# 2019 Gold Exploration Project at Brandywine Claims

# Southwestern BC, Canada

# Quality Assurance – Quality Control Report

For

Bayhorse Silver Inc.

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## 1. Introduction

Brandywine Gold Project (the project) is in the province of British Columbia, Canada (Fig. 1). This project was identified of economic interest in early 2019 by Stewart Jackson, P.Geo., who is the principal exploration consultant for Bayhorse Silver Inc. (Bayhorse). Subsequently, the project was optioned to the company by private owner, Turnagain Resources Inc. Following the transaction, a field reconnaissance of main mineral showings and verification of historical diamond drilling results were undertaken between August and December 2019.

As required by exploration guidelines from Canadian Institute of Mining, Metallurgy and Petroleum (CIM), the QA and QC are an integral part of data verification. This part is summarized in this report. The main work activities were conducted in intervals between August 13 and September 24 under the supervision of Christopher Baldys P.Eng., Consulting Geologist, on behalf of Bayhorse Silver Inc. The works consisted of historical database study, verification of drill hole surveys and re-sampling of drill core from 2010 drilling program conducted by previous operator of the claims, Auramex Resource Corp.

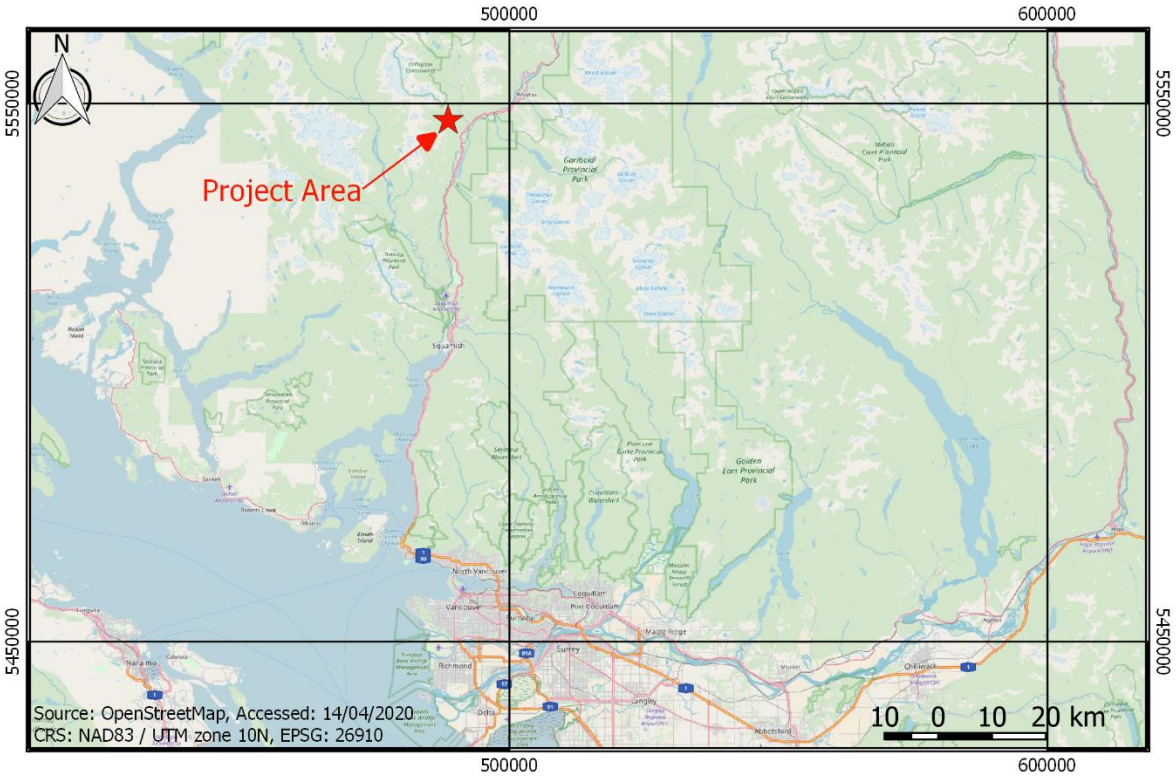



Figure 1. Brandywine project, general location map.

## 2. Geological Setting

The project area was mapped in detail by A. Sutherland Brown in 1989 (Figure 2). The geology comprises of two major rock groups: Lower Cretaceous units of the Callaghan Valley roof pendant and Early to Late Cretaceous units of the Coast Plutonic Complex of the Canadian Cordillera. In addition, the easternmost edge of the project area is made up of vesicular basalt of the Garibaldi Volcanics.

The Callaghan Valley roof pendant units are mainly in the northern half of the project area and are largely metamorphosed to greenschist facies. The rock types include: andesitic to dacitic flows, pyroclastic flows, occasional rhyolite and limestone. The units generally strike north-westerly and dip steeply in both, East and West, directions. The roof pendant sequence hosts showings of Volcanogenic Massive Sulfide (VMS) deposits which are recorded mainly North of the project area – the Tedi Pit showings. As noted by Dunn (2003) and Walus (2011), similar type of base metal dominated mineralization used to be mined in a coeval, located circa 40 km South of the project, rock sequence of the Gambier Group.

The Coast Plutonic Complex members occur in the southern half of the project area. The major rock types include: diorite, granodiorite, felsic and andesitic dykes. These units have an interfingering relation with the roof pendant sequence. The boundary between the two major rock groups is poorly resolved due to metasomatic character of the contacts. Epigenetic mineralization events are associated with this geological setting.

The project site is at the junction of three major regional faults trending 0°, 73° and 108° (Walus, 2011). According to Dunn (2003) and Walus (2011), the 73° trending faults are responsible for formation of Au and Ag-Pb-Zn mineralization. The identified mineral showings within the project area include: Main Showing, Silver Tunnel, Dave's Pond (DP), Quartz Tunnel, Stan, Dismounted Mill Site and No. 2 Adit. Similar type of structurally controlled mineralization used to be mined 4 km North of the Brandywine property, at the Northair Mine (Dunn, 2003 and Walus, 2011). This mine operated from 1974 to 1982 and produced 528,968 tonnes of ore grading 10.63g/t gold, 55.58 g/t silver, 1.13% lead and 1.54% zinc.

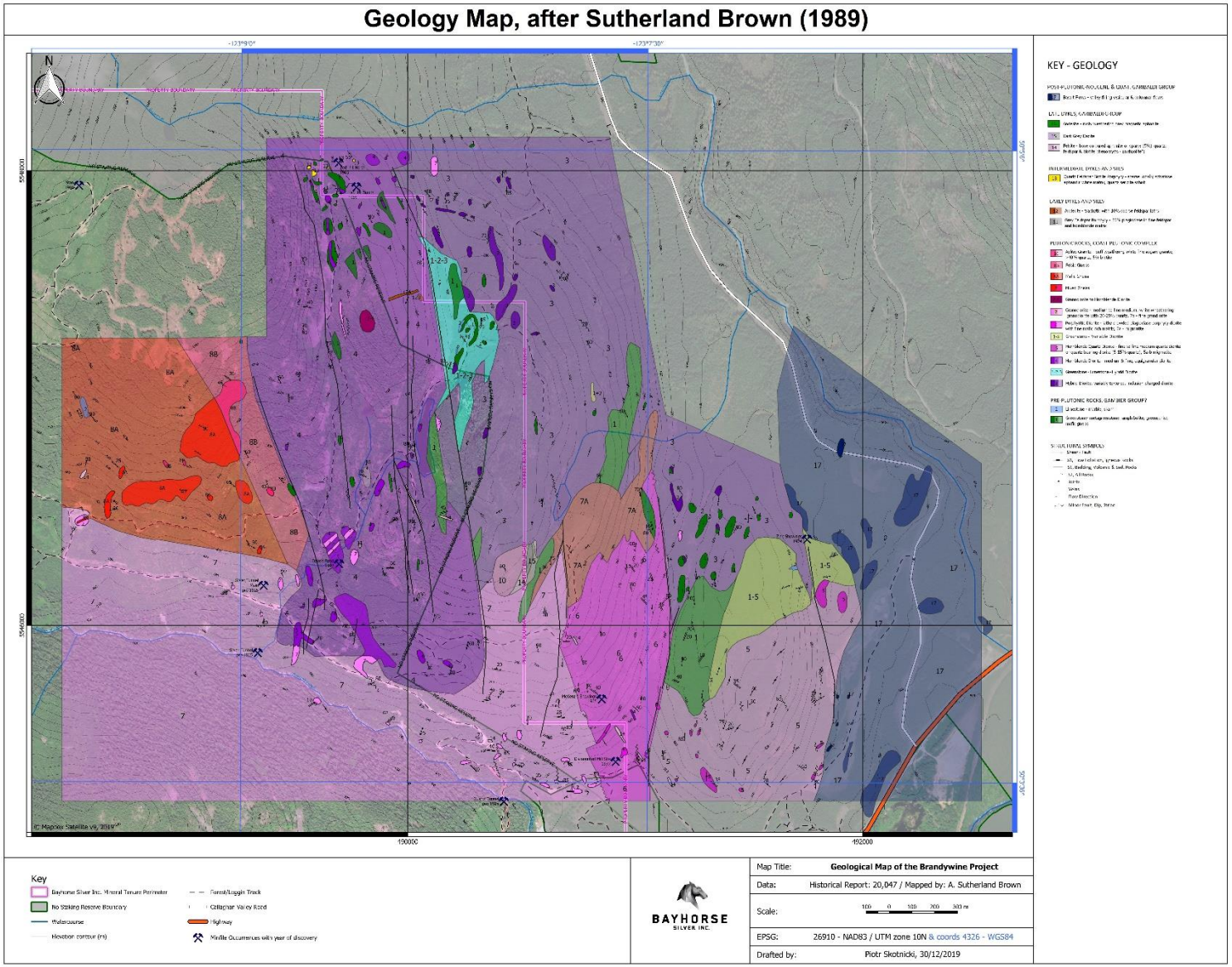



Figure 2. Geology Map after Sutherland Brown (1989).

## 3. Exploration History

Initial exploration in the Brandywine area started in 1920's. From 1965, the Brandywine area was focus of exploration for various recorded entities, namely: Van Silver Explorations Limited, Barkley Valley Mines, Noranda Exploration, Van Silver Mines Ltd., Cominco, Brandy Resources of the Northair group, Placer Dome, Dorex Minerals Inc., La Rock Mining Company, Auramex Resource Corp. ("Auramex") and Turnagain Resources.

The previous site operators identified the following mineral showings within the present project area: Main Showing, Dismounted Mill Site, Dave's Pond, Silver Tunnel, Quartz Tunnel, No. 2 Adit and Stan.

The most recent and well recorded historical data includes results of nine soil and rock geochemical surveys conducted from 1988 to 1995 by Placer Dome and Dorex Minerals Inc. In addition, from 1993 to 1995 La Rock Mining Company conducted a drilling program consisting of 134 short diamond drill holes (DDHs) totalling 9892.5 m. The drilling program was focused on the Dave's Pond zone and the resulting data was used for resource development. The 1993-1995 drill cores were partially re-sampled by David Dunn in 2002. The report that followed pointed out at lack of compliance with accepted sampling practices and recommended that the 1993-1995 core data should be disregarded (D. Dunn, 2002).

The Dave's Pond area was tested again using HQ-size diamond drilling in 2010 by Alojzy Walus on behalf of Auramex. The 2010 drilling program consisted of three short vertical holes with the total footage of 175.57 m. The program resulted in identification of several narrow, gold mineralized veins and stringers. The location of these holes is shown in Figure 3.

## 4. Verification of Reported Mineral Showings

Verification of reported Mineral Showings was planned and supervised by Christopher Baldys. The site evaluations were conducted by geologists - Christopher Baldys, Stewart Jackson, Piotr Skotnicki, Kris Raffle and mining engineer, Ralph McGreevy. Three field evaluation trips, lasting one to three days in duration, were conducted between August 18 and November 28, 2019.

The geological setting and mineralization within historically recorded showings were verified and specimen samples were collected. Initially, the centrally located claims were verified, namely: Dismounted Mill Site, Dave's Pond, Silver Tunnel (caved-in drift) and Quartz Tunnel (inaccessible adit). An example picture from this stage is in Figure 3. At a later stage, the location of the Westerly situated Stan showing was confirmed.

Location of one important showing, historically referred to as the Main Showing, was verified by Kris Raffle on November 28.




Figure 3. Kris Raffle (Apex) and Peter Skotnicki (author) during field evaluation of Dave's Pond and Main showings

## 5. Digitization of Historical Data

Historical data was digitized by Piotr Skotnicki and Ralph McGreevy.

The data consisted of: geochemical soil survey maps (1988, 1989, 1991, 1993, 1994 and 1995), geochemical rock sampling survey map from 1989, drill hole collar location map compiled by D. Dunn in 2002 and A. Walus drill hole collar records from 2010. The digitalization allowed for a better than before analysis of the data. This work resulted in clear delineation of gold-silver-base metal anomalies in eastern and north-western parts of the project area. In both cases, the geochemical soil anomalies shown a potential for continuity along the NW trend.

During digitisation of the 2010 DDHs collar data, discrepancies between the reported location of the collars were observed. In order to refine the collar location, the author of the original report was found and contacted. The author, A. Walus, verbally described the 2010 collar locations. These locations were scouted out in the field and the past collar remains were confirmed. The correct locations of the 2010 DDHs collars are provided in Figure 4 and Table 1.

Table 1.

| Hole ID | X reported on core log | Y reported on core log | X on re-referenced 2010 collar map | Y on re-referenced 2010 collar map | X confirmed | Y confirmed |
|---|---|---|---|---|---|---|
| **BRW 10-05** | 489697 | 5546273 | 489708 | 5546280 | 489730 | 5546268 |
| **BRW 10-06** | 489705 | 5546272 | 489722 | 5546260 | 489746 | 5546256 |
| **BRW 10-07** | 489700 | 5546266 | 489693 | 5546263 | 489716 | 5546261 |

Table 1. 2010 drill hole collar locations on core log, satellite image re-referenced collar map and in the field. Coordinate Reference System: NAD83 / UTM zone 10N, EPSG: 26910.

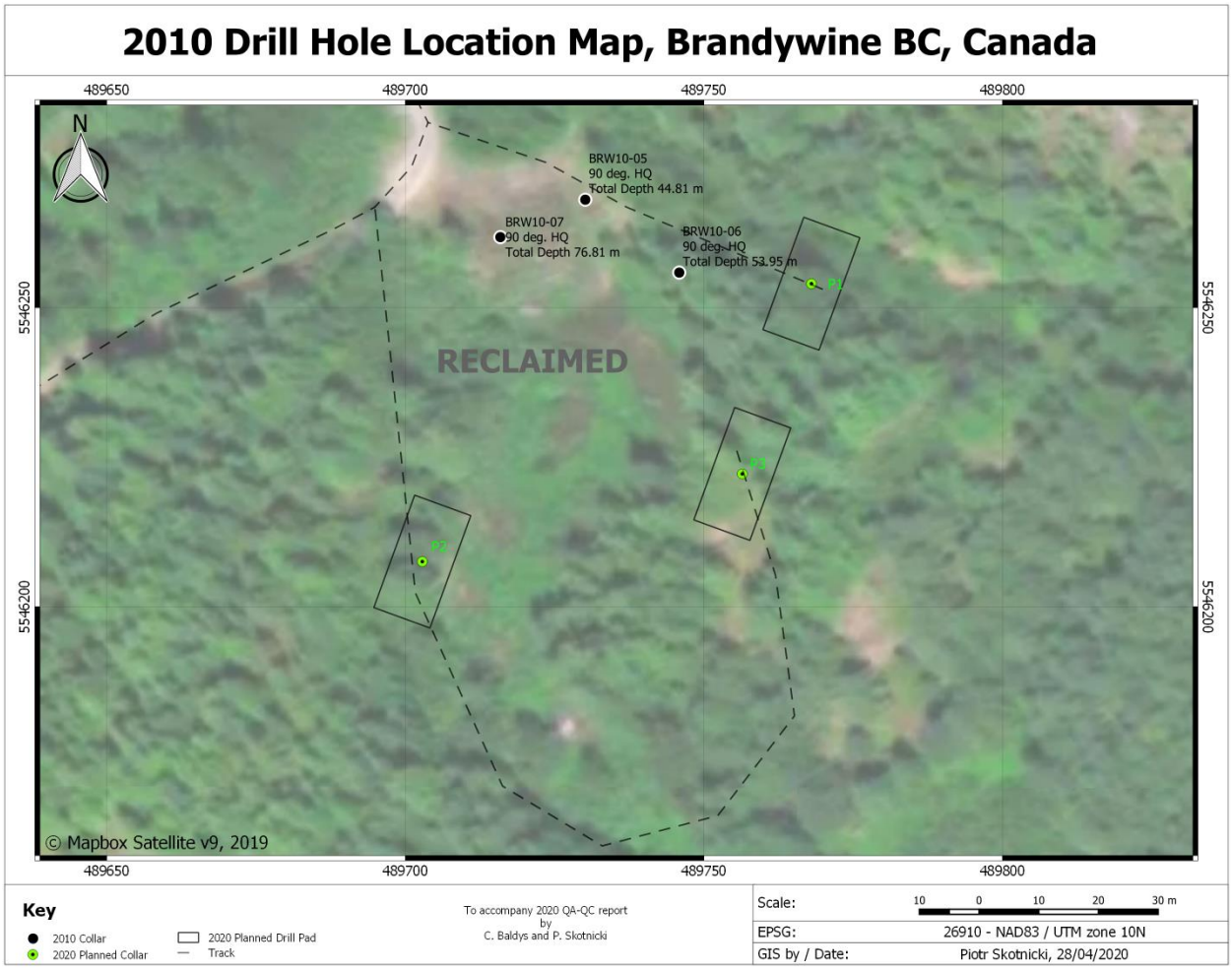



Figure 4. 2010 Drill hole location map.

## 6. 2019 Re-sampling and Re-analysis of 2010 Drill Core

The re-sampling and re-analysis program was designed to confirm the presence of gold-base metals mineralization in the 2010 drill core. In addition, the program was aimed to provide a more comprehensive, than the historical, overview of the gold mineralization.

The 2019 resampling and re-analysis was planned and supervised by Christopher Baldys. The work was conducted by Piotr Skotnicki (geologist) and Dakota Rohrer (geo-technician). The core from all holes exhibited generally good to very good recovery with rare poor recovery intervals (pictures of the core boxes are available in Appendix 2).

The lithology of the cores consisted of andesitic rocks intruded by diorite and felsite. The rocks were moderately chlorite-sericite altered. The core sections contained sporadic narrow veins, stringers and veinlets made up of various proportions of: carbonate, quartz, sulphides, hematite, epidote and chlorite. In general, the veins and veinlets were oriented at steep angles to core axis and the dominant trend (or set of strike directions) remains to be established. The mineralization, focused in the veins and veinlets, consisted of up to 3% pyrite, 7% galena, minor chalcopyrite and rare grains of gold.

## 7. QA-QC Objectives

The objective of quality assurance and quality control programs is to ensure that the data obtained from sampling, assaying and recording of geological information are of high integrity for the purpose of technical reporting on exploration results and, if warranted, to obtain resource and reserve estimates that are compliant with the accepted practices.

Quality Assurance (QA) could be described as error prevention measures, while Quality Control (QC) is designed for error detection. Quality Assurance during re-sampling programs refers to data collection and record keeping procedures while Quality Control consists of procedures allowing to ensure database integrity for geological interpretation and reporting.

The scope of QA-QC in mineral exploration is larger than in analytical geochemistry. It involves monitoring precision, accuracy, and potential contamination from sampling in the field, through sample preparation to analytical stage. The Qualified Person must discuss and describe the Sampling Method and Approach; Sample Preparation, Analyses, and Security and Data Verification.

## 8. QA-QC History

The 2010 drill program was supervised by Alojzy A. Walus, P.Geo. The core from the three boreholes was logged and sampled in accordance with accepted practices. The sampled intervals were selected based on core logging and visual observations of sulphide mineralization. These intervals were split in half using diamond core saw. In total 66 samples, measuring half of HQ-size core and 0.9 – 1.6 m in length, were obtained. The samples were analysed at ACME laboratory in Vancouver, BC. The analysis was by lead collection fire assay with AAS finish and was for gold only. The 2010 report does not mention the use of external control samples for geochemical analysis.

The core from 2010 sampling was stored in a secure warehouse in North Vancouver and was transferred to Bayhorse in good condition in September 2019. The pulps and rejects, originating from Acme Labs in 2010, were stored in bags at the same location as the core. These bags were not suitable for re-analysis due to signs of cross-contamination, i.e. visible puncturing resulting from transport and handling.

## 9. 2019 QA Monitoring and QC of Laboratory Analyses

The QA-QC program was set up and supervised by Christopher Baldys prior to the re-sampling program.

The program took into consideration the 2010 methodology and the 2010 results. Hence, allowing the 2019 program to attain results comparable with the past results and permitting evaluation of reproducibility of the two gold analyses.

The QA procedures for data collection, sampling, shipping and record keeping consisted of step by step sampling workflow described below and included insertion of control samples.

Analytical data became available on October 31, 2019. Following this, the data was validated, evaluated and verified by Christopher Baldys and Piotr Skotnicki in November 2019 and again in April 2020 for the purpose of this report.

The Use of Control Samples & Accredited Laboratory for Analytical Accuracy and Precision

Core samples were prepared for analysis and analysed at Activation Laboratories Ltd. (Actlabs) in Kamloops, BC. The laboratory procedures were used in accordance with accepted practices using quotes and signed contracts. Actlabs is an internationally recognised organisation with multiple commercial laboratories in different countries. Actlabs is certified by internationally recognised ISO/IEC 17025:2017 and ISO 9001:2015.

The 2019 re-sampling and re-analysis program involved the use of control samples for monitoring precision, accuracy, and potential contamination from sampling to analytical stage.

Precision was monitored via insertion of duplicate sample splits obtained at the lab after preparation stage ("duplicates"). The obtained data was subsequently evaluated using scatterplots, and the average coefficient of variation (CVavg(%)).

Accuracy was determined through the submission of Certified Reference Materials (CRMs) and was monitored using statistical comparisons. The CRMs comprised of one type of blank material, two types of materials containing gold at different concentrations, and one type of material containing gold, silver and copper. The weight of each of the submitted CRMs was 0.1 kg.

Sampling Method

The core was sampled following the 2010 sampling strategy. The sampling intervals were 0.9 m to 1.6 m. Each sample consisted of core recovered from a single drilling run. In other words, a single sample included material placed between two consecutive run blocks. The 2019 samples consisted of halves of the core which was not sampled in 2010 and approximately two-thirds of the core segments sampled in 2010. In total, 111 samples were collected. The sample weight, excluding the QA-QC samples, was from 2.68 kg to 8.29 kg.

The sampling consisted of the following steps:

- Design of the sample sequence with appropriately spaced QA-QC samples. The sequence involved 3 types of Certified Reference Material (CRM) and one type of blank material.
- The core was wetted and photographed.
- The core material was always split using a safely operated core saw.
- Half of the core material was placed back in the designated position in the core box with sample number tag stapled onto the core box. In zones characterized by good core quality, the core was re-pieced.
- The other half of the core was placed with a sample tag in a prelabelled with sample number polyethylene bag and securely closed with a plastic zip tie.
- The unmarked QA-QC pulp samples (CRMs) were inserted following the sampling sequence design.
- 10 to 15 sampling bags with consecutive sample numbers were placed in large plastic bags prelabelled with the sender's name and address, destination's name and address, the numbers of the first and the last sample in the bag, and the number of samples in the bag.
- Dispatch sheet informing about the contents of the bags and the requested analytical work was placed in each bag before closing with a plastic zip tie.
- The dispatch sheet included instructions regarding preparation of duplicates of specified samples.
- In addition to information on the dispatch sheet, the requested laboratory work was communicated to Actlabs in an email confirmed over a phone call.

Core and Sample Handling

Core handling comprised of temporary storage, movement of individual core pieces for visual analysis and cutting, transferring the core boxes to storage and work facilities. The procedures consisted of the following:

- Temporary and permanent storage facilities were inspected with focus on safety and suitability prior to transfer of the core.
- Core was transferred to temporary storage facility using commercial shipping services. Subsequently, the core was transferred to work facility and further to long term storage facility (McGuire St. private yard south of Whistler, pictured in Appendix 3). After the sample collection, the samples were transported by commercial vehicle to Activation Laboratories Ltd. (Actlabs) in Kamloops, BC. The core boxes and the samples were transferred in a secured position, preventing cross contamination.
- Prior to work with individual core pieces, the core boxes from each hole were aligned on the floor in ascending order. At the same time, the condition and position of the core in the box were assessed.
- Individual core pieces were moved one at a time and in a fixed position.

Sample Preparation and Analysis

All 111 samples were pulverized and analysed for gold using 30g fire assay with Atomic Absorption Spectrometry finish (AA). In addition, the pulp material was analyzed for 44 elements by 4 acid digestion (hydrofluoric acid, mixture of nitric and perchloric acids, and solution of hydrochloric and nitric acids) with Inductively Coupled Plasma Mass Spectrometry finish (ICP-MS).

The analysis for gold with AA finish proved to have insufficient upper analytical limit for two samples. These samples were re-analysed using gravimetric finish technique. In addition, 50 selected samples were analysed for gold using fire assay with metallic screening. This technique was utilised during the 2019 program due to its increased sensitivity with samples where coarse gold grains were expected.

The sample prep procedures are described below.

- The prep procedure for all samples consisted of drying at 60°C, crushing 80% to <2 mm, splitting and pulverising 95% to <74 µm. The obtained pulp was analysed using the fire

assay with atomic absorption spectrometry (AA) finish technique (30 g pulp samples) and by the multi-element analytical suite (0.25 g sample was digested by 4 acids).

- The prep procedure for fire assay with metallic screening consisted of sieving approximately 1000 g sample split at 150 µm. The fire assays were performed on the entire +150 µm fraction and 2 splits of the -150 µm mesh fraction. The total amount of sample and the plus and minus sieve fractions were weighed for assay reconciliation. Measured amounts of cleaner sand were used between samples and saved to test for possible plating out of gold on the mill.
- The prep procedure for gravimetric finish consisted of separation of gold from silver in the doré bead by parting with nitric acid. The resulting gold flake was annealed using a torch.

Data Storage and Handling

During the duration of core sampling, the daily records were stored in a field notebook. At the end of each day this information was digitised into a spreadsheet stored on a secured hard drive and in a backup cloud server. The analytical results were added to the spreadsheet as soon as they became available. Tabularised version of the results is available in Appendix 1. In addition, a backup sample tag book was maintained and kept for future reviews.

Performance of external Certified Reference Materials

In total, four external, non-blank CRMs were used for assessment of accuracy of gold analysis by Fire Assay with Atomic Absorption (AA) finish. The certified components of three inserted CRMs consisted of gold only and one included gold, copper and silver (Table 2). In the context of gold, four out of six CRMs yielded results within the certified limits. These samples passed the accuracy test. Two samples, from two different CRM types, failed the test. However, the failure for the two samples in questions, was marginal (Table 2). The utilised CRMs, including the samples that did not pass the test, yielded results above the mean certified concentration of gold. Thus, highlighting that the accuracy error in the range of up to 0.1 ppm Au, that was found to be positively skewed. The CRM used for assessment of accuracy of silver and copper

analysis yielded results within the certified concentrations. Considering the two elements, the CRM passed the accuracy test.

| Analyte | | | | | Au | Ag | Cu | Cu | Pass (P)/ Fail (F) |
|---|---|---|---|---|---|---|---|---|---|
| Analysis Method | | | | | *FA-AA* | *TD-MS* | *TD-MS* | *ICPOEs* | |
| | | Cert. Au | Cert. Ag | Cert. Cu | | | | | |
| Unit | | g/t | g/t | % | ppb | ppm | ppm | % | |
| Sample # | CRM Symbol | | | | | | | | |
| 717575 | CDN-GS-4F | 3.83 ± 0.24 | | | 4180 | | | | F |
| 717650 | CDN-GS-4F | 3.83 ± 0.24 | | | 4030 | | | | P |
| 717600 | CDN-GS-1W | 1.063 ± 0.076 | | | 1080 | | | | P |
| 717625 | CDN-CM-41 | 1.6 ± 0.15 | 8 ± 1 | 1.71 ± 0.05 | 1840 | 8.5 | > 10000 | 1.74 | F, P, P |

Table 2. Performance of external CRMs, gold.

Performance of external blank samples

One type of external blank material was utilized for assessment of analytical accuracy. This material was certified as a blank only for gold. The material was inserted into the sampling sequence twice (Table 3.). Results of both samples with the blank material returned concentrations below the detection limits hence, passing the accuracy test.

| Analyte | | Cert. Au | Au |
|---|---|---|---|
| Analysis Method | | *30 g FA / Instrumental* | *FA-AA* |
| Unit | | g/t | ppb |
| Sample # | CRM Symbol | | |
| 717580 | CDN-BL-10 | <0.01 | <5 |
| 717640 | CDN-BL-10 | <0.01 | <5 |

Table 3. Performance of external blanks, gold.

Performance of duplicate pulp splits

In total, nine pulp duplicates were prepared at the lab from crushed samples to assess the quality of preparation procedures and precision of the gold analyses by FA-AA method. Most of the repeat results yielded analytical discrepancies within a few ppb of the primary readings. Only one sample performed visually worse than the others, with 56 ppb difference between the two results. Although this discrepancy is visually significant on the below quantile-quantile plot, its magnitude is practically marginal. Overall, in terms of analytical error expressed in analytical units, i.e. ppb, the samples performed to the highest standards (Figure 5,Table 4).

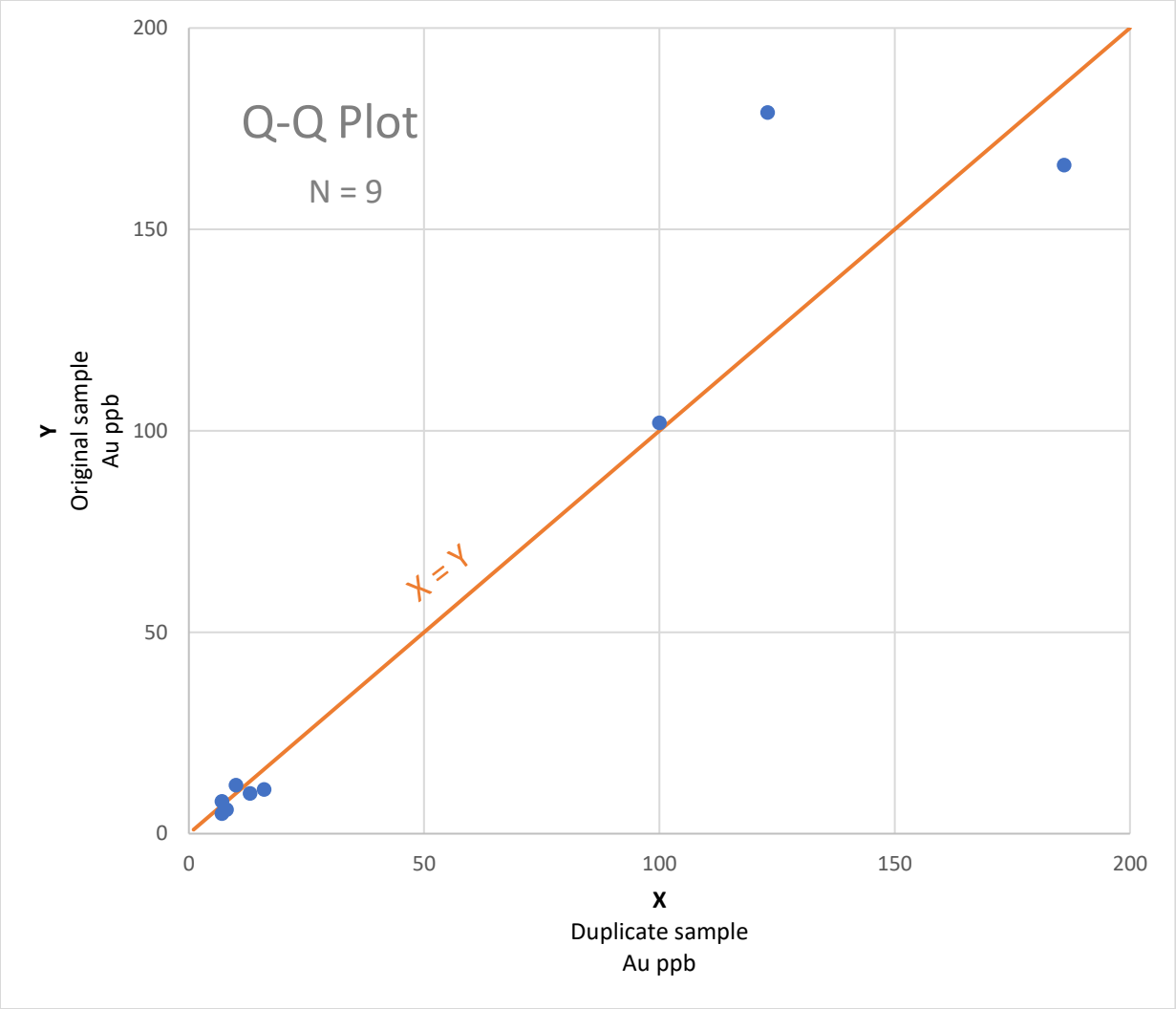



Figure 5. Performance of 2019 duplicates, Quantile-Quantile plot.

The relative performance of duplicates was evaluated using the average coefficient of variation (Table 4). The average coefficient of variation multiplied by 2*100 provides a measure of precision expressed in percentage (Pr%), otherwise known as relative error. The higher the relative error (Pr%) the lower the precision. The Pr% derived from the duplicate data is approximately 40% in the lower-grade groups and approximately 30% in the higher-grade group (Figure 6 and Table 4). This pattern of decreasing average relative error with the increasing grade is typical. In the case of this technique and the small spread of the results, the achieved Pr% is indicative of a very high analytical precision.

| Orig. Au ppb | Dup. Au ppb | Absolute diff. | Average | St. Dev. | CV | Pr% | Group Grade |
|---|---|---|---|---|---|---|---|
| 7 | 5 | 2 | 6 | 1.4142 | 0.2357 | 37.4630 | 6.8333 |
| 8 | 6 | 2 | 7 | 1.4142 | 0.2020 | | |
| 7 | 8 | 1 | 7.5 | 0.7071 | 0.0943 | | |
| 10 | 12 | 2 | 11 | 1.4142 | 0.1286 | 39.8568 | 12.0000 |
| 13 | 10 | 3 | 11.5 | 2.1213 | 0.1845 | | |
| 16 | 11 | 5 | 13.5 | 3.5355 | 0.2619 | | |
| 100 | 102 | 2 | 101 | 1.4142 | 0.0140 | 31.7115 | 142.6667 |
| 123 | 179 | 56 | 151 | 39.5980 | 0.2622 | | |
| 186 | 166 | 20 | 176 | 14.1421 | 0.0804 | | |

Table 4. Precision % table for 2019 duplicate pulp splits.

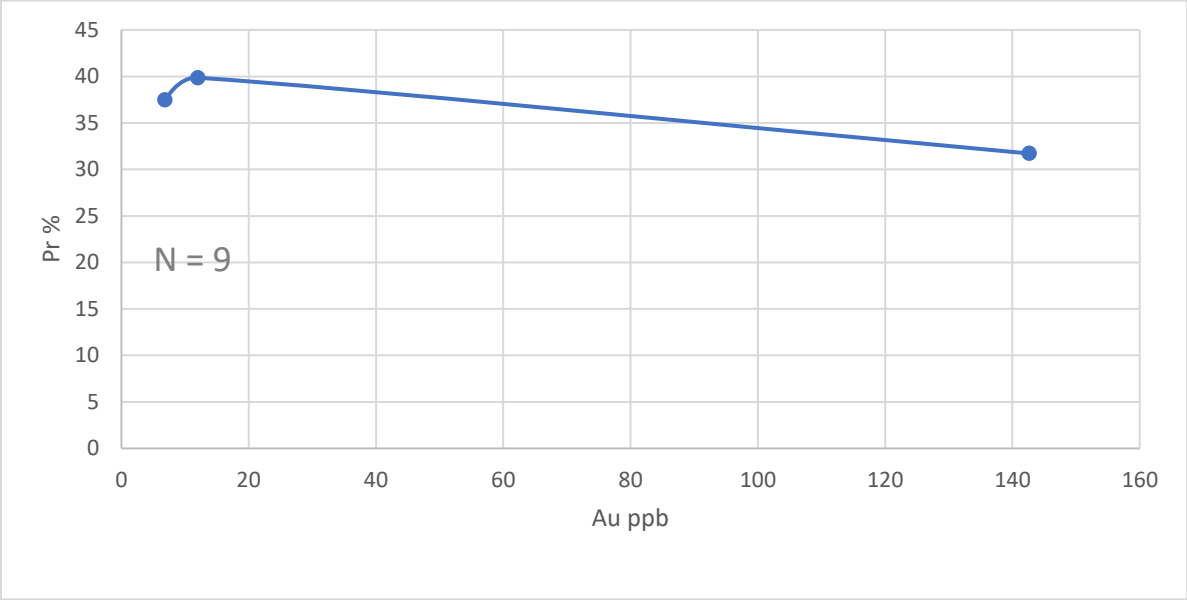



Figure 6. Graph of Precision % (relative error) vs. average gold grade, 2019 duplicate data.

Performance of internal control samples (CRMs) inserted by Actlabs

For internal accuracy monitoring procedures, Actlabs used multiple different types of control samples. These were used across all utilized techniques and included CRMs and blank material. The control samples are inserted into the analytical stream which may consist of samples from various clients when the number of samples is small. The purpose of these samples was to monitor accuracy not only for this re-sampling program, but throughout the entire day during which the analyses were performed. The entire results of both, the CRMs and the blank material runs, are available in Appendix 1.

Two types of CRMs and one type of blank were used for accuracy monitoring in FA-AA technique (Table 5). The two types of CRMs performed well (Figures 7 and 8). On average, one type of CRM

yielded a marginal positive error, and the other a marginal negative error. Measurements on all the samples with blank material returned passing results, i.e. below the detection limit.

| CRM Symbol | Analysis Method | Cert. Au ppb | No. of inserts | Min. Measured ppb | Max. Measured ppb | Mean | Median |
|---|---|---|---|---|---|---|---|
| **OREAS 222** | FA-AA | 1220 ± 33 | 9 | 1130 | 1200 | 1180 | 1180 |
| **OREAS 255** | FA-AA | 4080 ± 87 | 9 | 4100 | 4230 | 4153.33 | 4150 |
| **BLANK** | FA-AA | BLANK | 17 | <5 | <5 | - | - |

Table 5. Performance of internal (laboratory) CRM inserts, AA, gold.

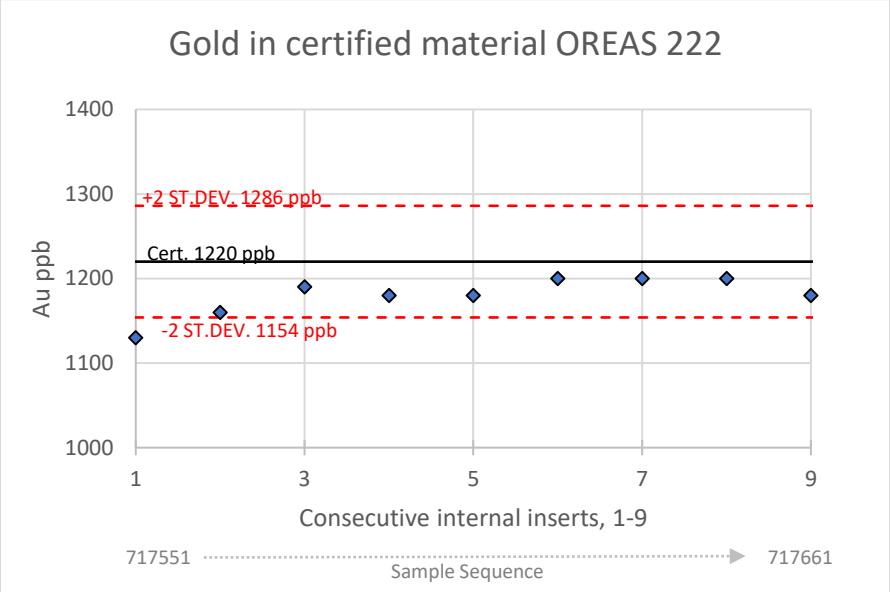



Figure 7. Performance of lab internal CRM – OREAS 222.

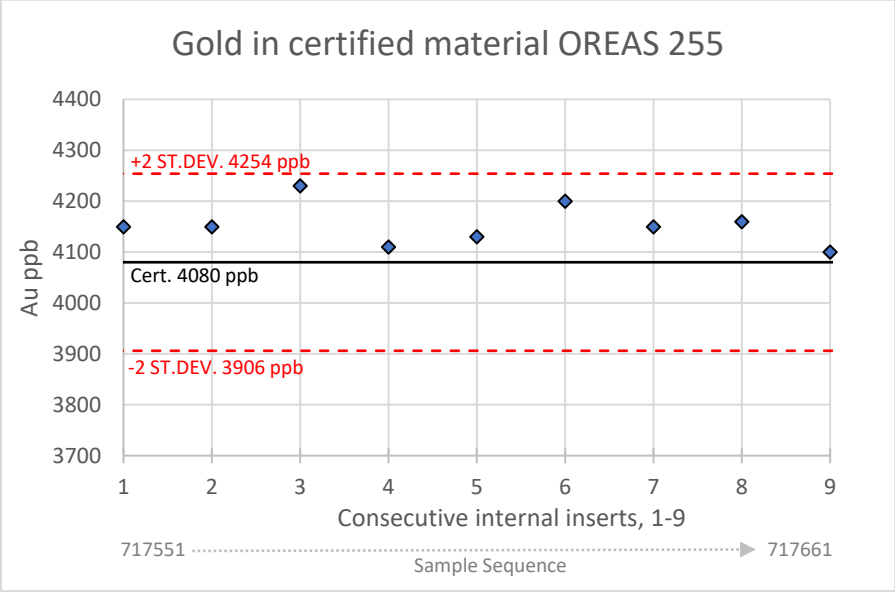



Figure 8. Performance of lab internal CRM – OREAS 255.

The internal control samples used in fire assay after metallic screening (FA-MeT) and in fire assay with gravimetric finish (FA-GRA) were OREAS 257 and SQ48**.** In addition, one type of blank material was used in FA-MeT analysis (Table 6). Considering the FA-GRA technique, one sample returned results within the certified concentrations and one marginally failed. On average, the control samples used in FA-GRA analysis show a positive bias. In the results of FA-MeT technique, the utilized CRM samples generally returned results below the certified concentrations. Two out of seven samples returned results marginally outside of the certified specification. Both samples were of SQ48 type.

The failures of the specified samples in both discussed techniques were marginal, and they do not constitute to a significant error.

Measurements on all the samples with blank material returned passing results, i.e. below the detection limit. Overall, the control samples performed well.

| CRM Symbol | Analytical Technique | Cert. Au g/t | No. of inserts | Min. Measured g/t | Max. Measured g/t |
|---|---|---|---|---|---|
| **SQ48** | FA-GRA | 30.25 ± 0.17 | 1 | 30.4 | 30.4 |
| **OREAS 257** | FA-GRA | 14.18 ± 0.264 | 1 | 14.6 | 14.6 |
| **SQ48** | FA-MeT | 30.25 ± 0.17 | 3 | 29.6 | 30.4 |
| **OREAS 257** | FA-MeT | 14.18 ± 0.264 | 4 | 13.9 | 14 |
| **BLANK** | FA-MeT | BLANK | 8 | < 0.03 | < 0.03 |

Table 6. Performance of internal (laboratory) control samples, FA-GRA & FA-MeT analysis, gold.

Several types of CRMs and blank material were utilized internally for accuracy monitoring in the analysis for copper and silver (Tables 7 and 8). Although in a few selected cases the analytical error was relatively high, the absolute error was low throughout the control samples. This type of analytical error is common and is associated with rather low concentrations of targeted elements. Hence, the internal control samples used for evaluation of accuracy in analysis for silver and copper generally performed well.

| CRM Symbol | Analytical Technique | Cert. Ag ppm | No. of inserts | Min. Measured ppm | Max. Measured ppm |
|---|---|---|---|---|---|
| **OREAS 98** | TD-MS | 45.1 ± 1.65 | 3 | 40.04 | 44.2 |
| **OREAS 904** | TD-MS | 0.551 ± 0.053 | 1 | 5.6 | 5.6 |
| **OREAS 96** | TD-MS | 11.5 ± 0.45 | 2 | 10.5 | 11.2 |
| **OREAS9 923** | TD-MS | 1.6 ± 0.206 | 2 | 1.6 | 1.7 |
| **OREAS 621** | TD-MS | 68.5 ± 6.71 | 1 | 66.6 | 66.6 |
| **OREAS 45E** | TD-MS | 0.311 ± 0.062 | 3 | 0.4 | 0.6 |
| **BLANK** | TD-MS | BLANK | 3 | <0.1 | <0.1 |

Table 7. Performance of internal (laboratory) control samples, silver.

| CRM Symbol | Analytical Technique | Cert. Cu ppm | No. of inserts | Min. Measured ppm | Max. Measured ppm |
|---|---|---|---|---|---|
| **OREAS 72a** | TD-MS | 316 ± 16 | 2 | 313 | 336 |
| **OREAS 77a** | TD-MS | 4311 ± 144 | 3 | 3620 | 4040 |
| **OREAS 98** | TD-MS | 148000 ± 4000 | 3 | > 10000 | > 10000 |
| **DNC-1a** | TD-MS | 100 | 3 | 104 | 138 |
| **OREAS 904** | TD-MS | 6120 ± 210 | 1 | 6000 | 6000 |
| **SBC-1** | TD-MS | 31 | 1 | 46.3 | 46.3 |
| **OREAS 96** | TD-MS | 39300 ± 1100 | 2 | > 10000 | > 10000 |
| **OREAS 923** | TD-MS | 4230 ± 224 | 2 | 4150 | 4180 |
| **OREAS 621** | TD-MS | 3630 ± 80 | 1 | 3500 | 3500 |
| **OREAS 45e** | TD-MS | 780 ± 23 | 3 | 740 | 796 |
| **BLANK** | TD-MS | BLANK | 3 | < 0.1 | 0.2 |
| **CRM Symbol** | **Analytical Technique** | **Cert. Cu %** | **No. of inserts** | **Min. Measured %** | **Max. Measured %** |
| **MP-1b** | 4Acid ICPOES | 3.07 | 1 | 3.08 | 3.08 |
| **CZN-4** | 4Acid ICPOES | 0.403 ± 0.01 | 1 | 0.396 | 0.396 |
| **CCU-1r** | 4Acid ICPOES | 22.9 | 1 | 22.8 | 22.8 |
| **BLANK** | 4Acid ICPOES | BLANK | 4 | < 0.001 | 0.006 |

Table 8. Performance of internal (laboratory) control samples, copper.

## 10. Comparison of 2010 and 2019 analytical results

The analytical results from 2019 were compared with the 2010 results using the principles used for precision evaluation of core sample duplicates. The 2019 samples were approached as duplicate samples of the 2010 data set. Such an approach was possible because the 2019 sampling intervals were the same as during the original core sampling program. The results of the comparison address reproducibility of gold analyses using so called field duplicates, that is taking another sample of drill core by sawing the remaining core lengthwise.

<u>Sources of discrepancies in data comparison</u>

Results of multiple geochemical analyses performed on a single sample set are always characterized by a set of errors. These errors must be addressed while comparing the resulting data.

- The geochemical analyses were performed in different times and in different laboratories.
- Although the fire assay followed by AA analytical technique has not changed since the original analysis and the detection limits remained the same, the detailed prep procedures used in the 2019 analysis can be expected to be somewhat different from

the ones used in 2010. In addition, the workflow improvements and modernisation of the utilised laboratory equipment can also be a factor.

- The initial sample weight of each sample was not the same. The samples submitted in 2010 consisted of halves of the original core and the 2019 samples consisted of approximately one-third of the original core.
- The natural variation within the "ore" mineralogy, e.g. effect of Poisson distribution of gold in natural materials otherwise known as "nugget effect".
- Coarse gold mineralization in field duplicates can differ dramatically along the opposite sides of core cuts within the geometry of the core cylinder.
- The FA-MeT analysis was not performed in 2010 however, free gold grains were noted in the core at the time. The evaluation of the 30g pulp pairs yielded high precision for high gold concentration, (low P% value) meaning good agreement between 2010 and 2019 results. At the same time, in 2019, FA-MeT, analysis showed up to 3-fold increase of accuracy for highest gold concentrations based on dedicated MeT control samples.

Comparison of 2010 FA-AA results and 2019 FA-AA/ GRA results

There are 55 sample pairs that were analysed for gold using the same standard fire assay combined with AA finish technique for original (2010) and duplicate samples (2019). Generally, both analyses identified elevated concentrations of gold in the same samples however, discrepancies between the results of the two analyses exist (Figures 9 and 10). A single sample pair discrepancy increases with increase in the average concentration of gold. Over the evaluated concentration range, the increase in discrepancy is from ~0.01 g/t up to ~4 g/t. This trend is not reflected in relative error (Pr%) analysis. The average coefficient of variation illustrates that there are two groups of sample pairs which are characterized by high relative error, i.e. high Pr% (Table 9 and Figure 11). The magnitude of the locally high Pr% (meaning low precision) is not atypical even for duplicate samples from the same sampling program.

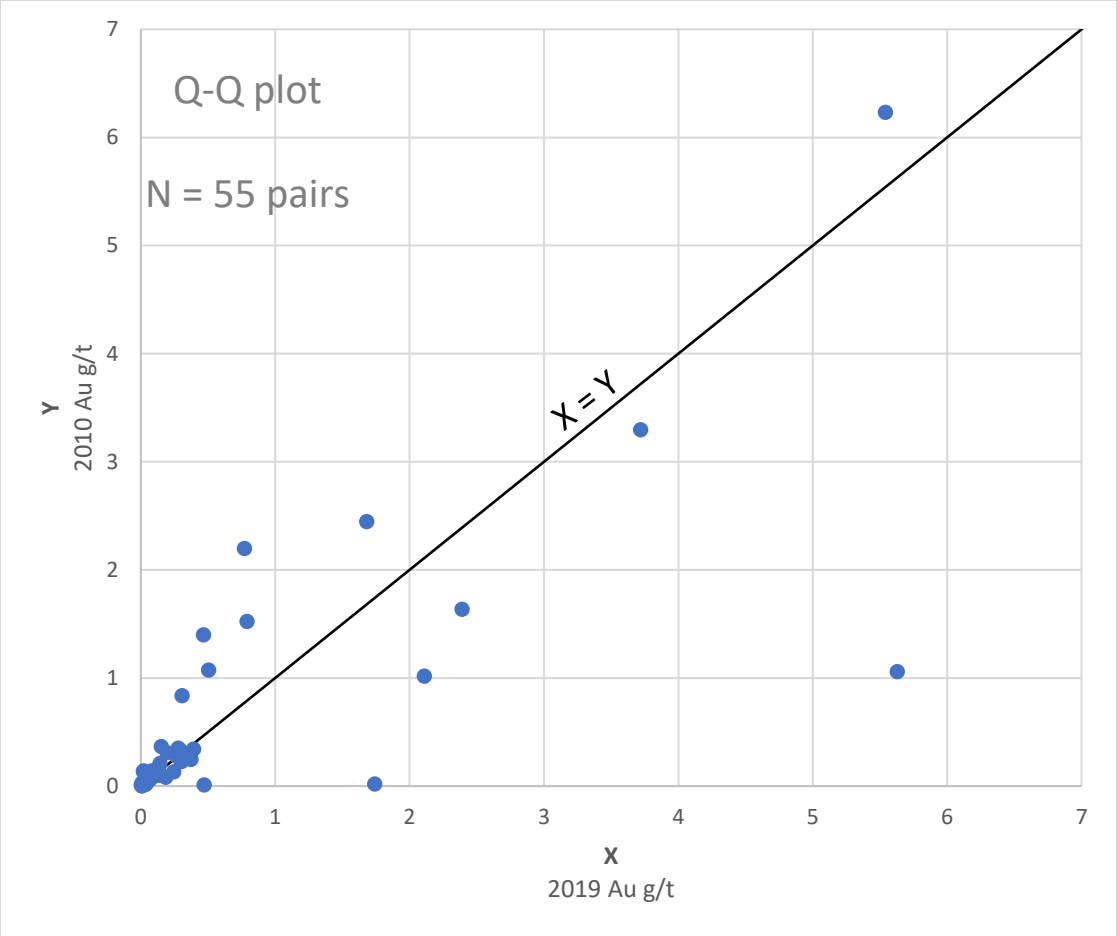



Figure 9. Comparison of 2010 original and 2019 duplicate core sample results for gold, Quantile – Quantile plot.

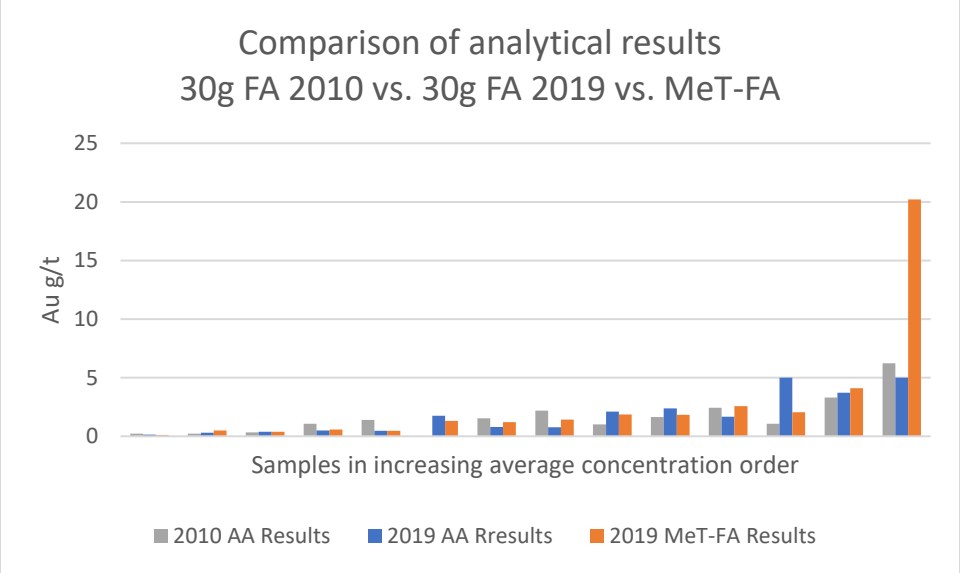



Figure 10. Bar graph comparing gold results from 2010 core samples vs. 2019 duplicates.

| 2010 AA | 2019 AA | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| g/t | g/t | Average | St.Dev. | CV | CVsq | avCVsq | CV% | Pr% | Group Grade |
| 0.005 | 0.005 | 0.005 | 0 | 0 | 0 | | | | |
| 0.005 | 0.008 | 0.0065 | 0.0021 | 0.3264 | 0.1065 | | | | |
| 0.005 | 0.008 | 0.0065 | 0.0021 | 0.3264 | 0.1065 | | | | |
| 0.01 | 0.005 | 0.0075 | 0.0035 | 0.4714 | 0.2222 | | | | |
| 0.005 | 0.012 | 0.0085 | 0.005 | 0.5823 | 0.3391 | 0.1549 | 39.3533 | 78.7066 | 0.0068 |
| 0.012 | 0.008 | 0.01 | 0.0028 | 0.2828 | 0.08 | | | | |
| 0.017 | 0.005 | 0.011 | 0.0085 | 0.7714 | 0.595 | | | | |
| 0.009 | 0.015 | 0.012 | 0.0042 | 0.3536 | 0.125 | | | | |
| 0.02 | 0.008 | 0.014 | 0.0085 | 0.6061 | 0.3673 | | | | |
| 0.017 | 0.012 | 0.0145 | 0.0035 | 0.2438 | 0.0595 | 0.2454 | 49.5347 | 99.0693 | 0.0123 |
| 0.019 | 0.013 | 0.016 | 0.0042 | 0.2652 | 0.0703 | | | | |
| 0.022 | 0.012 | 0.017 | 0.0071 | 0.4159 | 0.173 | | | | |
| 0.014 | 0.021 | 0.0175 | 0.005 | 0.2828 | 0.08 | | | | |
| 0.021 | 0.015 | 0.018 | 0.0042 | 0.2357 | 0.0556 | | | | |
| 0.027 | 0.013 | 0.02 | 0.0099 | 0.495 | 0.245 | 0.1248 | 35.3236 | 70.6472 | 0.0177 |
| 0.032 | 0.011 | 0.0215 | 0.0148 | 0.6907 | 0.477 | | | | |
| 0.022 | 0.025 | 0.0235 | 0.0021 | 0.0903 | 0.0081 | | | | |
| 0.026 | 0.021 | 0.0235 | 0.0035 | 0.1504 | 0.0226 | | | | |
| 0.033 | 0.014 | 0.0235 | 0.0134 | 0.5717 | 0.3268 | | | | |
| 0.032 | 0.02 | 0.026 | 0.0085 | 0.3264 | 0.1065 | 0.1882 | 43.3855 | 86.771 | 0.0236 |
| 0.017 | 0.037 | 0.027 | 0.0141 | 0.5238 | 0.2743 | | | | |
| 0.032 | 0.025 | 0.0285 | 0.005 | 0.1737 | 0.0302 | | | | |
| 0.043 | 0.044 | 0.0435 | 0.0007 | 0.0163 | 0.0003 | | | | |
| 0.065 | 0.072 | 0.0685 | 0.005 | 0.0723 | 0.0052 | | | | |
| 0.102 | 0.046 | 0.074 | 0.0396 | 0.5351 | 0.2863 | 0.1193 | 34.5351 | 69.0703 | 0.0483 |
| 0.134 | 0.019 | 0.0765 | 0.0813 | 1.063 | 1.1299 | | | | |
| 0.14 | 0.021 | 0.0805 | 0.0841 | 1.0453 | 1.0926 | | | | |
| 0.141 | 0.08 | 0.1105 | 0.0431 | 0.3903 | 0.1524 | | | | |
| 0.098 | 0.135 | 0.1165 | 0.0262 | 0.2246 | 0.0504 | | | | |
| 0.11 | 0.146 | 0.128 | 0.0255 | 0.1989 | 0.0396 | 0.493 | 70.2124 | 140.4248 | 0.1024 |
| 0.083 | 0.186 | 0.1345 | 0.0728 | 0.5415 | 0.2932 | | | | |
| 0.156 | 0.13 | 0.143 | 0.0184 | 0.1286 | 0.0165 | | | | |
| 0.21 | 0.142 | 0.176 | 0.0481 | 0.2732 | 0.0746 | | | | |
| 0.133 | 0.246 | 0.1895 | 0.0799 | 0.4217 | 0.1778 | | | | |
| 0.012 | 0.472 | 0.242 | 0.3253 | 1.3441 | 1.8066 | 0.4738 | 68.8295 | 137.6591 | 0.177 |
| 0.311 | 0.196 | 0.2535 | 0.0813 | 0.3208 | 0.1029 | | | | |
| 0.367 | 0.151 | 0.259 | 0.1527 | 0.5897 | 0.3478 | | | | |
| 0.228 | 0.302 | 0.265 | 0.0523 | 0.1975 | 0.039 | | | | |
| 0.272 | 0.272 | 0.272 | 0 | 0 | 0 | | | | |
| 0.246 | 0.374 | 0.31 | 0.0905 | 0.292 | 0.0852 | 0.115 | 33.9084 | 67.8169 | 0.2719 |
| 0.329 | 0.295 | 0.312 | 0.024 | 0.0771 | 0.0059 | | | | |
| 0.352 | 0.279 | 0.3155 | 0.0516 | 0.1636 | 0.0268 | | | | |
| 0.342 | 0.392 | 0.367 | 0.0354 | 0.0963 | 0.0093 | | | | |
| 0.837 | 0.306 | 0.5715 | 0.3755 | 0.657 | 0.4316 | | | | |
| 1.072 | 0.505 | 0.7885 | 0.4009 | 0.5085 | 0.2585 | 0.1464 | 38.2668 | 76.5336 | 0.4709 |
| 0.02 | 1.74 | 0.88 | 1.2162 | 1.3821 | 1.9101 | | | | |
| 1.399 | 0.466 | 0.9325 | 0.6597 | 0.7075 | 0.5005 | | | | |
| 1.522 | 0.79 | 1.156 | 0.5176 | 0.4478 | 0.2005 | | | | |
| 2.199 | 0.77 | 1.4845 | 1.0105 | 0.6807 | 0.4633 | | | | |
| 1.017 | 2.11 | 1.5635 | 0.7729 | 0.4943 | 0.2444 | 0.6638 | 81.4716 | 162.9431 | 1.2033 |
| 1.636 | 2.39 | 2.013 | 0.5332 | 0.2649 | 0.0702 | | | | |
| 2.447 | 1.68 | 2.0635 | 0.5424 | 0.2628 | 0.0691 | | | | |
| 1.059 | 5.63 | 3.3445 | 3.2322 | 0.9664 | 0.934 | | | | |
| 3.297 | 3.72 | 3.5085 | 0.2991 | 0.0853 | 0.0073 | | | | |
| 6.231 | 5.54 | 5.8855 | 0.4886 | 0.083 | 0.0069 | 0.2175 | 46.6338 | 93.2675 | 3.363 |

Table 9. Precision% table for comparison of gold concentrations from 2010 vs. 2019 sampling programs.

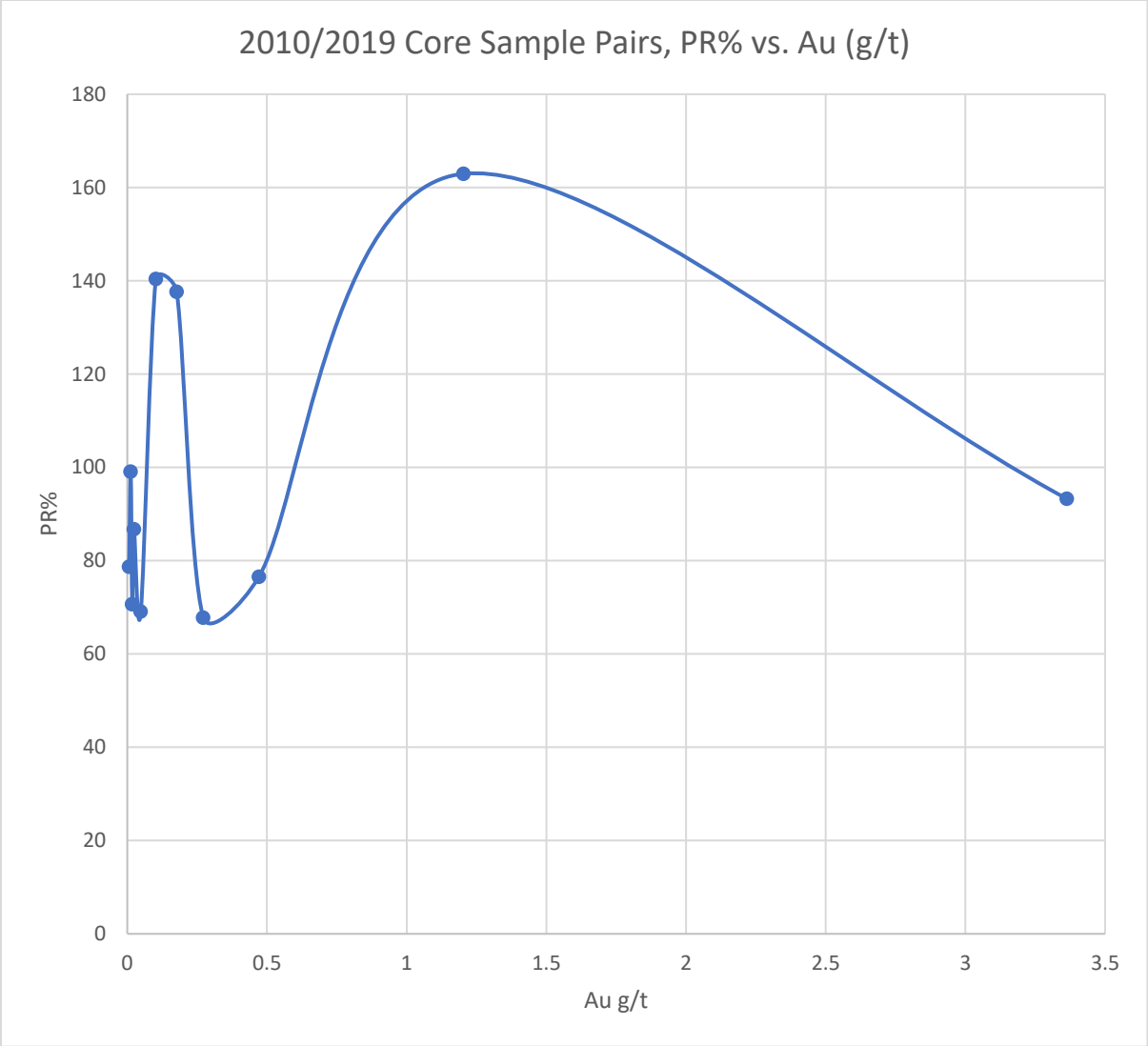



Figure 11. Precision% (relative error) versus gold grade for comparison of 2010 and 2019 sample pairs analysed using fire assay with AA/gravimetric finish.

## 11. Mineralization

Historically, multiple mineral showings were recorded within the project site and its proximity (Figure 12). Preliminary mineralogical assessment was made for one showing only based on 2019 re-sampling of 2010 drill core. Gold mineralization intersected at Dave's Pond in 2010 is hosted by andesitic volcanics and felsic dykes of Callaghan Creek roof pendant at the contact of diorite.

The mineralization is present within up to 3 cm wide carbonate+/-quartz+/-sulphide stringers and replacements. They contain up to 3% pyrite and sporadically minor galena, chalcopyrite and other unidentified sulphides.

Three samples were sent for further evaluation of sulphide minerals and gold by reflected light microscopy in addition to standard geochemical analyses performed for all samples at Act Labs. One, 0.3 m long interval, starting at 57.00 m of BRW10-07 contained visible gold grains. It was sampled in 2019 from 57.0 to 58.5 m and returned 1.83 g/t gold and 5.2 g/t silver. Another mineralogical sample that was cut from core BRW10-06, at 34.4 m depth, returned 4.1 g/t gold and 33.1 g/t silver in 2019. Two core cuts were sent for microscopic analysis and ore mineralogy research by H. Kucha, Ph.D.

Thin-polished sections and ore mineralogy research suggest that highest gold assays obtained in holes BRW10-05 and BRW10-06 are substantiated by the presence of native gold with minor galena (less than 1%). Other sections, showing high Pb content from ICP analyses, show larger proportion of silver mineralization in relation to gold (Hole BRW10-06 at 32.6 m depth). Microscopic study shows that silver here is carried by Ag-bearing tetrahedrite in addition to galena, while gold occurs as electrum.

The preliminary results of ore mineralogy research confirmed that precious metal intervals in proportion 75 % gold and 25% Ag represent economically significant core intervals and are associated with lower base-metal sulphide content. Native gold in these intervals is related to galena presence (PbS) and appears to be originating from a separate mineralizing event. The interval that produced the highest assay of 20.2 g/t in 2019, at the depth 26.5 m in hole BRW10-05, is expected to have similar ore mineralogy. It was described during core logging as consisting of 40-50% carbonate replacements with 1-2% pyrite and minor galena and hematite.

Silver is related to tetrahedrite, with gold (electrum), and Ag-bearing bornite forming veinlet/nest accumulations. It is too early to speculate how important the Ag-bornite mineralizing event is, but it appears to have higher base-metal sulphide content overall.

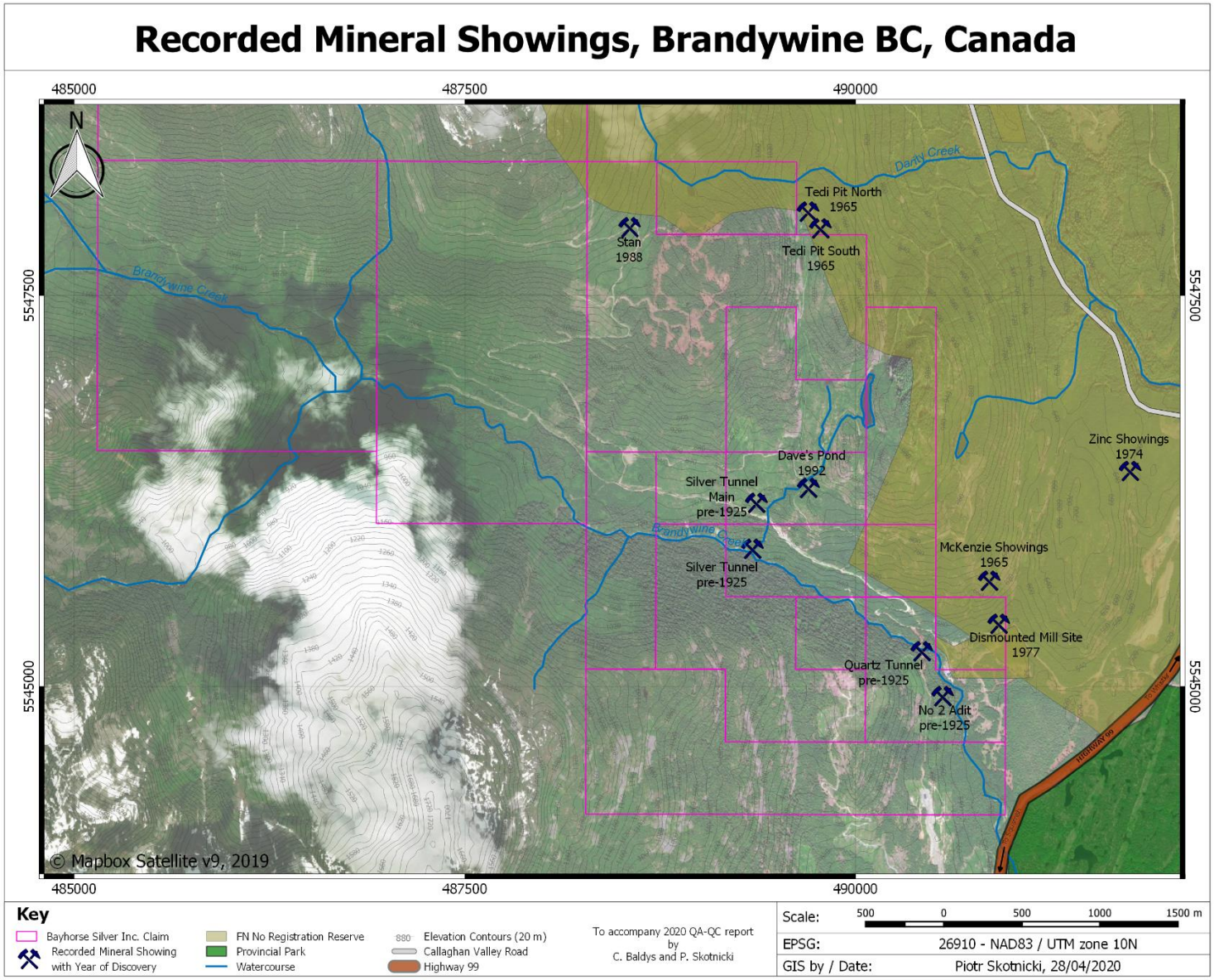



Figure. 12 Recorded mineral showings.

## 12. Conclusions

QA-QC program conducted on behalf of Bayhorse, evaluated 2010 drill-hole data from Dave's Pond showing, which has been a focus of gold exploration since Placer Dome explored the surrounding area in 1989. The program completed between September and November of 2019 and reported here, has positively verified the results obtained during Auramex's drilling in 2010. The program confirmed the presence of economically significant gold mineralization. The results are summarized as follows:

- Within the Brandywine property there are multiple mineral showings and only one of them, Dave's Pond, was evaluated in detail in 2019 for presence of gold mineralization.
- The applied QA-QC protocol was efficient and effective hence, yielding high quality data that is compliant with the CIM standards at the time of writing of this report.
- The 2019 re-sampling program positively verified the 2010 results and confirmed the presence economically significant gold mineralization (Table 10).

| Hole | From | To | Length | Au AVG 30g pulps FA 2010 | Au AVG 30g pulps FA 2019 | CV% | Au AVG Metallics FA 2019 | Ag ICP 2019 | Cu ICP 2019 | Pb ICP 2019 | Pb ICP 2019 | Zn ICP 2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | m | m | g/mt | ppb | | g/mt | ppm | ppm | ppm | % | ppm |
| BRW10-05 | 11.30 | 12.80 | 1.50 | 2.20 | 770.00 | 68.0671 | 1.43 | 5.30 | 449.00 | 423.00 | | 512.00 |
| BRW10-05 | 20.40 | 21.90 | 1.50 | 1.40 | 466.00 | 70.7486 | 0.47 | 1.30 | 106.00 | 335.00 | | 445.00 |
| BRW10-05 | 26.50 | 29.60 | 3.10 | 3.73 | >5000 | 28.1452 | 11.42 | 2.63 | 224.81 | 1324.16 | | 606.26 |
| BRW10-05 | including | | 1.60 | 6.23 | >5000 | 8.2906 | 20.20 | 3.40 | 324.00 | 2520.00 | | 884.00 |
| BRW10-05 | 34.10 | 35.70 | 1.60 | 1.02 | 2110.00 | 49.4319 | 1.86 | 4.40 | 868.00 | 683.00 | | 1700.00 |
| BRW10-06 | 23.50 | 25.00 | 1.50 | 0.02 | 1740.00 | 138.2072 | 1.31 | 3.50 | 70.30 | 479.00 | | 886.00 |
| BRW10-06 | 25.00 | 26.50 | 1.50 | 1.07 | 505.00 | 50.8471 | 0.57 | 2.70 | 170.00 | 797.00 | | 1060.00 |
| BRW10-06 | 32.60 | 35.70 | 3.10 | 2.89 | 2732.90 | 3.9511 | 3.35 | 20.33 | 309.71 | 8882.26 | | 3161.94 |
| BRW10-06 | including | | 1.60 | 3.30 | 3720.00 | 8.5252 | 4.10 | 33.10 | 346.00 | >5000 | 1.51 | 5170.00 |
| BRW10-07 | 41.80 | 43.30 | 1.50 | 1.52 | 790.00 | 44.6916 | 1.20 | 2.60 | 170.00 | 817.00 | | 665.00 |
| BRW10-07 | 57.00 | 58.50 | 1.50 | 1.64 | 2390.00 | 26.3191 | 1.83 | 5.20 | 533.00 | 713.00 | | 388.00 |

Table 10. Summary of 2019 core re-sampling results with CV%* as measure of precision.

*The lower the CV % number the higher the precision of 2019 vs. 2010 analyses of 30g pulps.

- In September 2019 a total 111 core samples were obtained from all 175.6 m of HQ-size core to be geochemically tested, including 45 that were analyzed by metallic screen and fire assay for gold using 1,000-gram weights. All methods applied were of standard industry practice.

- The program reaffirmed the suitability of current analytical methodology going forward with the addition of metallic screen preparation procedure to produce 1000g sieved material before the fire assay of three pulverized sub-samples. Assays were performed on the entire +100 mesh fraction (150 µm) and two splits (30g) of the -100 mesh fraction. The method showed higher accuracy based on dedicated internal CRMs (standards) applied at Activation Laboratories.
- Quality control graphs for field duplicates show very good agreement (precision) between 2010 and 2019 gold analyses by fire assay and instrumental finish using 30g pulps. The precision is significantly higher for gold grades exceeding 2.9 g/t. However, this is just an observation, and not a statistical threshold value. Field duplicates as opposed to duplicate pulp splits are less reliable method for measuring precision.
- The comparison of both sampling programs and the nature of gold mineralization at Brandywine highlight the effect of Poisson distribution of gold in natural materials, otherwise known as “nugget effect”. This phenomenon was easily detected due to coarse nature of gold at Brandywine project.
- Majority of epigenetic gold deposits of hydrothermal origin exhibit “nugget effect”. This phenomenon is less pronounced only in Carlin-type gold and porphyry-type gold-copper deposits.
- Comparison of 2019 data sets suggests that both methods – 30g pulp assay and 1000g metallic screen assay – should be routinely applied at the commercial labs during gold exploration at Brandywine project going forward.

## 13. References

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# APPENDIX 1

# ANALYTICAL RESULTS

Appendix 1. Analytical Results.

| Report Number: A19-13134 | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Report Date: 31/10/2019 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Analyte Symbol | Received Weight | Au | Al | Ag | As | Au | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| Unit Symbol | Kg | ppb | % | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| Detection Limit | | 5 | 0.01 | 0.1 | 1 | 100 | 1 | 1 | 0.1 | 0.01 | 0.1 | 1 | 0.2 | 1 | 0.1 | 0.1 | 0.01 |
| Analysis Method | none | FA-AA | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS |
| 717551 | 3.73 | 11 | 10.4 | 2.8 | 2 | < 100 | 566 | < 1 | < 0.1 | 3.79 | 0.6 | 18 | 26.3 | 41 | 2.5 | 98.2 | 7.2 |
| 717552 | 5.29 | 83 | 7.27 | 1.5 | 3 | < 100 | 449 | < 1 | < 0.1 | 7.98 | 1.2 | 14 | 27.9 | 146 | 2.7 | 141 | 5.39 |
| 717553 | 6.84 | 634 | 6.33 | 2.6 | 1 | < 100 | 374 | < 1 | 0.1 | 7.65 | 2.3 | 10 | 23.5 | 160 | 2.5 | 198 | 4.45 |
| 717554 | 6.42 | 454 | 5.85 | 1.4 | < 1 | < 100 | 350 | < 1 | 0.1 | 9.09 | 1.4 | 9 | 22.8 | 174 | 2.2 | 105 | 4.8 |
| 717555 | 3.09 | 770 | 7.19 | 5.3 | 1 | < 100 | 484 | < 1 | < 0.1 | 6.39 | 2 | 8 | 21.9 | 269 | 2.8 | 449 | 4.52 |
| 717556 | 7.08 | 193 | 7.55 | 3.9 | 1 | < 100 | 512 | < 1 | < 0.1 | 6.02 | 1.9 | 12 | 20.8 | 138 | 2.7 | 388 | 4.54 |
| 717557 | 7.91 | 57 | 8.91 | 0.7 | 1 | < 100 | 542 | < 1 | < 0.1 | 4.61 | 0.5 | 20 | 21.6 | 39 | 2.7 | 74.4 | 5.61 |
| 717558 | 8.08 | 101 | 7.83 | 1 | < 1 | < 100 | 560 | < 1 | < 0.1 | 5.33 | 0.5 | 25 | 37.5 | 57 | 2.6 | 174 | 7.48 |
| 717559 | 6.68 | 67 | 8.35 | 0.6 | < 1 | < 100 | 549 | < 1 | < 0.1 | 6.17 | 0.6 | 17 | 27.7 | 112 | 2.5 | 67.2 | 5.81 |
| 717560 | 6.87 | 228 | 8.16 | 2.1 | 1 | < 100 | 589 | < 1 | < 0.1 | 4.55 | 0.8 | 17 | 30.4 | 127 | 2.8 | 149 | 5.62 |
| 717561 | 3.46 | 466 | 7.81 | 1.3 | 5 | 100 | 172 | < 1 | < 0.1 | 3.47 | 4.1 | 12 | 19.4 | 40 | 2.9 | 106 | 4.7 |
| 717562 | 6.67 | 108 | 8.67 | 1.1 | 6 | < 100 | 570 | < 1 | < 0.1 | 2.2 | 0.5 | 13 | 16 | 29 | 3.3 | 69.1 | 4.23 |
| 717563 | 6.55 | 100 | 8.95 | 1.3 | 19 | < 100 | 583 | < 1 | < 0.1 | 2.86 | 0.3 | 12 | 26.5 | 102 | 3.3 | 106 | 5.43 |
| 717564 | 7.76 | 21 | 9.14 | 0.9 | 8 | < 100 | 578 | < 1 | < 0.1 | 3.83 | 0.4 | 16 | 18.5 | 82 | 4.1 | 85.6 | 5.65 |
| 717565 | 3.73 | > 5000 | 7.57 | 1.8 | 3 | 800 | 750 | < 1 | < 0.1 | 4.42 | 0.4 | 17 | 19.4 | 20 | 3 | 119 | 5.82 |
| 717566 | 4.53 | > 5000 | 9.62 | 3.4 | 7 | 300 | 672 | < 1 | < 0.1 | 4.23 | 18 | 18 | 21.4 | 17 | 2.9 | 324 | 6.21 |
| 717567 | 4.22 | 8 | 9.51 | 0.6 | < 1 | < 100 | 478 | < 1 | < 0.1 | 5.16 | 0.3 | 17 | 18.8 | 27 | 2.3 | 59.5 | 5.99 |
| 717568 | 3.96 | 11 | 9.54 | 0.7 | < 1 | < 100 | 560 | < 1 | < 0.1 | 4.51 | 0.5 | 17 | 16.8 | 18 | 3.6 | 60.1 | 5.78 |
| 717569 | 3.39 | 374 | 9.15 | 0.8 | < 1 | < 100 | 542 | < 1 | < 0.1 | 4.55 | 1.1 | 17 | 15.9 | 18 | 4.5 | 40 | 5.41 |
| 717570 | 4.52 | 2110 | 7.92 | 4.4 | 5 | 200 | 438 | < 1 | < 0.1 | 4.7 | 24.7 | 15 | 21.7 | 22 | 4.2 | 868 | 5.61 |
| 717571 | 4.11 | 130 | 8.85 | 2.1 | 6 | < 100 | 581 | < 1 | < 0.1 | 4.33 | 0.6 | 16 | 22.8 | 20 | 4.9 | 142 | 5.75 |
| 717572 | 4.06 | 196 | 8.08 | 2.1 | 39 | < 100 | 504 | < 1 | < 0.1 | 4.42 | 0.7 | 13 | 23.1 | 89 | 4.5 | 73.4 | 5.87 |
| 717573 | 4.03 | 142 | 7.79 | 2.6 | < 1 | < 100 | 482 | < 1 | < 0.1 | 5.3 | 0.6 | 23 | 17.4 | 113 | 3.5 | 363 | 4.71 |
| 717574 | 3.69 | 25 | 7.92 | 1.5 | 2 | < 100 | 590 | < 1 | < 0.1 | 6.27 | 0.5 | 17 | 25.9 | 56 | 3.6 | 235 | 5.83 |
| 717575 | 0.102 | 4180 | 7.58 | 19.3 | 11 | 600 | 324 | < 1 | 0.8 | 5.18 | 0.8 | 32 | 39.2 | 367 | 2.2 | 347 | 6.17 |
| 717576 | 3.67 | 25 | 9.03 | 0.8 | 2 | < 100 | 634 | < 1 | < 0.1 | 6.84 | 0.3 | 17 | 29 | 29 | 3 | 94.2 | 6.46 |
| 717577 | 3.61 | < 5 | 9.98 | 0.3 | 1 | 200 | 572 | < 1 | < 0.1 | 3.87 | 0.2 | 24 | 14.5 | 22 | 2.7 | 56.3 | 4.26 |
| 717578 | 5.15 | 7 | 9.57 | 0.9 | < 1 | < 100 | 1220 | < 1 | < 0.1 | 3.69 | 0.2 | 17 | 23.2 | 23 | 2.8 | 68.2 | 6.17 |
| 717579 | 5.68 | 5 | 9.34 | 1 | < 1 | < 100 | 1350 | < 1 | < 0.1 | 5.57 | 0.2 | 21 | 21.8 | 18 | 3.1 | 84.2 | 6.35 |
| 717580 | 0.102 | < 5 | 8.77 | 0.2 | 1 | < 100 | 780 | 1 | < 0.1 | 1.78 | < 0.1 | 28 | 4.4 | 26 | 0.2 | 39.5 | 3.02 |
| 717581 | 5.45 | 12 | 9.72 | 2 | < 1 | < 100 | 1680 | < 1 | 0.2 | 3.84 | 0.2 | 19 | 22.4 | 23 | 3.4 | 174 | 6.46 |
| 717582 | 5.11 | < 5 | 8.36 | 0.7 | 2 | < 100 | 1240 | < 1 | < 0.1 | 4.45 | 0.2 | 22 | 19.9 | 47 | 2.6 | 57.5 | 5.81 |
| 717583 | 6.26 | < 5 | 9.14 | 0.6 | 2 | < 100 | 1280 | < 1 | < 0.1 | 4.29 | 0.2 | 20 | 16.7 | 22 | 3.4 | 39.7 | 5.19 |
| 717584 | 3.38 | < 5 | 9.2 | 0.8 | 1 | < 100 | 772 | < 1 | < 0.1 | 5.43 | 0.3 | 19 | 21.2 | 21 | 2.9 | 48.3 | 6.26 |
| 717585 | 7.65 | < 5 | 10.1 | 0.9 | 1 | < 100 | 850 | < 1 | < 0.1 | 5.49 | 0.2 | 20 | 21.1 | 39 | 3 | 34.7 | 6.1 |
| 717586 | 7.11 | 5 | 9.37 | 0.6 | < 1 | < 100 | 830 | < 1 | < 0.1 | 4.58 | 0.2 | 20 | 20 | 29 | 3.2 | 56.4 | 5.94 |
| 717587 | 3.3 | 5 | 8.77 | 1.3 | < 1 | < 100 | 543 | < 1 | < 0.1 | 4.74 | 0.2 | 19 | 21.3 | 20 | 2.9 | 53.2 | 6.41 |
| 717588 | 3.74 | 13 | 8.75 | 3.5 | < 1 | < 100 | 687 | < 1 | < 0.1 | 5.26 | 0.3 | 15 | 24.3 | 62 | 3.4 | 104 | 5.95 |
| 717589 | 3.11 | 13 | 8.47 | 2.7 | 1 | < 100 | 538 | < 1 | < 0.1 | 7.15 | 0.4 | 14 | 25.4 | 60 | 3.2 | 80 | 6.42 |
| 717590 | 3.78 | 1740 | 7.7 | 3.5 | 4 | 500 | 706 | < 1 | < 0.1 | 5.39 | 1.9 | 16 | 20.4 | 21 | 4 | 70.3 | 5.78 |
| 717591 | 3.33 | 505 | 8.12 | 2.7 | 24 | < 100 | 622 | < 1 | < 0.1 | 5.34 | 6.7 | 16 | 20.1 | 60 | 4.5 | 170 | 6.06 |
| 717592 | 2.84 | 44 | 9.17 | 1.4 | 25 | < 100 | 525 | < 1 | < 0.1 | 4.89 | 0.6 | 20 | 21.5 | 22 | 3.5 | 63.2 | 6.19 |
| 717593 | 3.85 | 8 | 9.96 | 0.7 | 11 | < 100 | 428 | < 1 | < 0.1 | 4.88 | 0.4 | 22 | 23.8 | 36 | 3.2 | 59.6 | 6.95 |
| 717594 | 2.9 | 72 | 10.1 | 1.8 | 38 | < 100 | 465 | < 1 | 0.1 | 1.45 | 0.5 | 25 | 22.3 | 35 | 4.2 | 62 | 5.45 |
| 717595 | 3.36 | 392 | 6.54 | 1.9 | 48 | 200 | 337 | < 1 | < 0.1 | 1.96 | 0.4 | 17 | 22.3 | 48 | 2.4 | 70.6 | 4.73 |
| 717596 | 3.5 | 1680 | 6.28 | 6.7 | 8 | 300 | 355 | < 1 | < 0.1 | 3.59 | 8.5 | 18 | 20 | 16 | 2.4 | 271 | 4.9 |
| 717597 | 3.6 | 3720 | 5.49 | 33.1 | 5 | 700 | 357 | < 1 | < 0.1 | 3.71 | 69.7 | 14 | 13.3 | 36 | 2.4 | 346 | 3.58 |
| 717598 | 3.53 | 19 | 9.83 | 1.1 | 4 | < 100 | 751 | < 1 | < 0.1 | 5.87 | 0.5 | 27 | 16.3 | 8 | 3.6 | 38.6 | 5.3 |

Appendix 1. Analytical Results.

| Report Number: A19-13134 | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Report Date: 31/10/2019 | | | | | | | | | | | | | | | | | |
| Analyte Symbol | Received Weight | Au | Al | Ag | As | Au | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| Unit Symbol | Kg | ppb | % | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| Detection Limit | | 5 | 0.01 | 0.1 | 1 | 100 | 1 | 1 | 0.1 | 0.01 | 0.1 | 1 | 0.2 | 1 | 0.1 | 0.1 | 0.01 |
| Analysis Method | none | FA-AA | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS |
| 717599 | 3.89 | 15 | 10.9 | 0.5 | 4 | < 100 | 818 | < 1 | < 0.1 | 4.83 | 0.3 | 24 | 21.3 | 10 | 4 | 43 | 6.25 |
| 717600 | 0.102 | 1080 | 8.54 | 1.7 | 15 | 300 | 816 | 1 | 0.1 | 1.93 | 0.4 | 29 | 5.2 | 19 | 0.4 | 52.5 | 2.84 |
| 717601 | 3.37 | 186 | 9.08 | 2.2 | 4 | < 100 | 629 | < 1 | < 0.1 | 5.53 | 0.3 | 25 | 17.5 | 9 | 3.6 | 260 | 5.55 |
| 717602 | 3.64 | < 5 | 8.95 | 0.5 | < 1 | < 100 | 566 | < 1 | < 0.1 | 4.45 | 0.3 | 21 | 13.5 | 46 | 3.9 | 38.7 | 4.03 |
| 717603 | 3.51 | < 5 | 6.02 | 0.3 | 1 | < 100 | 388 | < 1 | < 0.1 | 8.6 | 0.4 | 17 | 26.2 | 270 | 3.7 | 11.3 | 5.67 |
| 717604 | 3.52 | < 5 | 7.23 | 0.6 | 3 | < 100 | 881 | < 1 | < 0.1 | 6.69 | 0.4 | 12 | 28.5 | 70 | 5.4 | 62.3 | 5.6 |
| 717605 | 3.2 | 12 | 9.36 | 1.2 | 5 | < 100 | 670 | < 1 | < 0.1 | 5.15 | 0.4 | 14 | 29.4 | 31 | 6.5 | 101 | 6.66 |
| 717606 | 3.6 | 20 | 8.47 | 1 | 6 | < 100 | 546 | < 1 | < 0.1 | 5.08 | 0.2 | 13 | 24.8 | 14 | 5.7 | 63.8 | 5.99 |
| 717607 | 3.43 | 295 | 8.29 | 1.7 | 6 | < 100 | 66 | < 1 | < 0.1 | 5.37 | 7.3 | 12 | 24.8 | 19 | 5.2 | 91.7 | 6.09 |
| 717608 | 3.38 | 146 | 10.2 | 1.1 | 8 | < 100 | 613 | < 1 | < 0.1 | 4.9 | 0.3 | 18 | 19.4 | 37 | 3.7 | 127 | 5.93 |
| 717609 | 2.79 | 12 | 9.19 | 0.8 | 7 | < 100 | 260 | < 1 | < 0.1 | 4.86 | 0.2 | 18 | 18.7 | 21 | 2.1 | 33.9 | 5.44 |
| 717610 | 3.99 | 21 | 9.32 | 0.8 | 6 | < 100 | 551 | < 1 | < 0.1 | 3.67 | 0.3 | 18 | 19.1 | 40 | 2.5 | 74.3 | 5.86 |
| 717611 | 3.67 | < 5 | 9.08 | 0.6 | 2 | < 100 | 852 | < 1 | < 0.1 | 3.47 | 0.2 | 26 | 27.6 | 40 | 3.2 | 78.2 | 6.98 |
| 717612 | 6.44 | 8 | 8.8 | 0.6 | 6 | < 100 | 886 | < 1 | < 0.1 | 6.15 | 0.1 | 23 | 30.1 | 56 | 3.3 | 58 | 7.07 |
| 717613 | 3.03 | < 5 | 6.9 | 0.5 | 4 | < 100 | 490 | < 1 | < 0.1 | 12.7 | 0.2 | 22 | 27.5 | 53 | 1.7 | 55.7 | 6.94 |
| 717614 | 3.25 | < 5 | 9.31 | 0.6 | 3 | < 100 | 917 | < 1 | < 0.1 | 7.16 | 0.2 | 24 | 35.2 | 91 | 2.4 | 96.7 | 7.61 |
| 717615 | 3.4 | 5 | 9.26 | 0.4 | 7 | < 100 | 867 | < 1 | < 0.1 | 6.34 | < 0.1 | 19 | 29.6 | 127 | 2.3 | 51.2 | 7.08 |
| 717616 | 3.34 | < 5 | 11 | 0.4 | 2 | < 100 | 1060 | < 1 | < 0.1 | 4.72 | 0.2 | 25 | 29.3 | 83 | 2.9 | 26.9 | 7.28 |
| 717617 | 3.36 | < 5 | 9.4 | 0.4 | 1 | < 100 | 1080 | < 1 | < 0.1 | 6.54 | 0.4 | 23 | 24.9 | 55 | 2.5 | 42.8 | 6.75 |
| 717618 | 6.75 | < 5 | 10.9 | 0.6 | 2 | < 100 | 1170 | < 1 | < 0.1 | 5.28 | 0.2 | 25 | 29.6 | 72 | 3.4 | 60 | 7.77 |
| 717619 | 7.14 | 11 | 9.45 | 0.8 | 2 | < 100 | 1140 | < 1 | < 0.1 | 5.93 | 0.5 | 23 | 27.7 | 49 | 2.9 | 62.7 | 7.09 |
| 717620 | 6.5 | 12 | 11 | 0.8 | 2 | < 100 | 1470 | < 1 | < 0.1 | 4.66 | 0.2 | 24 | 25.5 | 25 | 3.4 | 54.1 | 7.05 |
| 717621 | 6.66 | 14 | 9.81 | 1.1 | 3 | < 100 | 1340 | < 1 | < 0.1 | 6.31 | 0.4 | 23 | 24.4 | 24 | 3.8 | 51.1 | 6.75 |
| 717622 | 8.2 | 7 | 8.62 | 1 | 3 | < 100 | 1110 | < 1 | < 0.1 | 6.18 | 0.4 | 21 | 29.9 | 37 | 2.8 | 69.4 | 7.49 |
| 717623 | 3.37 | < 5 | 7.41 | 0.5 | 5 | < 100 | 909 | < 1 | < 0.1 | 4.11 | 0.3 | 18 | 19.6 | 33 | 3 | 45.8 | 4.88 |
| 717624 | 3.77 | 472 | 8.79 | 7.8 | 4 | < 100 | 725 | < 1 | 0.2 | 3.55 | 46.1 | 15 | 19.4 | 74 | 3.3 | 757 | 5.54 |
| 717625 | 0.102 | 1840 | 6.8 | 8.5 | 3 | < 100 | 264 | 1 | 3 | 2.12 | 1.1 | 18 | 7.5 | 20 | 0.6 | > 10000 | 5.74 |
| 717626 | 3.6 | 80 | 7.8 | 2.7 | 4 | < 100 | 721 | < 1 | < 0.1 | 3.15 | 2 | 18 | 23.3 | 43 | 3.1 | 314 | 6.18 |
| 717627 | 3.78 | 151 | 8.69 | 1.2 | 6 | < 100 | 629 | < 1 | < 0.1 | 3.84 | 0.8 | 22 | 20.3 | 29 | 3.4 | 185 | 5.28 |
| 717628 | 2.99 | 272 | 9.09 | 1 | 6 | < 100 | 718 | < 1 | < 0.1 | 3.87 | 0.8 | 19 | 25.2 | 18 | 3.7 | 69.8 | 6.64 |
| 717629 | 8.29 | 26 | 9.32 | 1 | 1 | < 100 | 794 | < 1 | < 0.1 | 4.36 | 0.6 | 20 | 22.3 | 18 | 3.4 | 96.3 | 5.95 |
| 717630 | 7.58 | 24 | 8.57 | 1.2 | 2 | < 100 | 818 | < 1 | < 0.1 | 5.84 | 0.3 | 17 | 24.7 | 68 | 2.6 | 38.4 | 5.77 |
| 717631 | 6.78 | 17 | 8.44 | 1.1 | 3 | < 100 | 723 | < 1 | < 0.1 | 6.82 | 0.8 | 13 | 32.8 | 123 | 2.8 | 188 | 6.7 |
| 717632 | 6.79 | 20 | 8.49 | 1.5 | 4 | < 100 | 691 | < 1 | < 0.1 | 5.08 | 0.6 | 17 | 28.1 | 46 | 4.4 | 85.1 | 6.83 |
| 717633 | 6.79 | 132 | 8.95 | 1.6 | 3 | < 100 | 612 | < 1 | < 0.1 | 4.43 | 0.9 | 20 | 22.5 | 25 | 5.6 | 178 | 6.17 |
| 717634 | 7.11 | 8 | 9.63 | 0.9 | 3 | < 100 | 629 | < 1 | < 0.1 | 3.51 | 0.4 | 22 | 21.2 | 18 | 5 | 68.2 | 6.92 |
| 717635 | 2.68 | 302 | 8.27 | 12.1 | 4 | < 100 | 649 | < 1 | < 0.1 | 6.21 | 1.7 | 17 | 20.2 | 43 | 5 | 1020 | 5.04 |
| 717636 | 4.25 | 279 | 7.02 | 2.6 | 6 | < 100 | 443 | < 1 | < 0.1 | 2.99 | 2 | 12 | 24.9 | 106 | 3.1 | 191 | 4.82 |
| 717637 | 3.69 | 790 | 7.12 | 2.6 | 7 | < 100 | 538 | < 1 | < 0.1 | 5.08 | 4 | 14 | 22.4 | 28 | 3.5 | 170 | 5.17 |
| 717638 | 3.43 | 46 | 6.69 | 1.8 | 29 | < 100 | 456 | < 1 | < 0.1 | 5.46 | 3.2 | 15 | 17 | 35 | 4 | 100 | 4.29 |
| 717639 | 3.51 | 135 | 8.13 | 1.1 | 7 | < 100 | 628 | < 1 | < 0.1 | 4.78 | 0.4 | 21 | 24 | 45 | 3.4 | 92.3 | 5.98 |
| 717640 | 0.102 | < 5 | 7.24 | 0.3 | 2 | < 100 | 777 | 1 | < 0.1 | 1.59 | < 0.1 | 26 | 4.2 | 15 | 0.2 | 31.7 | 2.72 |
| 717641 | 3.18 | 8 | 7.9 | 0.5 | < 1 | < 100 | 474 | < 1 | < 0.1 | 4.61 | 0.3 | 20 | 18.9 | 30 | 2.3 | 66.1 | 4.92 |
| 717642 | 3.37 | 21 | 8.3 | 0.5 | 2 | < 100 | 503 | < 1 | < 0.1 | 4.59 | 0.3 | 19 | 20.2 | 21 | 2.7 | 59.3 | 5.65 |
| 717643 | 3.54 | 246 | 8.06 | 1.1 | 3 | < 100 | 610 | < 1 | < 0.1 | 4.86 | 0.3 | 21 | 22.6 | 30 | 3.5 | 104 | 5.7 |
| 717644 | 3.28 | 37 | 5.4 | 1.2 | 2 | < 100 | 332 | < 1 | < 0.1 | 5.28 | 0.2 | 22 | 21.6 | 41 | 3.3 | 77.2 | 6.3 |
| 717645 | 3.86 | 12 | 7.92 | 0.7 | 2 | < 100 | 298 | < 1 | < 0.1 | 5.23 | 0.2 | 22 | 24.1 | 42 | 2.9 | 71.2 | 5.83 |
| 717646 | 3.52 | 21 | 7.65 | 1.5 | 8 | < 100 | 466 | < 1 | < 0.1 | 5.28 | 0.2 | 23 | 24 | 36 | 3.4 | 87 | 6.08 |

Appendix 1. Analytical Results.

| Report Number: A19-13134 | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Report Date: 31/10/2019 | | | | | | | | | | | | | | | | | |
| Analyte Symbol | Received Weight | Au | Al | Ag | As | Au | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu | Fe |
| Unit Symbol | Kg | ppb | % | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % |
| Detection Limit | | 5 | 0.01 | 0.1 | 1 | 100 | 1 | 1 | 0.1 | 0.01 | 0.1 | 1 | 0.2 | 1 | 0.1 | 0.1 | 0.01 |
| Analysis Method | none | FA-AA | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS |
| 717647 | 3.27 | 306 | 7.81 | 3.8 | 19 | < 100 | 528 | < 1 | < 0.1 | 4.54 | 1.5 | 19 | 22.7 | 42 | 4.7 | 449 | 4.81 |
| 717648 | 3.01 | 2390 | 7.03 | 5.2 | 3 | 200 | 400 | < 1 | < 0.1 | 3.49 | 3.8 | 17 | 20.2 | 59 | 3.8 | 533 | 4.74 |
| 717649 | 6.96 | 7 | 8.46 | 0.8 | 1 | < 100 | 446 | < 1 | < 0.1 | 4.67 | 0.3 | 25 | 27.4 | 44 | 3.3 | 45.8 | 6.22 |
| 717650 | 0.102 | 4030 | 7.15 | 18.8 | 11 | 600 | 327 | < 1 | 0.8 | 4.84 | 0.9 | 31 | 38.8 | 407 | 2.1 | 348 | 5.76 |
| 717651 | 6.59 | 7 | 7.88 | 0.6 | 4 | < 100 | 712 | < 1 | < 0.1 | 5.15 | 0.3 | 20 | 24.2 | 46 | 5.6 | 69.8 | 6.2 |
| 717652 | 6.54 | < 5 | 7.87 | 0.6 | < 1 | < 100 | 483 | < 1 | < 0.1 | 4.96 | 0.2 | 20 | 27.5 | 38 | 2.9 | 60.6 | 6.39 |
| 717653 | 6.53 | < 5 | 7.4 | 0.5 | < 1 | < 100 | 539 | < 1 | < 0.1 | 4.92 | 0.2 | 18 | 22.3 | 35 | 3 | 47.4 | 5.42 |
| 717654 | 6.84 | < 5 | 8.43 | 0.4 | 1 | < 100 | 403 | < 1 | < 0.1 | 5.64 | 0.2 | 18 | 24.5 | 48 | 2.5 | 50.2 | 6.15 |
| 717655 | 6.51 | < 5 | 7.92 | 0.4 | 1 | < 100 | 445 | < 1 | < 0.1 | 4.83 | 0.2 | 21 | 26.5 | 46 | 3.2 | 101 | 6.16 |
| 717656 | 6.48 | < 5 | 8.3 | 0.3 | 1 | < 100 | 540 | < 1 | < 0.1 | 4.48 | 0.2 | 23 | 26.4 | 49 | 2.9 | 51.2 | 5.95 |
| 717657 | 3.3 | < 5 | 7.73 | 0.3 | < 1 | < 100 | 485 | < 1 | < 0.1 | 5.15 | 0.2 | 21 | 21.3 | 41 | 2.2 | 65.3 | 5.51 |
| 717658 | 2.71 | 15 | 7.31 | 0.5 | 6 | < 100 | 475 | < 1 | 0.1 | 4.52 | 0.2 | 19 | 22 | 29 | 3.4 | 41.7 | 5.17 |
| 717659 | 3.38 | 8 | 7.14 | 0.6 | 4 | < 100 | 508 | < 1 | 0.2 | 5 | 0.2 | 22 | 25.4 | 47 | 2.8 | 66.1 | 5.71 |
| 717660 | 2.68 | 5 | 7.69 | 0.6 | 6 | < 100 | 477 | < 1 | 0.4 | 4.77 | 0.1 | 19 | 27.4 | 49 | 2 | 88.1 | 5.77 |
| 717661 | 3.33 | 14 | 7.55 | 0.9 | 7 | < 100 | 308 | < 1 | 0.4 | 5.89 | 0.3 | 22 | 30 | 62 | 1.5 | 95.7 | 6.58 |

| Report Number: A19-13134 | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Report Date: 31/10/2019 | | | | | | | | | | | | | | | | | | |
| Analyte Symbol | Hf | K | La | Li | Na | Nb | Ni | P | Pb | Rb | S | Mg | Mn | Mo | Sb | Sc | Sn | Sr |
| Unit Symbol | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | % | ppm | ppm | ppm | ppm | ppm | ppm |
| Detection Limit | 0.1 | 0.01 | 0.1 | 0.1 | 0.001 | 0.1 | 0.1 | 0.001 | 0.1 | 0.1 | 1 | 0.01 | 1 | 0.1 | 0.1 | 1 | 0.1 | 1 |
| Analysis Method | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS |
| 717551 | < 0.1 | 2.61 | 8.1 | 15.9 | 0.711 | < 0.1 | 21.6 | 0.096 | 13.7 | 73.2 | < 1 | 2.24 | 1480 | < 0.1 | < 0.1 | 28 | < 0.1 | 148 |
| 717552 | 0.2 | 2.15 | 6.1 | 10.7 | 0.24 | 1.5 | 50.2 | 0.055 | 50.2 | 61.4 | < 1 | 1.34 | 1950 | 1.4 | 0.8 | 21 | 0.4 | 129 |
| 717553 | 0.1 | 2.04 | 4.6 | 7.6 | 0.226 | 1.3 | 50.1 | 0.043 | 189 | 59.8 | < 1 | 1.24 | 1510 | 1.4 | 0.9 | 17 | 0.3 | 126 |
| 717554 | < 0.1 | 1.8 | 4.1 | 8.9 | 0.192 | 0.8 | 53.5 | 0.03 | 117 | 53.1 | < 1 | 1.33 | 1940 | 1 | 0.6 | 18 | 0.3 | 148 |
| 717555 | 0.2 | 2.59 | 3.3 | 7 | 0.264 | 1.5 | 54.9 | 0.036 | 423 | 75.1 | < 1 | 1.25 | 1640 | 0.6 | 0.7 | 22 | 0.3 | 127 |
| 717556 | 0.1 | 2.58 | 5.1 | 9.2 | 0.246 | 1.2 | 39.9 | 0.054 | 940 | 73.1 | < 1 | 1.32 | 1420 | 0.7 | 0.7 | 22 | 0.3 | 121 |
| 717557 | 0.1 | 2.05 | 7.9 | 13 | 0.254 | 0.2 | 33.1 | 0.092 | 19.4 | 67.5 | < 1 | 1.82 | 1480 | 0.9 | < 0.1 | 29 | < 0.1 | 110 |
| 717558 | < 0.1 | 2.7 | 9.3 | 16.5 | 0.241 | < 0.1 | 62.7 | 0.09 | 21.3 | 79.1 | < 1 | 2.28 | 1760 | < 0.1 | < 0.1 | 41 | < 0.1 | 118 |
| 717559 | < 0.1 | 2.49 | 7 | 14.8 | 0.232 | < 0.1 | 83.7 | 0.063 | 21.1 | 73.9 | < 1 | 2.17 | 1800 | < 0.1 | < 0.1 | 30 | < 0.1 | 128 |
| 717560 | 0.2 | 2.72 | 6.7 | 14.6 | 0.249 | 0.3 | 91.7 | 0.071 | 745 | 79.7 | < 1 | 2.13 | 1510 | 1.7 | 0.4 | 31 | 0.6 | 111 |
| 717561 | 0.1 | 2.84 | 5 | 7.3 | 0.269 | 1.5 | 22.7 | 0.083 | 335 | 83.3 | 2 | 1.05 | 918 | 2 | 0.8 | 18 | 0.3 | 106 |
| 717562 | < 0.1 | 3.27 | 5.8 | 5.9 | 0.301 | 1.4 | 13.1 | 0.082 | 82.1 | 97.2 | < 1 | 0.95 | 733 | 1.2 | 0.9 | 24 | 0.3 | 97 |
| 717563 | < 0.1 | 3.23 | 5.4 | 8.3 | 0.284 | 1.6 | 33.6 | 0.066 | 26.5 | 96.5 | < 1 | 1.43 | 1140 | 0.8 | 0.7 | 30 | 0.5 | 104 |
| 717564 | 0.1 | 3.19 | 7.7 | 8.4 | 0.303 | 0.4 | 12.2 | 0.1 | 24.3 | 91.2 | < 1 | 1.79 | 1530 | < 0.1 | 0.9 | 22 | 0.3 | 119 |
| 717565 | < 0.1 | 2.71 | 7.8 | 11.5 | 0.425 | < 0.1 | 11.1 | 0.093 | 48.6 | 81 | < 1 | 1.85 | 1350 | 1.1 | < 0.1 | 22 | 0.4 | 115 |
| 717566 | < 0.1 | 2.9 | 8.6 | 12.1 | 0.599 | 0.4 | 10.4 | 0.112 | 2520 | 86.6 | < 1 | 1.96 | 1400 | 2.6 | 0.5 | 25 | 0.3 | 127 |
| 717567 | < 0.1 | 2.35 | 7.9 | 11.5 | 0.982 | < 0.1 | 11.8 | 0.099 | 16.2 | 75.1 | < 1 | 1.94 | 1420 | < 0.1 | < 0.1 | 24 | < 0.1 | 142 |
| 717568 | < 0.1 | 3.02 | 8.2 | 11 | 0.417 | < 0.1 | 10.5 | 0.097 | 58.5 | 90.2 | < 1 | 1.92 | 1390 | < 0.1 | < 0.1 | 22 | < 0.1 | 125 |
| 717569 | < 0.1 | 3.15 | 7.7 | 8.4 | 0.408 | < 0.1 | 10.4 | 0.092 | 80.1 | 87.1 | < 1 | 1.8 | 1460 | < 0.1 | < 0.1 | 22 | < 0.1 | 122 |
| 717570 | 0.1 | 3.14 | 6.8 | 3 | 0.308 | 1.5 | 15.2 | 0.09 | 683 | 86.1 | 1 | 1.48 | 1480 | 1.5 | 2.1 | 21 | 0.3 | 112 |
| 717571 | 0.1 | 3.71 | 7.4 | 2.5 | 0.291 | 0.6 | 11.1 | 0.099 | 174 | 98.2 | < 1 | 1.65 | 1460 | 0.3 | 0.8 | 22 | 0.3 | 122 |
| 717572 | 0.1 | 3.3 | 5.8 | 8.7 | 0.229 | 1.5 | 35.7 | 0.067 | 89.9 | 89.2 | < 1 | 1.81 | 2010 | 0.4 | 4 | 30 | 0.5 | 128 |
| 717573 | 0.1 | 2.48 | 10.8 | 9.5 | 0.462 | < 0.1 | 13.9 | 0.087 | 289 | 73 | < 1 | 1.88 | 1580 | < 0.1 | < 0.1 | 20 | 0.2 | 116 |
| 717574 | 0.3 | 2.8 | 7.2 | 9.8 | 0.252 | 0.2 | 22.5 | 0.069 | 85.1 | 83.9 | < 1 | 2.22 | 1870 | < 0.1 | 0.2 | 39 | 0.5 | 120 |

Appendix 1. Analytical Results.

| Report Number: A19-13134 | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Report Date: 31/10/2019 | | | | | | | | | | | | | | | | | | |
| Analyte Symbol | Hf | K | La | Li | Na | Nb | Ni | P | Pb | Rb | S | Mg | Mn | Mo | Sb | Sc | Sn | Sr |
| Unit Symbol | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | % | ppm | ppm | ppm | ppm | ppm | ppm |
| Detection Limit | 0.1 | 0.01 | 0.1 | 0.1 | 0.001 | 0.1 | 0.1 | 0.001 | 0.1 | 0.1 | 1 | 0.01 | 1 | 0.1 | 0.1 | 1 | 0.1 | 1 |
| Analysis Method | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS |
| 717575 | 1.5 | 0.95 | 16.4 | 16.2 | 1.83 | 7.7 | 297 | 0.036 | 232 | 36.8 | < 1 | 5.05 | 1190 | 7.7 | 8.5 | 22 | 0.9 | 250 |
| 717576 | 0.3 | 2.78 | 7 | 14.1 | 0.302 | 0.3 | 17.5 | 0.09 | 21.3 | 82 | < 1 | 2.32 | 1770 | 1.2 | < 0.1 | 31 | < 0.1 | 128 |
| 717577 | < 0.1 | 2.54 | 11.9 | 10.7 | 2.05 | 0.2 | 10.9 | 0.09 | 11.8 | 72.5 | < 1 | 1.81 | 922 | < 0.1 | < 0.1 | 9 | < 0.1 | 148 |
| 717578 | < 0.1 | 2.38 | 7.9 | 14.8 | 0.708 | < 0.1 | 14.9 | 0.097 | 8.4 | 67 | < 1 | 2.15 | 1320 | < 0.1 | < 0.1 | 27 | < 0.1 | 132 |
| 717579 | < 0.1 | 2.4 | 9.8 | 14.9 | 0.615 | < 0.1 | 11.9 | 0.105 | 9.5 | 70.5 | < 1 | 2.16 | 1310 | < 0.1 | < 0.1 | 26 | < 0.1 | 134 |
| 717580 | 1.7 | 1.76 | 15.3 | 2 | 4.13 | 0.4 | 8 | 0.042 | 1.4 | 30 | < 1 | 0.62 | 744 | 1.6 | 0.1 | 8 | 1.6 | 205 |
| 717581 | < 0.1 | 2.82 | 8.7 | 15 | 0.667 | < 0.1 | 9.9 | 0.099 | 10.5 | 86.1 | < 1 | 2.24 | 1110 | < 0.1 | < 0.1 | 27 | < 0.1 | 125 |
| 717582 | 0.1 | 2.14 | 10.2 | 12.6 | 0.889 | 0.2 | 25.3 | 0.106 | 8.4 | 64.2 | < 1 | 1.99 | 1190 | < 0.1 | < 0.1 | 11 | < 0.1 | 142 |
| 717583 | < 0.1 | 2.66 | 9.3 | 11.3 | 0.922 | 0.1 | 10.8 | 0.094 | 10.3 | 77.8 | < 1 | 1.71 | 1110 | < 0.1 | < 0.1 | 18 | < 0.1 | 132 |
| 717584 | < 0.1 | 2 | 8.7 | 12.5 | 1.4 | 0.4 | 14.8 | 0.085 | 7.2 | 63.6 | < 1 | 2.22 | 1300 | < 0.1 | 0.2 | 24 | < 0.1 | 155 |
| 717585 | < 0.1 | 2.55 | 8.8 | 13.5 | 1.2 | < 0.1 | 13.6 | 0.085 | 9.1 | 85.5 | < 1 | 2.11 | 1120 | < 0.1 | < 0.1 | 27 | < 0.1 | 171 |
| 717586 | < 0.1 | 2.27 | 9.2 | 13 | 1.17 | < 0.1 | 10.3 | 0.094 | 8 | 74.8 | < 1 | 2.14 | 1020 | < 0.1 | < 0.1 | 24 | < 0.1 | 155 |
| 717587 | < 0.1 | 1.97 | 8.5 | 14.9 | 1.51 | < 0.1 | 11 | 0.09 | 7.2 | 63.1 | < 1 | 2.47 | 1140 | < 0.1 | < 0.1 | 24 | < 0.1 | 154 |
| 717588 | < 0.1 | 2.31 | 6.6 | 15.1 | 0.714 | < 0.1 | 32.1 | 0.076 | 8.8 | 72.3 | < 1 | 2.19 | 1140 | 0.3 | < 0.1 | 27 | < 0.1 | 129 |
| 717589 | < 0.1 | 2.04 | 6 | 15 | 0.597 | 0.3 | 29.4 | 0.077 | 8.7 | 64.4 | < 1 | 2.48 | 1650 | < 0.1 | 0.1 | 28 | < 0.1 | 150 |
| 717590 | < 0.1 | 2.44 | 7.2 | 11.6 | 0.272 | 1.2 | 13 | 0.08 | 479 | 66.7 | < 1 | 1.98 | 1640 | 0.5 | 0.6 | 22 | 0.2 | 121 |
| 717591 | 0.1 | 3.03 | 7.3 | 10.5 | 0.221 | 2.3 | 19.3 | 0.084 | 797 | 79.6 | < 1 | 1.45 | 2610 | 1.6 | 3 | 24 | 0.3 | 112 |
| 717592 | < 0.1 | 3.11 | 8.8 | 11.5 | 0.223 | < 0.1 | 13.1 | 0.11 | 21.1 | 92 | < 1 | 1.27 | 1440 | < 0.1 | < 0.1 | 26 | 0.2 | 105 |
| 717593 | < 0.1 | 2.93 | 9.6 | 11.3 | 0.215 | < 0.1 | 16.3 | 0.104 | 11.6 | 89.7 | < 1 | 2.1 | 1420 | < 0.1 | < 0.1 | 27 | < 0.1 | 106 |
| 717594 | 0.2 | 4.03 | 10.9 | 4.3 | 0.299 | 2.3 | 14.4 | 0.103 | 20.9 | 119 | 1 | 0.47 | 668 | 1.6 | 2.3 | 31 | 0.7 | 91 |
| 717595 | 0.2 | 2.3 | 7.5 | 5.7 | 0.194 | 2.2 | 13.6 | 0.076 | 173 | 74.3 | 1 | 0.89 | 609 | 2.6 | 1.5 | 24 | 0.4 | 70 |
| 717596 | 0.3 | 2.16 | 7.6 | 6.9 | 0.173 | 1.7 | 12.6 | 0.131 | 2250 | 67 | 1 | 1.32 | 898 | 5.5 | 1.1 | 10 | 0.3 | 84 |
| 717597 | 0.2 | 1.88 | 6.4 | 3.3 | 0.176 | 2 | 8.8 | 0.094 | > 5000 | 61.4 | 2 | 0.92 | 1020 | 0.6 | 3.1 | 6 | 0.2 | 80 |
| 717598 | 0.3 | 3.4 | 11.3 | 7.2 | 0.218 | 1.5 | 6.8 | 0.234 | 32.9 | 103 | < 1 | 1.47 | 1720 | 0.2 | 0.5 | 9 | 0.4 | 122 |
| 717599 | 0.4 | 3.63 | 10.2 | 9 | 0.236 | 2.3 | 3.4 | 0.283 | 15.8 | 113 | < 1 | 1.61 | 1500 | < 0.1 | 0.6 | 10 | 0.5 | 112 |
| 717600 | 2.3 | 1.7 | 15.7 | 2.4 | 3.85 | 5.7 | 6.7 | 0.051 | 71.2 | 32.1 | < 1 | 0.68 | 846 | 13.7 | 3.5 | 8 | 1.2 | 202 |
| 717601 | 0.3 | 3.25 | 10.3 | 7.7 | 0.207 | 2.1 | 4.2 | 0.225 | 20.3 | 100 | < 1 | 1.47 | 1450 | 0.5 | 0.5 | 9 | 0.5 | 117 |
| 717602 | < 0.1 | 3.45 | 9.9 | 6.1 | 0.268 | 0.3 | 12 | 0.108 | 20 | 103 | < 1 | 1.41 | 1040 | 1.1 | < 0.1 | 9 | < 0.1 | 107 |
| 717603 | 0.2 | 1.21 | 7.2 | 25 | 0.605 | < 0.1 | 29 | 0.097 | 32.1 | 39.5 | < 1 | 3.4 | 1470 | 0.3 | < 0.1 | 52 | < 0.1 | 398 |
| 717604 | < 0.1 | 2.17 | 5.1 | 12.9 | 0.239 | < 0.1 | 23.6 | 0.072 | 25 | 75.5 | < 1 | 2.09 | 1540 | < 0.1 | < 0.1 | 38 | < 0.1 | 279 |
| 717605 | 0.1 | 3.17 | 6 | 7.9 | 0.157 | < 0.1 | 19 | 0.088 | 14.8 | 89.7 | < 1 | 2.35 | 1430 | 0.4 | 0.2 | 30 | 0.4 | 123 |
| 717606 | 0.2 | 3.18 | 5.6 | 6 | 0.155 | 1.1 | 14.8 | 0.084 | 13.8 | 89.7 | 1 | 1.77 | 1430 | 5.3 | 0.9 | 23 | 0.4 | 140 |
| 717607 | 0.2 | 3.08 | 5.3 | 9.3 | 0.157 | 1.5 | 12.8 | 0.089 | 78.5 | 88.8 | 3 | 1.52 | 1560 | 0.4 | 1.2 | 20 | 0.4 | 184 |
| 717608 | 0.1 | 2.36 | 8.8 | 19 | 1.6 | 0.6 | 12.2 | 0.121 | 17.7 | 73.9 | < 1 | 1.96 | 1540 | 0.1 | 0.5 | 23 | 0.3 | 418 |
| 717609 | 0.2 | 1.78 | 8.7 | 16.8 | 2.53 | 1.3 | 11.7 | 0.091 | 17.9 | 53 | 2 | 1.83 | 1600 | 0.5 | 0.8 | 22 | 0.3 | 426 |
| 717610 | 0.2 | 2.16 | 8.8 | 17.6 | 2.02 | 1 | 12.4 | 0.103 | 13.7 | 66.4 | < 1 | 2.1 | 1720 | 0.6 | 0.7 | 23 | 0.3 | 356 |
| 717611 | < 0.1 | 3.04 | 10.9 | 17.6 | 0.699 | < 0.1 | 25.6 | 0.148 | 7.7 | 98.6 | < 1 | 2.53 | 1220 | < 0.1 | < 0.1 | 30 | < 0.1 | 204 |
| 717612 | < 0.1 | 2.83 | 9 | 17.3 | 0.474 | < 0.1 | 38.4 | 0.112 | 9.4 | 92.9 | < 1 | 2.39 | 1920 | < 0.1 | < 0.1 | 36 | < 0.1 | 234 |
| 717613 | 0.3 | 1.59 | 8.5 | 16.9 | 0.491 | 0.5 | 42.7 | 0.1 | 6.7 | 48 | < 1 | 2.53 | 2330 | 0.2 | 0.4 | 28 | 0.1 | 291 |
| 717614 | 0.1 | 2.5 | 9.1 | 20.3 | 1.04 | < 0.1 | 58.2 | 0.121 | 10.2 | 72 | < 1 | 2.65 | 1750 | < 0.1 | 0.2 | 34 | < 0.1 | 429 |
| 717615 | < 0.1 | 2.48 | 8.2 | 21.5 | 0.983 | < 0.1 | 58.4 | 0.101 | 13.6 | 71.7 | < 1 | 2.75 | 2690 | < 0.1 | 0.3 | 27 | < 0.1 | 295 |
| 717616 | < 0.1 | 2.9 | 10.7 | 21.8 | 0.915 | < 0.1 | 45.3 | 0.148 | 7.5 | 90.8 | < 1 | 2.64 | 1410 | < 0.1 | < 0.1 | 30 | < 0.1 | 289 |
| 717617 | < 0.1 | 2.69 | 9.5 | 21.4 | 0.92 | < 0.1 | 34.6 | 0.142 | 6 | 83.2 | < 1 | 2.37 | 1650 | < 0.1 | < 0.1 | 29 | < 0.1 | 336 |
| 717618 | < 0.1 | 2.91 | 9.7 | 27.8 | 0.699 | < 0.1 | 37 | 0.174 | 8.3 | 95.6 | < 1 | 2.71 | 1580 | < 0.1 | < 0.1 | 33 | < 0.1 | 325 |
| 717619 | < 0.1 | 2.5 | 9.1 | 24.4 | 0.724 | 0.1 | 32.4 | 0.149 | 7.1 | 80.7 | < 1 | 2.31 | 1450 | < 0.1 | 0.2 | 29 | 0.4 | 376 |
| 717620 | < 0.1 | 3.05 | 10.4 | 20 | 1.17 | < 0.1 | 15.9 | 0.142 | 9.1 | 99 | < 1 | 2.29 | 1410 | < 0.1 | 0.3 | 29 | 0.2 | 405 |
| 717621 | < 0.1 | 3.23 | 9.8 | 15 | 0.667 | 0.3 | 16.3 | 0.13 | 11.7 | 98.8 | < 1 | 1.89 | 1640 | < 0.1 | < 0.1 | 24 | < 0.1 | 226 |
| 717622 | < 0.1 | 2.59 | 7.9 | 16.4 | 0.42 | 1.2 | 26.5 | 0.136 | 10.7 | 71.6 | < 1 | 2.22 | 1720 | < 0.1 | 0.2 | 29 | 0.3 | 186 |

Appendix 1. Analytical Results.

| Report Number: A19-13134 | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Report Date: 31/10/2019 | | | | | | | | | | | | | | | | | | |
| Analyte Symbol | Hf | K | La | Li | Na | Nb | Ni | P | Pb | Rb | S | Mg | Mn | Mo | Sb | Sc | Sn | Sr |
| Unit Symbol | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | % | ppm | ppm | ppm | ppm | ppm | ppm |
| Detection Limit | 0.1 | 0.01 | 0.1 | 0.1 | 0.001 | 0.1 | 0.1 | 0.001 | 0.1 | 0.1 | 1 | 0.01 | 1 | 0.1 | 0.1 | 1 | 0.1 | 1 |
| Analysis Method | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS |
| 717623 | < 0.1 | 1.66 | 7.7 | 11 | 0.161 | < 0.1 | 19.9 | 0.088 | 16.8 | 71.1 | < 1 | 1.34 | 1470 | 0.1 | < 0.1 | 19 | < 0.1 | 133 |
| 717624 | 0.1 | 3.07 | 6.9 | 12.1 | 0.285 | 1.5 | 12 | 0.101 | 1840 | 93.1 | < 1 | 1.45 | 1130 | 0.5 | 1.1 | 22 | 0.3 | 137 |
| 717625 | 0.5 | 2.46 | 9 | 7.9 | 2.38 | 5.3 | 11.7 | 0.084 | 15.7 | 63.6 | < 1 | 0.8 | 731 | 5.2 | 0.2 | 6 | 2.9 | 639 |
| 717626 | < 0.1 | 2.97 | 8.3 | 14.8 | 0.473 | < 0.1 | 24.4 | 0.109 | 407 | 97 | < 1 | 1.75 | 1430 | < 0.1 | 0.3 | 27 | 0.4 | 153 |
| 717627 | < 0.1 | 2.89 | 10.5 | 13.7 | 0.531 | 1.1 | 12.6 | 0.112 | 230 | 94.8 | < 1 | 1.35 | 1310 | 1.3 | 0.9 | 20 | 0.4 | 154 |
| 717628 | 0.1 | 2.93 | 8.6 | 16.3 | 0.499 | 1.4 | 14.9 | 0.129 | 17.9 | 99.3 | < 1 | 1.42 | 1350 | 0.7 | 1 | 27 | 0.5 | 160 |
| 717629 | < 0.1 | 2.9 | 9 | 15.5 | 0.8 | < 0.1 | 16.5 | 0.11 | 16.6 | 102 | < 1 | 1.57 | 1310 | < 0.1 | < 0.1 | 28 | < 0.1 | 275 |
| 717630 | 0.2 | 2.23 | 7.4 | 19 | 1.36 | 0.7 | 46 | 0.09 | 18.6 | 76.1 | < 1 | 1.91 | 1550 | < 0.1 | 0.2 | 26 | 0.4 | 431 |
| 717631 | 0.3 | 2.1 | 5.6 | 23.1 | 1.21 | 1.9 | 80.1 | 0.08 | 21.1 | 68.5 | < 1 | 2.19 | 1850 | < 0.1 | 0.5 | 30 | 0.4 | 573 |
| 717632 | 0.1 | 2.85 | 7.6 | 18.3 | 0.388 | 1.6 | 25.3 | 0.129 | 23.6 | 89.6 | < 1 | 1.66 | 1680 | 0.3 | 0.3 | 27 | 0.5 | 233 |
| 717633 | < 0.1 | 3.13 | 9 | 16.6 | 0.181 | < 0.1 | 12.6 | 0.115 | 42.7 | 103 | < 1 | 1.38 | 1480 | < 0.1 | < 0.1 | 22 | 0.2 | 136 |
| 717634 | < 0.1 | 3.56 | 10.6 | 14.3 | 0.339 | < 0.1 | 14.5 | 0.132 | 20.8 | 113 | < 1 | 1.42 | 1360 | < 0.1 | < 0.1 | 24 | 0.3 | 156 |
| 717635 | < 0.1 | 3.08 | 7.7 | 11.7 | 0.168 | 0.9 | 22.4 | 0.092 | 1860 | 105 | < 1 | 0.96 | 1470 | 0.3 | 1.3 | 23 | 0.4 | 210 |
| 717636 | 0.2 | 2.37 | 5.5 | 12.8 | 0.157 | 0.4 | 24.8 | 0.078 | 234 | 81.4 | < 1 | 1.26 | 998 | 0.3 | 0.6 | 40 | 0.5 | 92 |
| 717637 | 0.3 | 2.72 | 6.9 | 12.4 | 0.14 | 1.9 | 32.3 | 0.111 | 817 | 87.2 | < 1 | 1.42 | 1530 | 1.2 | 1.5 | 17 | 0.3 | 122 |
| 717638 | 0.3 | 2.8 | 7.1 | 6 | 0.107 | 1.6 | 18.1 | 0.057 | 97.5 | 87.8 | < 1 | 0.84 | 4210 | 1.6 | 4.3 | 20 | 0.2 | 86 |
| 717639 | 0.2 | 2.89 | 9 | 11.9 | 0.414 | 2.5 | 23.7 | 0.106 | 134 | 96.9 | < 1 | 1.51 | 2290 | 0.3 | 0.8 | 30 | 0.6 | 180 |
| 717640 | 1.8 | 1.49 | 14.3 | 1.5 | 3.25 | 2.7 | 7.9 | 0.038 | 0.5 | 30.2 | < 1 | 0.52 | 715 | 4 | 0.1 | 6 | 1.8 | 201 |
| 717641 | 0.1 | 2.11 | 8.6 | 12.6 | 1.33 | < 0.1 | 16.2 | 0.082 | 33.7 | 74.9 | < 1 | 1.51 | 1560 | < 0.1 | < 0.1 | 23 | < 0.1 | 235 |
| 717642 | 0.1 | 2.27 | 8.3 | 15.5 | 1.3 | 0.1 | 12.9 | 0.099 | 23.6 | 79.5 | < 1 | 1.59 | 1680 | < 0.1 | < 0.1 | 22 | < 0.1 | 261 |
| 717643 | 0.2 | 2.75 | 8.6 | 14.2 | 0.628 | 0.5 | 19.7 | 0.11 | 24.4 | 91.4 | < 1 | 1.45 | 1720 | 0.1 | 0.5 | 24 | 0.4 | 162 |
| 717644 | 0.2 | 1.57 | 8.6 | 18.5 | 0.989 | < 0.1 | 28.5 | 0.09 | 19.9 | 51.8 | < 1 | 2.22 | 1700 | < 0.1 | < 0.1 | 33 | 0.6 | 244 |
| 717645 | 0.3 | 1.29 | 8.4 | 16.8 | 1.7 | 0.4 | 24.5 | 0.098 | 28.8 | 43.8 | < 1 | 2.38 | 1150 | 0.1 | < 0.1 | 31 | 0.2 | 358 |
| 717646 | 0.3 | 2.16 | 9 | 14.3 | 0.894 | 0.3 | 22.7 | 0.109 | 31.3 | 66.7 | < 1 | 2.2 | 1900 | < 0.1 | 0.2 | 30 | 0.2 | 173 |
| 717647 | 0.3 | 3.58 | 7.3 | 6.2 | 0.147 | 2.2 | 20.4 | 0.09 | 473 | 111 | 1 | 1.21 | 2320 | 0.4 | 3.7 | 25 | 0.6 | 99 |
| 717648 | 0.3 | 3.05 | 7.1 | 6.6 | 0.191 | 2.6 | 21.5 | 0.086 | 713 | 96.7 | 1 | 1.18 | 1400 | 0.9 | 4.3 | 19 | 0.4 | 97 |
| 717649 | 0.2 | 2.01 | 11.2 | 12.4 | 1.2 | < 0.1 | 31.7 | 0.101 | 15.2 | 68.2 | < 1 | 2.09 | 1600 | < 0.1 | < 0.1 | 24 | < 0.1 | 175 |
| 717650 | 1.3 | 0.87 | 16.1 | 13.5 | 1.54 | 6.5 | 308 | 0.036 | 228 | 37.9 | < 1 | 4.72 | 1160 | 7.3 | 3.2 | 19 | 0.7 | 245 |
| 717651 | 0.2 | 2.72 | 9.2 | 7.9 | 0.489 | < 0.1 | 24 | 0.093 | 13.8 | 79.4 | < 1 | 2.19 | 1370 | < 0.1 | < 0.1 | 27 | 0.4 | 151 |
| 717652 | 0.2 | 1.61 | 8.5 | 11.2 | 1.5 | 0.1 | 27.9 | 0.092 | 9.2 | 55.8 | < 1 | 2.4 | 1140 | < 0.1 | < 0.1 | 27 | 0.9 | 174 |
| 717653 | 0.2 | 1.65 | 7.5 | 12 | 1.43 | 0.3 | 20.5 | 0.072 | 9 | 56.7 | < 1 | 2.07 | 1030 | < 0.1 | < 0.1 | 22 | 0.2 | 201 |
| 717654 | 0.1 | 1.03 | 8.2 | 13.3 | 1.78 | < 0.1 | 24.8 | 0.074 | 23.5 | 35.3 | < 1 | 2.7 | 1140 | < 0.1 | < 0.1 | 25 | < 0.1 | 396 |
| 717655 | 0.2 | 1.79 | 8.9 | 11.2 | 0.986 | 0.2 | 26.8 | 0.084 | 17.1 | 61.6 | < 1 | 2.23 | 1490 | < 0.1 | < 0.1 | 27 | 0.1 | 149 |
| 717656 | 0.1 | 1.96 | 10 | 11.1 | 1.29 | < 0.1 | 28.8 | 0.097 | 10.2 | 66.1 | < 1 | 2.13 | 1270 | < 0.1 | < 0.1 | 25 | < 0.1 | 187 |
| 717657 | < 0.1 | 1.61 | 9.3 | 10.8 | 1.58 | < 0.1 | 22 | 0.094 | 7.6 | 54.2 | < 1 | 2.17 | 1320 | < 0.1 | < 0.1 | 19 | < 0.1 | 164 |
| 717658 | 0.2 | 2.24 | 8.3 | 9.7 | 0.933 | 1.9 | 19.3 | 0.081 | 9.4 | 71.1 | < 1 | 1.64 | 1230 | 0.3 | 0.5 | 24 | 0.5 | 153 |
| 717659 | 0.2 | 1.34 | 9.6 | 16 | 1.44 | 0.3 | 28.3 | 0.079 | 21.2 | 48.2 | < 1 | 2.05 | 1180 | < 0.1 | 0.3 | 25 | 0.5 | 450 |
| 717660 | 0.3 | 0.89 | 8 | 17.8 | 1.82 | 2.1 | 34.2 | 0.084 | 16.3 | 30.9 | 1 | 2.21 | 1110 | 0.3 | 0.6 | 24 | 0.6 | 672 |
| 717661 | 0.3 | 0.61 | 8.5 | 17.9 | 1.74 | 0.7 | 29.2 | 0.093 | 38.4 | 18.4 | 1 | 2.24 | 1370 | < 0.1 | 0.1 | 29 | 0.8 | 588 |

Appendix 1. Analytical Results.

| Report Number: A19-13134 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Report Date: 31/10/2019 | | | | | | | | | | | | |
| Analyte Symbol | Ta | Th | Ti | Tl | U | V | W | Y | Zn | Zr | Cu | Pb |
| Unit Symbol | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| Detection Limit | 0.1 | 0.1 | 0.001 | 0.05 | 0.1 | 4 | 0.1 | 0.1 | 1 | 0.1 | 0.001 | 0.003 |
| Analysis Method | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | 4Acid ICPOES | 4Acid ICPOES |
| 717551 | < 0.1 | 1 | 0.116 | 0.8 | 0.4 | 100 | 0.3 | 12.7 | 125 | 1.3 | | |
| 717552 | < 0.1 | 0.9 | 0.388 | 0.67 | 0.5 | 155 | 1.1 | 11.8 | 288 | 6.2 | | |
| 717553 | < 0.1 | 0.7 | 0.323 | 0.66 | 0.4 | 135 | 1 | 10.6 | 330 | 3.7 | | |
| 717554 | < 0.1 | 0.7 | 0.271 | 0.6 | 0.6 | 109 | 0.6 | 9.5 | 433 | 2.5 | | |
| 717555 | 0.1 | 0.5 | 0.356 | 0.86 | 0.6 | 148 | 1.3 | 8.5 | 512 | 3.9 | | |
| 717556 | < 0.1 | 1 | 0.398 | 0.86 | 0.7 | 164 | 0.9 | 9.4 | 387 | 2.5 | | |
| 717557 | < 0.1 | 1.9 | 0.156 | 0.85 | 0.8 | 118 | 0.3 | 12.6 | 287 | 2 | | |
| 717558 | < 0.1 | 1.6 | 0.192 | 0.8 | 1 | 148 | 0.2 | 16.7 | 307 | 0.9 | | |
| 717559 | < 0.1 | 1.3 | 0.095 | 0.76 | 0.7 | 90 | 0.1 | 13 | 343 | 2 | | |
| 717560 | < 0.1 | 1.6 | 0.337 | 0.89 | 0.8 | 116 | 0.1 | 11 | 466 | 2.8 | | |
| 717561 | < 0.1 | 1.1 | 0.476 | 0.91 | 0.6 | 193 | 2.9 | 7.7 | 445 | 5.3 | | |
| 717562 | < 0.1 | 1.2 | 0.479 | 1.05 | 0.8 | 214 | 2.2 | 8.3 | 258 | 2.6 | | |
| 717563 | < 0.1 | 1.1 | 0.53 | 1.07 | 0.5 | 223 | 1.5 | 9 | 258 | 2.1 | | |
| 717564 | < 0.1 | 1.7 | 0.468 | 1.02 | 0.7 | 159 | 0.2 | 10.2 | 228 | 2.4 | | |
| 717565 | < 0.1 | 1.4 | 0.27 | 0.95 | 0.7 | 106 | < 0.1 | 9.9 | 310 | 1.6 | | |
| 717566 | < 0.1 | 1.6 | 0.412 | 1.02 | 0.9 | 118 | 0.2 | 11.3 | 884 | 1.6 | | |
| 717567 | < 0.1 | 1.5 | 0.115 | 0.8 | 0.8 | 62 | < 0.1 | 11.4 | 270 | 1.1 | | |
| 717568 | < 0.1 | 2 | 0.162 | 0.98 | 0.9 | 101 | < 0.1 | 12.2 | 252 | 2.3 | | |
| 717569 | < 0.1 | 1.9 | 0.201 | 0.95 | 0.8 | 116 | < 0.1 | 11.6 | 352 | 2.1 | | |
| 717570 | < 0.1 | 1.3 | 0.462 | 0.98 | 0.6 | 172 | 1.5 | 10.6 | 1700 | 2.4 | | |
| 717571 | < 0.1 | 1.6 | 0.441 | 1.19 | 0.6 | 150 | 0.3 | 10.5 | 262 | 2.9 | | |
| 717572 | < 0.1 | 1 | 0.48 | 1.09 | 0.6 | 196 | 1.1 | 10.6 | 358 | 3.9 | | |
| 717573 | < 0.1 | 1.3 | 0.185 | 0.85 | 0.6 | 102 | < 0.1 | 7.8 | 223 | 2.7 | | |
| 717574 | < 0.1 | 0.8 | 0.357 | 0.92 | 0.6 | 165 | < 0.1 | 10.6 | 188 | 4.6 | | |
| 717575 | 0.4 | 4.9 | 0.22 | 0.39 | 1.7 | 131 | 3 | 17.6 | 171 | 33.6 | | |
| 717576 | < 0.1 | 1 | 0.382 | 0.76 | 0.6 | 235 | < 0.1 | 12.1 | 151 | 5.1 | | |
| 717577 | < 0.1 | 1.1 | 0.23 | 0.83 | 0.4 | 87 | < 0.1 | 6.5 | 87 | 2 | | |
| 717578 | < 0.1 | 2.1 | 0.153 | 0.64 | 0.7 | 91 | < 0.1 | 14.8 | 113 | 2.2 | | |
| 717579 | < 0.1 | 1.3 | 0.136 | 0.68 | 0.7 | 74 | < 0.1 | 16.3 | 100 | 1.7 | | |
| 717580 | < 0.1 | 2.8 | 0.145 | 0.23 | 1.5 | 29 | < 0.1 | 16 | 39 | 52.6 | | |
| 717581 | < 0.1 | 1.7 | 0.143 | 0.83 | 0.9 | 111 | < 0.1 | 13.4 | 103 | 1.3 | | |
| 717582 | < 0.1 | 2 | 0.276 | 0.6 | 0.7 | 97 | < 0.1 | 11.5 | 96 | 4.8 | | |
| 717583 | < 0.1 | 2.2 | 0.211 | 0.81 | 1 | 92 | < 0.1 | 12.9 | 79 | 2.8 | | |
| 717584 | < 0.1 | 2.1 | 0.197 | 0.64 | 0.7 | 91 | < 0.1 | 14.3 | 92 | 2 | | |
| 717585 | < 0.1 | 1.6 | 0.11 | 0.84 | 0.7 | 57 | < 0.1 | 16.1 | 79 | 1.4 | | |
| 717586 | < 0.1 | 1.6 | 0.125 | 0.76 | 0.8 | 77 | < 0.1 | 15.2 | 80 | 0.8 | | |
| 717587 | < 0.1 | 1.3 | 0.11 | 0.62 | 0.7 | 81 | < 0.1 | 13.4 | 83 | 0.6 | | |
| 717588 | < 0.1 | 1.4 | 0.11 | 0.69 | 0.8 | 74 | < 0.1 | 15.4 | 84 | 0.9 | | |
| 717589 | < 0.1 | 1.1 | 0.249 | 0.59 | 0.6 | 115 | < 0.1 | 13.7 | 136 | 1.9 | | |
| 717590 | < 0.1 | 0.9 | 0.43 | 0.68 | 0.4 | 174 | 0.1 | 13.8 | 886 | 2.3 | | |
| 717591 | < 0.1 | 1 | 0.464 | 0.93 | 0.6 | 201 | 1.4 | 13.7 | 1060 | 2.7 | | |
| 717592 | < 0.1 | 1.1 | 0.307 | 1.02 | 0.6 | 187 | < 0.1 | 14.8 | 239 | 2.2 | | |
| 717593 | < 0.1 | 1.6 | 0.215 | 0.95 | 0.9 | 161 | < 0.1 | 15 | 174 | 2.3 | | |
| 717594 | < 0.1 | 1.1 | 0.523 | 1.33 | 0.6 | 265 | 2.7 | 17.4 | 136 | 4.2 | | |
| 717595 | < 0.1 | 0.6 | 0.413 | 0.76 | 0.4 | 204 | 2.2 | 14.8 | 244 | 5.3 | | |
| 717596 | < 0.1 | 0.9 | 0.29 | 0.7 | 0.4 | 135 | 0.6 | 10.7 | 1020 | 9.2 | | |
| 717597 | < 0.1 | 0.8 | 0.224 | 0.75 | 0.5 | 103 | 0.5 | 8.3 | 5170 | 3.4 | | 1.51 |
| 717598 | < 0.1 | 2 | 0.364 | 1.09 | 0.8 | 143 | 0.3 | 16.3 | 257 | 5.9 | | |

Appendix 1. Analytical Results.

| Report Number: A19-13134 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Report Date: 31/10/2019 | | | | | | | | | | | | |
| Analyte Symbol | Ta | Th | Ti | Tl | U | V | W | Y | Zn | Zr | Cu | Pb |
| Unit Symbol | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| Detection Limit | 0.1 | 0.1 | 0.001 | 0.05 | 0.1 | 4 | 0.1 | 0.1 | 1 | 0.1 | 0.001 | 0.003 |
| Analysis Method | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | 4Acid ICPOES | 4Acid ICPOES |
| 717599 | < 0.1 | 1.4 | 0.468 | 1.18 | 0.7 | 168 | 0.5 | 16.5 | 197 | 6.7 | | |
| 717600 | 0.4 | 3.4 | 0.25 | 0.33 | 1.5 | 50 | 7.1 | 17.3 | 103 | 70.6 | | |
| 717601 | < 0.1 | 1.4 | 0.383 | 0.97 | 0.6 | 142 | 0.6 | 16.3 | 144 | 5 | | |
| 717602 | < 0.1 | 1.1 | 0.175 | 1.13 | 0.5 | 77 | < 0.1 | 7.2 | 92 | 2 | | |
| 717603 | < 0.1 | 1.1 | 0.15 | 0.42 | 0.7 | 110 | < 0.1 | 12.5 | 126 | 3.7 | | |
| 717604 | < 0.1 | 0.8 | 0.102 | 0.78 | 0.6 | 116 | 0.2 | 11.5 | 120 | 2.7 | | |
| 717605 | < 0.1 | 1.2 | 0.296 | 1 | 0.6 | 161 | < 0.1 | 10.3 | 128 | 3.3 | | |
| 717606 | < 0.1 | 1.2 | 0.475 | 0.91 | 0.5 | 216 | 0.5 | 11.4 | 136 | 2.9 | | |
| 717607 | < 0.1 | 0.9 | 0.45 | 0.95 | 0.5 | 202 | 0.7 | 11.2 | 518 | 2.5 | | |
| 717608 | < 0.1 | 1.2 | 0.485 | 0.86 | 0.7 | 161 | < 0.1 | 12.6 | 212 | 2.5 | | |
| 717609 | < 0.1 | 1.3 | 0.478 | 0.63 | 0.6 | 185 | 0.1 | 10.7 | 101 | 3.4 | | |
| 717610 | < 0.1 | 1.4 | 0.491 | 0.74 | 0.7 | 195 | 0.2 | 11.2 | 178 | 2.6 | | |
| 717611 | < 0.1 | 1.5 | 0.194 | 0.99 | 0.6 | 144 | < 0.1 | 20.4 | 88 | 1.3 | | |
| 717612 | < 0.1 | 0.7 | 0.138 | 0.93 | 0.4 | 121 | < 0.1 | 24.4 | 75 | 1.1 | | |
| 717613 | < 0.1 | 0.9 | 0.361 | 0.55 | 0.9 | 176 | < 0.1 | 26.5 | 104 | 6.2 | | |
| 717614 | < 0.1 | 0.8 | 0.248 | 0.82 | 0.4 | 151 | < 0.1 | 24.6 | 91 | 3.9 | | |
| 717615 | < 0.1 | 1 | 0.195 | 0.8 | 0.5 | 137 | < 0.1 | 18.4 | 105 | 2.8 | | |
| 717616 | < 0.1 | 1.2 | 0.167 | 0.97 | 0.9 | 108 | < 0.1 | 21.1 | 105 | 2.2 | | |
| 717617 | < 0.1 | 1.4 | 0.18 | 0.84 | 0.6 | 124 | < 0.1 | 22 | 106 | 1.5 | | |
| 717618 | < 0.1 | 0.7 | 0.187 | 0.94 | 0.3 | 147 | < 0.1 | 24 | 118 | 2.1 | | |
| 717619 | < 0.1 | 0.5 | 0.323 | 0.81 | 0.3 | 142 | < 0.1 | 21.2 | 116 | 2.7 | | |
| 717620 | < 0.1 | 1 | 0.296 | 1.02 | 0.4 | 154 | < 0.1 | 18.4 | 118 | 2 | | |
| 717621 | < 0.1 | 1 | 0.396 | 1.03 | 0.5 | 201 | < 0.1 | 16.2 | 132 | 2.5 | | |
| 717622 | < 0.1 | 0.4 | 0.602 | 0.84 | 0.3 | 277 | 0.3 | 18 | 213 | 3.4 | | |
| 717623 | < 0.1 | 1.5 | 0.215 | 0.83 | 1.2 | 124 | 0.1 | 15.9 | 339 | 1.9 | | |
| 717624 | < 0.1 | 2 | 0.476 | 1.07 | 0.9 | 208 | 0.9 | 13.3 | 3240 | 2.7 | | |
| 717625 | 0.2 | 2.9 | 0.269 | 0.48 | 0.6 | 103 | < 0.1 | 6.8 | 160 | 15.7 | 1.74 | |
| 717626 | < 0.1 | 2 | 0.332 | 1 | 0.9 | 136 | < 0.1 | 14.3 | 905 | 1.7 | | |
| 717627 | < 0.1 | 2.2 | 0.443 | 1 | 0.8 | 190 | 1.2 | 12.9 | 321 | 1.8 | | |
| 717628 | < 0.1 | 1.6 | 0.55 | 1.04 | 0.6 | 236 | 1.3 | 15.8 | 224 | 3.5 | | |
| 717629 | < 0.1 | 1.1 | 0.162 | 1.02 | 0.6 | 147 | < 0.1 | 18.5 | 148 | 1.2 | | |
| 717630 | < 0.1 | 1 | 0.389 | 0.75 | 0.4 | 197 | < 0.1 | 17.2 | 135 | 3.3 | | |
| 717631 | < 0.1 | 0.7 | 0.508 | 0.7 | 0.4 | 215 | 0.1 | 17.5 | 189 | 4.6 | | |
| 717632 | < 0.1 | 1.3 | 0.517 | 0.94 | 1 | 235 | 0.2 | 13.7 | 186 | 3.8 | | |
| 717633 | < 0.1 | 1.5 | 0.232 | 1.03 | 0.6 | 147 | < 0.1 | 16.6 | 246 | 1.4 | | |
| 717634 | < 0.1 | 1.7 | 0.332 | 1.3 | 0.8 | 161 | < 0.1 | 15.3 | 395 | 1.8 | | |
| 717635 | < 0.1 | 0.9 | 0.445 | 1.12 | 0.4 | 193 | 0.5 | 15 | 467 | 2.2 | | |
| 717636 | < 0.1 | 0.5 | 0.449 | 0.81 | 0.4 | 217 | 0.2 | 10.5 | 616 | 3.8 | | |
| 717637 | 0.1 | 2.2 | 0.389 | 0.95 | 0.6 | 189 | 0.8 | 11.1 | 665 | 9.1 | | |
| 717638 | < 0.1 | 2.1 | 0.338 | 0.83 | 0.6 | 166 | 1.7 | 9.9 | 503 | 6.3 | | |
| 717639 | < 0.1 | 1.5 | 0.487 | 1.04 | 0.7 | 221 | 1.2 | 19.5 | 390 | 4.5 | | |
| 717640 | < 0.1 | 2.7 | 0.2 | 0.21 | 1.2 | 34 | < 0.1 | 16.5 | 42 | 63.6 | | |
| 717641 | < 0.1 | 1.8 | 0.133 | 0.71 | 0.7 | 87 | < 0.1 | 17.6 | 277 | 3.1 | | |
| 717642 | < 0.1 | 1.1 | 0.201 | 0.79 | 0.5 | 130 | < 0.1 | 15.7 | 291 | 2.3 | | |
| 717643 | < 0.1 | 1.4 | 0.338 | 0.96 | 0.8 | 167 | < 0.1 | 20 | 200 | 3.3 | | |
| 717644 | < 0.1 | 1.1 | 0.27 | 0.57 | 0.5 | 145 | < 0.1 | 27.6 | 125 | 2.9 | | |
| 717645 | < 0.1 | 1.1 | 0.35 | 0.4 | 0.4 | 173 | < 0.1 | 28.8 | 85 | 4.9 | | |
| 717646 | < 0.1 | 1.2 | 0.336 | 0.65 | 0.8 | 185 | < 0.1 | 25.7 | 109 | 4.4 | | |

Appendix 1. Analytical Results.

| Report Number: A19-13134 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Report Date: 31/10/2019 | | | | | | | | | | | | |
| Analyte Symbol | Ta | Th | Ti | Tl | U | V | W | Y | Zn | Zr | Cu | Pb |
| Unit Symbol | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| Detection Limit | 0.1 | 0.1 | 0.001 | 0.05 | 0.1 | 4 | 0.1 | 0.1 | 1 | 0.1 | 0.001 | 0.003 |
| Analysis Method | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | TD-MS | 4Acid ICPOES | 4Acid ICPOES |
| 717647 | < 0.1 | 1.1 | 0.423 | 1.08 | 0.5 | 210 | 1.1 | 20.4 | 205 | 4.9 | | |
| 717648 | < 0.1 | 1.1 | 0.411 | 1.06 | 0.4 | 190 | 0.9 | 14.9 | 388 | 6.4 | | |
| 717649 | < 0.1 | 1.2 | 0.171 | 0.71 | 0.6 | 137 | < 0.1 | 18.2 | 250 | 3.1 | | |
| 717650 | 0.1 | 5 | 0.21 | 0.34 | 1.7 | 117 | 1.8 | 18.5 | 177 | 34.9 | | |
| 717651 | < 0.1 | 1.4 | 0.214 | 0.95 | 0.5 | 141 | < 0.1 | 18.8 | 105 | 2 | | |
| 717652 | < 0.1 | 1.4 | 0.331 | 0.58 | 0.6 | 193 | < 0.1 | 20.5 | 93 | 3.4 | | |
| 717653 | < 0.1 | 1.2 | 0.309 | 0.58 | 0.5 | 159 | < 0.1 | 19 | 73 | 3 | | |
| 717654 | < 0.1 | 1.2 | 0.113 | 0.38 | 0.5 | 72 | < 0.1 | 19.3 | 74 | 2.2 | | |
| 717655 | < 0.1 | 1.3 | 0.298 | 0.57 | 0.6 | 178 | < 0.1 | 21.7 | 118 | 3.2 | | |
| 717656 | < 0.1 | 1.3 | 0.111 | 0.65 | 0.5 | 117 | < 0.1 | 18.9 | 127 | 2.4 | | |
| 717657 | < 0.1 | 1.1 | 0.23 | 0.51 | 0.5 | 155 | < 0.1 | 16.6 | 103 | 2.2 | | |
| 717658 | < 0.1 | 1.1 | 0.452 | 0.7 | 0.6 | 209 | 0.9 | 17.1 | 87 | 3.8 | | |
| 717659 | < 0.1 | 1.2 | 0.319 | 0.49 | 0.5 | 135 | < 0.1 | 22.9 | 85 | 3 | | |
| 717660 | < 0.1 | 1.2 | 0.459 | 0.33 | 0.5 | 202 | 0.1 | 23.7 | 71 | 4.5 | | |
| 717661 | < 0.1 | 1 | 0.362 | 0.26 | 0.5 | 135 | < 0.1 | 31 | 107 | 4 | | |

| Report Number: A19-13134 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Report Date: 31/10/2019 | | | | | | | | |
| Analyte Symbol | Au + 100 mesh | Au - 100 mesh (A) | Au - 100 mesh (B) | Total Au | + 100 mesh | - 100 mesh | Total Weight | Au |
| Unit Symbol | g/mt | g/mt | g/mt | g/mt | g | g | g | g/tonne |
| Detection Limit | 0.03 | 0.03 | 0.03 | 0.03 | | | | 0.03 |
| Analysis Method | FA-MeT | FA-MeT | FA-MeT | FA-MeT | FA-MeT | FA-MeT | FA-MeT | FA-GRA |
| 717554 | 0.06 | 0.2 | 0.26 | 0.23 | 16.4 | 772 | 788.4 | |
| 717555 | 2.04 | 1.28 | 1.52 | 1.43 | 32.44 | 644 | 676.4 | |
| 717556 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 37.96 | 654 | 692 | |
| 717557 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 37.13 | 696 | 733.1 | |
| 717561 | 0.5 | 0.46 | 0.49 | 0.47 | 39.64 | 626 | 665.6 | |
| 717562 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 26.42 | 832 | 858.4 | |
| 717563 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 31.59 | 710 | 741.6 | |
| 717564 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 33.46 | 822 | 855.5 | |
| 717565 | 5.05 | 1.83 | 2.04 | 2.06 | 33.07 | 806 | 839.1 | 5.63 |
| 717566 | 381 | 4.16 | 4.3 | 20.2 | 30.86 | 700 | 730.9 | 5.54 |
| 717567 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 32.3 | 642 | 674.3 | |
| 717568 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 33.8 | 738 | 771.8 | |
| 717569 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 22.39 | 968 | 990.4 | |
| 717570 | 2.87 | 1.68 | 1.88 | 1.86 | 43.54 | 600 | 643.5 | |
| 717571 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 37.6 | 610 | 647.6 | |
| 717572 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 52.17 | 784 | 836.2 | |
| 717573 | 1.32 | 0.1 | 0.07 | 0.12 | 22.81 | 678 | 700.8 | |
| 717574 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 35.91 | 770 | 805.9 | |
| 717590 | 1.75 | 1.21 | 1.35 | 1.31 | 45.06 | 766 | 811.1 | |
| 717591 | < 0.03 | 0.62 | 0.56 | 0.57 | 31.78 | 738 | 769.8 | |
| 717592 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 33.19 | 734 | 767.2 | |
| 717593 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 17.29 | 710 | 727.3 | |
| 717594 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 26.01 | 586 | 612 | |

Appendix 1. Analytical Results.

| Report Number: A19-13134 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Report Date: 31/10/2019 | | | | | | | | |
| Analyte Symbol | Au + 100 mesh | Au - 100 mesh (A) | Au - 100 mesh (B) | Total Au | + 100 mesh | - 100 mesh | Total Weight | Au |
| Unit Symbol | g/mt | g/mt | g/mt | g/mt | g | g | g | g/tonne |
| Detection Limit | 0.03 | 0.03 | 0.03 | 0.03 | | | | 0.03 |
| Analysis Method | FA-MeT | FA-MeT | FA-MeT | FA-MeT | FA-MeT | FA-MeT | FA-MeT | FA-GRA |
| 717595 | < 0.03 | 0.37 | 0.46 | 0.4 | 21.73 | 868 | 889.7 | |
| 717596 | 7.09 | 2.25 | 2.57 | 2.56 | 29.78 | 864 | 893.8 | |
| 717597 | 7.01 | 4.05 | 3.87 | 4.1 | 42.77 | 906 | 948.8 | |
| 717598 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 36.96 | 838 | 875 | |
| 717626 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 39.82 | 746 | 785.8 | |
| 717627 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 47.57 | 830 | 877.6 | |
| 717628 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 35.31 | 746 | 781.3 | |
| 717629 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 54.59 | 746 | 800.6 | |
| 717630 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 43.52 | 780 | 823.5 | |
| 717631 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 43.04 | 856 | 899 | |
| 717632 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 41.6 | 856 | 897.6 | |
| 717633 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 35.91 | 842 | 877.9 | |
| 717634 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 32.48 | 790 | 822.5 | |
| 717635 | 0.53 | 0.52 | 0.46 | 0.49 | 37.75 | 768 | 805.8 | |
| 717636 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 38.13 | 750 | 788.1 | |
| 717637 | 2.46 | 1.22 | 1.1 | 1.2 | 28.5 | 868 | 896.5 | |
| 717638 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 34.91 | 800 | 834.9 | |
| 717639 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 44.42 | 770 | 814.4 | |
| 717646 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 46.6 | 730 | 776.6 | |
| 717647 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 23.72 | 758 | 781.7 | |
| 717648 | 0.2 | 2.05 | 1.87 | 1.83 | 49.47 | 638 | 687.5 | |
| 717649 | < 0.03 | < 0.03 | < 0.03 | < 0.03 | 39.48 | 720 | 759.5 | |

# APPENDIX 2

# PICTURES OF THE CORE BOXES

Appendix 2. Pictures of the core boxes




Core from BRW10-05, core boxes 1-3.




Core from BRW10-05, core boxes 4-6.




Core from BRW10-05, core boxes 7-9.

Appendix 2. Pictures of the core boxes




Core from BRW10-05, core box 10 (last).




Core from BRW10-06, core boxes 1-3




Core from BRW10-06, core boxes 4-6.

Appendix 2. Pictures of the core boxes




Core from BRW10-06, core boxes 7-9.




Core from BRW10-06, core boxes 10-12 (last).




Core from BRW10-07, core boxes 1-3.

Appendix 2. Pictures of the core boxes




Core form BRW10-07, core boxes 4-6




Core form BRW10-07, core boxes 7-9

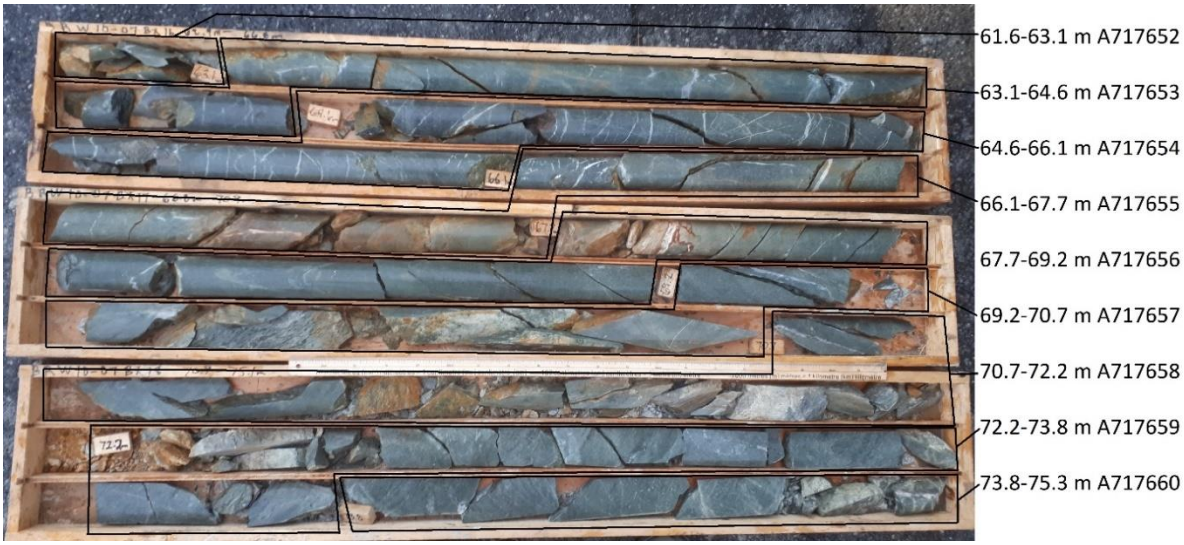



Core from BRW 10-17, core boxes 10-12.

Appendix 2. Pictures of the core boxes




Core from BRW10-07, core boxes 13-15.




Core from BRW10-07, core boxes 16-18.




Core from BRW10-07, core box 19 (last).

# APPENDIX 3

# PICTURE OF THE LONG-TERM CORE STORAGE FACILITY

Appendix 3. Picture of the long-term core storage facility




Long-term core storage facility at McGuire St. private yard south of Whistler.