-0042   | 611201               | 8689446               | 9.0       | 3.50                          | 1.00        | 2.00      | 1.00            | 46.00      | 21.10     | 9.73       | 32.00    | 7.70        |                     |
| BH6-0043   | 612311               | 8689448               | 9.9       | 3.00                          | 0.50        | 1.50      | 1.00            | 49.80      | 14.20     | 11.45      | 33.30    | 7.10        |                     |
| BH6-0044   | 612470               | 8689441               | 8.9       | 1.75                          | 0.50        | 1.00      | 0.50            | 45.00      | 21.60     | 11.05      | 26.40    | 8.60        |                     |
| BH6-0047   | 610877               | 8689610               | 7.9       | 1.50                          | 0.25        | 0.75      | 0.50            | 52.10      | 11.40     | 8.70       | 40.90    | 5.40        |                     |
| BH6-0048   | 611036               | 8689607               | 8.5       | 3.00                          | 1.00        | 2.50      | 1.50            | 40.27      | 21.20     | 17.95      | 23.17    | 10.73       |                     |
| BH6-0049   | 611204               | 8689598               | 8.7       | 3.50                          | 2.00        | 3.00      | 1.00            | 42.04      | 21.52     | 13.48      | 30.44    | 8.70        |                     |
| BH6-0054   | 613440               | 8689605               | 8.3       | 1.25                          | 0.70        | 0.75      | 0.05            | 38.71      |           |            | 21.30    | 21.10       |                     |
| BH6-0056   | 610882               | 8689760               | 8.1       | 2.75                          | 0.50        | 2.00      | 1.50            | 46.63      | 18.56     | 10.18      | 34.75    | 6.60        |                     |
| BH6-0057   | 611029               | 8689769               | 8.4       | 3.50                          | 0.75        | 1.50      | 0.75            | 46.07      | 18.05     | 12.10      | 33.20    | 7.67        |                     |
| BH6-0062   | 610882               | 8689927               | 7.7       | 2.00                          | 0.25        | 1.50      | 1.25            | 46.20      | 17.35     | 11.55      | 33.30    | 7.70        |                     |
| BH6-0063   | 611032               | 8689925               | 7.1       | 3.50                          | 1.25        | 1.50      | 0.25            | 43.50      | 23.90     | 10.30      | 29.50    | 9.30        |                     |
| BH6-0064   | 611192               | 8689928               | 7.3       | 3.00                          | 1.50        | 2.00      | 0.50            | 40.99      | 19.60     | 16.45      | 29.60    | 8.20        |                     |
| BH6-0065   | 613269               | 8689929               | 5.5       | 4.25                          | 0.75        | 3.25      | 2.50            | 49.90      | 14.55     | 10.00      | 32.30    | 8.30        |                     |
| BH6-0066   | 613441               | 8689929               | 8.3       | 1.75                          | 0.95        | 1.00      | 0.05            | 30.55      |           |            | 24.30    | 29.10       |                     |
| BH6-0067   | 613605               | 8689927               | 7.9       | 3.00                          | 0.25        | 1.25      | 1.00            | 49.35      | 15.27     | 8.72       | 36.10    | 7.60        |                     |
| BH6-0067A  | 613605               | 8689927               | 7.9       | 3.00                          | 0.25        | 2.50      | 2.25            | 51.37      | 12.58     | 8.26       | 38.34    | 6.73        |                     |
| BH6-0068   | 613751               | 8689927               | 9.3       | 1.00                          | 0.25        | 0.50      | 0.25            | 49.05      | 14.70     | 9.10       | 34.45    | 8.90        |                     |
| BH6-0069   | 610875               | 8690081               | 6.9       | 2.25                          | 1.00        | 1.50      | 0.50            | 43.85      | 16.43     | 16.23      | 31.40    | 8.90        |                     |
| BH6-0073   | 612957               | 8690083               | 7.1       | 3.25                          | 0.50        | 1.00      | 0.50            | 48.30      | 16.70     | 11.15      | 30.80    | 7.90        |                     |
| BH6-0074   | 613440               | 8690092               | 6.9       | 4.00                          | 0.50        | 3.00      | 2.50            | 49.58      | 17.72     | 6.16       | 33.52    | 10.45       |                     |
| BH6-0075   | 613599               | 8690082               | 8.2       | 2.25                          | 0.75        | 1.00      | 0.25            | 49.80      | 13.30     | 10.15      | 35.40    | 8.60        |                     |
| BH6-0082   | 612801               | 8690256               | 8.5       | 1.50                          | 0.25        | 0.75      | 0.50            | 43.35      | 18.65     | 16.35      | 28.80    | 7.10        |                     |
| BH6-0083   | 612956               | 8690239               | 8.5       | 1.75                          | 0.25        | 0.50      | 0.25            | 49.70      | 13.60     | 10.95      | 35.10    | 6.60        |                     |
| BH6-0084   | 613431               | 8690252               | 7.0       | 3.25                          | 0.50        | 2.25      | 1.75            | 49.20      | 13.95     | 9.83       | 34.20    | 9.10        |                     |
| BH6-0085   | 613583               | 8690244               | 8.2       | 1.75                          | 0.50        | 0.75      | 0.25            | 53.80      | 9.08      | 7.26       | 41.90    | 5.00        |                     |
| BH6-0086   | 613766               | 8690247               | 8.3       | 2.00                          | 0.25        | 0.75      | 0.50            | 47.66      | 16.57     | 10.20      | 33.81    | 8.85        |                     |
| BH6-0087   | 613926               | 8690242               | 9.6       | 2.25                          | 0.25        | 1.25      | 1.00            | 48.02      | 16.38     | 8.55       | 35.75    | 7.70        |                     |
| BH6-0092   | 612788               | 8690401               | 9.7       | 2.00                          | 0.25        | 1.25      | 1.00            | 48.97      | 15.76     | 8.81       | 34.65    | 7.95        |                     |
| BH6-0094   | 613114               | 8690404               | 7.6       | 2.75                          | 0.25        | 2.00      | 1.75            | 50.20      | 13.55     | 9.10       | 36.40    | 7.60        | 2.13                |
| BH6-0096   | 613759               | 8690408               | 7.8       | 4.25                          | 0.25        | 2.00      | 1.75            | 52.83      | 11.29     | 7.12       | 38.64    | 6.34        |                     |
| BH6-0097   | 613918               | 8690399               | 9.0       | 4.00                          | 0.50        | 2.00      | 1.50            | 52.32      | 11.72     | 8.30       | 37.82    | 5.65        |                     |
| BH6-0098   | 614077               | 8690402               | 0.4       | 1.75                          | 0.25        | 1.00      | 0.75            | 49.13      | 15.90     | 8.30       | 38.13    | 6.90        |                     |
| BH6-0102   | 612790               | 8690566               | 7.0       | 1.50                          | 0.45        | 0.50      | 0.05            | 34.13      |           |            | 25.90    | 24.90       |                     |
| BH6-0103   | 612956               | 8690563               | 7.2       | 2.50                          | 0.50        | 1.50      | 1.00            | 53.25      | 10.26     | 8.59       | 41.95    | 4.90        |                     |
| BH6-0104   | 613114               | 8690560               | 7.8       | 2.75                          | 0.25        | 1.50      | 1.25            | 48.49      | 15.84     | 9.50       | 33.64    | 9.16        |                     |
| BH6-0105   | 613586               | 8690561               | 8.7       | 2.50                          | 0.25        | 2.25      | 2.00            | 52.31      | 13.01     | 6.57       | 38.95    | 7.98        |                     |
| BH6-0106   | 613765               | 8690566               | 8.7       | 2.25                          | 0.25        | 2.00      | 1.75            | 49.60      | 12.50     | 10.35      | 36.70    | 8.70        |                     |
| BH6-0108   | 614075               | 8690567               | 7.7       | 1.25                          | 0.50        | 0.75      | 0.25            | 49.25      | 12.35     | 12.20      | 32.97    | 7.00        |                     |



| Drill Hole | Easting<br>MGA94 Z54 | Northing<br>MGA94 Z54 | RL<br>(m) | Total<br>Hole<br>Depth<br>(m) | From<br>(m) | To<br>(m) | Interval<br>(m) | %<br>Al2O3 | %<br>SiO2 | %<br>Fe2O3 | %<br>THA | %<br>RxSiO2 | Relative<br>Density |
|------------|----------------------|-----------------------|-----------|-------------------------------|-------------|-----------|-----------------|------------|-----------|------------|----------|-------------|---------------------|
| BH6-0109   | 614241               | 8690559               | 7.8       | 2.75                          | 0.25        | 2.00      | 1.75            | 52.57      | 11.81     | 6.72       | 41.17    | 6.11        |                     |
| BH6-0112   | 612645               | 8690724               | 0.3       | 2.50                          | 0.25        | 1.00      | 0.75            | 47.40      | 17.60     | 10.81      | 31.30    | 7.07        |                     |
| BH6-0114   | 612960               | 8690721               | 6.5       | 2.00                          | 0.25        | 1.00      | 0.75            | 47.77      | 15.23     | 11.57      | 33.43    | 7.77        |                     |
| BH6-0115   | 613117               | 8690726               | 6.7       | 1.75                          | 0.25        | 1.25      | 1.00            | 47.43      | 16.43     | 10.32      | 33.35    | 7.08        |                     |
| BH6-0117   | 613918               | 8690713               | 8.0       | 4.00                          | 0.50        | 2.00      | 1.50            | 51.87      | 10.55     | 9.42       | 38.83    | 6.37        |                     |
| BH6-0118   | 614074               | 8690729               | 6.9       | 2.00                          | 0.25        | 1.00      | 0.75            | 49.30      | 16.03     | 8.59       | 33.67    | 7.17        |                     |
| BH6-0119   | 614227               | 8690724               | 7.0       | 1.50                          | 0.25        | 0.75      | 0.50            | 48.35      | 16.68     | 10.20      | 31.55    | 7.55        |                     |
| BH6-0122   | 612643               | 8690895               | 0.1       | 2.25                          | 0.75        | 1.50      | 0.75            | 48.93      | 14.28     | 10.36      | 35.13    | 7.77        |                     |
| BH6-0123   | 612800               | 8690884               | 7.1       | 1.50                          | 0.25        | 1.00      | 0.75            | 50.30      | 13.20     | 10.00      | 34.60    | 7.20        | 1.58                |
| BH6-0124   | 612967               | 8690890               | 5.9       | 2.75                          | 0.50        | 1.25      | 0.75            | 47.97      | 15.32     | 11.05      | 32.53    | 8.13        |                     |
| BH6-0125   | 613116               | 8690887               | 7.3       | 1.50                          | 0.25        | 1.00      | 0.75            | 49.30      | 15.00     | 8.64       | 35.40    | 7.30        |                     |
| BH6-0126   | 613273               | 8690884               | 9.4       | 1.25                          | 0.25        | 0.50      | 0.25            | 46.90      | 15.95     | 12.40      | 31.30    | 8.10        |                     |
| BH6-0128   | 613917               | 8690889               | 6.6       | 3.00                          | 0.25        | 2.25      | 2.00            | 49.70      | 13.45     | 10.52      | 35.67    | 5.86        |                     |
| BH6-0129   | 614088               | 8690885               | 8.4       | 2.75                          | 0.50        | 2.25      | 1.75            | 50.54      | 15.78     | 7.82       | 36.99    | 7.79        |                     |
| BH6-0130   | 614240               | 8690890               | 7.2       | 3.00                          | 0.25        | 2.50      | 2.25            | 51.56      | 11.39     | 8.84       | 38.34    | 5.97        |                     |
| BH6-0130A  | 614240               | 8690890               | 7.2       | 3.00                          | 0.25        | 2.25      | 2.00            | 52.02      | 10.89     | 8.53       | 38.80    | 5.82        |                     |
| BH6-0131   | 614409               | 8690882               | 9.4       | 2.50                          | 0.25        | 2.25      | 2.00            | 50.17      | 12.64     | 9.48       | 38.30    | 6.50        | 2.18                |
| BH6-0132   | 614554               | 8690879               | 9.2       | 2.25                          | 0.25        | 1.25      | 1.00            | 47.15      | 14.74     | 14.24      | 31.50    | 6.22        |                     |
| BH6-0133   | 612962               | 8691044               | 7.1       | 3.00                          | 0.50        | 2.00      | 1.50            | 54.85      | 9.88      | 7.25       | 40.40    | 4.30        |                     |
| BH6-0135   | 613281               | 8691031               | 8.1       | 2.00                          | 0.50        | 1.25      | 0.75            | 50.10      | 11.35     | 11.65      | 34.80    | 6.20        |                     |
| BH6-0136   | 613918               | 8691037               | 7.6       | 1.25                          | 0.25        | 0.50      | 0.25            | 45.10      | 19.40     | 12.40      | 29.20    | 8.60        |                     |
| BH6-0138   | 614238               | 8691044               | 6.4       | 3.00                          | 0.25        | 2.25      | 2.00            | 53.08      | 10.59     | 7.71       | 41.34    | 4.39        |                     |
| BH6-0139   | 614386               | 8691036               | 7.9       | 3.50                          | 0.25        | 2.25      | 2.00            | 50.51      | 12.16     | 9.39       | 39.54    | 5.78        |                     |
| BH6-0140   | 614547               | 8691042               | 9.4       | 2.50                          | 0.25        | 1.50      | 1.25            | 45.54      | 16.68     | 12.71      | 32.28    | 7.34        |                     |
| BH6-0141   | 614712               | 8691043               | 0.9       | 2.00                          | 0.25        | 0.50      | 0.25            | 40.80      | 23.00     | 14.30      | 27.10    | 8.30        |                     |
| BH6-0146   | 614082               | 8691205               | 8.8       | 1.00                          | 0.50        | 0.75      | 0.25            | 46.67      | 14.65     | 14.45      | 28.61    | 8.80        |                     |
| BH6-0147   | 614241               | 8691209               | 8.1       | 4.00                          | 0.25        | 3.00      | 2.75            | 50.64      | 14.40     | 8.08       | 37.89    | 6.14        |                     |
| BH6-0148   | 614396               | 8691212               | 9.5       | 3.75                          | 0.25        | 3.50      | 3.25            | 50.22      | 14.71     | 8.11       | 36.56    | 6.81        |                     |
| BH6-0149   | 614557               | 8691215               | 9.0       | 3.75                          | 0.25        | 3.00      | 2.75            | 50.21      | 12.71     | 9.04       | 38.39    | 5.96        |                     |
| BH6-0150   | 614717               | 8691210               | 9.7       | 2.00                          | 0.25        | 1.75      | 1.50            | 50.50      | 10.95     | 10.15      | 38.60    | 6.30        |                     |
| BH6-0151   | 614871               | 8691203               | 7.6       | 2.25                          | 0.50        | 1.50      | 1.00            | 48.75      | 14.66     | 10.41      | 34.95    | 6.80        |                     |
| BH6-0152   | 614079               | 8691366               | 6.7       | 2.25                          | 0.25        | 1.00      | 0.75            | 48.37      | 15.52     | 9.95       | 35.37    | 5.83        |                     |
| BH6-0153   | 614237               | 8691359               | 7.0       | 2.25                          | 0.50        | 1.25      | 0.75            | 52.43      | 9.37      | 8.94       | 41.93    | 4.90        |                     |
| BH6-0154   | 614403               | 8691369               | 0.5       | 5.00                          | 0.25        | 3.50      | 3.25            | 51.40      | 11.56     | 9.25       | 38.55    | 5.49        |                     |
| BH6-0155   | 614564               | 8691358               | 9.9       | 2.25                          | 0.25        | 1.50      | 1.25            | 51.28      | 12.58     | 8.64       | 38.50    | 5.94        |                     |
| BH6-0156   | 614720               | 8691358               | 7.2       | 2.00                          | 0.25        | 1.00      | 0.75            | 50.37      | 14.65     | 8.19       | 37.27    | 6.33        |                     |
| BH6-0157   | 614868               | 8691354               | 8.2       | 3.00                          | 0.25        | 2.00      | 1.75            | 50.99      | 13.00     | 9.39       | 37.96    | 5.71        |                     |
| BH6-0158   | 615033               | 8691369               | 7.9       | 2.25                          | 0.25        | 1.50      | 1.25            | 50.70      | 13.83     | 7.91       | 37.88    | 6.26        |                     |
| BH6-0160   | 614237               | 8691520               | 6.0       | 2.50                          | 0.25        | 1.75      | 1.50            | 49.80      | 12.22     | 11.67      | 36.30    | 5.68        |                     |
| BH6-0161   | 614402               | 8691531               | 9.2       | 2.75                          | 0.25        | 2.25      | 2.00            | 50.37      | 13.14     | 10.10      | 36.41    | 6.30        |                     |
| BH6-0162   | 614556               | 8691517               | 1.1       | 2.25                          | 0.25        | 1.50      | 1.25            | 49.34      | 15.15     | 8.44       | 38.28    | 6.28        |                     |
| BH6-0163   | 614717               | 8691532               | 8.0       | 3.75                          | 0.50        | 2.75      | 2.25            | 49.58      | 15.11     | 8.03       | 37.00    | 7.84        |                     |

| Drill Hole | Easting<br>MGA94 Z54 | Northing<br>MGA94 Z54 | RL<br>(m) | Total<br>Hole<br>Depth<br>(m) | From<br>(m) | To<br>(m) | Interval<br>(m) | %<br>Al2O3 | %<br>SiO2 | %<br>Fe2O3 | %<br>THA | %<br>RxSiO2 | Relative<br>Density |
|------------|----------------------|-----------------------|-----------|-------------------------------|-------------|-----------|-----------------|------------|-----------|------------|----------|-------------|---------------------|
| BH6-0164   | 614885               | 8691524               | 7.9       | 4.50                          | 0.50        | 3.00      | 2.50            | 50.56      | 14.92     | 7.38       | 38.36    | 5.88        |                     |
| BH6-0165   | 615051               | 8691526               | 7.8       | 2.50                          | 0.50        | 2.00      | 1.50            | 53.50      | 8.94      | 7.95       | 42.90    | 4.70        |                     |
| BH6-0166   | 615202               | 8691521               | 7.4       | 4.50                          | 0.50        | 3.00      | 2.50            | 51.12      | 14.09     | 7.17       | 38.98    | 6.02        |                     |
| BH6-0168   | 614231               | 8691677               | 6.7       | 2.25                          | 0.25        | 1.25      | 1.00            | 50.82      | 14.14     | 6.71       | 40.77    | 6.35        |                     |
| BH6-0169   | 614397               | 8691688               | 8.3       | 3.00                          | 0.25        | 2.00      | 1.75            | 50.11      | 14.04     | 7.40       | 40.23    | 6.10        |                     |
| BH6-0170   | 614554               | 8691682               | 8.7       | 3.50                          | 0.25        | 3.00      | 2.75            | 50.87      | 11.89     | 9.65       | 39.42    | 5.32        |                     |
| BH6-0170A  | 614554               | 8691682               | 8.7       | 3.50                          | 0.25        | 3.00      | 2.75            | 51.79      | 11.80     | 8.49       | 40.15    | 5.37        |                     |
| BH6-0171   | 614720               | 8691671               | 7.9       | 2.25                          | 0.25        | 1.50      | 1.25            | 50.70      | 10.51     | 10.18      | 40.44    | 6.08        |                     |
| BH6-0172   | 614888               | 8691682               | 8.0       | 3.50                          | 0.50        | 2.50      | 2.00            | 51.80      | 12.56     | 6.50       | 40.97    | 6.58        |                     |
| BH6-0173   | 615031               | 8691685               | 7.0       | 4.00                          | 0.50        | 2.75      | 2.25            | 50.21      | 15.41     | 7.96       | 37.72    | 6.70        |                     |
| BH6-0174   | 615195               | 8691683               | 7.6       | 2.25                          | 0.50        | 1.25      | 0.75            | 44.87      | 16.25     | 14.80      | 32.43    | 7.73        |                     |
| BH6-0175   | 614238               | 8691859               | 9.8       | 3.00                          | 0.25        | 2.50      | 2.25            | 51.26      | 12.59     | 7.93       | 39.37    | 5.52        |                     |
| BH6-0176   | 614401               | 8691851               | 9.2       | 2.00                          | 0.50        | 1.75      | 1.25            | 50.90      | 13.00     | 7.91       | 39.60    | 6.60        |                     |
| BH6-0177   | 614559               | 8691837               | 8.8       | 2.75                          | 0.50        | 2.00      | 1.50            | 48.90      | 14.43     | 10.66      | 36.42    | 6.58        |                     |
| BH6-0178   | 614715               | 8691848               | 7.4       | 2.50                          | 0.25        | 2.25      | 2.00            | 51.30      | 13.90     | 6.94       | 39.50    | 7.10        |                     |
| BH6-0179   | 614884               | 8691854               | 8.4       | 4.00                          | 0.50        | 3.00      | 2.50            | 52.56      | 11.29     | 7.80       | 41.40    | 5.38        |                     |
| BH6-0180   | 615038               | 8691848               | 7.6       | 3.25                          | 0.75        | 3.00      | 2.25            | 51.60      | 14.10     | 6.05       | 34.70    | 7.70        | 2.10                |
| BH6-0181   | 615198               | 8691851               | 7.3       | 4.00                          | 0.50        | 3.00      | 2.50            | 51.18      | 13.86     | 7.55       | 38.90    | 5.98        |                     |
| BH6-0182   | 615353               | 8691836               | 7.2       | 3.00                          | 0.50        | 2.25      | 1.75            | 50.66      | 14.86     | 6.79       | 38.64    | 7.23        |                     |
| BH6-0183   | 614243               | 8692000               | 9.2       | 3.00                          | 0.25        | 2.50      | 2.25            | 49.64      | 14.29     | 8.81       | 36.78    | 7.47        |                     |
| BH6-0184   | 614394               | 8692008               | 8.6       | 2.25                          | 0.50        | 1.50      | 1.00            | 51.63      | 13.46     | 7.30       | 39.02    | 5.45        |                     |
| BH6-0185   | 614567               | 8691999               | 7.5       | 2.75                          | 0.25        | 2.00      | 1.75            | 51.19      | 13.74     | 8.01       | 37.09    | 5.16        |                     |
| BH6-0186   | 614715               | 8692003               | 7.8       | 2.00                          | 1.00        | 1.25      | 0.25            | 49.30      | 14.25     | 10.90      | 32.40    | 7.80        |                     |
| BH6-0187   | 614870               | 8692004               | 7.8       | 2.50                          | 0.75        | 1.75      | 1.00            | 52.75      | 10.35     | 8.99       | 38.80    | 5.03        |                     |
| BH6-0188   | 615033               | 8692000               | 7.8       | 2.25                          | 1.00        | 1.50      | 0.50            | 43.40      | 19.30     | 14.35      | 27.20    | 9.30        |                     |
| BH6-0189   | 615199               | 8692002               | 7.1       | 2.75                          | 0.75        | 2.00      | 1.25            | 52.48      | 12.10     | 7.11       | 40.32    | 6.42        |                     |
| BH6-0190   | 615359               | 8692004               | 6.6       | 2.00                          | 0.75        | 1.00      | 0.25            | 45.60      |           |            |          |             |                     |
| BH6-0194   | 614548               | 8692169               | 8.2       | 1.75                          | 0.25        | 1.00      | 0.75            | 49.77      | 14.35     | 8.73       | 39.37    | 6.47        |                     |
| BH6-0196   | 614876               | 8692170               | 6.9       | 2.50                          | 0.25        | 2.00      | 1.75            | 51.21      | 11.93     | 7.56       | 41.77    | 5.84        |                     |
| BH6-0196A  | 614876               | 8692170               | 6.9       | 2.50                          | 0.25        | 2.00      | 1.75            | 51.21      | 11.93     | 7.56       | 41.77    | 5.84        |                     |
| BH6-0197   | 615034               | 8692170               | 6.7       | 2.00                          | 0.50        | 1.50      | 1.00            | 50.10      | 12.65     | 9.74       | 38.40    | 6.80        |                     |
| BH6-0199   | 615353               | 8692173               | 6.7       | 3.25                          | 0.50        | 1.00      | 0.50            | 44.87      | 18.00     | 12.15      | 32.97    | 9.60        |                     |
| BH6-0200   | 615525               | 8692172               | 5.8       | 3.00                          | 1.00        | 2.50      | 1.50            | 44.80      | 16.97     | 12.37      | 34.82    | 8.37        |                     |
| BH6-0202   | 613598               | 8692328               | 7.3       | 3.50                          | 0.25        | 2.00      | 1.75            | 51.76      | 13.43     | 8.19       | 37.30    | 6.10        |                     |
| BH6-0203   | 614400               | 8692322               | 8.1       | 2.00                          | 0.25        | 1.75      | 1.50            | 51.79      | 11.06     | 9.23       | 40.21    | 6.62        |                     |
| BH6-0204   | 614562               | 8692318               | 7.2       | 1.75                          | 0.50        | 1.25      | 0.75            | 51.03      | 13.70     | 6.93       | 40.80    | 6.67        |                     |
| BH6-0205   | 614714               | 8692320               | 7.4       | 4.00                          | 0.25        | 2.50      | 2.25            | 49.79      | 15.84     | 6.49       | 38.67    | 7.73        |                     |
| BH6-0206   | 614870               | 8692318               | 6.6       | 2.75                          | 0.75        | 2.00      | 1.25            | 48.76      | 14.81     | 10.69      | 36.02    | 7.34        |                     |
| BH6-0208   | 615202               | 8692320               | 7.1       | 3.00                          | 0.50        | 1.50      | 1.00            | 45.90      | 18.30     | 10.10      | 33.60    | 8.80        |                     |
| BH6-0209   | 615350               | 8692324               | 7.6       | 4.25                          | 0.50        | 3.00      | 2.50            | 46.70      | 15.74     | 12.39      | 35.34    | 7.68        |                     |
| BH6-0210   | 615516               | 8692325               | 7.9       | 3.00                          | 0.50        | 2.25      | 1.75            | 50.81      | 14.21     | 7.61       | 39.50    | 6.83        |                     |
| BH6-0211   | 613441               | 8692483               | 7.3       | 2.50                          | 0.25        | 2.00      | 1.75            | 49.20      | 14.05     | 10.15      | 36.10    | 7.80        |                     |

| Drill Hole | Easting<br>MGA94 Z54 | Northing<br>MGA94 Z54 | RL<br>(m) | Total<br>Hole<br>Depth<br>(m) | From<br>(m) | To<br>(m) | Interval<br>(m) | %<br>Al2O3 | %<br>SiO2 | %<br>Fe2O3 | %<br>THA | %<br>R <sub>x</sub> SiO <sub>2</sub> | Relative<br>Density |
|------------|----------------------|-----------------------|-----------|-------------------------------|-------------|-----------|-----------------|------------|-----------|------------|----------|--------------------------------------|---------------------|
| BH6-0212   | 613594               | 8692486               | 8.4       | 2.75                          | 0.25        | 2.25      | 2.00            | 48.25      | 12.02     | 14.61      | 33.79    | 5.08                                 |                     |
| BH6-0213   | 613755               | 8692475               | 6.9       | 3.00                          | 0.25        | 2.50      | 2.25            | 50.70      | 13.55     | 7.43       | 39.00    | 7.30                                 |                     |
| BH6-0215   | 614717               | 8692485               | 6.9       | 2.50                          | 0.50        | 1.75      | 1.25            | 49.71      | 12.92     | 9.93       | 38.57    | 6.50                                 |                     |
| BH6-0216   | 614864               | 8692494               | 7.4       | 6.00                          | 0.50        | 2.75      | 2.25            | 48.01      | 12.18     | 12.93      | 37.12    | 6.81                                 |                     |
| BH6-0217   | 615042               | 8692494               | 8.2       | 3.00                          | 1.00        | 2.75      | 1.75            | 44.28      | 18.09     | 12.17      | 33.36    | 7.97                                 |                     |
| BH6-0218   | 615196               | 8692486               | 8.3       | 3.75                          | 0.50        | 2.75      | 2.25            | 49.72      | 13.11     | 9.42       | 39.41    | 6.28                                 |                     |
| BH6-0219   | 615342               | 8692489               | 8.3       | 2.75                          | 0.50        | 2.50      | 2.00            | 52.00      | 10.75     | 8.21       | 41.40    | 5.60                                 | 1.61                |
| BH6-0220   | 615515               | 8692488               | 8.8       | 1.75                          | 0.50        | 1.25      | 0.75            | 50.63      | 13.17     | 10.50      | 36.07    | 6.07                                 |                     |
| BH6-0222   | 615518               | 8692644               | 8.3       | 1.75                          | 0.50        | 1.50      | 1.00            | 51.88      | 11.66     | 9.15       | 39.05    | 5.70                                 |                     |
| BH6-0223   | 613449               | 8692640               | 7.9       | 2.25                          | 0.25        | 1.00      | 0.75            | 51.20      | 13.33     | 7.95       | 38.63    | 6.07                                 |                     |
| BH6-0225   | 613762               | 8692643               | 7.8       | 3.25                          | 0.25        | 3.00      | 2.75            | 50.71      | 14.00     | 9.15       | 36.34    | 6.50                                 | 2.04                |
| BH6-0226   | 614563               | 8692650               | 8.5       | 2.25                          | 0.50        | 1.75      | 1.25            | 49.00      | 15.80     | 7.88       | 38.20    | 6.90                                 |                     |
| BH6-0227   | 614713               | 8692637               | 7.6       | 3.00                          | 0.25        | 2.50      | 2.25            | 50.08      | 13.76     | 8.43       | 40.63    | 5.98                                 |                     |
| BH6-0229   | 615034               | 8692640               | 7.1       | 4.00                          | 0.50        | 2.50      | 2.00            | 47.95      | 14.30     | 11.26      | 37.95    | 6.70                                 |                     |
| BH6-0229A  | 615034               | 8692640               | 7.1       | 4.00                          | 0.50        | 3.00      | 2.50            | 48.08      | 15.65     | 9.80       | 37.68    | 6.86                                 |                     |
| BH6-0230   | 615198               | 8692653               | 8.0       | 4.00                          | 0.25        | 2.50      | 2.25            | 49.98      | 15.01     | 7.81       | 38.71    | 6.73                                 |                     |
| BH6-0231   | 615351               | 8692646               | 8.4       | 5.00                          | 0.50        | 3.50      | 3.00            | 49.82      | 16.02     | 7.73       | 37.70    | 6.78                                 |                     |
| BH6-0233   | 613450               | 8692798               | 8.0       | 3.25                          | 0.25        | 2.75      | 2.50            | 50.27      | 14.99     | 8.13       | 36.63    | 7.45                                 |                     |
| BH6-0235   | 613760               | 8692807               | 7.9       | 2.25                          | 0.25        | 1.75      | 1.50            | 52.61      | 11.31     | 8.46       | 39.65    | 5.12                                 |                     |
| BH6-0236   | 614720               | 8692808               | 8.9       | 4.75                          | 0.75        | 3.50      | 2.75            | 51.42      | 12.79     | 8.19       | 38.96    | 6.60                                 |                     |
| BH6-0237   | 614878               | 8692801               | 8.6       | 4.25                          | 0.25        | 3.00      | 2.75            | 44.72      | 17.26     | 12.85      | 35.09    | 7.14                                 |                     |
| BH6-0238   | 615032               | 8692814               | 8.5       | 1.75                          | 0.50        | 1.25      | 0.75            | 49.20      | 11.30     | 12.05      | 38.50    | 6.50                                 |                     |
| BH6-0239   | 615197               | 8692811               | 7.4       | 4.25                          | 0.75        | 3.00      | 2.25            | 48.86      | 15.03     | 8.62       | 36.27    | 8.99                                 |                     |
| BH6-0240   | 615363               | 8692803               | 8.1       | 4.00                          | 0.75        | 3.75      | 3.00            | 51.95      | 12.43     | 7.40       | 41.37    | 6.02                                 |                     |
| BH6-0241   | 615523               | 8692816               | 8.8       | 2.50                          | 0.50        | 1.75      | 1.25            | 52.76      | 10.59     | 7.94       | 42.64    | 5.50                                 |                     |
| BH6-0243   | 613446               | 8692960               | 8.2       | 1.75                          | 0.25        | 1.00      | 0.75            | 46.53      | 17.63     | 11.97      | 31.60    | 6.63                                 |                     |
| BH6-0244   | 613599               | 8692967               | 8.2       | 2.00                          | 0.25        | 1.25      | 1.00            | 52.25      | 13.04     | 7.76       | 39.30    | 5.85                                 |                     |
| BH6-0245   | 613750               | 8692968               | 8.7       | 1.75                          | 0.25        | 1.25      | 1.00            | 47.63      | 17.40     | 10.12      | 34.03    | 7.03                                 |                     |
| BH6-0246   | 613920               | 8692964               | 8.5       | 2.75                          | 0.25        | 1.50      | 1.25            | 49.47      | 16.80     | 8.38       | 36.28    | 7.04                                 |                     |
| BH6-0247   | 614727               | 8692973               | 7.9       | 3.50                          | 0.50        | 3.25      | 2.75            | 50.60      | 13.60     | 8.50       | 40.07    | 7.05                                 |                     |
| BH6-0248   | 614876               | 8692968               | 8.3       | 3.75                          | 0.50        | 2.75      | 2.25            | 47.87      | 14.52     | 10.61      | 38.52    | 6.30                                 |                     |
| BH6-0249   | 615041               | 8692956               | 8.8       | 2.00                          | 0.50        | 1.25      | 0.75            | 48.60      | 13.57     | 12.07      | 36.00    | 7.73                                 |                     |
| BH6-0250   | 615201               | 8692961               | 8.2       | 4.25                          | 0.50        | 3.25      | 2.75            | 51.79      | 12.49     | 7.58       | 40.84    | 6.69                                 |                     |
| BH6-0251   | 615366               | 8692961               | 7.7       | 3.50                          | 0.50        | 2.75      | 2.25            | 50.90      | 12.79     | 8.39       | 39.83    | 6.31                                 |                     |
| BH6-0252   | 615530               | 8692958               | 6.4       | 2.75                          | 0.50        | 2.25      | 1.75            | 50.54      | 13.02     | 9.17       | 39.13    | 5.69                                 |                     |
| BH6-0254   | 613286               | 8693135               | 9.9       | 1.50                          | 0.25        | 1.00      | 0.75            | 50.20      | 12.67     | 11.45      | 34.93    | 6.20                                 |                     |
| BH6-0255   | 613433               | 8693125               | 7.4       | 1.75                          | 0.25        | 1.25      | 1.00            | 48.64      | 12.51     | 12.79      | 36.42    | 5.67                                 |                     |
| BH6-0256   | 613592               | 8693126               | 7.6       | 3.50                          | 0.25        | 2.50      | 2.25            | 50.58      | 12.16     | 10.86      | 37.38    | 5.29                                 |                     |
| BH6-0256A  | 613592               | 8693126               | 7.6       | 3.50                          | 0.25        | 2.50      | 2.25            | 49.72      | 14.47     | 9.36       | 36.77    | 6.33                                 |                     |
| BH6-0257   | 613764               | 8693132               | 8.7       | 2.25                          | 0.25        | 2.00      | 1.75            | 51.30      | 12.70     | 9.17       | 37.50    | 6.20                                 |                     |
| BH6-0258   | 613924               | 8693127               | 7.5       | 3.00                          | 0.25        | 2.00      | 1.75            | 50.86      | 14.97     | 6.55       | 38.53    | 6.69                                 |                     |
| BH6-0259   | 614871               | 8693129               | 8.3       | 3.00                          | 0.25        | 2.25      | 2.00            | 46.67      | 16.51     | 11.25      | 36.31    | 6.75                                 |                     |

| Drill Hole | Easting<br>MGA94 Z54 | Northing<br>MGA94 Z54 | RL<br>(m) | Total<br>Hole<br>Depth<br>(m) | From<br>(m) | To<br>(m) | Interval<br>(m) | %<br>Al2O3 | %<br>SiO2 | %<br>Fe2O3 | %<br>THA | %<br>R <sub>x</sub> SiO2 | Relative<br>Density |
|------------|----------------------|-----------------------|-----------|-------------------------------|-------------|-----------|-----------------|------------|-----------|------------|----------|--------------------------|---------------------|
| BH6-0260   | 615040               | 8693127               | 7.8       | 3.75                          | 0.50        | 3.25      | 2.75            | 53.20      | 10.57     | 8.99       | 41.24    | 4.53                     |                     |
| BH6-0261   | 615181               | 8693131               | 8.7       | 4.25                          | 0.75        | 3.50      | 2.75            | 52.75      | 12.35     | 7.26       | 41.18    | 5.23                     |                     |
| BH6-0262   | 615350               | 8693134               | 8.2       | 2.75                          | 0.25        | 2.50      | 2.25            | 52.56      | 11.04     | 8.24       | 42.33    | 5.68                     | 1.78                |
| BH6-0263   | 615515               | 8693127               | 7.6       | 3.50                          | 0.50        | 2.50      | 2.00            | 52.60      | 12.25     | 6.89       | 41.67    | 5.97                     |                     |
| BH6-0264   | 615696               | 8693132               | 6.9       | 2.50                          | 1.00        | 2.25      | 1.25            | 49.00      | 17.20     | 9.38       | 33.60    | 8.90                     |                     |
| BH6-0265   | 613280               | 8693278               | 8.1       | 1.25                          | 0.50        | 0.60      | 0.10            | 43.80      |           |            |          |                          |                     |
| BH6-0266   | 613441               | 8693291               | 7.0       | 4.00                          | 0.25        | 2.50      | 2.25            | 51.79      | 13.57     | 7.69       | 39.34    | 5.26                     |                     |
| BH6-0267   | 613588               | 8693280               | 7.4       | 2.50                          | 0.25        | 2.00      | 1.75            | 49.01      | 15.21     | 9.39       | 37.64    | 6.61                     |                     |
| BH6-0268   | 613758               | 8693283               | 7.8       | 3.00                          | 0.25        | 2.00      | 1.75            | 52.70      | 11.11     | 7.82       | 42.53    | 6.13                     |                     |
| BH6-0269   | 613916               | 8693280               | 7.1       | 3.25                          | 0.50        | 3.00      | 2.50            | 49.97      | 14.05     | 9.04       | 36.74    | 8.40                     |                     |
| BH6-0270   | 614884               | 8693284               | 8.5       | 4.25                          | 0.50        | 2.50      | 2.00            | 47.99      | 13.90     | 11.24      | 37.94    | 6.55                     |                     |
| BH6-0271   | 615040               | 8693277               | 7.7       | 4.00                          | 0.25        | 3.00      | 2.75            | 51.77      | 13.34     | 7.18       | 41.26    | 6.10                     |                     |
| BH6-0272   | 615199               | 8693284               | 7.6       | 4.25                          | 0.50        | 2.50      | 2.00            | 49.10      | 16.38     | 7.69       | 37.90    | 6.95                     |                     |
| BH6-0273   | 615351               | 8693282               | 8.6       | 3.75                          | 0.50        | 3.00      | 2.50            | 53.70      | 11.53     | 6.16       | 43.32    | 5.24                     |                     |
| BH6-0274   | 615527               | 8693283               | 7.7       | 2.25                          | 0.50        | 1.75      | 1.25            | 52.62      | 11.65     | 7.45       | 41.80    | 5.64                     |                     |
| BH6-0276   | 612961               | 8693452               | 7.5       | 2.25                          | 0.50        | 1.50      | 1.00            | 52.80      | 10.68     | 7.97       | 42.55    | 5.00                     |                     |
| BH6-0277   | 613119               | 8693444               | 7.3       | 3.00                          | 0.50        | 2.75      | 2.25            | 51.00      | 13.60     | 8.56       | 37.60    | 7.30                     |                     |
| BH6-0278   | 613270               | 8693453               | 7.5       | 3.50                          | 0.25        | 2.50      | 2.25            | 52.90      | 12.76     | 6.48       | 41.61    | 5.62                     |                     |
| BH6-0279   | 613447               | 8693447               | 0.5       | 4.00                          | 0.25        | 3.75      | 3.50            | 52.03      | 13.56     | 7.55       | 39.66    | 6.21                     | 2.05                |
| BH6-0280   | 613599               | 8693452               | 9.0       | 3.00                          | 0.25        | 2.50      | 2.25            | 49.41      | 16.16     | 7.75       | 38.82    | 6.38                     |                     |
| BH6-0281   | 613765               | 8693452               | 8.7       | 2.75                          | 0.50        | 2.50      | 2.00            | 50.40      | 12.35     | 8.79       | 40.60    | 5.80                     |                     |
| BH6-0282   | 613913               | 8693448               | 8.2       | 4.00                          | 0.25        | 2.50      | 2.25            | 49.98      | 13.16     | 9.39       | 39.92    | 5.78                     |                     |
| BH6-0284   | 615030               | 8693446               | 9.1       | 37.50                         | 0.50        | 3.00      | 2.50            | 51.02      | 13.11     | 7.57       | 41.34    | 6.42                     |                     |
| BH6-0285   | 615205               | 8693452               | 7.8       | 4.25                          | 0.50        | 3.50      | 3.00            | 50.77      | 10.61     | 10.55      | 41.43    | 5.60                     |                     |
| BH6-0285A  | 615205               | 8693452               | 7.8       | 4.25                          | 0.50        | 3.50      | 3.00            | 47.77      | 13.93     | 12.28      | 35.90    | 6.80                     |                     |
| BH6-0286   | 615362               | 8693445               | 8.2       | 2.75                          | 0.50        | 2.50      | 2.00            | 50.30      | 13.45     | 8.80       | 38.90    | 6.80                     |                     |
| BH6-0287   | 615522               | 8693448               | 8.3       | 3.00                          | 0.50        | 1.50      | 1.00            | 49.50      | 17.15     | 6.49       | 38.40    | 7.50                     |                     |
| BH6-0288   | 615686               | 8693445               | 7.2       | 1.25                          | 0.40        | 0.50      | 0.10            | 35.52      |           |            | 13.45    | 31.50                    |                     |
| BH6-0289   | 612801               | 8693599               | 7.4       | 3.75                          | 0.25        | 2.75      | 2.50            | 50.91      | 13.20     | 8.05       | 40.58    | 5.88                     |                     |
| BH6-0290   | 612954               | 8693602               | 7.6       | 2.50                          | 0.25        | 1.25      | 1.00            | 49.40      | 14.21     | 9.49       | 38.73    | 6.53                     |                     |
| BH6-0291   | 613111               | 8693612               | 7.3       | 3.00                          | 0.25        | 2.50      | 2.25            | 48.59      | 16.69     | 8.28       | 37.73    | 6.48                     |                     |
| BH6-0292   | 613284               | 8693598               | 7.8       | 1.00                          | 0.40        | 0.50      | 0.10            | 42.00      | 24.40     | 10.65      | 29.30    | 10.10                    |                     |
| BH6-0293   | 613433               | 8693609               | 9.3       | 2.50                          | 0.25        | 1.50      | 1.25            | 50.54      | 14.48     | 7.74       | 39.98    | 6.48                     |                     |
| BH6-0294   | 613590               | 8693608               | 8.2       | 2.25                          | 0.50        | 1.75      | 1.25            | 49.94      | 14.87     | 8.21       | 39.00    | 6.24                     |                     |
| BH6-0295   | 613760               | 8693601               | 8.6       | 6.00                          | 0.25        | 2.75      | 2.50            | 49.38      | 15.42     | 8.87       | 38.27    | 5.89                     |                     |
| BH6-0296   | 613925               | 8693604               | 9.4       | 3.75                          | 0.25        | 2.50      | 2.25            | 51.01      | 13.82     | 6.70       | 41.99    | 5.60                     |                     |
| BH6-0297   | 614067               | 8693598               | 7.9       | 3.25                          | 0.50        | 2.25      | 1.75            | 49.66      | 13.82     | 10.20      | 36.97    | 8.53                     |                     |
| BH6-0299   | 615198               | 8693596               | 8.0       | 3.00                          | 0.50        | 2.25      | 1.75            | 50.49      | 11.56     | 10.44      | 39.50    | 6.00                     |                     |
| BH6-0300   | 615358               | 8693606               | 7.3       | 4.25                          | 0.50        | 2.50      | 2.00            | 52.10      | 11.95     | 7.71       | 40.95    | 6.10                     |                     |
| BH6-0301   | 615536               | 8693602               | 8.6       | 3.75                          | 0.50        | 2.50      | 2.00            | 51.30      | 15.55     | 5.72       | 37.70    | 7.65                     |                     |
| BH6-0307   | 612480               | 8693764               | 7.1       | 1.74                          | 0.25        | 0.50      | 0.25            | 38.31      |           |            | 21.10    | 19.65                    |                     |
| BH6-0309   | 612806               | 8693771               | 7.6       | 1.75                          | 0.25        | 0.50      | 0.25            | 42.79      | 22.10     | 12.25      | 29.90    | 10.00                    |                     |

| Drill Hole | Easting<br>MGA94 Z54 | Northing<br>MGA94 Z54 | RL<br>(m) | Total<br>Hole<br>Depth<br>(m) | From<br>(m) | To<br>(m) | Interval<br>(m) | %<br>Al2O3 | %<br>SiO2 | %<br>Fe2O3 | %<br>THA | %<br>RxSiO2 | Relative<br>Density |
|------------|----------------------|-----------------------|-----------|-------------------------------|-------------|-----------|-----------------|------------|-----------|------------|----------|-------------|---------------------|
| BH6-0310   | 612964               | 8693770               | 7.9       | 1.75                          | 0.50        | 1.00      | 0.50            | 48.90      | 14.60     | 10.30      | 35.40    | 7.60        |                     |
| BH6-0311   | 613122               | 8693768               | 7.7       | 1.75                          | 0.50        | 1.25      | 0.75            | 48.30      | 14.30     | 10.65      | 37.20    | 7.50        |                     |
| BH6-0312   | 613276               | 8693769               | 8.9       | 3.00                          | 0.25        | 2.00      | 1.75            | 49.19      | 15.57     | 8.34       | 38.10    | 6.76        |                     |
| BH6-0313   | 613451               | 8693769               | 8.8       | 1.50                          | 0.50        | 1.00      | 0.50            | 48.66      | 14.90     | 10.60      | 36.48    | 7.40        |                     |
| BH6-0314   | 613599               | 8693769               | 8.1       | 1.50                          | 0.50        | 1.00      | 0.50            | 49.15      | 14.23     | 10.34      | 36.65    | 7.20        |                     |
| BH6-0315   | 613763               | 8693764               | 0.6       | 3.25                          | 0.50        | 2.75      | 2.25            | 49.60      | 15.05     | 7.81       | 39.30    | 7.80        |                     |
| BH6-0316   | 613916               | 8693767               | 8.2       | 3.50                          | 0.50        | 2.75      | 2.25            | 52.39      | 11.39     | 7.69       | 41.72    | 5.46        |                     |
| BH6-0317   | 614079               | 8693758               | 8.9       | 2.25                          | 0.50        | 2.00      | 1.50            | 52.00      | 9.23      | 9.97       | 41.40    | 5.70        |                     |
| BH6-0318   | 615034               | 8693771               | 7.9       | 3.00                          | 0.50        | 2.50      | 2.00            | 52.80      | 10.65     | 7.92       | 42.20    | 6.10        |                     |
| BH6-0319   | 615200               | 8693761               | 7.5       | 4.25                          | 0.50        | 3.75      | 3.25            | 52.94      | 9.84      | 8.41       | 41.82    | 4.83        |                     |
| BH6-0320   | 615357               | 8693765               | 7.3       | 1.50                          | 0.50        | 1.25      | 0.75            | 50.20      | 12.30     | 10.40      | 38.80    | 6.50        |                     |
| BH6-0321   | 615512               | 8693757               | 7.8       | 1.75                          | 0.50        | 1.25      | 0.75            | 49.77      | 11.02     | 11.83      | 38.53    | 7.07        |                     |
| BH6-0323   | 611831               | 8693918               | 6.4       | 1.75                          | 0.25        | 1.25      | 1.00            | 47.95      | 16.90     | 9.63       | 35.42    | 7.10        |                     |
| BH6-0325   | 612151               | 8693929               | 7.2       | 2.25                          | 1.00        | 1.50      | 0.50            | 46.30      | 17.80     | 10.85      | 31.80    | 10.30       |                     |
| BH6-0326   | 612322               | 8693924               | 7.7       | 3.00                          | 0.50        | 1.50      | 1.00            | 49.10      | 15.40     | 7.44       | 36.30    | 9.40        |                     |
| BH6-0327   | 612483               | 8693923               | 6.8       | 2.00                          | 0.25        | 1.50      | 1.25            | 50.76      | 14.34     | 8.31       | 39.48    | 6.12        |                     |
| BH6-0328   | 612637               | 8693923               | 7.5       | 3.00                          | 0.25        | 1.50      | 1.25            | 51.00      | 13.45     | 7.76       | 40.70    | 5.74        |                     |
| BH6-0329   | 612784               | 8693919               | 8.1       | 2.75                          | 0.25        | 1.75      | 1.50            | 50.55      | 15.35     | 6.53       | 40.42    | 6.53        |                     |
| BH6-0330   | 612944               | 8693922               | 7.3       | 2.25                          | 0.50        | 1.25      | 0.75            | 47.13      | 16.23     | 11.43      | 34.23    | 7.90        |                     |
| BH6-0331   | 613130               | 8693917               | 8.3       | 4.00                          | 0.50        | 2.00      | 1.50            | 49.87      | 15.52     | 7.44       | 37.70    | 7.53        |                     |
| BH6-0332   | 613273               | 8693925               | 8.1       | 2.75                          | 1.00        | 2.25      | 1.25            | 47.19      | 13.72     | 12.62      | 37.07    | 7.22        |                     |
| BH6-0333   | 613433               | 8693920               | 7.9       | 5.00                          | 0.50        | 3.50      | 3.00            | 51.41      | 13.52     | 8.24       | 36.99    | 6.58        |                     |
| BH6-0334   | 613587               | 8693930               | 7.0       | 2.75                          | 0.50        | 1.75      | 1.25            | 53.66      | 12.23     | 6.19       | 42.58    | 5.48        |                     |
| BH6-0335   | 613749               | 8693926               | 8.3       | 3.75                          | 0.50        | 1.50      | 1.00            | 49.60      | 14.15     | 8.62       | 39.65    | 7.30        |                     |
| BH6-0336   | 613920               | 8693923               | 7.6       | 3.50                          | 0.25        | 2.00      | 1.75            | 51.63      | 12.74     | 7.34       | 40.57    | 6.46        |                     |
| BH6-0337   | 614075               | 8693922               | 7.8       | 3.75                          | 0.25        | 2.50      | 2.25            | 51.91      | 12.40     | 6.76       | 42.33    | 6.33        |                     |
| BH6-0338   | 615211               | 8693922               | 8.5       | 2.25                          | 0.50        | 1.25      | 0.75            | 52.43      | 10.35     | 9.43       | 43.23    | 5.03        |                     |
| BH6-0339   | 615357               | 8693921               | 7.6       | 2.75                          | 0.25        | 2.25      | 2.00            | 52.64      | 10.81     | 8.20       | 41.53    | 5.83        |                     |
| BH6-0340   | 615520               | 8693922               | 8.8       | 3.25                          | 0.50        | 2.00      | 1.50            | 52.70      | 13.47     | 6.18       | 41.07    | 6.80        |                     |
| BH6-0340A  | 615520               | 8693922               | 8.8       | 3.25                          | 0.50        | 2.00      | 1.50            | 52.10      | 14.28     | 5.63       | 40.67    | 7.27        |                     |
| BH6-0341   | 615683               | 8693923               | 7.8       | 2.75                          | 0.50        | 1.50      | 1.00            | 52.00      | 14.40     | 5.47       | 40.80    | 7.70        |                     |
| BH6-0342   | 611844               | 8694085               | 7.8       | 2.25                          | 0.50        | 2.00      | 1.50            | 50.70      | 13.70     | 9.23       | 38.80    | 6.20        |                     |
| BH6-0343   | 611996               | 8694086               | 7.9       | 2.00                          | 0.50        | 1.25      | 0.75            | 49.70      | 15.77     | 8.92       | 37.23    | 7.30        |                     |
| BH6-0345   | 612319               | 8694092               | 6.9       | 3.00                          | 0.50        | 2.00      | 1.50            | 50.20      | 13.80     | 7.65       | 39.60    | 7.00        |                     |
| BH6-0346   | 612479               | 8694087               | 7.8       | 2.25                          | 0.50        | 1.75      | 1.25            | 53.10      | 12.85     | 6.52       | 42.90    | 5.90        |                     |
| BH6-0347   | 612635               | 8694091               | 8.3       | 2.75                          | 0.50        | 2.00      | 1.50            | 48.23      | 14.47     | 11.48      | 36.27    | 8.43        |                     |
| BH6-0348   | 612795               | 8694085               | 8.0       | 2.25                          | 0.25        | 0.75      | 0.50            | 47.96      | 17.30     | 9.60       | 34.25    | 8.30        |                     |
| BH6-0349   | 612960               | 8694082               | 7.9       | 3.25                          | 0.50        | 2.50      | 2.00            | 50.87      | 16.88     | 5.70       | 40.00    | 7.58        |                     |
| BH6-0350   | 613591               | 8694082               | 8.4       | 3.50                          | 1.00        | 3.00      | 2.00            | 51.54      | 14.74     | 6.32       | 40.18    | 6.70        |                     |
| BH6-0351   | 613763               | 8694080               | 7.8       | 3.50                          | 1.00        | 2.00      | 1.00            | 49.55      | 12.85     | 10.03      | 40.10    | 7.20        |                     |
| BH6-0352   | 613918               | 8694090               | 7.9       | 3.00                          | 0.50        | 2.50      | 2.00            | 51.70      | 11.35     | 7.85       | 41.80    | 6.80        |                     |
| BH6-0353   | 614074               | 8694073               | 7.3       | 1.75                          | 0.50        | 1.00      | 0.50            | 49.10      | 13.25     | 9.75       | 39.60    | 6.50        |                     |



| Drill Hole | Easting<br>MGA94 Z54 | Northing<br>MGA94 Z54 | RL<br>(m) | Total<br>Hole<br>Depth<br>(m) | From<br>(m) | To<br>(m) | Interval<br>(m) | %<br>Al2O3 | %<br>SiO2 | %<br>Fe2O3 | %<br>THA | %<br>R <sub>x</sub> SiO <sub>2</sub> | Relative<br>Density |
|------------|----------------------|-----------------------|-----------|-------------------------------|-------------|-----------|-----------------|------------|-----------|------------|----------|--------------------------------------|---------------------|
| BH6-0354   | 614234               | 8694072               | 7.0       | 3.25                          | 0.75        | 2.75      | 2.00            | 51.70      | 12.05     | 9.22       | 40.40    | 6.20                                 | 1.98                |
| BH6-0355   | 615194               | 8694083               | 8.5       | 1.75                          | 0.25        | 1.25      | 1.00            | 51.40      | 7.76      | 12.40      | 41.90    | 5.00                                 |                     |
| BH6-0357   | 615519               | 8694085               | 7.7       | 3.50                          | 1.00        | 2.50      | 1.50            | 47.41      | 16.48     | 10.09      | 34.35    | 8.90                                 |                     |
| BH6-0358   | 615683               | 8694094               | 7.0       | 2.75                          | 1.00        | 2.00      | 1.00            | 51.10      | 13.30     | 8.34       | 39.30    | 8.00                                 |                     |
| BH6-0363   | 613922               | 8694245               | 6.7       | 4.00                          | 0.50        | 3.00      | 2.50            | 50.01      | 14.19     | 7.42       | 40.59    | 6.86                                 |                     |
| BH6-0364   | 615362               | 8694242               | 8.5       | 3.75                          | 0.50        | 2.50      | 2.00            | 51.90      | 12.63     | 7.75       | 41.65    | 5.70                                 |                     |
| BH6-0365   | 615536               | 8694241               | 7.6       | 3.00                          | 0.75        | 2.00      | 1.25            | 52.44      | 12.08     | 6.59       | 41.92    | 5.90                                 |                     |
| BH6-0365A  | 615536               | 8694241               | 7.6       | 3.00                          | 0.50        | 2.00      | 1.50            | 47.62      | 13.91     | 12.20      | 35.72    | 7.30                                 |                     |
| BH6-0367   | 615364               | 8694407               | 7.6       | 4.25                          | 0.50        | 2.50      | 2.00            | 52.07      | 11.89     | 9.38       | 38.99    | 5.75                                 |                     |
| BH6-0368   | 615522               | 8694410               | 7.4       | 1.25                          | 0.40        | 0.50      | 0.10            | 46.67      |           |            |          |                                      |                     |
| BH6-0370   | 614081               | 8694570               | 7.8       | 1.00                          | 0.50        | 0.75      | 0.25            | 41.99      |           |            | 27.62    |                                      |                     |
| BH6-0371   | 614247               | 8694567               | 0.1       | 3.00                          | 0.75        | 2.00      | 1.25            | 47.62      | 14.30     | 11.54      | 34.96    | 9.24                                 |                     |
| BH6-0371A  | 614247               | 8694567               | 0.1       | 3.00                          | 0.50        | 2.00      | 1.50            | 49.27      | 15.20     | 8.81       | 36.37    | 8.57                                 |                     |
| BH6-0372   | 614416               | 8694564               | 8.7       | 3.50                          | 0.75        | 3.25      | 2.50            | 47.93      | 17.03     | 7.94       | 36.31    | 8.88                                 |                     |
| BH6-0373   | 615515               | 8694563               | 8.2       | 3.00                          | 0.75        | 2.00      | 1.25            | 50.38      | 15.32     | 6.79       | 38.62    | 7.40                                 |                     |
| BH6-0377   | 614237               | 8694714               | 9.6       | 1.50                          | 0.50        | 0.75      | 0.25            | 40.60      | 19.30     | 18.25      | 27.20    | 9.30                                 |                     |
| BH6-0378   | 614400               | 8694722               | 7.2       | 1.25                          | 0.50        | 0.75      | 0.25            | 48.36      | 11.80     | 14.45      | 32.57    | 8.20                                 |                     |
| BH6-0379   | 615513               | 8694730               | 8.1       | 3.75                          | 1.00        | 3.25      | 2.25            | 51.70      | 11.50     | 8.67       | 39.70    | 7.40                                 |                     |
| BH6-0382   | 614074               | 8694883               | 8.8       | 2.50                          | 1.00        | 2.00      | 1.00            | 50.20      | 9.38      | 11.95      | 41.00    | 6.20                                 |                     |
| BH6-0383   | 614237               | 8694887               | 7.4       | 2.50                          | 0.50        | 1.50      | 1.00            | 52.40      | 10.20     | 8.87       | 39.40    | 6.20                                 |                     |
| BH6-0384   | 614403               | 8694883               | 7.0       | 2.75                          | 0.25        | 2.25      | 2.00            | 53.84      | 8.39      | 8.12       | 42.46    | 5.91                                 |                     |
| BH6-0388   | 614073               | 8695045               | 8.5       | 2.25                          | 0.50        | 1.75      | 1.25            | 53.86      | 9.44      | 6.27       | 44.74    | 5.92                                 |                     |
| BH6-0389   | 614243               | 8695038               | 7.4       | 4.00                          | 0.50        | 2.50      | 2.00            | 50.45      | 11.55     | 10.57      | 36.55    | 6.80                                 |                     |
| BH6-0390   | 614394               | 8695040               | 8.0       | 2.50                          | 0.25        | 1.25      | 1.00            | 52.60      | 12.05     | 8.88       | 36.42    | 5.88                                 |                     |
| BH6-0391   | 614558               | 8695043               | 7.9       | 4.00                          | 0.75        | 3.75      | 3.00            | 49.37      | 9.47      | 12.98      | 38.41    | 6.80                                 |                     |
| BH6-0395   | 613765               | 8695205               | 8.1       | 0.75                          | 0.50        | 0.60      | 0.10            | 30.85      |           |            | 28.70    | 24.70                                |                     |
| BH6-0396   | 613925               | 8695208               | 8.6       | 3.00                          | 0.50        | 2.00      | 1.50            | 50.57      | 14.78     | 6.63       | 38.77    | 8.40                                 |                     |
| BH6-0397   | 614086               | 8695211               | 9.5       | 2.75                          | 0.25        | 2.25      | 2.00            | 53.38      | 7.87      | 9.66       | 42.98    | 5.09                                 | 2.28                |
| BH6-0398   | 614239               | 8695208               | 6.6       | 2.50                          | 0.25        | 1.75      | 1.50            | 49.25      | 15.73     | 9.89       | 30.27    | 7.35                                 |                     |
| BH6-0399   | 614399               | 8695208               | 7.4       | 2.50                          | 0.25        | 2.25      | 2.00            | 52.80      | 9.88      | 8.56       | 40.40    | 6.40                                 |                     |
| BH6-0400   | 614561               | 8695198               | 8.1       | 2.75                          | 0.75        | 1.75      | 1.00            | 43.98      | 13.14     | 19.55      | 26.83    | 8.93                                 |                     |
| BH6-0402   | 613750               | 8695358               | 7.1       | 2.50                          | 0.50        | 1.75      | 1.25            | 50.78      | 11.94     | 9.21       | 39.78    | 6.98                                 |                     |
| BH6-0403   | 613912               | 8695359               | 6.5       | 1.50                          | 0.45        | 0.50      | 0.05            | 41.50      | 21.20     | 15.85      | 26.20    | 8.60                                 |                     |
| BH6-0404   | 614073               | 8695364               | 5.3       | 1.75                          | 0.25        | 1.00      | 0.75            | 46.53      | 13.09     | 16.12      | 32.63    | 6.50                                 |                     |
| BH6-0405   | 614236               | 8695359               | 6.7       | 1.25                          | 0.25        | 0.75      | 0.50            | 46.00      | 15.57     | 14.48      | 28.45    | 8.95                                 |                     |
| BH6-0406   | 614395               | 8695367               | 6.8       | 3.00                          | 0.50        | 2.00      | 1.50            | 53.70      | 7.58      | 9.47       | 40.63    | 4.87                                 |                     |
| BH6-0406A  | 614395               | 8695367               | 6.8       | 3.00                          | 0.50        | 2.00      | 1.50            | 53.67      | 8.28      | 8.88       | 41.88    | 5.32                                 |                     |
| BH6-0407   | 614555               | 8695363               | 6.8       | 2.75                          | 0.50        | 2.25      | 1.75            | 50.36      | 12.34     | 9.13       | 39.39    | 6.66                                 |                     |
| BH6-0408   | 613433               | 8695522               | 6.2       | 1.25                          | 0.50        | 0.75      | 0.25            | 47.56      | 18.20     | 10.75      | 31.68    | 8.10                                 |                     |
| BH6-0409   | 613606               | 8695531               | 6.4       | 5.75                          | 1.00        | 3.00      | 2.00            | 42.20      | 22.32     | 13.06      | 27.55    | 9.63                                 |                     |
| BH6-0410   | 613747               | 8695528               | 6.9       | 3.25                          | 0.25        | 1.50      | 1.25            | 47.17      | 13.29     | 14.73      | 33.81    | 7.88                                 |                     |
| BH6-0411   | 613911               | 8695531               | 4.9       | 3.00                          | 0.25        | 2.25      | 2.00            | 52.42      | 9.36      | 9.10       | 41.90    | 5.61                                 |                     |

| Drill Hole | Easting<br>MGA94 Z54 | Northing<br>MGA94 Z54 | RL<br>(m) | Total<br>Hole<br>Depth<br>(m) | From<br>(m) | To<br>(m) | Interval<br>(m) | %<br>Al2O3 | %<br>SiO2 | %<br>Fe2O3 | %<br>THA | %<br>R <sub>x</sub> SiO <sub>2</sub> | Relative<br>Density |
|------------|----------------------|-----------------------|-----------|-------------------------------|-------------|-----------|-----------------|------------|-----------|------------|----------|--------------------------------------|---------------------|
| BH6-0412   | 614081               | 8695528               | 7.0       | 2.75                          | 0.25        | 2.25      | 2.00            | 54.31      | 7.04      | 8.76       | 44.25    | 4.55                                 |                     |
| BH6-0413   | 614239               | 8695519               | 8.1       | 1.50                          | 0.25        | 0.75      | 0.50            | 50.70      | 10.29     | 12.75      | 34.75    | 6.65                                 |                     |
| BH6-0414   | 614402               | 8695528               | 7.1       | 3.25                          | 0.25        | 2.75      | 2.50            | 49.77      | 12.24     | 12.98      | 32.88    | 6.61                                 |                     |
| BH6-0415   | 614556               | 8695528               | 9.7       | 3.50                          | 0.25        | 3.00      | 2.75            | 49.65      | 11.10     | 12.26      | 35.96    | 6.60                                 |                     |
| BH6-0416   | 613438               | 8695680               | 6.8       | 1.75                          | 0.70        | 1.00      | 0.30            | 46.60      | 17.85     | 9.25       | 34.50    | 10.20                                |                     |
| BH6-0417   | 613601               | 8695677               | 7.6       | 3.00                          | 0.50        | 1.50      | 1.00            | 49.50      | 11.05     | 12.35      | 36.10    | 7.90                                 |                     |
| BH6-0418   | 613756               | 8695683               | 5.9       | 2.75                          | 0.25        | 2.00      | 1.75            | 50.16      | 13.48     | 8.48       | 38.76    | 6.76                                 |                     |
| BH6-0419   | 613920               | 8695678               | 5.3       | 3.00                          | 0.50        | 2.00      | 1.50            | 50.77      | 11.06     | 10.76      | 37.65    | 6.40                                 |                     |
| BH6-0420   | 614070               | 8695688               | 6.6       | 2.00                          | 0.50        | 1.00      | 0.50            | 48.50      | 13.05     | 12.85      | 32.00    | 8.80                                 |                     |
| BH6-0421   | 614235               | 8695686               | 8.4       | 3.00                          | 0.50        | 2.00      | 1.50            | 51.47      | 11.07     | 9.41       | 39.10    | 6.60                                 |                     |
| BH6-0422   | 614395               | 8695684               | 8.7       | 1.25                          | 0.45        | 0.50      | 0.05            | 47.00      |           |            |          |                                      |                     |
| BH6-0423   | 613439               | 8695841               | 8.4       | 3.25                          | 0.50        | 2.25      | 1.75            | 49.00      | 16.45     | 7.27       | 36.80    | 9.00                                 |                     |
| BH6-0424   | 613602               | 8695847               | 7.8       | 3.50                          | 0.50        | 2.00      | 1.50            | 51.83      | 13.83     | 7.37       | 39.43    | 6.53                                 |                     |
| BH6-0425   | 613771               | 8695843               | 5.7       | 2.00                          | 0.50        | 1.25      | 0.75            | 53.40      | 6.73      | 10.00      | 42.90    | 3.60                                 |                     |
| BH6-0426   | 613936               | 8695844               | 5.6       | 3.50                          | 0.25        | 2.00      | 1.75            | 49.97      | 12.90     | 9.74       | 38.59    | 6.90                                 |                     |
| BH6-0427   | 614076               | 8695848               | 9.3       | 4.25                          | 0.50        | 3.75      | 3.25            | 49.10      | 12.20     | 11.80      | 34.70    | 7.50                                 | 2.11                |
| BH6-0428   | 614244               | 8695852               | 9.7       | 2.00                          | 0.50        | 1.00      | 0.50            | 49.30      | 11.00     | 14.03      | 35.05    | 6.20                                 |                     |
| BH6-0430   | 613438               | 8696001               | 7.6       | 2.25                          | 0.50        | 1.00      | 0.50            | 46.60      | 17.30     | 10.05      | 34.50    | 8.40                                 |                     |
| BH6-0431   | 613594               | 8695993               | 7.1       | 3.50                          | 0.50        | 2.25      | 1.75            | 54.30      | 12.22     | 6.55       | 40.56    | 4.91                                 |                     |
| BH6-0432   | 613749               | 8696005               | 5.5       | 2.75                          | 0.25        | 2.00      | 1.75            | 53.20      | 8.74      | 8.80       | 41.44    | 5.09                                 |                     |
| BH6-0433   | 613905               | 8696003               | 4.6       | 5.00                          | 0.25        | 3.50      | 3.25            | 51.11      | 9.28      | 11.03      | 40.95    | 5.49                                 |                     |
| BH6-0433A  | 613905               | 8696003               | 4.6       | 5.00                          | 0.25        | 3.50      | 3.25            | 48.94      | 11.51     | 13.31      | 36.30    | 5.47                                 |                     |
| BH6-0434   | 614069               | 8696002               | 8.4       | 2.25                          | 0.25        | 1.00      | 0.75            | 49.77      | 8.86      | 14.10      | 39.43    | 6.63                                 |                     |
| BH6-0435   | 614229               | 8695999               | 1.6       | 2.25                          | 0.50        | 1.00      | 0.50            | 50.30      | 16.15     | 6.29       | 38.80    | 7.40                                 |                     |
| BH6-0437   | 613445               | 8696175               | 5.8       | 2.25                          | 0.50        | 1.50      | 1.00            | 48.10      | 16.85     | 7.89       | 34.60    | 10.50                                |                     |
| BH6-0438   | 613615               | 8696162               | 5.6       | 3.00                          | 0.25        | 1.50      | 1.25            | 53.76      | 9.43      | 7.07       | 44.36    | 5.34                                 |                     |
| BH6-0439   | 613756               | 8696169               | 6.0       | 2.75                          | 0.25        | 1.75      | 1.50            | 49.38      | 12.83     | 10.64      | 37.56    | 7.13                                 |                     |
| BH6-0440   | 613914               | 8696166               | 4.7       | 3.00                          | 0.25        | 1.50      | 1.25            | 49.72      | 14.32     | 8.45       | 38.04    | 5.94                                 |                     |
| BH6-0441   | 614083               | 8696170               | 7.6       | 2.00                          | 0.25        | 1.50      | 1.25            | 52.63      | 10.02     | 8.81       | 41.91    | 5.78                                 |                     |
| BH6-0444   | 613449               | 8696311               | 6.1       | 3.75                          | 0.25        | 1.75      | 1.50            | 48.82      | 12.22     | 11.06      | 39.18    | 6.10                                 |                     |
| BH6-0445   | 613594               | 8696314               | 6.2       | 2.25                          | 0.50        | 1.25      | 0.75            | 46.77      | 16.68     | 10.06      | 33.80    | 8.37                                 |                     |
| BH6-0446   | 613753               | 8696324               | 5.5       | 2.50                          | 0.25        | 1.00      | 0.75            | 48.03      | 15.07     | 9.88       | 36.17    | 6.10                                 |                     |
| BH6-0447   | 613903               | 8696324               | 6.4       | 2.50                          | 0.50        | 1.75      | 1.25            | 48.52      | 16.54     | 8.50       | 34.86    | 8.14                                 |                     |
| BH6-0448   | 614076               | 8696314               | 8.3       | 3.00                          | 0.50        | 1.75      | 1.25            | 48.34      | 14.08     | 10.54      | 36.80    | 7.48                                 |                     |
| BH6-0451   | 613595               | 8696484               | 6.9       | 2.50                          | 0.75        | 1.25      | 0.50            | 48.80      | 13.65     | 10.45      | 37.10    | 7.90                                 |                     |
| BH6-0452   | 613759               | 8696486               | 6.3       | 2.00                          | 0.75        | 1.50      | 0.75            | 47.86      | 12.97     | 12.23      | 36.40    | 7.93                                 |                     |
| BH6-0457   | 613605               | 8696643               | 5.6       | 2.75                          | 0.25        | 1.50      | 1.25            | 46.94      | 17.74     | 8.89       | 36.26    | 7.50                                 |                     |
| BH6-0461   | 614243               | 8696636               | 7.5       | 2.00                          | 0.50        | 1.00      | 0.50            | 46.80      | 16.95     | 9.91       | 34.10    | 10.10                                |                     |
| BH6-0464   | 613912               | 8696809               | 5.1       | 2.25                          | 0.50        | 1.00      | 0.50            | 51.80      | 13.75     | 5.77       | 40.80    | 8.00                                 |                     |
| BH6-0465   | 614076               | 8696799               | 7.6       | 2.50                          | 0.50        | 1.75      | 1.25            | 52.00      | 12.85     | 6.14       | 40.40    | 8.40                                 | 1.91                |