# <u>Assessment Report</u>



**Diamond Drilling**
**Sweeney Lake Property**
**Sweeney 1-4**
**Ted 1-4**
**Tenures: 304911, 304912**
**304914, 304915, 305741,**
**305742, 305743, 305744**

**Omenica Mining Division**
**NTS Map 93E/11E**
**Latitude: 53° 42' 24"N**
**Longitude: 127° 10' 37"W**

**Owners: Ronald Ross Blusson/Nanika Resources Inc.**
**Operator: Nanika Resources Inc.**

**Report prepared by:**
**D.G. MacIntyre, Ph.D., P.Eng.**
**D.G. MacIntyre & Associates Ltd.**

**February 7, 2011**

**Revised: September 1, 2011**

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# SUMMARY

The Sweeney Lake property is located 120 kilometres by logging roads south of the town of Houston. The property is comprised of 8 legacy claims that are centered immediately east of Sweeney Lake in central British Columbia. The operating Huckleberry mine is located 2.7 kilometres south of the center of the claims. The Sweeney claims are owned by Ronald Ross Blusson and are under option to Nanika Resources Inc.; the Ted claims are owned wholly by Nanika, the operators on the property. Since acquiring the Sweeney Lake property in 2005 Nanika has had a new grid cut and completed induced polarization, magnetometer and soil geochemical surveys.

A total of 2001.95 metres of NQ diamond drilling was done on the Sweeney Lake Property between November 2009 and January 2010. Only 3 of the 6 holes completed were split and sampled. A total of 364 - 3 metre core samples were collected and sent to AcmeLabs in Vancouver B.C. for analyzes. Two drill holes completed on the Sweeney claims returned anomalous copper values mainly from a brecciated chlorite-epidote altered lapilli tuff. The best intersection was a 3 metre interval that returned 2538.4 ppm Cu. This mineralization is similar to known surface showings although much lower grade. No significant mineralization was intersected on the Ted claims.

# LOCATION, ACCESS AND PHYSIOGRAPHY

The Sweeney Lake Property is located in the Tahtsa Reach Area of British Columbia, approximately 120 km south of the town of Houston on trans-provincial highway 16 and the CN rail line. The claims lie immediately east of Sweeney Lake and north of Huckleberry Mountain (Figure 1) and cover the WEE copper showing (MINFILE number 093E 086). They are centered at 53° 42' 24" north latitude and 127° 10' 37" west longitude (NAD 83 UTM coordinates 620320E, 5952440N). The property can be accessed via the Huckleberry Mines haulage/forest service road which leaves Highway 16 approximately 2 km. west of Houston, following this road to kilometre 113 then turning right onto the Tahtsa Forest Service Road (FSR). This road is a seasonal access road that cuts through the Sweeney Lake property between 4 and 6 kilometres west of the junction. This road extends westward along the north shore of Sweeney Lake ending at Tahtsa narrows on Tahtsa Lake. There has been intermittent logging along this road since 2006.

Fixed wing aircraft bases providing charter service are located at Burns Lake and Smithers. Charter helicopter bases are located in Houston and Smithers.

The Sweeney Lake property is located on the eastern slope of the Coast Mountains and is subject to heavy snowfall with accumulations up to three metres per year. The property lies on and adjacent to the north slope of Huckleberry Mountain; consequently, snow cover can last into early June at the upper elevations. Outcrop is common at upper elevations on the north slope of Huckleberry Mountain, but in the valley it is limited to creek cuts and resistant knobs of intrusive and volcanic rock. Overburden in low lying swampy areas east of Sweeney Lake is up to 20 metres thick as indicated by previous diamond drilling. Vegetation on the valley floor consists of stands of spruce and balsam. Large swampy areas immediately adjacent to Sweeney Lake extend east largely covering the valley between Whiting Creek and Huckleberry Mountain.

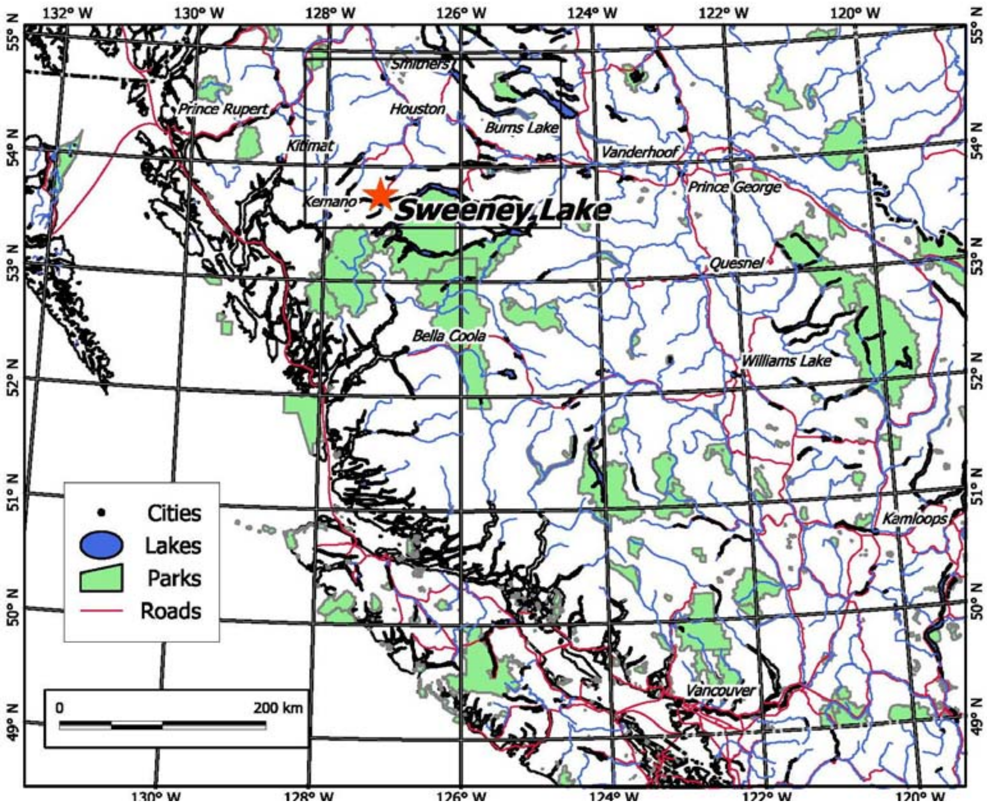


*Figure 1. General location map, Sweeney Lake property*

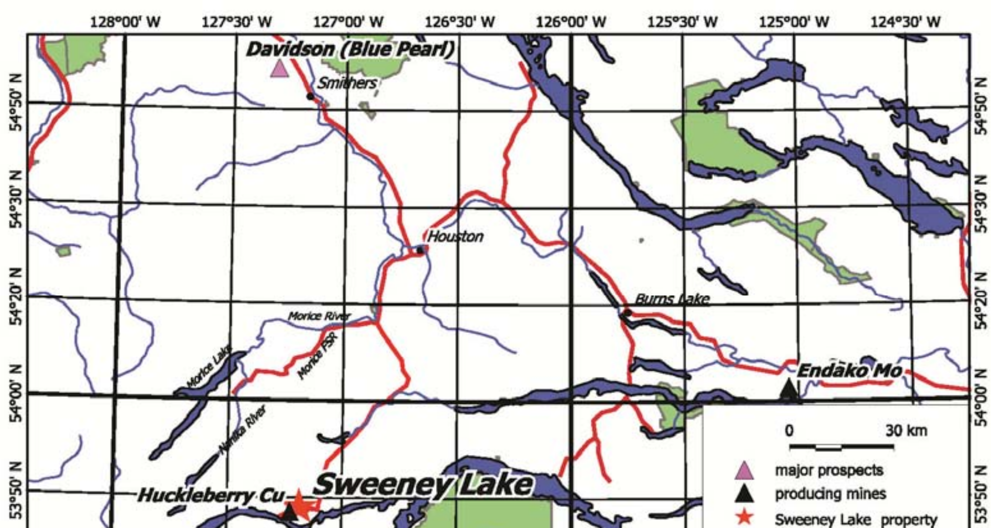


*Figure 2. Access routes, Sweeney Lake Property. Triangles represent the location of major porphyry Cu and Mo deposits in the area.*

## HISTORY

The Sweeney Lake area was first mapped by M.S. Hedley of the Geological Survey of Canada in 1935, at a scale of 1:250,000. From 1947 to 1952, S. Duffel mapped the area as part of the Whitesail Lake (NTS 93E) map sheet. In 1961 the Berg porphyry copper deposit was discovered by Kennco Explorations, (Canada) Limited, generating considerable interest in the economic potential of the area. In the following years, six more porphyry copper occurrences were discovered (MacIntyre, 1985). In 1980, Woodsworth of the GSC compiled the geology of the Whitesail Lake map area (93E). This work was released as Open File 708 (Woodsworth, 1980). The only property reporting any past production in the Sweeney Lake area, other that the Huckleberry mine, is the Emerald Glacier deposit, a quartz-Au-Ag-Pb-Zn-bearing vein staked in 1915. An adit was driven along the vein in 1917-19 and between 1927-31 this adit was extended and two more were collared. Between 1951 and 1953, 4,200 tonnes of ore was shipped to Nelson, B.C. This ore averaged 12.1% Pb, 11.5% Zn, 408 grams per tonne Ag and 0.27 grams per tonne Au

### *Huckleberry Mine*

Huckleberry is an open-pit mine that produces copper and molybdenum concentrates. The Huckleberry mine is owned by Imperial Metals Corporation (50%) and a consortium that includes, Mitsubishi Materials Corporation, Dowa Mining Co. Ltd, Furukawa Co, Marubeni Corporation. The mine site occupies about 1,900 hectares of land and is located on the south side of Huckleberry Mountain (Figure 3).

Copper mineralization at Huckleberry was first discovered by Kennco Explorations (Western) Limited in 1962 while investigating the source of anomalous stream sediment samples. Copper mineralization was discovered in a small outcrop of granodiorite at the head of the anomalous stream draining into the valley on the south side of Huckleberry Mountain. Kennco conducted geological mapping, soil geochemistry, magnetometer and induced polarization geophysics, trenching and diamond drilling on the Huckleberry property from 1962 to 1972. A total of 3,965 metres of diamond drilling was completed in 29 holes. The property was optioned in 1972 to Granby Mining Company Ltd. which carried out a diamond drill program consisting of 16,190 metres in 65 holes within the Main Zone deposit. Granby did not exercise its option and the property was returned to Kennco. The property then remained idle until 1988-89 when Noranda Exploration Company Limited undertook a program of soil and rock geochemistry concentrating on the east end of the property in an area of quartz-arsenopyrite veins. A reconnaissance soil geochemistry program was also conducted over the entire property. The focus of their program was to evaluate the precious metal potential of the property. Selected sections of old drill core were reassayed for precious metals. The option was subsequently dropped by Noranda. Kennco's successor, Kennecott Canada Inc. optioned the Huckleberry property to New Canamin Resources Ltd. in 1992. New Canamin initially concentrated work on definition drilling within the Main Zone deposit in 1992 and 1993. During this program a 41 metre deep hole was drilled 1,200 metres east of the Main Zone deposit as part of a tailings site investigation and intersected 0.91% copper over the 8 metres of bedrock in the bottom of the hole, thereby discovering the East Zone deposit. In July 1995

Princeton Mining Corporation acquired all the shares of New Canamin. A strategic alliance with a Japanese consortium was established to assist in financing the project. A feasibility study was commissioned by Princeton in early 1995 and completed by H.A. Simons in August 1995. In June 1996 the Japan Group purchased a 40% equity position in Huckleberry and entered into an agreement to provide project loan financing in the amount of US$60 million based on the positive Huckleberry Feasibility. Mitsubishi Materials Corporation, Dowa Mining Co. Ltd. and Furukawa Co. Ltd. also entered into a long-term contract for the purchase of all copper concentrates from the Huckleberry mine. In addition, the British Columbia government provided financial assistance in the form of a $15 million loan to Huckleberry for infrastructure including roads and power lines. Mine construction began in 1996 and was completed in October 1997 at a cost of C$142 million. Operations are 24 hours a day, 7 days a week. The mill processes about 19,000 tonnes of ore a day, 6.9 million tonnes annually. Copper, gold, and silver are recovered in one concentrate, and molybdenum is recovered in a separate concentrate.

The Huckleberry deposit is a copper-molybdenum porphyry. The ore is hosted in Jurassic andesite which is intruded by a younger Late Cretaceous granodiorite porphyry stock. The ore minerals at Huckleberry are chalcopyrite and molybdenite with gold and silver bearing minerals occurring in veins peripheral to the deposits. The ore has an average concentration of 0.513% copper and 0.014% molybdenum with 0.062 grams of gold and 2.812 grams of silver per tonne. According to information contained in the MINFILE database, at a cutoff grade of 0.30 per cent copper, mineable reserves at Huckleberry were 91.2 million tonnes grading 0.52 per cent copper, 0.014 per cent molybdenum, 0.06 gram per tonne gold and 2.8 grams per tonne silver. Reserves for the Main and East zones were reported to be 30.9 million tonnes grading 0.48 per cent copper, 0.066 gram per tonne gold, 2.17 grams per tonne silver and 0.013 per cent molybdenum; and 60.3 million tonnes grading 0.536 per cent copper, 0.063 gram per tonne gold, 3.1 gram per tonne silver and 0.014 per cent molybdenum, respectively (Information Circular 1995-1, page 13).

The ore zones at Huckleberry are enclosed by an easterly-oriented zone of alteration approximately 4 kilometres long and 1 kilometre to 2 kilometres wide. The Main zone occurs along the eastern periphery of a subcircular stock located in the western part of the alteration zone and is further centered on an apophysis of the stock. Most of the mineralization occurs in an arc measuring 500 metres by 100 metres. The East zone occurs within and surrounding a similar porphyritic stock in the eastern part of the system and is approximately 900 metres by 300 metres and remains open at depth.

The Main Zone was the first zone to be discovered and was well defined by drilling. The zone has a kidney bean shape, wrapping around the east side of the porphyry stock with an arc length of 500 metres, a width of 150 metres, and depths of up to 300 metres below surface. It is well defined in its southern and eastern edges but remains partly open to expansion on its northern margin. Any expansion here would face high stripping costs due to the hilly terrain. The East Zone was discovered after the Main Zone during a drilling program to determine possible sites for tailings disposal. Mineable reserves and grades here are higher than for the Main Zone. The deposit is an easterly trending zone about 200 to 300 metres wide and 900 metres long. Mineralization occurs to depths of over 300 metres, where drilling was stopped, and remains open. Over 29,600 metres in

170 holes were drilled on the Main Zone and 23,744 metres in 131 holes on the East Zone.


*Plate 1. Google Earth view of the Sweeney property showing location of diamond drill holes completed in 2009-2010 (circles) and proximity to the Huckleberry open pit*

## *Sweeney Lake Property*

The Sweeney Lake property is located on the north side of Huckleberry Mountain, approximately 2700 metres north-northwest of the Huckleberry mine (Figure 3). The area surrounding the Sweeney claims was previously staked as the WEE Claims (Hudson Bay Oil and Gas) and subsequently, the PHR Claims (Pacific Houston Resources). Hudson Bay Oil and Gas discovered a copper-bearing breccia zone occurring in Hazelton andesitic volcanics in 1973 and subsequently staked the WEE Claims. During this year Hudson Bay Oil and Gas carried out preliminary geological mapping, geochemical surveys and a short diamond drill program (four holes). In 1975 further silt, rock chip and soil geochemical sampling was undertaken. Geological mapping of the property at 1 inch to 1/4 mile scale, and a central portion of the property at 1 inch to 100 feet scale was completed. A ground magnetometer survey and two I.P. lines over the ice on Sweeney Lake were also completed. During 1976, a reconnaissance I.P. survey located three anomalous areas and detailed I.P. surveys were carried out over these areas. The hole drilled in 1973 was subsequently deepened in 1979 (Hall, 1979). This hole (79-1), averaged 0.4% Cu and 0.08 oz/ton Ag over 18 metres (132.6-149.4 metres). A second, and presumably non-mineralized hole (79-2) was not analyzed. Although epidote alteration was noted throughout, only specks of chalcopyrite in a quartz vein and pyrite on fractures were noted. There is no record of any gold analysis.

According to Harris (2004) Hudson Bay Oil and Gas (HBOG) carried out the most comprehensive exploration on the property in the period from 1972 to 1979. HBOG conducted reconnaissance and grid IP surveys, magnetometer and HLEM surveys and rock, stream sediment and grid soil geochemistry (analyzed for Cu, Mo, Zn, and Ag). This was followed up by four diamond drill holes in 1973 and two additional drill holes in 1979. One of the 1979 drill holes was drilled to extend hole W-73-1. International Tournigan Corporation conducted prospecting in 1992 and airborne magnetic, electromagnetic and radiometric surveys over the property in 1993. Limited geological mapping and prospecting was undertaken by Huckleberry Mines Ltd. (HML) in 2001 as part of an examination of the northeast corner of the Huckleberry property.

In the past, rock, silt and soil geochemical samples have been taken on the Sweeney Lake and adjoining properties but according to Goad (1992) none of these were analyzed for Au.

Nanika Resources Inc. (formerly New Cantech Ventures Inc.) did line cutting, soil sampling and an IP/magnetometer survey on the Sweeney 1-4 claims in 2005. Results of geologic mapping and soil sampling are summarized in Assessment Report 28866 (MacIntyre, 2007).

In order to facilitate the 2005 geophysical and geochemical surveys a cut line grid was established on the property. This work was contracted to Ranex Exploration. Cut lines run north-south and are spaced 100 metres apart. Total length of cut line is 8200 metres. Ranex Exploration was also contracted to collect soil samples every 50 metres on both cut lines and an additional 4750 metres of intermediate flagged lines. A total of 256 samples were taken all of which were from the B soil horizon. Some samples were not collected because of high organic content particularly in swampy areas near the creek that drains through the property. Many of the samples collected in this low lying area also contained high contents of silt and sand suggesting they are fluvial-deltaic deposits.

The 2005 geochemical survey defined a coincident copper-molybdenum soil anomaly that is approximately 800 metres long and between 50 to 100 metres wide. The anomaly trends east-west and covers a low-lying area east of Sweeney Lake. Samples from this area are mainly silts and sands that contain up to 61.7 ppm Mo and 420 ppm Cu. The soils are interpreted to be fluvial-deltaic in origin and derived from a source upstream (MacIntyre, 2007).

# MINERAL TENURES

The Sweeney Lake property is comprised of four two-post legacy claims that are held by Ronald Ross Blusson (Tenures 304911, 304912, 304914 and 304915), a cell claim owned by Nanika Resources Inc. (Tenure 537503) and four legacy claims also owned by Nanika Resources (Tenures 305741-305744). At the time of writing the Sweeney 1-4 claims were under option to Nanika Resources Inc., the property operators. These claims are surrounded by the Ted 1-4 legacy claims (305741-305744) that are wholly owned by

Nanika Resources Inc. Together the Sweeney and Ted claims comprise the Sweeney Lake property.

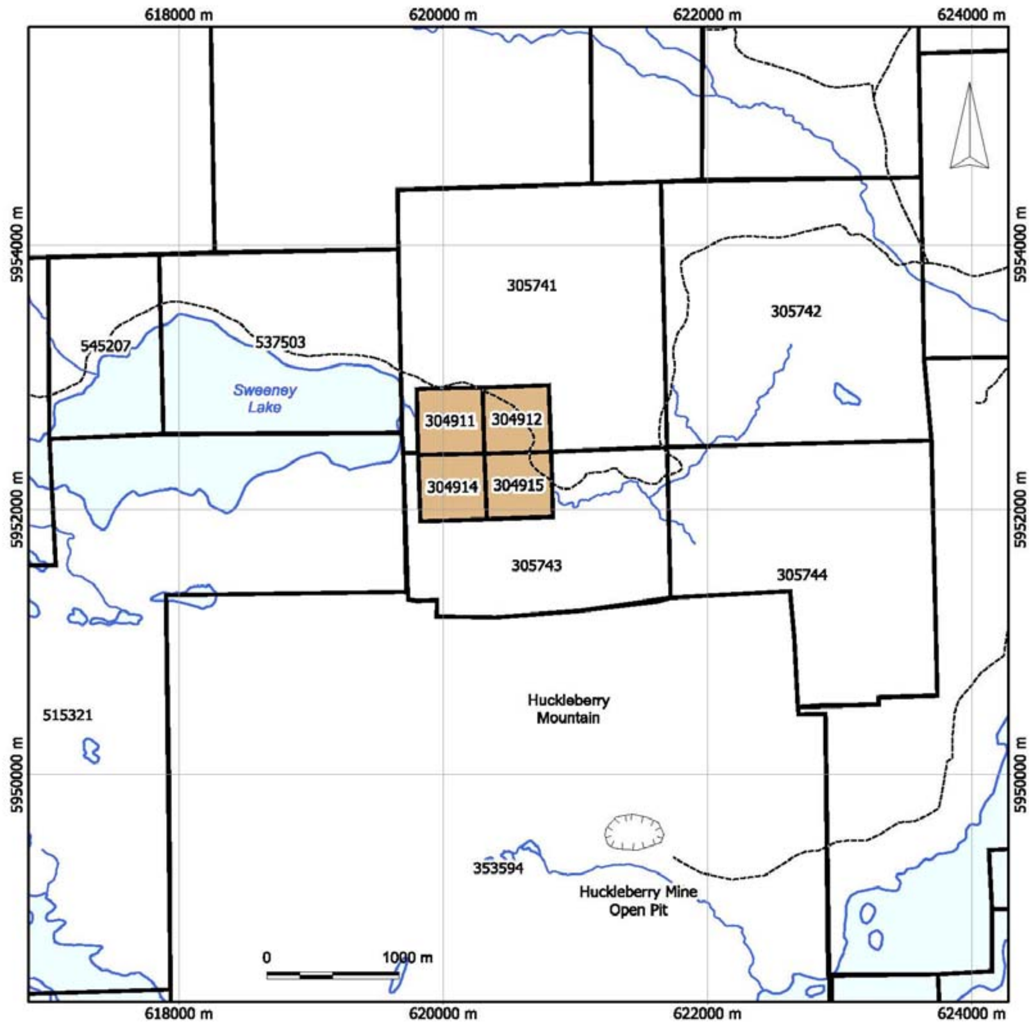


*Figure 3. Claim location map. Claim information taken from Mineral Titles on Line*

**Table 1. List of mineral tenures, Sweeney Lake property**

| Tenure No. | Name | Owner | Good to Date | Hectares |
|---|---|---|---|---|
| 537503 | | Nanika Resources Inc. | 2007/JUL/20 | 287.05 |
| 304911 | SWEENEY 1 | Ronald R. Blusson | 2016/OCT/02 | 25.00 |
| 304912 | SWEENEY 2 | Ronald R. Blusson | 2016/OCT/02 | 25.00 |
| 304914 | SWEENEY 3 | Ronald R. Blusson | 2016/OCT/02 | 25.00 |
| 304915 | SWEENEY 4 | Ronald R. Blusson | 2016/OCT/02 | 25.00 |
| 305741 | TED 1 | Nanika Resources Inc. | 2015/NOV/23 | 400.00 |
| 305742 | TED 2 | Nanika Resources Inc. | 2015/NOV/23 | 400.00 |
| 305743 | TED 3 | Nanika Resources Inc. | 2015/NOV/23 | 300.00 |
| 305744 | TED 4 | Nanika Resources Inc. | 2015/NOV/23 | 400.00 |
| | | | Total hectares | 1887.05 |

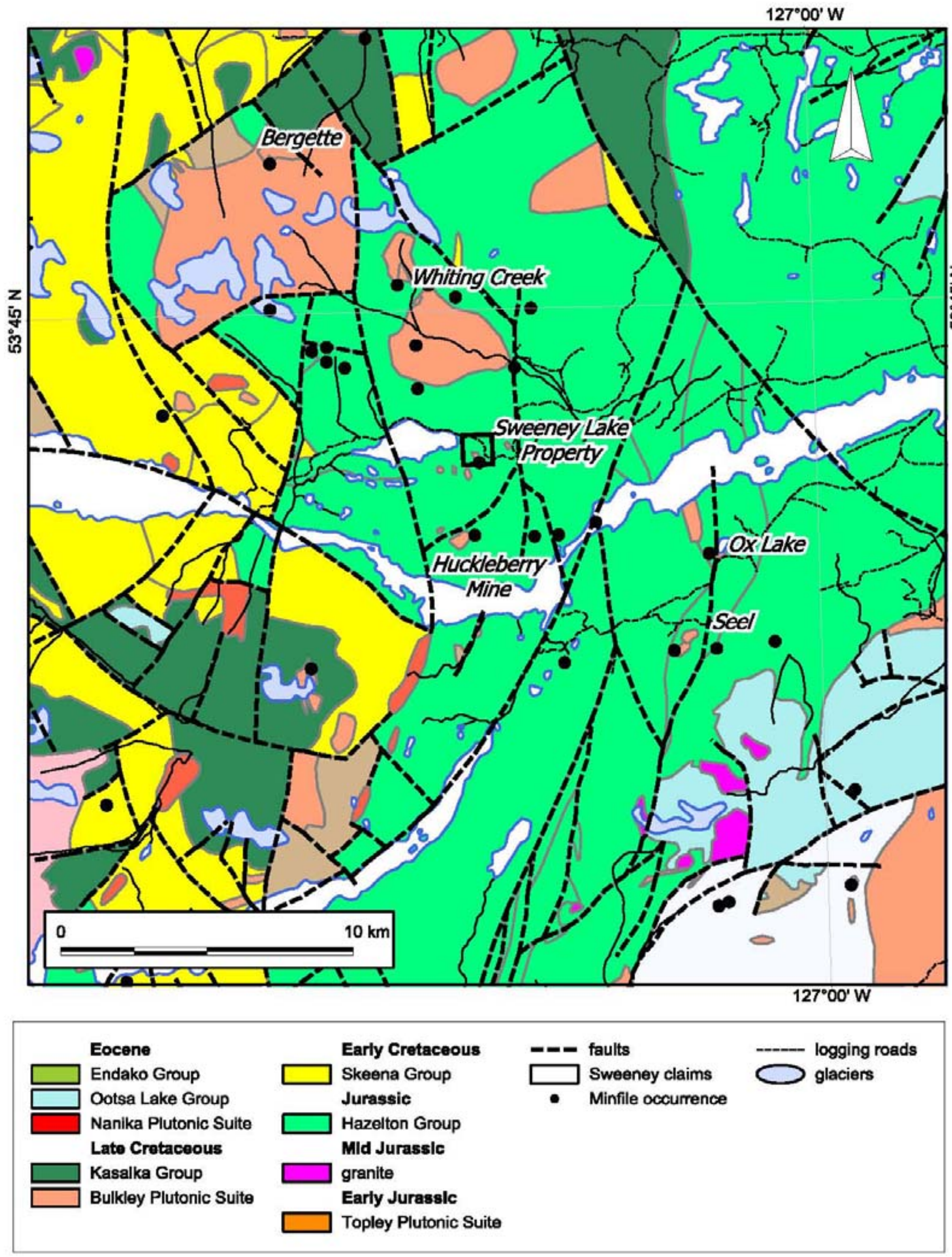


*Figure 4. Regional geology, Sweeney Lake area (modified from Massey et al., 2005)*

## REGIONAL GEOLOGY

The Sweeney Lake property is within the Intermontane Belt of the Canadian Cordillera which is comprised of folded volcanic arc rocks of Early to Middle Mesozoic age. The area around Sweeney Lake is underlain by folded and block faulted andesitic volcanic and sedimentary rocks of the Lower to Middle Jurassic Hazelton Group. This unit has been intruded by numerous episodes of plutonic activity ranging from Triassic to Tertiary in age. Immediately south of the property is a fault-bounded area in the Kalsalka Range that has been interpreted to be part of a cauldron subsidence complex (MacIntyre, 1985). A number of major porphyry Cu-Mo deposits occur in the area around Sweeney Lake including the producing Huckleberry mine and the Whiting Creek, Seel, Ox Lake and Bergette prospects (Figure 4). These deposits are related to porphyritic granodiorite to quartz monzonite intrusions of the Late Cretaceous Bulkley Intrusive Suite. Numerous polymetallic vein occurrences are found peripheral to these porphyry Cu-Mo deposits.

## PROPERTY GEOLOGY

The Sweeney and Ted claims are underlain by Jurassic age sedimentary and volcanic units of the Hazelton Group (Telkwa Formation) consisting predominantly of thin to thick bedded, red to green lapilli, lithic, crystal and ash tuff, tuff breccia, agglomerate and porphyritic andesite flows. A unit of graphitic mudstone also occurs on the property and was intersected in the first hole of the 2009 diamond drilling program. The volcanic rocks have been intruded by small plugs and dykes of porphyritic augite-hornblende microdiorite and andesite (Kalsalka Intrusions) of Lower to Upper Cretaceous age. At the eastern end of Sweeney Lake several small plugs of Late Cretaceous hornblende granodiorite have been mapped (MacIntyre, 1985). A large fault strikes southward across the property and splays south and southwest across Huckleberry Mountain. (possibly related to the subsidence complex identified southeast of the property). Topography indicates that several other small shears occur on the property. This fault continues north across Whiting Creek. According to Harris (2004) the Sweeney claims are underlain by Telkwa Formation andesites that are intruded by Bulkley suite granodiorites. This has been confirmed by diamond drilling done in early 2010. These units are lithologically similar to those hosting mineralization at the Huckleberry Mine and Whiting Creek. However, younger Kasalka intrusions have also been mapped in this area. Previous mapping on the property identified an ovoid breccia body measuring approximately 40 by 25 metres. It consists of andesitic, altered felsic and quartz-megacrystic granite to granodiorite clasts in an intrusive matrix. Voids in the matrix of this breccia, which is a positive topographic feature, are filled with euhedral vuggy quartz, coarse chalcopyrite with malachite and azurite and coarse euhedral calcite. Sampling of this breccia returned 1866 ppm Cu and 14 ppm Mo (Harris, 2004). A 1970's vintage drill hole is collared adjacent to this breccia.

**Table 2. Samples collected in 2001 on the Sweeney Lake property (Harris, 2004)**

| Sample Number | Sample Type | Lithology | Mo (ppm) | Cu (ppm) | Pb (ppm) | Zn (ppm) | Ag (ppm) | Au (ppb) |
|---|---|---|---|---|---|---|---|---|
| 560612 | Grab | Andesite breccia | 8 | 1594 | 4 | 194 | 1.2 | 5 |
| 560613 | Grab | Andesite breccia | 12 | 6019 | 8 | 133 | 5.2 | 10 |
| 560614 | Grab | Andesite breccia | 2 | 8108 | 48 | 229 | 5.5 | 30 |
| 560617 | Grab | Andesite breccia | 2 | 1.54% | 10 | 334 | 17.7 | 42 |
| 560619 | Grab | Andesite breccia | 10 | 9.09% | 13 | 260 | 41.3 | 220 |
| 560624 | Grab | Andesite breccia | 13 | 8601 | 20 | 177 | 15.9 | 25 |
| 231144 | Select Grab | Andesite breccia | 5 | 1243 | 45 | 112 | 6.6 | 180 |
| 272693 | Grab | Intrusive breccia | 14 | 1866 | 8 | 94 | 1.8 | 36 |

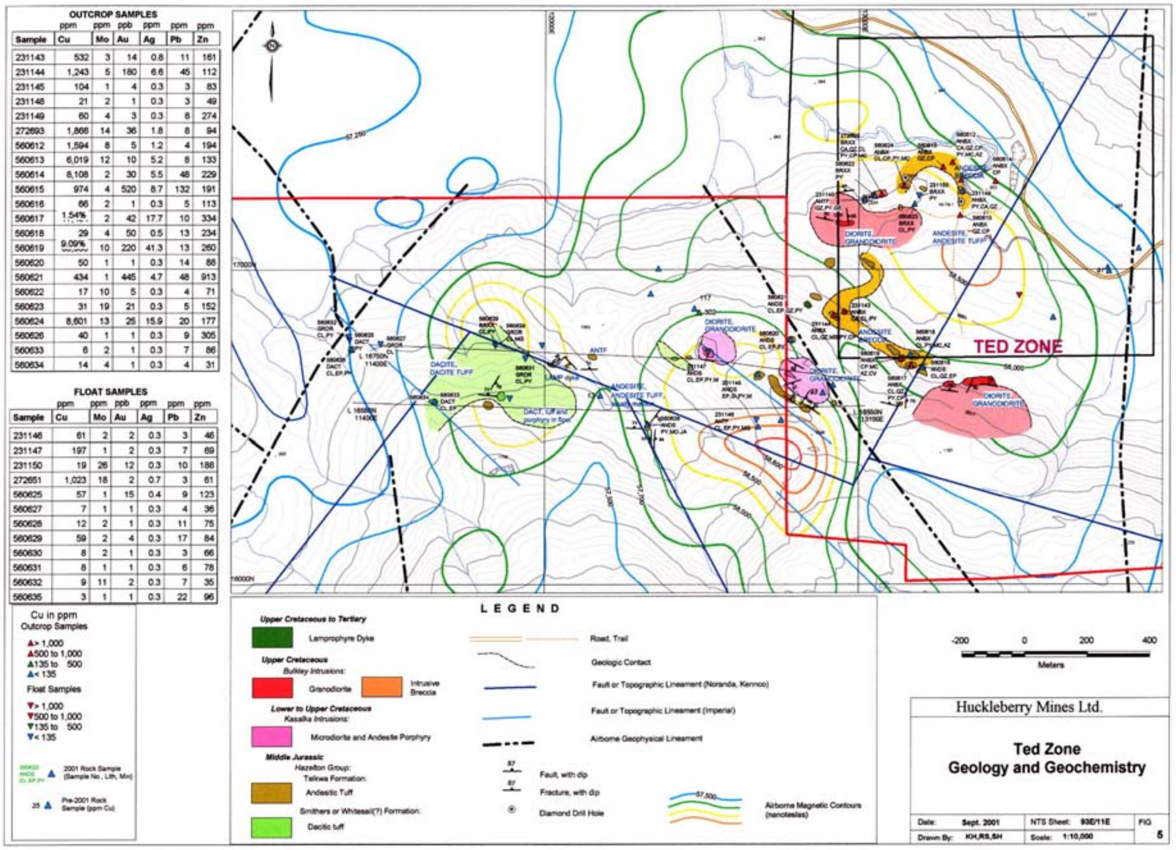


*Figure 5. Property geology showing outcrop areas. Source: Huckleberry Mines Ltd.*

The most prevalent mineralization on the Sweeney property consists of brecciated andesite with infillings of coarse chalcopyrite, coarsely disseminated euhedral pyrite and malachite. The breccia consists of angular oxidized clasts in an andesitic matrix. As with the intrusive breccia, the voids in this breccia are filled with coarse chalcopyrite, vuggy euhedral quartz and coarsely crystalline calcite. Grab samples of this breccia have returned 1.54% Cu and select samples of this breccia have returned 9.09% Cu. These andesite breccias occur discontinuously over 300 and 150 metres of apparent strike length.

According to Harris (2004) information regarding the diamond drilling on the property is limited with maps and drill logs available for only two 1979 drill holes. Work in 2001 identified three of the five drill sites on the property. Hole W-79-1 was apparently an extension of hole W-73-1 extending it from 123.1 metres to 246.0 metres. Hole W-73-1 returned zones of 0.32% Cu and 0.26% Cu. The mineralized intersections from W-79-1 were from chalcopyrite-pyrite mineralized brecciated andesite that closely resembles that observed on surface. No intrusive rocks were noted in the hole. This hole was collared north and east of a granodiorite intrusion and at the southern margin of one of the two mineralized andesite breccia belts.

**Table 3. Hole W-79-1 Significant Intersections**

| From (m.) | To (m.) | Width (m) | Cu % |
|---|---|---|---|
| 132.6 | 140.8 | 8.2 | 0.40 |
| including: 136.3 | 140.8 | 4.5 | 0.64 |
| 147.5 | 149.4 | 1.9 | 0.61 |
| 172.2 | 175.9 | 3.7 | 0.25 |
| 210.3 | 215.8 | 5.5 | 0.44 |

Drill hole W-73-3 intersected 9 metres of 0.18% Cu from brecciated andesite (as in W-73-1, and W-79-1). However the locations of hole W-73-2, W-73-3, and W-73-4 are not known. Drill hole W-79-2 was collared a few hundred metres south of W-79-1 and was not sampled; no significant mineralization was noted in the drill log. No drill core has been located on site and split core from holes W-73-1 and W-79-1 had been shipped to Calgary but has since been lost.

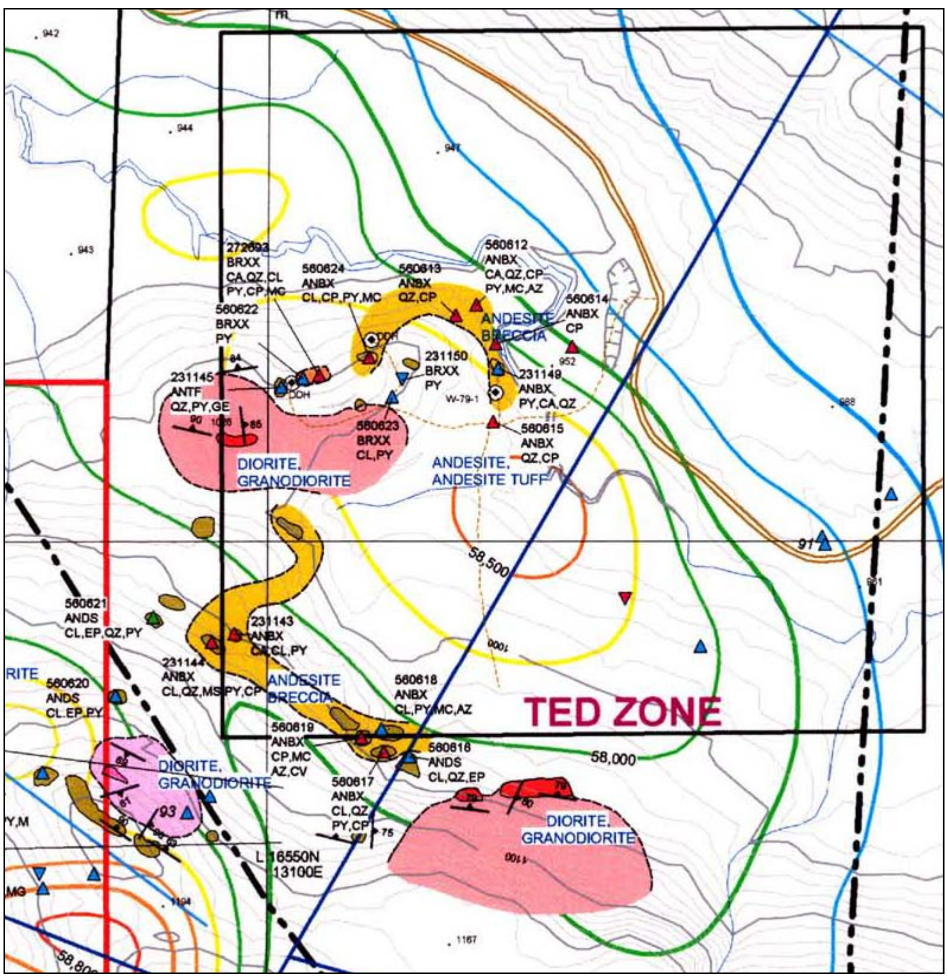


*Figure 6. Geology and sample locations, Sweeney claims. See figure 5 for location of map and legend. Source: Huckleberry Mines Ltd.*

## WORK PERFORMED

A total of 2001.95 metres of NQ diamond drilling was done on the Sweeney Property between November 2009 and January 2010. This work is the subject of this assessment report. Total expenditures for the 2009-2010 work program were $308,935.68. A detailed summary of expenditures is included in Appendix A.

Diamond drilling on the Sweeney Lake property began on November 26, 2009 and was shut down for the holiday period on December 21, 2009. Drilling resumed on January 16, 2010 with drilling completed on January 26, 2010. Drilling was done by More Core Diamond Drilling Services Ltd. of Stewart B.C. Project management and core splitting/sampling was provided by Low Profile Exploration Services in Houston B.C. Graff Engineering provided permitting support for the project and core logging and report writing was done by the author (D.G. MacIntyre & Associates Ltd.).

A total of 364 - 3 metre core samples were collected and sent to AcmeLabs in Vancouver B.C. for analyzes. At the lab, a subsample of 250 grams of core was crushed to -200 mesh, digested in 1:1:1 aqua regia and analyzed by the Inductively Coupled Plasma – Mass Spectrometer (ICP-MS) method. Only 55% of the core recovered was split and sampled; the remainder was deemed to be unmineralized and was not split.

*Plate 2. Low Profile Explorations core logging facility in Houston B.C. All core from the project was brought to Houston for logging, splitting and storage.*

A total of 1,274.80 meters in 4 drill holes was completed on the Ted claims (Tenures 305742 and 305744) and an additional 718.11 metres of drilling in two holes, both from the same drill site, was done on the Sweeney claims (Tenure 304915). Two drill holes encountered thick overburden on the Ted claims and were abandoned. Drill hole locations are shown in Figure 7. The following table (Table 4) is a summary of the holes completed on the property in late 2009 and early 2010. All drill core was removed from the property and is stored at the Low Profile Explorations work site in Houston B.C. A temporary core logging facility was erected by Low Profile to facilitate logging and splitting of the core (Plate 2). Core was marked up into 3 metre intervals prior to logging and splitting. Core boxes were marked with aluminum tags and assay tags were stapled to the core boxes at the start of each sampling interval. The core was split in half using an hydraulic core splitter. Half the core was placed in plastic sample bags and labeled with the Acme assay number; the remainder was returned to the core box.

Drill holes T09-1 to T09-6 were drilled to test electromagnetic conductors detected in a 1990 airborne survey conducted by Huckleberry Mines Ltd. The first 5 holes targeted an east-west conductor situated south of the Tahtsa FSR. This conductor crosses the road near the site of holes T09-01 and T09-02. Another strong EM conductor trends northerly across Huckleberry Mountain and ends in the swamp located east of drill site T09-06. This drill hole was collared to test this conductor.

Drill holes S10-1 and S10-2 were drilled to intersect the mineralized breccia that crops out on the Sweeney claims.

*Plate 3. Drill setup at hole T09-04.*

## RESULTS

The following section presents the results of drilling done on the Ted and Sweeney claims in late 2009 and early 2010. Detailed drill sections are presented in Appendix E. The results for Cu are plotted next to the drill hole trace.

### *T09-1*

Drill hole T09-1 was collared on the Tahtsa Forest Service road at UTM coordinates 623607E and 5953863N (NAD 83), elevation 997 metres. This hole was drilled at an inclination of -55° toward azimuth 099° and went to a depth of 69.64 metres before being lost. The hole did not intersect bedrock and encountered a subsurface boulder field that probably represents an old channel of Whiting Creek.

**Table 4. Summary of diamond drill holes, 2009-2010**

| Property | Hole No. | Easting | Northing | Elev.(m) | Azimuth | Inclin. | Length (m) | Casing (m) | Notes |
|---|---|---|---|---|---|---|---|---|---|
| Ted | T09-1 | 623607 | 5953863 | 997 | 99° | -55 | 69.64 | 69.64 | hole lost |
| Ted | T09-2 | 623669 | 5953857 | 999 | - | -90 | 191.00 | 109.01 | not split |
| Ted | T09-3 | 623400 | 5953876 | 988 | - | -90 | 0.00 | 0.00 | hole lost |
| Ted | T09-4 | 623254 | 5954017 | 988 | 360° | -60 | 161.54 | 39.36 | not split |
| Ted | T09-5 | 623102 | 5954089 | 993 | 180° | -48 | 539.47 | 3.18 | split |
| Ted | T09-6 | 621812 | 5952322 | 979 | 90° | -55 | 320.02 | 12.11 | partial split |
| Sweeney | S10-1 | 620651 | 5952484 | 970 | 270° | -45 | 441.46 | 9.03 | split |
| Sweeney | S10-2 | 620651 | 5952484 | 970 | 215° | -45 | 278.82 | 9.03 | split |

Note: coordinates UTM zone 9 NAD83

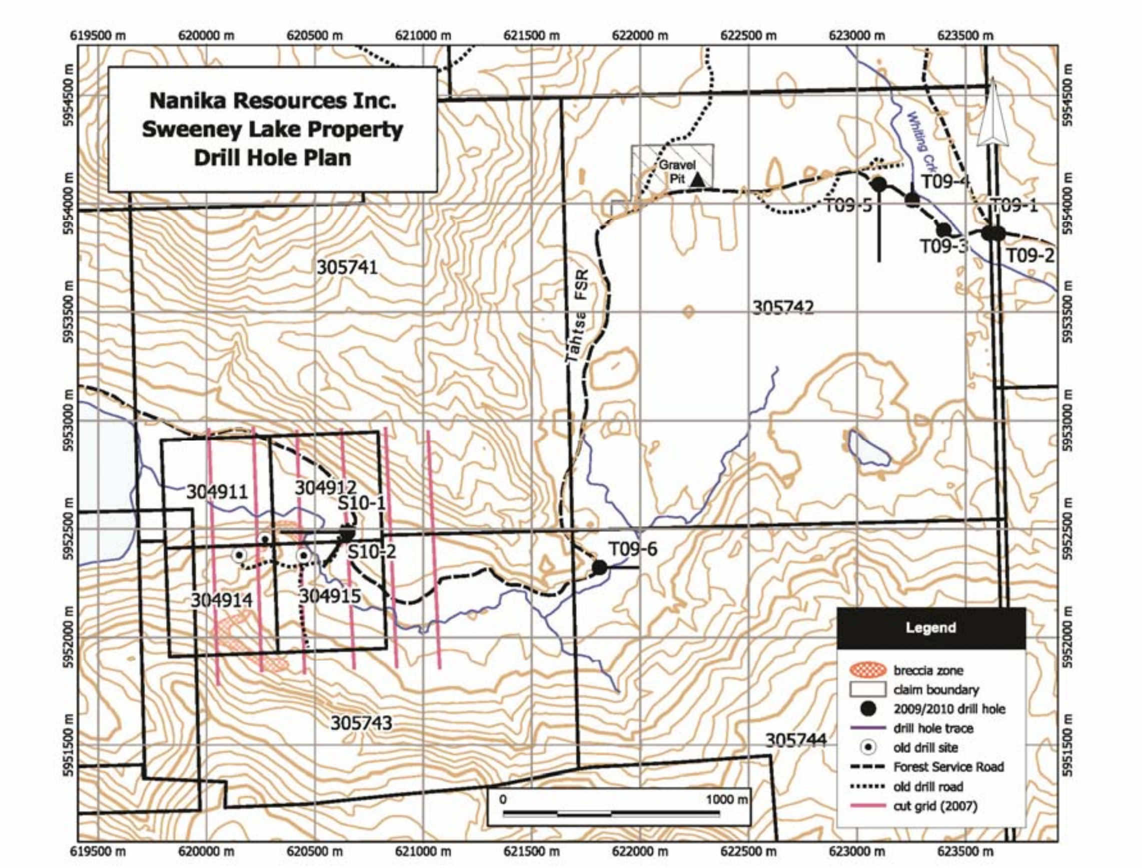


*Figure 7. Drill hole plan, Sweeney Lake property.*

## *T09-2*

Drill hole T09-2 was also collared on the Tahtsa Forest Service road approximately 60 metres east of hole T09-01 at UTM coordinates 623669E and 5953857N (NAD 83) and elevation 999 metres ASL. This hole was drilled vertically and went to a depth of 190.76 metres. Casing was set to a depth of 109.01 metres through thick overburden. From 109.01 to 190.76 (81.75 m) the hole intersected a black graphitic mudstone that did not contain any visible sulphide minerals (Plate 4). The hole was not split and assayed. All casing was recovered from this hole.

The graphitic mudstone intersected in this hole is probably part of the Lower Cretaceous Skeena Group which is known to be coal bearing. No outcrops of Skeena Group have been mapped in the vicinity of the hole and it is assumed that the unit is recessive and is not exposed on surface. The strong EM conductor is probably due to the presence of graphite in these mudstones.


*Plate 4. Photo of black graphitic mudstone core from hole T09-2 (labelled TED-02-09 on the core boxes). These rocks are interpreted to be part of the Lower Cretaceous Skeena Group and may be the source of the strong airborne electromagnetic conductor.*

### *T09-3*

Drill hole T09-3 was collared on the Tahtsa FSR at UTM coordinates 623400E and 5953876N at an elevation 988 metres ASL. The hole was drilled vertically but was lost quickly in a massive boulder field associated with an old channel of Whiting Creek. The hole was abandoned and the drilled move to site T09-4 further west along the road and away from the main Whiting Creek channel.

### *T09-4*

Drill hole T09-4 was collared on the Tahtsa FSR at UTM coordinates 623254E and 5954017N, elevation 988 metres ASL. This site was approximately 150 metres east and 41 metres north of abandoned site T09-3. The hole was drilled due north at an inclination of -60°. Casing was set to a depth of 39.36 metres. From the bottom of the casing to a depth of 160.48 metres this hole intersected fresh to chlorite-epidote altered andesitic volcanic rocks of the Lower Jurassic Telkwa Formation. These rocks contained trace amounts of disseminated pyrite. There was a number of narrow, unmineralized quartz-feldspar porphyry dykes observed in the drill core. The core was not split and sampled. All casing was removed from the hole.

### *T09-5*

Drill hole T09-5 was also collared on the Tahtsa FSR just south of a small borrow pit at UTM coordinates 623102E, 5954089N (NAD83) and an elevation of 993 metres ASL.

This site is approximately 150 metres west and 70 metres north of drill hole T09-4. This hole was drilled due south (azimuth 180°) at an inclination of -48°. Only 3.18 metres of casing was required before the drill hole intersected solid bedrock. From 3.18 to 535.96 metres this hole intersected chlorite-epidote altered andesitic volcanic rocks cut by pyritic feldspar porphyry dykes. Dyke material comprised nearly 20% of the core recovered from this hole. The entire hole was split and sampled in 3 metre intervals. Analytical results indicate that there were no significant intersections in the hole.

### *T09-6*

Drill hole T09-6 was collared on the Tahtsa FSR just west of a large swampy area at the base of Huckleberry Mountain. The target here was a north trending EM conductor detected in the 1990 airborne survey. The hole was collared at UTM coordinates 621812E and 5952322N and drilled due east at an inclination of -55º to intersect the conductor. Casing was set to 12.11 metres. This hole intersected mainly andesitic volcanic rocks. However the last 17.02 metres of the hole was an altered and mineralized quartz-feldspar porphyry dyke intruding graphitic mudstones similar to those intersected in hole T09-02. This interval was split and sampled and returned some anomalous Mo (103 ppm), Cu (268 ppm), Ag (2.3 ppm) and As (4641.1 ppm) values associated with the contact zone of the dyke. Anomalous As and Ag values occur at the dyke contact between 303-308 metres. Arsenopyrite was noted in the drill core. The quartz-feldspar porphyry dyke is similar to those intersected in hole T09-5.

### *S10-1*

Drill holes S10-1 and S10-2 were drilled in January 2010 from the same drill pad located along the Tahtsa FSR on the Sweeney claims (Figure 4). The drill pad was located at UTM coordinates 620651E and 5952484N. Drill hole S10-1 was drilled at azimuth 270° and inclination -45°. The target was an area of high chargeability detected in a 2005 IP survey and the mineralized breccia exposed on surface and intersected in the 1970's drilling. This hole was split and sampled in 3 metre intervals. Three selected intervals totalling 90.9 metres were submitted to Acme Labs for rush analyses due to the presence of visible copper mineralization. Table 5 is a summary of the results obtained for these sample intervals.

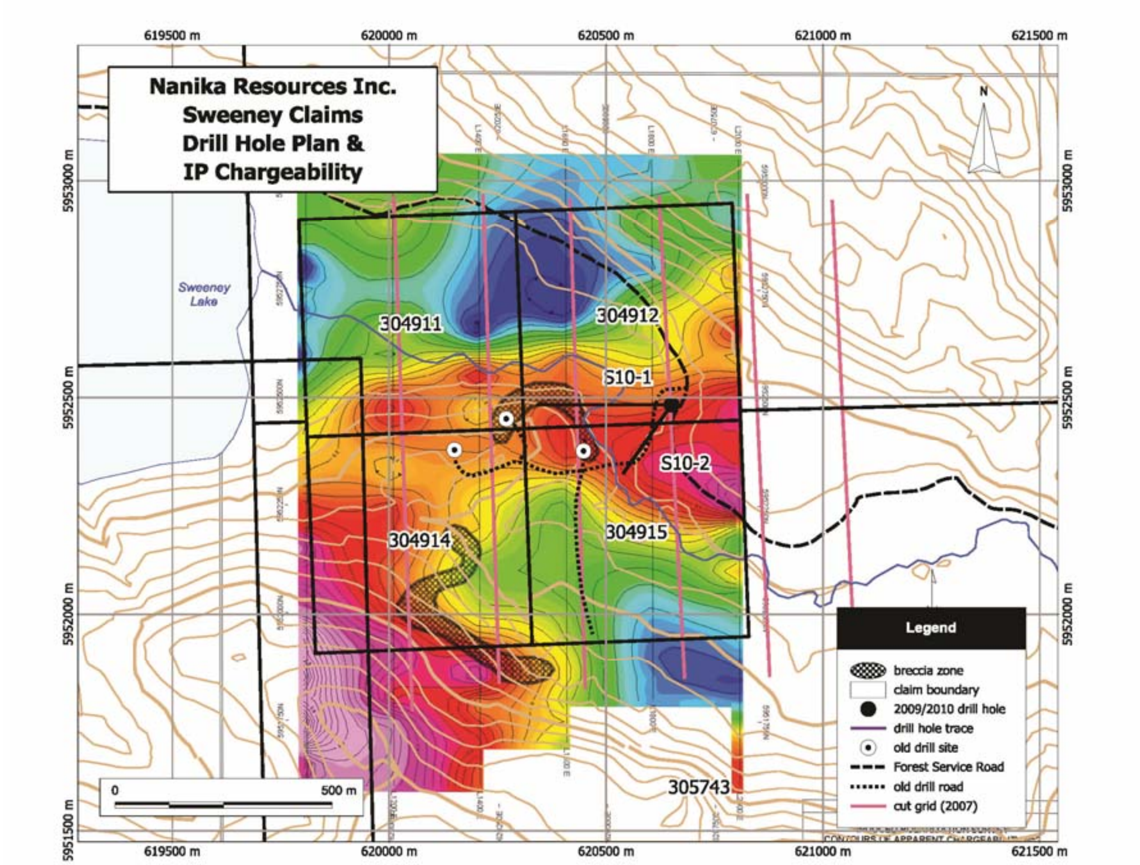


*Figure 8. Location of drill holes and IP chargeability, Sweeney Claims. Chargeability values increase from blue (low) through to purple (high).*

**Table 5. Mineralized intervals, drill hole S10-1.**

| Interval | From (m) | To (m) | Length (m) | ppm Cu |
|---|---|---|---|---|
| 1 | 248.5 | 266.53 | 18.0 | 764.5 |
| including | 254.53 | 257.53 | 3.0 | 2538.4 |
| 2 | 332.53 | 353.53 | 21.0 | 746.7 |
| including | 341.53 | 344.53 | 3.0 | 1575.1 |
| 3 | 389.53 | 441.46 | 51.9 | 354.4 |
| including | 416.53 | 419.53 | 6.0 | 1201.0 |

The remainder of drill hole S10-1 was assayed in 3 core intervals: 8.53 to 248.53 metres, 266.53 to 332.53 metres and 353.53 to 389.53 metres. The best result was from 23.53 to 44.53 metres which averaged 403 ppm Cu, 301 ppm Pb, 2653 ppm Zn and 9 ppm Ag (9 grams per tonne). When the results for the entire hole are combined, the overall Cu grade is 270 ppm over 441.46 metres.

The low grade copper mineralization encountered in hole S10-1 occurs in a chlorite-epidote-magnetite-pyrite altered lapilli tuff. Copper bearing breccia was intersected toward the bottom of the hole and may be the same breccia body that is exposed on surface. The hole was not drilled far enough to determine how extensive this breccia body is at depth and whether copper grades improve in this direction.

### *S10-2*

Diamond drill hole S10-2 was drilled at azimuth 215° and inclination -45° from the same drill site as hole S10-1. The entire length of hole S10-2 (276.76 metres) had weakly anomalous copper concentrations with the highest value of 1493 ppm (0.149%) Cu occurring between 107.53-110.54 metres. The host rock for this mineralization is a chlorite-epidote-magnetite-pyrite altered lapilli tuff which is locally brecciated. The purpose of this hole was to test the IP chargeability anomaly shown on Figure 8.

## CONCLUSIONS AND RECOMMENDATIONS

Drilling on the Ted claims (holes T09-1 to T09-6) has failed to intersect any significant sulphide mineralization. The only exception is the bottom of hole T09-6 which intersected an altered and mineralized quartz-feldspar porphyry intrusive with slightly elevated Cu, Mo, As and Ag values. Additional drilling may be warranted in this area to determine if this intrusive is on the edge of a larger complex that may have associated porphyry copper style mineralization similar to the Huckleberry deposit. Before drilling is contemplated a ground IP survey should be done to the east over the low-lying swampy area. This survey would also cover the extent of the EM anomaly detected in the 1990 airborne survey.

The low grade copper mineralization encountered in hole S10-2 is similar to that encountered in the upper part of hole S10-1. In both holes sulphide mineralization occurs in a chlorite-epidote-magnetite-pyrite altered lapilli tuff. The chargeability anomaly defined by the 2005 IP survey appears to be associated with low to moderate concentrations of sulphides in the volcanic rocks. This style of alteration and mineralization is typical of the propylitic zone that is often found peripheral to a porphyry copper deposit. Other indications of a possible porphyry deposit at depth include a nearby mineralized breccia pipe and small intrusions of granodiorite. Additional drilling will be required to fully evaluate this target. In particular drill holes should be position north of the IP anomaly and drilled south to intersect the anomaly and the associated zones of brecciation and copper mineralization.

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# APPENDIX A – STATEMENT OF EXPENDITURES

| Exploration Work type | Comment | No. | Units | Rate | Subtotal | Totals |
|---|---|---|---|---|---|---|
| **Personnel / Position** | **Field Days** | | | | | |
| D. MacIntyre/ Geologist | Nov. 26-27; Dec. 7; Dec. 17-19 | 5.0 | Days | $500.00 | $2,500.00 | |
| B. Graff/ Engineer | Nov. 26-Dec.21, 2009/Jan. 16-26, 2010 | | | | $1,443.25 | |
| R. Beck/ Geologist - core splitting, logging | Nov. 26-Dec.21, 2009/Jan. 16-26, 2010 | | | | $3,269.50 | |
| G. Thompson / Project Management | Nov. 26-Dec.21, 2009/Jan. 16-26, 2010 | | | | $1,455.00 | |
| | | | | | $8,667.75 | **$8,667.75** |
| **Office Studies** | | | | | | |
| Literature search/data compilation/report writing | D. MacIntyre | 3.5 | Days | $500.00 | $1,750.00 | |
| | | | | | $1,750.00 | **$1,750.00** |
| **Diamond Drilling** | | | | | | |
| Low Profile Exploration - support | Nov. 26-Dec.21, 2009/Jan. 16-26, 2010 | | | | $4,780.50 | |
| More Core Drilling Services - labour | Nov. 26-Dec.21, 2009/Jan. 16-26, 2010 | | | | $27,650.00 | |
| More Core Drilling Services - coring | Nov. 26-Dec.21, 2009/Jan. 16-26, 2010 | 2001.95 | Metres | | $161,320.10 | |
| | | | | | $193,750.60 | **$193,750.60** |
| **Exploration Services** | | | | | | |
| Core logging/research/report prep. | D. MacIntyre (D.G. MacIntyre & Assoc. Ltd.) | | | | | |
| Project Management | G. Thompson (Low Profile Exploration) | | | | | |
| Core splitting/logging | R. Beck (UTM Exploration) | | | | | |
| Engineering/permitting | B.Graff (Graff Engineering) | | | | | |
| **Geochemical Surveying** | | | | | | |
| Analytical Services | Acme Labs. - 364 drill core samples | | | | $8,299.31 | |
| | | | | | $8,299.31 | **$8,299.31** |
| **Transportation** | | | | | | |
| airfare - Victoria-Smithers return | D. MacIntyre (Nov. 26-27; Dec. 4-6; Dec 17-19) | | | | $1,989.00 | |
| truck rental | D. MacIntyre (Nov. 26-27; Dec. 4-6; Dec 17-19) | | | | $438.96 | |
| truck rental | UTM Exploration | | | | $280.82 | |
| truck rental | More Core Drilling | | | | $15,832.50 | |
| truck rental | Low Profile Exploration | | | | $3,692.65 | |
| | | | | | $22,233.93 | **$22,233.93** |
| **Accommodation & Food** | | | | | | |
| Hotel - Smithers | D. MacIntyre | 3.0 | Days | $119.90 | $359.70 | |
| Meals - Smithers/Houston | D. MacIntyre | | | | $103.00 | |
| Camp Costs | More Core Drilling | | | | $8,100.00 | |
| | | | | | $8,562.70 | **$8,562.70** |
| **Equipment Rentals/Field Expenses** | | | | | | |
| Field expenses | More Core Diamond Drilling Inc. | | | | $64,594.93 | |
| Core splitting equipment | Low Profile Exploration | | | | $280.00 | |

| | | | |
|---|---|---|---|
| Core splitting equipment | UTM Exploration | $599.27 | |
| Communications System | Tower Communications, Houston, BC | $197.19 | |
| | | $65,671.39 | **$65,671.39** |
| ***TOTAL Expenditures*** | | | **$308,935.68** |

## APPENDIX B – STATEMENT OF QUALIFICATIONS

I, Donald George MacIntyre, Ph.D., P.Eng., do hereby certify that:

1. I am a Consulting Geologist, with residence and business address at 4129 San Miguel Close, Victoria, British Columbia, Canada.
2. I graduated with a B.Sc. degree in geology from the University of British Columbia in 1971. In addition, I obtained M.Sc. and Ph.D. degrees specializing in Economic Geology from the University of Western Ontario in 1975 and 1977 respectively.
3. I have been registered with the Association of Professional Engineers and Geoscientists of British Columbia since September, 1979, registration number 11970. I am a Fellow of the Geological Association of Canada and a member of the British Columbia and Yukon Chamber of Mines.
4. I have practiced my profession as a geologist, both within government and the private sector, in British Columbia and parts of the Yukon for over 30 years. This work has included detailed geological investigations of mineral districts, geological mapping, mineral deposit modeling and building of geoscientific databases. I have directly supervised and conducted geologic mapping and mineral property evaluations, published reports and maps on different mineral districts and deposit models and compiled and analyzed data for mineral potential evaluations.
5. I am familiar with the work described in this report having visited the property, logged the core and compiled the resultant data that constitutes this report.

Dated this 7th of February, 2011


D. MacIntyre, Ph.D., P.Eng.

# APPENDIX C - DRILL HOLE LOGS & ASSAY RESULTS

| Hole | Sample No. | From | To | Length | Lithology | sericite | chlorite | edpidote | Pyrite | Chalcopy. | Galena | Sphalerite | Arsenopy. | Cu PPM | Pb PPM | Zn PPM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T09-1 | | 0 | 69.64 | 69.64 | casing (hole lost) | | | | | | | | | | | |
| T09-2 | | 0 | 109.01 | 109.01 | casing | | | | | | | | | | | |
| T09-2 | | 109.01 | 191 | 81.99 | graphitic mudstone | | | | | | | | | | | |
| T09-3 | | 0 | 0 | 0.00 | hole lost | | | | | | | | | | | |
| T09-4 | | 0 | 27.43 | 27.43 | casing | | | | | | | | | | | |
| T09-4 | | 27.43 | 72.85 | 45.42 | lapilli tuff | | x | x | | | | | | | | |
| T09-4 | | 72.85 | 75.5 | 2.65 | feldspar porphyry | | | | | | | | | | | |
| T09-4 | | 75.5 | 81.4 | 5.90 | lapilli tuff | | x | x | | | | | | | | |
| T09-4 | | 81.4 | 88.5 | 7.10 | feldspar porphyry | | | | | | | | | | | |
| T09-4 | | 88.5 | 132.2 | 43.70 | lapilli tuff | | x | x | | | | | | | | |
| T09-4 | | 132.2 | 137.4 | 5.20 | feldspar porphyry | | | | | | | | | | | |
| T09-4 | | 137.4 | 155.12 | 17.72 | lapilli tuff | | x | x | | | | | | | | |
| T09-4 | | 155.12 | 159.12 | 4.00 | feldspar porphyry | | | | | | | | | | | |
| T09-4 | | 159.12 | 161.54 | 2.42 | lapilli tuff | | x | x | | | | | | | | |
| T09-5 | 19551 | 1.31 | 3 | 1.69 | 1.51-26.65 lapilli tuff | | x | x | | | | | | 25.5 | 2.5 | 95 |
| T09-5 | 19552 | 3 | 6 | 3.00 | | | x | x | | | | | | 18.2 | 4.8 | 100 |
| T09-5 | 19553 | 6 | 9 | 3.00 | | | x | x | | | | | | 23.3 | 5.4 | 92 |
| T09-5 | 19554 | 9 | 12 | 3.00 | | | x | x | | | | | | 17.3 | 7.7 | 90 |
| T09-5 | 19555 | 12 | 15 | 3.00 | | | x | x | | | | | | 15.8 | 3.3 | 97 |
| T09-5 | 19556 | 15 | 18 | 3.00 | | | x | x | | | | | | 37 | 10.5 | 105 |
| T09-5 | 19557 | 18 | 21 | 3.00 | | | x | x | | | | | | 27 | 3.7 | 108 |
| T09-5 | 19558 | 21 | 24 | 3.00 | | | x | x | | | | | | 34 | 4.5 | 122 |
| T09-5 | 19559 | 24 | 27 | 3.00 | | | x | x | | | | | | 22 | 3.9 | 101 |
| T09-5 | 19560 | 27 | 30 | 3.00 | 26.65-63.59 feldspar porphyry dyke | | | | | | | | | 1.6 | 4.9 | 84 |
| T09-5 | 19561 | 30 | 33 | 3.00 | | | | | | | | | | 1.7 | 5.2 | 63 |
| T09-5 | 19562 | 33 | 36 | 3.00 | | | | | | | | | | 1 | 10.2 | 58 |
| T09-5 | 19563 | 36 | 39 | 3.00 | | | | | | | | | | 1.3 | 9.8 | 63 |
| T09-5 | 19564 | 39 | 42 | 3.00 | | | | | | | | | | 6.4 | 4.5 | 85 |
| T09-5 | 19565 | 42 | 45 | 3.00 | | | | | | | | | | 8.9 | 7.1 | 112 |
| T09-5 | 19566 | 45 | 48 | 3.00 | | | | | | | | | | 1.2 | 4.2 | 93 |
| T09-5 | 19567 | 48 | 51 | 3.00 | | | | | | | | | | 1.9 | 4.8 | 95 |
| T09-5 | 19568 | 51 | 54 | 3.00 | | | | | | | | | | 1.8 | 3.6 | 83 |
| T09-5 | 19569 | 54 | 57 | 3.00 | | | | | | | | | | 43.2 | 12.3 | 119 |
| T09-5 | 19571 | 57 | 60 | 3.00 | | | | | | | | | | 12.9 | 6.4 | 73 |
| T09-5 | 19572 | 60 | 63 | 3.00 | | | | | | | | | | 2.7 | 6.3 | 63 |
| T09-5 | 19573 | 63 | 66 | 3.00 | 63.59-66.01 mixed lapilli tuff and feldspar porphyry | | | | | | | | | 313.4 | 18 | 93 |
| T09-5 | 19574 | 66 | 69 | 3.00 | 66.01-86.0 feldspar porphyry | | | | | | | | | 6.5 | 6.7 | 72 |
| T09-5 | 19575 | 69 | 72 | 3.00 | | | | | | | | | | 5.2 | 5.9 | 100 |
| T09-5 | 19576 | 72 | 75 | 3.00 | | | | | | | | | | 46.9 | 26.1 | 209 |

| Hole | Sample No. | From | To | Length | Lithology | sericite | chlorite | edpidote | Pyrite | Chalcopy. | Galena | Sphalerite | Arsenopy. | Cu PPM | Pb PPM | Zn PPM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T09-5 | 19577 | 75 | 78 | 3.00 | | | | | | | | | | 59.6 | 41.8 | 275 |
| T09-5 | 19578 | 78 | 81 | 3.00 | | | | | | | | | | 44.7 | 3.1 | 117 |
| T09-5 | 19579 | 81 | 84 | 3.00 | | | | | | | | | | 46.8 | 4.7 | 119 |
| T09-5 | 19580 | 84 | 87 | 3.00 | | | | | | | | | | 17.6 | 10.6 | 109 |
| T09-5 | 19581 | 87 | 90 | 3.00 | 86.00 - 105.07 lapilli tuff | | x | x | | | | | | 57.1 | 21 | 126 |
| T09-5 | 19582 | 90 | 93 | 3.00 | | | x | x | | | | | | 10 | 40.5 | 151 |
| T09-5 | 19583 | 93 | 96 | 3.00 | | | x | x | | | | | | 21.4 | 34.6 | 117 |
| T09-5 | 19584 | 96 | 99 | 3.00 | | | x | x | | | | | | 13.6 | 32 | 107 |
| T09-5 | 19585 | 99 | 102 | 3.00 | | | x | x | | | | | | 41.1 | 14.2 | 138 |
| T09-5 | 19586 | 102 | 105 | 3.00 | | | x | x | | | | | | 48.7 | 7.4 | 84 |
| T09-5 | 19587 | 105 | 108 | 3.00 | 105.07 - 110.22 feldspar porphyry | | | | | | | | | 63.7 | 5.8 | 83 |
| T09-5 | 19588 | 108 | 111 | 3.00 | | | | | | | | | | 2.9 | 12 | 51 |
| T09-5 | 19589 | 111 | 114 | 3.00 | 110.22 - 246.78 lapilli tuff | | x | x | | | | | | 17.3 | 3.2 | 80 |
| T09-5 | 19591 | 114 | 117 | 3.00 | | | x | x | | | | | | 12.1 | 2.8 | 94 |
| T09-5 | 19592 | 117 | 120 | 3.00 | | | x | x | | | | | | 14.8 | 2.2 | 100 |
| T09-5 | 19593 | 120 | 123 | 3.00 | | | x | x | | | | | | 30.5 | 1.9 | 89 |
| T09-5 | 19594 | 123 | 126 | 3.00 | | | x | x | | | | | | 13.5 | 1.9 | 77 |
| T09-5 | 19595 | 126 | 129 | 3.00 | | | x | x | | | | | | 42.7 | 3.6 | 95 |
| T09-5 | 19596 | 129 | 132 | 3.00 | | | x | x | | | | | | 55.9 | 2.7 | 122 |
| T09-5 | 19597 | 132 | 135 | 3.00 | | | x | x | | | | | | 33 | 2.7 | 140 |
| T09-5 | 19598 | 135 | 138 | 3.00 | | | x | x | | | | | | 40.4 | 3.1 | 150 |
| T09-5 | 19599 | 138 | 141 | 3.00 | | | x | x | | | | | | 43 | 2 | 88 |
| T09-5 | 19600 | 141 | 144 | 3.00 | | | x | x | | | | | | 30.3 | 1.9 | 83 |
| T09-5 | 19601 | 144 | 147 | 3.00 | | | x | x | | | | | | 11.8 | 1.1 | 73 |
| T09-5 | 19602 | 147 | 150 | 3.00 | | | x | x | | | | | | 14.9 | 1.3 | 82 |
| T09-5 | 19603 | 150 | 153 | 3.00 | | | x | x | | | | | | 29.1 | 28.4 | 112 |
| T09-5 | 19604 | 153 | 156 | 3.00 | | | x | x | | | | | | 24.5 | 1.6 | 92 |
| T09-5 | 19605 | 156 | 159 | 3.00 | | | x | x | | | | | | 36.6 | 2 | 101 |
| T09-5 | 19606 | 159 | 162 | 3.00 | | | x | x | | | | | | 29.3 | 1.5 | 94 |
| T09-5 | 19607 | 162 | 165 | 3.00 | | | x | x | | | | | | 28.6 | 2.4 | 93 |
| T09-5 | 19608 | 165 | 168 | 3.00 | | | x | x | | | | | | 24.9 | 1.4 | 91 |
| T09-5 | 19609 | 168 | 171 | 3.00 | | | x | x | | | | | | 49 | 2.6 | 103 |
| T09-5 | 19611 | 171 | 174 | 3.00 | | | x | x | | | | | | 43.4 | 2.6 | 123 |
| T09-5 | 19612 | 174 | 177 | 3.00 | | | x | x | | | | | | 30.2 | 3.1 | 107 |
| T09-5 | 19613 | 177 | 180 | 3.00 | | | x | x | x | | | | | 29.8 | 2.6 | 107 |
| T09-5 | 19614 | 180 | 183 | 3.00 | | | x | x | | | | | | 24.5 | 2.5 | 110 |
| T09-5 | 19615 | 183 | 186 | 3.00 | | | x | x | | | | | | 35.9 | 1.8 | 100 |
| T09-5 | 19616 | 186 | 189 | 3.00 | | | x | x | | | | | | 45.5 | 1.5 | 105 |
| T09-5 | 19617 | 189 | 192 | 3.00 | | | x | x | | | | | | 67.4 | 1.3 | 103 |
| T09-5 | 19618 | 192 | 195 | 3.00 | | | x | x | | | | | | 76.7 | 2.2 | 104 |
| T09-5 | 19619 | 195 | 198 | 3.00 | | | x | x | | | | | | 56.5 | 1.9 | 101 |
| T09-5 | 19620 | 198 | 201 | 3.00 | | | x | x | | | | | | 78.6 | 1.4 | 89 |
| T09-5 | 19621 | 201 | 204 | 3.00 | | | x | x | | | | | | 74.7 | 21.8 | 100 |
| T09-5 | 19622 | 204 | 207 | 3.00 | | | x | x | | | | | | 72.8 | 4.4 | 99 |
| T09-5 | 19623 | 207 | 210 | 3.00 | | | x | x | | | | | | 46.1 | 11.6 | 109 |
| T09-5 | 19624 | 210 | 213 | 3.00 | | | x | x | | | | | | 25.2 | 2.3 | 103 |

| Hole | Sample No. | From | To | Length | Lithology | sericite | chlorite | edpidote | Pyrite | Chalcopy. | Galena | Sphalerite | Arsenopy. | Cu PPM | Pb PPM | Zn PPM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T09-5 | 19625 | 213 | 216 | 3.00 | | | x | x | | | | | | 25.5 | 1.6 | 99 |
| T09-5 | 19626 | 216 | 219 | 3.00 | | | x | x | | | | | | 24.7 | 1.6 | 87 |
| T09-5 | 19627 | 219 | 222 | 3.00 | | | x | x | | | | | | 28 | 1.6 | 90 |
| T09-5 | 19628 | 222 | 225 | 3.00 | | | x | x | | | | | | 24.5 | 2.4 | 86 |
| T09-5 | 19629 | 225 | 228 | 3.00 | | | x | x | | | | | | 25.4 | 1.7 | 93 |
| T09-5 | 19631 | 228 | 231 | 3.00 | | | x | x | | | | | | 25.9 | 1.4 | 89 |
| T09-5 | 19632 | 231 | 234 | 3.00 | | | x | x | | | | | | 46.6 | 8.6 | 117 |
| T09-5 | 19633 | 234 | 237 | 3.00 | | | x | x | | | | | | 44.1 | 2.2 | 105 |
| T09-5 | 19634 | 237 | 240 | 3.00 | | | x | x | | | | | | 44 | 3.6 | 104 |
| T09-5 | 19635 | 240 | 243 | 3.00 | | | x | x | | | | | | 41.3 | 5.3 | 118 |
| T09-5 | 19636 | 243 | 246 | 3.00 | | | x | x | | | | | | 39.9 | 7.1 | 154 |
| T09-5 | 19637 | 246 | 249 | 3.00 | 246.78 - 246.93 mafic dyke | | x | x | x | | | | | 32 | 2.7 | 106 |
| T09-5 | 19638 | 249 | 252 | 3.00 | 246.93 - 252.38 lapilli tuff | | x | x | | | | | | 8.1 | 1.8 | 115 |
| T09-5 | 19639 | 252 | 255 | 3.00 | 252.38 - 255.56 feldpar porphyry | | | | | | | | | 27.1 | 2.9 | 91 |
| T09-5 | 19640 | 255 | 258 | 3.00 | 255.56 - 281.60 lapilli tuff | | x | x | | | | | | 27 | 2.6 | 99 |
| T09-5 | 19641 | 258 | 261 | 3.00 | | | x | x | | | | | | 35 | 5.2 | 101 |
| T09-5 | 19642 | 261 | 264 | 3.00 | | | x | x | | | | | | 25.7 | 2 | 103 |
| T09-5 | 19643 | 264 | 267 | 3.00 | | | x | x | | | | | | 21.2 | 2.8 | 90 |
| T09-5 | 19644 | 267 | 270 | 3.00 | | | x | x | | | | | | 25.9 | 2.1 | 89 |
| T09-5 | 19645 | 270 | 273 | 3.00 | | | x | x | | | | | | 23.7 | 6.8 | 99 |
| T09-5 | 19646 | 273 | 276 | 3.00 | | | x | x | | | | | | 32.2 | 2.7 | 96 |
| T09-5 | 19647 | 276 | 279 | 3.00 | | | x | x | | | | | | 25.7 | 1.7 | 91 |
| T09-5 | 19648 | 279 | 282 | 3.00 | | | x | x | | | | | | 24.4 | 8.4 | 224 |
| T09-5 | 19649 | 282 | 285 | 3.00 | 281.60 - 287.51 feldspar porphyry | | | | | | | | | 2.1 | 1.7 | 122 |
| T09-5 | 19651 | 285 | 288 | 3.00 | | | | | | | | | | 0.9 | 1.5 | 101 |
| T09-5 | 19652 | 288 | 291 | 3.00 | 287.51 - 340.65 lapilli tuff | | x | x | | | | | | 24.4 | 10.8 | 159 |
| T09-5 | 19653 | 291 | 294 | 3.00 | | | x | x | | | | | | 46.7 | 7 | 127 |
| T09-5 | 19654 | 294 | 297 | 3.00 | | | x | x | | | | | | 43.8 | 1.9 | 115 |
| T09-5 | 19655 | 297 | 300 | 3.00 | | | x | x | | | | | | 17.4 | 4.2 | 92 |
| T09-5 | 19656 | 300 | 303 | 3.00 | | | x | x | | | | | | 28 | 2.3 | 99 |
| T09-5 | 19657 | 303 | 306 | 3.00 | | | x | x | | | | | | 23.9 | 2.1 | 93 |
| T09-5 | 19658 | 306 | 309 | 3.00 | | | x | x | | | | | | 27.7 | 2.1 | 97 |
| T09-5 | 19659 | 309 | 312 | 3.00 | | | x | x | | | | | | 25.9 | 2.4 | 93 |
| T09-5 | 19660 | 312 | 315 | 3.00 | | | x | x | | | | | | 13.4 | 2 | 88 |
| T09-5 | 19661 | 315 | 318 | 3.00 | | | x | x | | | | | | 16.4 | 2.3 | 98 |
| T09-5 | 19662 | 318 | 321 | 3.00 | | | x | x | | | | | | 32 | 2.1 | 102 |
| T09-5 | 19663 | 321 | 324 | 3.00 | | | x | x | | | | | | 21.5 | 1.9 | 90 |
| T09-5 | 19664 | 324 | 327 | 3.00 | | | x | x | | | | | | 27 | 5.3 | 94 |
| T09-5 | 19665 | 327 | 330 | 3.00 | | | x | x | | | | | | 22.8 | 2.4 | 93 |
| T09-5 | 19666 | 330 | 333 | 3.00 | | | x | x | | | | | | 22.2 | 2.4 | 101 |
| T09-5 | 19667 | 333 | 336 | 3.00 | | | x | x | | | | | | 20.5 | 1.9 | 92 |

| Hole | Sample No. | From | To | Length | Lithology | sericite | chlorite | edpidote | Pyrite | Chalcopy. | Galena | Sphalerite | Arsenopy. | Cu PPM | Pb PPM | Zn PPM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T09-5 | 19668 | 336 | 339 | 3.00 | | | x | x | | | | | | 34.8 | 1.8 | 96 |
| T09-5 | 19669 | 339 | 342 | 3.00 | 340.65 - 344.13 mafic dyke | | x | x | | | | | | 28.8 | 1.7 | 101 |
| T09-5 | 19671 | 342 | 345 | 3.00 | | | x | x | | | | | | 28.7 | 2.5 | 117 |
| T09-5 | 19672 | 345 | 348 | 3.00 | 344.13 - 400.09 lapilli tuff | | x | x | x | | | | | 11.3 | 2 | 113 |
| T09-5 | 19673 | 348 | 351 | 3.00 | | | x | x | | | | | | 17.3 | 1.3 | 100 |
| T09-5 | 19674 | 351 | 354 | 3.00 | | | x | x | | | | | | 3.6 | 1.2 | 115 |
| T09-5 | 19675 | 354 | 357 | 3.00 | | | x | x | | | | | | 20.4 | 1.8 | 94 |
| T09-5 | 19676 | 357 | 360 | 3.00 | | | x | x | | | | | | 26.5 | 2.5 | 101 |
| T09-5 | 19677 | 360 | 363 | 3.00 | | | x | x | | | | | | 20.7 | 3.3 | 104 |
| T09-5 | 19678 | 363 | 366 | 3.00 | | | x | x | | | | | | 24.4 | 2 | 95 |
| T09-5 | 19679 | 366 | 369 | 3.00 | | | x | x | | | | | | 36.6 | 1.9 | 97 |
| T09-5 | 19680 | 369 | 372 | 3.00 | | | x | x | | | | | | 14.4 | 2 | 87 |
| T09-5 | 19681 | 372 | 375 | 3.00 | | | x | x | | | | | | 27.4 | 1.5 | 94 |
| T09-5 | 19682 | 375 | 378 | 3.00 | | | x | x | | | | | | 22.3 | 2.4 | 89 |
| T09-5 | 19683 | 378 | 381 | 3.00 | | | x | x | | | | | | 28.6 | 2.1 | 105 |
| T09-5 | 19684 | 381 | 384 | 3.00 | | | x | x | | | | | | 37.5 | 4.6 | 87 |
| T09-5 | 19685 | 384 | 387 | 3.00 | | | x | x | | | | | | 32.4 | 1.9 | 98 |
| T09-5 | 19686 | 387 | 390 | 3.00 | | | x | x | | | | | | 22.8 | 2.4 | 95 |
| T09-5 | 19687 | 390 | 393 | 3.00 | | | x | x | | | | | | 15.9 | 4.1 | 93 |
| T09-5 | 19688 | 393 | 396 | 3.00 | | | x | x | | | | | | 20.7 | 1.5 | 92 |
| T09-5 | 19689 | 396 | 399 | 3.00 | | | x | x | | | | | | 64.9 | 25.2 | 174 |
| T09-5 | 19691 | 399 | 402 | 3.00 | | | x | x | | | | | | 33.8 | 6.3 | 105 |
| T09-5 | 19692 | 402 | 405 | 3.00 | 400.09- 403.94 mafic dyke | | x | x | | | | | | 59.7 | 1.8 | 100 |
| T09-5 | 19693 | 405 | 408 | 3.00 | 403.94 - 421.19 lapilli tuff | | x | x | | | | | | 52.1 | 2.2 | 83 |
| T09-5 | 19694 | 408 | 411 | 3.00 | | | x | x | | | | | | 22.1 | 3.6 | 91 |
| T09-5 | 19695 | 411 | 414 | 3.00 | | | x | x | | | | | | 13.8 | 2.1 | 89 |
| T09-5 | 19696 | 414 | 417 | 3.00 | | | x | x | | | | | | 22.5 | 1.9 | 89 |
| T09-5 | 19697 | 417 | 420 | 3.00 | | | x | x | | | | | | 36.3 | 2.2 | 115 |
| T09-5 | 19698 | 420 | 423 | 3.00 | 421.19 - 428.76 feldspar porphyry | | | | | | | | | 74.3 | 2.7 | 115 |
| T09-5 | 19699 | 423 | 426 | 3.00 | | | | | | | | | | 28.7 | 3.4 | 121 |
| T09-5 | 19700 | 426 | 429 | 3.00 | | | | | | | | | | 0.8 | 4.3 | 103 |
| T09-5 | 19701 | 429 | 432 | 3.00 | 428.76 - 449.51 lapilli tuff | | x | x | | | | | | 1.6 | 3.6 | 112 |
| T09-5 | 19702 | 432 | 435 | 3.00 | | | x | x | | | | | | 18.8 | 17.7 | 273 |
| T09-5 | 19703 | 435 | 438 | 3.00 | | | x | x | | | | | | 16 | 10 | 145 |
| T09-5 | 19704 | 438 | 441 | 3.00 | | | x | x | | | | | | 28.9 | 2.7 | 132 |
| T09-5 | 19705 | 441 | 444 | 3.00 | | | x | x | | | | | | 49 | 3.4 | 437 |
| T09-5 | 19706 | 444 | 447 | 3.00 | | | x | x | | | | | | 28.2 | 2 | 187 |
| T09-5 | 19707 | 447 | 450 | 3.00 | | | x | x | | | | | | 30.5 | 7.1 | 174 |
| T09-5 | 19708 | 450 | 453 | 3.00 | 449.51 - 455.71 feldspar porphyry | | | | | | | | | 81.2 | 10.8 | 242 |
| T09-5 | 19709 | 453 | 456 | 3.00 | | | | | | | | | | 0.7 | 36.9 | 107 |
| T09-5 | 19711 | 456 | 459 | 3.00 | 455.71 - 482.06 lapilli tuff | | x | x | | | | | | 7.1 | 2.6 | 105 |
| T09-5 | 19712 | 459 | 462 | 3.00 | | | x | x | | | | | | 36.4 | 3.1 | 116 |
| T09-5 | 19713 | 462 | 465 | 3.00 | | | x | x | | | | | | 25.4 | 2 | 93 |
| T09-5 | 19714 | 465 | 468 | 3.00 | | | x | x | | | | | | 20.4 | 1.7 | 87 |

| Hole | Sample No. | From | To | Length | Lithology | sericite | chlorite | edpidote | Pyrite | Chalcopy. | Galena | Sphalerite | Arsenopy. | Cu PPM | Pb PPM | Zn PPM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T09-5 | 19715 | 468 | 471 | 3.00 | | | x | x | | | | | | 43.3 | 1.7 | 104 |
| T09-5 | 19716 | 471 | 474 | 3.00 | | | x | x | | | | | | 58.3 | 2.6 | 96 |
| T09-5 | 19717 | 474 | 477 | 3.00 | | | x | x | | | | | | 42.1 | 1.8 | 105 |
| T09-5 | 19718 | 477 | 480 | 3.00 | | | x | x | | | | | | 107.2 | 2 | 131 |
| T09-5 | 19719 | 480 | 483 | 3.00 | | | x | x | | | | | | 18.7 | 2.9 | 87 |
| T09-5 | 19720 | 483 | 486 | 3.00 | 482.06 - 489.32 feldspar porphyry | | | | | | | | | 40.3 | 4.9 | 109 |
| T09-5 | 19721 | 486 | 489 | 3.00 | | | | | | | | | | 4.7 | 2.7 | 122 |
| T09-5 | 19722 | 489 | 492 | 3.00 | 489.32 - 522.63 lapilli tuff | | x | x | | | | | | 29.8 | 5.7 | 150 |
| T09-5 | 19723 | 492 | 495 | 3.00 | | | x | x | | | | | | 35.4 | 13.7 | 126 |
| T09-5 | 19724 | 495 | 498 | 3.00 | | | x | x | | | | | | 20.3 | 7.5 | 121 |
| T09-5 | 19725 | 498 | 501 | 3.00 | | | x | x | | | | | | 3.1 | 2.1 | 116 |
| T09-5 | 19726 | 501 | 504 | 3.00 | | | x | x | | | | | | 9.3 | 2.5 | 120 |
| T09-5 | 19727 | 504 | 507 | 3.00 | | | x | x | | | | | | 26 | 2.5 | 138 |
| T09-5 | 19728 | 507 | 510 | 3.00 | | | x | x | | | | | | 31.2 | 1.7 | 125 |
| T09-5 | 19729 | 510 | 513 | 3.00 | | | x | x | | | | | | 3.3 | 1.8 | 66 |
| T09-5 | 19731 | 513 | 516 | 3.00 | | | x | x | | | | | | 5.5 | 3.1 | 59 |
| T09-5 | 19732 | 516 | 519 | 3.00 | | | x | x | | | | | | 41.7 | 7.8 | 149 |
| T09-5 | 19733 | 519 | 522 | 3.00 | | | x | x | | | | | | 52.2 | 7.5 | 167 |
| T09-5 | 19734 | 522 | 525 | 3.00 | 522.63 - 532.32 feldpsar porphyry | | | | | | | | | 20.6 | 4.7 | 115 |
| T09-5 | 19735 | 525 | 528 | 3.00 | | | | | | | | | | 39.5 | 73.7 | 204 |
| T09-5 | 19736 | 528 | 531 | 3.00 | | | | | | | | | | 16 | 14 | 253 |
| T09-5 | 19737 | 531 | 534 | 3.00 | | | | | | | | | | 16.1 | 14.6 | 120 |
| T09-5 | 19738 | 534 | 537 | 3.00 | 532.32 - 539.47 lapilli tuff | | x | x | | | | | | 13.6 | 25.5 | 107 |
| T09-5 | 19739 | 537 | 539.47 | 2.47 | | | x | x | | | | | | 8.3 | 2.5 | 156 |
| T09-6 | | 0 | 12.11 | 12.11 | casing | | | | | | | | | | | |
| T09-6 | | 12.11 | 303 | 290.89 | 12.11- 303.0 lapilli tuff | | | | | | | | | | | |
| T09-6 | 19744 | 303.00 | 306.00 | 3.00 | 303.0 - 306.0 mudstone | x | | | x | | | | x | 40.7 | 40.8 | 148 |
| T09-6 | 19745 | 306.00 | 308.00 | 2.00 | 3.06 - 320.02 feldspar porphyry | x | | | x | | | | x | 58.9 | 60.8 | 188 |
| T09-6 | 19747 | 308.00 | 311.00 | 3.00 | | x | | | x | | | | | 59.6 | 8.2 | 60 |
| T09-6 | 19748 | 311.00 | 314.00 | 3.00 | | x | | | x | | | | | 70.2 | 5.5 | 70 |
| T09-6 | 19749 | 314.00 | 317.00 | 3.00 | | x | | | x | | | | | 268.1 | 5.3 | 66 |
| T09-6 | 19750 | 317.00 | 320.02 | 3.02 | | x | | | x | | | | | 81 | 5.1 | 57 |
| S10-1 | 19751 | 8.53 | 11.53 | 3.00 | 8.53 - 441.46 lapilli tuff, locally brecciated, strong chlorite and epidote alteration | | x | x | x | | | | | 160.1 | 26.7 | 61 |
| S10-1 | 19752 | 11.53 | 14.53 | 3.00 | | | x | x | x | | | | | 176.6 | 3.7 | 41 |
| S10-1 | 19753 | 14.53 | 17.53 | 3.00 | | | x | x | x | | | | | 279 | 15 | 49 |
| S10-1 | 19754 | 17.53 | 20.53 | 3.00 | | | x | x | x | | | | | 302.8 | 22.2 | 111 |
| S10-1 | 19755 | 20.53 | 23.53 | 3.00 | | | x | x | x | | | | | 282.2 | 11.8 | 73 |
| S10-1 | 19756 | 23.53 | 26.53 | 3.00 | | | x | x | x | | x | x | | 264.1 | 640.8 | 1870 |
| S10-1 | 19757 | 26.53 | 29.53 | 3.00 | | | x | x | x | x | | x | | 610.2 | 369.9 | 3357 |
| S10-1 | 19758 | 29.53 | 32.53 | 3.00 | | | x | x | x | | | x | | 269.3 | 224.3 | 842 |
| S10-1 | 19759 | 32.53 | 35.53 | 3.00 | | | x | x | x | | | | | 196.4 | 90.2 | 414 |
| S10-1 | 19760 | 35.53 | 38.53 | 3.00 | | | x | x | x | x | | x | | 864.1 | 499.8 | 2372 |
| S10-1 | 19761 | 38.53 | 41.53 | 3.00 | | | x | x | x | | | x | | 312.1 | 222.9 | 7514 |
| S10-1 | 19762 | 41.53 | 44.53 | 3.00 | | | x | x | x | | | x | | 305.4 | 56.9 | 2203 |
| S10-1 | 19763 | 44.53 | 47.53 | 3.00 | | | x | x | | | | | | 37.8 | 9 | 189 |
| S10-1 | 19764 | 47.53 | 50.53 | 3.00 | | | x | x | x | | | | | 180.4 | 6.4 | 107 |

| Hole | Sample No. | From | To | Length | Lithology | sericite | chlorite | edpidote | Pyrite | Chalcopy. | Galena | Sphalerite | Arsenopy. | Cu PPM | Pb PPM | Zn PPM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S10-1 | 19765 | 50.53 | 53.53 | 3.00 | | | x | x | | | | | | 390.9 | 7.2 | 103 |
| S10-1 | 19766 | 53.53 | 56.53 | 3.00 | | | x | x | x | | | | | 78.5 | 8.9 | 124 |
| S10-1 | 19767 | 56.53 | 59.53 | 3.00 | | | x | x | x | | | | | 39.5 | 7.9 | 81 |
| S10-1 | 19768 | 59.53 | 62.53 | 3.00 | | | x | x | x | | | | | 76 | 13.2 | 86 |
| S10-1 | 19769 | 62.53 | 65.53 | 3.00 | | | x | x | | | | | | 288.6 | 5.1 | 107 |
| S10-1 | 19770 | 65.53 | 68.53 | 3.00 | | | x | x | | | | | | 342.4 | 6.7 | 111 |
| S10-1 | 19771 | 68.53 | 71.53 | 3.00 | | | x | x | | | | | | 177.9 | 3 | 111 |
| S10-1 | 19772 | 71.53 | 74.53 | 3.00 | | | x | x | x | | | | | 185.6 | 6.8 | 93 |
| S10-1 | 19773 | 74.53 | 77.53 | 3.00 | | | x | x | x | | | | | 118.8 | 5.5 | 66 |
| S10-1 | 19774 | 77.53 | 80.53 | 3.00 | | | x | x | x | | | | | 91.3 | 13.5 | 107 |
| S10-1 | 19775 | 80.53 | 83.53 | 3.00 | | | x | x | | | | | | 103.6 | 4.8 | 75 |
| S10-1 | 19776 | 83.53 | 86.53 | 3.00 | | | x | x | x | | | | | 292.3 | 4 | 79 |
| S10-1 | 19777 | 86.53 | 89.53 | 3.00 | | | x | x | | | | | | 126.2 | 3.1 | 84 |
| S10-1 | 19778 | 89.53 | 92.53 | 3.00 | | | x | x | | | | | | 218.5 | 4.7 | 84 |
| S10-1 | 19779 | 92.53 | 95.53 | 3.00 | | | x | x | | | | | | 20.6 | 3.1 | 90 |
| S10-1 | 19780 | 95.53 | 98.53 | 3.00 | | | x | x | | | | | | 67.5 | 14.4 | 128 |
| S10-1 | 19781 | 98.53 | 101.53 | 3.00 | | | x | x | | | | | | 107.9 | 28.2 | 88 |
| S10-1 | 19782 | 101.53 | 104.53 | 3.00 | | | x | x | x | | | | | 192.2 | 308.5 | 111 |
| S10-1 | 19783 | 104.53 | 107.53 | 3.00 | | | x | x | x | | | | | 294.4 | 50.5 | 207 |
| S10-1 | 19784 | 107.53 | 110.53 | 3.00 | | | x | x | x | | | | | 232.3 | 18.6 | 227 |
| S10-1 | 19785 | 110.53 | 113.53 | 3.00 | | | x | x | x | | | | | 257.1 | 9.3 | 148 |
| S10-1 | 19786 | 113.53 | 116.53 | 3.00 | | | x | x | x | | | | | 103.9 | 8.5 | 150 |
| S10-1 | 19787 | 116.53 | 119.53 | 3.00 | | | x | x | | | | | | 165.5 | 4.4 | 230 |
| S10-1 | 19788 | 119.53 | 122.53 | 3.00 | | | x | x | | | | | | 105.5 | 9.5 | 169 |
| S10-1 | 19789 | 122.53 | 125.53 | 3.00 | | | x | x | x | | | | | 79.9 | 8.1 | 136 |
| S10-1 | 19790 | 125.53 | 128.53 | 3.00 | | | x | x | x | | | | | 104.5 | 9.4 | 105 |
| S10-1 | 19791 | 128.53 | 131.53 | 3.00 | | | x | x | | | | | | 84.2 | 34.9 | 264 |
| S10-1 | 19792 | 131.53 | 134.53 | 3.00 | | | x | x | x | | | x | x | 189.8 | 354.8 | 2314 |
| S10-1 | 19793 | 134.53 | 137.53 | 3.00 | | | x | x | x | | | | | 109.9 | 17.2 | 78 |
| S10-1 | 19794 | 137.53 | 140.53 | 3.00 | | | x | x | x | | | | | 260.4 | 10.8 | 69 |
| S10-1 | 19795 | 140.53 | 143.53 | 3.00 | | | x | x | x | | | | | 279.3 | 6.7 | 57 |
| S10-1 | 19796 | 143.53 | 146.53 | 3.00 | | | x | x | x | | | | | 272.1 | 3.4 | 38 |
| S10-1 | 19797 | 146.53 | 149.53 | 3.00 | | | x | x | x | | | | | 96.2 | 2.6 | 40 |
| S10-1 | 19798 | 149.53 | 152.53 | 3.00 | | | x | x | x | | | | | 94 | 3 | 35 |
| S10-1 | 19799 | 152.53 | 155.53 | 3.00 | | | x | x | x | | | | | 205.1 | 5.8 | 53 |
| S10-1 | 19800 | 155.53 | 158.53 | 3.00 | | | x | x | x | | | | | 177.3 | 2.8 | 30 |
| S10-1 | 19801 | 158.53 | 161.53 | 3.00 | | | x | x | x | | | | | 314.8 | 7.8 | 40 |
| S10-1 | 19802 | 161.53 | 164.53 | 3.00 | | | x | x | x | | | | | 213.8 | 2.4 | 34 |
| S10-1 | 19803 | 164.53 | 167.53 | 3.00 | | | x | x | | | | | | 74.2 | 2.9 | 41 |
| S10-1 | 19804 | 167.53 | 170.53 | 3.00 | | | x | x | x | | | | | 163.2 | 2.5 | 36 |
| S10-1 | 19805 | 170.53 | 173.53 | 3.00 | | | x | x | x | | | | | 115.9 | 18.3 | 78 |
| S10-1 | 19806 | 173.53 | 176.53 | 3.00 | | | x | x | | | | | | 35.5 | 3.3 | 61 |
| S10-1 | 19807 | 176.53 | 179.53 | 3.00 | | | x | x | | | | | | 86.1 | 1.9 | 30 |
| S10-1 | 19808 | 179.53 | 182.53 | 3.00 | | | x | x | | | | | | 53.7 | 3.3 | 30 |
| S10-1 | 19809 | 182.53 | 185.53 | 3.00 | | | x | x | | | | | | 35.8 | 3 | 42 |
| S10-1 | 19810 | 185.53 | 188.53 | 3.00 | | | x | x | | | | | | 89 | 4.9 | 52 |
| S10-1 | 19811 | 188.53 | 191.53 | 3.00 | | | x | x | | | | | | 70.7 | 2.1 | 48 |
| S10-1 | 19812 | 191.53 | 194.53 | 3.00 | | | x | x | | | | | | 28.4 | 1.7 | 57 |
| S10-1 | 19813 | 194.53 | 197.53 | 3.00 | | | x | x | x | | | | | 71.2 | 2.8 | 46 |
| S10-1 | 19814 | 197.53 | 200.53 | 3.00 | | | x | x | | | | | | 103.7 | 3.1 | 41 |

| Hole | Sample No. | From | To | Length | Lithology | sericite | chlorite | edpidote | Pyrite | Chalcopy. | Galena | Sphalerite | Arsenopy. | Cu PPM | Pb PPM | Zn PPM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S10-1 | 19815 | 200.53 | 203.53 | 3.00 | | | x | x | x | | | | | 498.6 | 3.6 | 68 |
| S10-1 | 19816 | 203.53 | 206.53 | 3.00 | | | x | x | x | | | | | 61.4 | 4.2 | 35 |
| S10-1 | 19817 | 206.53 | 209.53 | 3.00 | | | x | x | | | | | | 139.3 | 5.1 | 75 |
| S10-1 | 19818 | 209.53 | 212.53 | 3.00 | | | x | x | x | | | | | 120.7 | 21.9 | 102 |
| S10-1 | 19819 | 212.53 | 215.53 | 3.00 | | | x | x | | | | | | 71 | 3.1 | 57 |
| S10-1 | 19820 | 215.53 | 218.53 | 3.00 | | | x | x | x | | | | | 174.1 | 5 | 90 |
| S10-1 | 19821 | 218.53 | 221.53 | 3.00 | | | x | x | | | | | | 126.6 | 3.2 | 79 |
| S10-1 | 19822 | 221.53 | 224.53 | 3.00 | | | x | x | | | | | | 120.6 | 1.8 | 44 |
| S10-1 | 19823 | 224.53 | 227.53 | 3.00 | | | x | x | | | | | | 128.2 | 3.6 | 49 |
| S10-1 | 19824 | 227.53 | 230.53 | 3.00 | | | x | x | | | | | | 222.5 | 2.5 | 46 |
| S10-1 | 19825 | 230.53 | 233.53 | 3.00 | | | x | x | | | | | | 77.8 | 1.3 | 68 |
| S10-1 | 19826 | 233.53 | 236.53 | 3.00 | | | x | x | x | | | | | 38.1 | 5.7 | 51 |
| S10-1 | 19827 | 236.53 | 239.53 | 3.00 | | | x | x | x | | | | | 81.4 | 3.7 | 45 |
| S10-1 | 19828 | 239.53 | 242.53 | 3.00 | | | x | x | x | | | | | 80.3 | 2.5 | 41 |
| S10-1 | 19829 | 242.53 | 245.53 | 3.00 | | | x | x | | | | | | 232.3 | 2.6 | 26 |
| S10-1 | 19830 | 245.53 | 248.53 | 3.00 | | | x | x | | | | | | 62.2 | 2.4 | 32 |
| S10-1 | 19831 | 248.53 | 251.53 | 3.00 | | | x | x | x | | | | | 389.9 | 18 | 93 |
| S10-1 | 19832 | 251.53 | 254.53 | 3.00 | | | x | x | | | | | | 341.4 | 4.7 | 44 |
| S10-1 | 19833 | 254.53 | 257.53 | 3.00 | | | x | x | | x | | | | 2538.4 | 3.4 | 100 |
| S10-1 | 19834 | 257.53 | 260.53 | 3.00 | | | x | x | | x | | | | 701.1 | 5.5 | 55 |
| S10-1 | 19835 | 260.53 | 263.53 | 3.00 | | | x | x | | x | | | | 510.3 | 3.9 | 26 |
| S10-1 | 19836 | 263.53 | 266.53 | 3.00 | | | x | x | | | | | | 105.8 | 2.8 | 25 |
| S10-1 | 19837 | 266.53 | 269.53 | 3.00 | | | x | x | x | | | | | 157.8 | 4.9 | 59 |
| S10-1 | 19838 | 269.53 | 272.53 | 3.00 | | | x | x | | x | | | | 516.9 | 4.4 | 61 |
| S10-1 | 19839 | 272.53 | 275.53 | 3.00 | | | x | x | | | | | | 462.2 | 9.6 | 77 |
| S10-1 | 19840 | 275.53 | 278.53 | 3.00 | | | x | x | | | | | | 25.3 | 1.9 | 57 |
| S10-1 | 19841 | 278.53 | 281.53 | 3.00 | | | x | x | | | | | | 31.7 | 2.6 | 49 |
| S10-1 | 19842 | 281.53 | 284.53 | 3.00 | | | x | x | | | | | | 131.3 | 2.5 | 48 |
| S10-1 | 19843 | 284.53 | 287.53 | 3.00 | | | x | x | | | | | | 200.6 | 3.8 | 30 |
| S10-1 | 19844 | 287.53 | 290.53 | 3.00 | | | x | x | | | | | | 34.3 | 5.9 | 49 |
| S10-1 | 19845 | 290.53 | 293.53 | 3.00 | | | x | x | | | | | | 37.6 | 2.6 | 59 |
| S10-1 | 19846 | 293.53 | 296.53 | 3.00 | | | x | x | | | | | | 31.1 | 2.9 | 48 |
| S10-1 | 19847 | 296.53 | 299.53 | 3.00 | | | x | x | | | | | | 20.1 | 3 | 50 |
| S10-1 | 19848 | 299.53 | 302.53 | 3.00 | | | x | x | | | | | | 177.6 | 11.2 | 120 |
| S10-1 | 19849 | 302.53 | 305.53 | 3.00 | | | x | x | | | | | | 128.5 | 7.2 | 55 |
| S10-1 | 19850 | 305.53 | 308.53 | 3.00 | | | x | x | | | | | | 187.3 | 5.1 | 73 |
| S10-1 | 19851 | 308.53 | 311.53 | 3.00 | | | x | x | | | | | | 39.8 | 2.6 | 67 |
| S10-1 | 19852 | 311.53 | 314.53 | 3.00 | | | x | x | | | | | | 42.9 | 2.5 | 59 |
| S10-1 | 19853 | 314.53 | 317.53 | 3.00 | | | x | x | | | | | | 246.9 | 3.8 | 68 |
| S10-1 | 19854 | 317.53 | 320.53 | 3.00 | | | x | x | | | | | | 322.3 | 4.5 | 56 |
| S10-1 | 19855 | 320.53 | 323.53 | 3.00 | | | x | x | | | | | | 26 | 2.8 | 50 |
| S10-1 | 19856 | 323.53 | 326.53 | 3.00 | | | x | x | | | | | | 22.5 | 2.4 | 28 |
| S10-1 | 19857 | 326.53 | 329.53 | 3.00 | | | x | x | | | | | | 30.5 | 2.5 | 39 |
| S10-1 | 19858 | 329.53 | 332.53 | 3.00 | | | x | x | x | x | | | | 572.8 | 1.7 | 44 |
| S10-1 | 19859 | 332.53 | 335.53 | 3.00 | | | x | x | | | | | | 102 | 2 | 47 |
| S10-1 | 19860 | 335.53 | 338.53 | 3.00 | | | x | x | x | | | | | 398.5 | 2.5 | 29 |
| S10-1 | 19861 | 338.53 | 341.53 | 3.00 | | | x | x | | | | | | 143.7 | 2.7 | 40 |
| S10-1 | 19862 | 341.53 | 344.53 | 3.00 | | | x | x | x | x | | | | 1575.1 | 2.7 | 45 |
| S10-1 | 19863 | 344.53 | 347.53 | 3.00 | | | x | x | x | | | | | 265.3 | 2.3 | 36 |
| S10-1 | 19864 | 347.53 | 350.53 | 3.00 | | | x | x | | | | | | 220.7 | 2.8 | 52 |

| Hole | Sample No. | From | To | Length | Lithology | sericite | chlorite | edpidote | Pyrite | Chalcopy. | Galena | Sphalerite | Arsenopy. | Cu PPM | Pb PPM | Zn PPM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S10-1 | 19865 | 350.53 | 353.53 | 3.00 | | | x | x | | x | | | | 2397.5 | 5.6 | 67 |
| S10-1 | 19866 | 353.53 | 356.53 | 3.00 | | | x | x | | | | | | 168.7 | 5.3 | 51 |
| S10-1 | 19867 | 356.53 | 359.53 | 3.00 | | | x | x | | | | | | 182.5 | 2 | 37 |
| S10-1 | 19868 | 359.53 | 362.53 | 3.00 | | | x | x | | x | | | | 2422.5 | 3.8 | 66 |
| S10-1 | 19869 | 362.53 | 365.53 | 3.00 | | | x | x | | | | | | 301.7 | 4.1 | 57 |
| S10-1 | 19870 | 365.53 | 368.53 | 3.00 | | | x | x | | | | | | 394.2 | 3.2 | 50 |
| S10-1 | 19871 | 368.53 | 371.53 | 3.00 | | | x | x | | | | | | 97 | 2 | 43 |
| S10-1 | 19872 | 371.53 | 374.53 | 3.00 | | | x | x | | | | | | 229.3 | 1.9 | 55 |
| S10-1 | 19873 | 374.53 | 377.53 | 3.00 | | | x | x | x | x | | | | 688.2 | 54.2 | 112 |
| S10-1 | 19874 | 377.53 | 380.53 | 3.00 | | | x | x | | | | | | 113.4 | 11.4 | 90 |
| S10-1 | 19875 | 380.53 | 383.53 | 3.00 | | | x | x | | | | | | 183.5 | 4.6 | 54 |
| S10-1 | 19876 | 383.53 | 386.53 | 3.00 | | | x | x | | | | | | 373.1 | 4.4 | 104 |
| S10-1 | 19877 | 386.53 | 389.53 | 3.00 | | | x | x | | x | | | | 568.3 | 4.4 | 73 |
| S10-1 | 19878 | 389.53 | 392.53 | 3.00 | | | x | x | | | | | | 301.4 | 2.5 | 47 |
| S10-1 | 19879 | 392.53 | 395.53 | 3.00 | | | x | x | | | | | | 187.5 | 3.5 | 64 |
| S10-1 | 19880 | 395.53 | 398.53 | 3.00 | | | x | x | | | | | | 122.1 | 7.6 | 74 |
| S10-1 | 19881 | 398.53 | 401.53 | 3.00 | | | x | x | | | | | | 40.4 | 3 | 54 |
| S10-1 | 19882 | 401.53 | 404.53 | 3.00 | | | x | x | | | | | | 335.5 | 7.8 | 54 |
| S10-1 | 19883 | 404.53 | 407.53 | 3.00 | | | x | x | | | | | | 415 | 3 | 46 |
| S10-1 | 19884 | 407.53 | 410.53 | 3.00 | | | x | x | | | | | | 227.3 | 6.9 | 75 |
| S10-1 | 19885 | 410.53 | 413.53 | 3.00 | | | x | x | | | | | | 295.9 | 6.2 | 89 |
| S10-1 | 19886 | 413.53 | 416.53 | 3.00 | | | x | x | | | | | | 159 | 3.6 | 118 |
| S10-1 | 19887 | 416.53 | 419.53 | 3.00 | | | x | x | | x | | | | 1204.1 | 5.1 | 78 |
| S10-1 | 19888 | 419.53 | 422.53 | 3.00 | | | x | x | | x | | | | 1197.9 | 9 | 113 |
| S10-1 | 19889 | 422.53 | 425.53 | 3.00 | | | x | x | | | | | | 165.7 | 6.5 | 86 |
| S10-1 | 19890 | 425.53 | 428.53 | 3.00 | | | x | x | | | | | | 481 | 11.2 | 90 |
| S10-1 | 19891 | 428.53 | 431.53 | 3.00 | | | x | x | | | | | | 288.7 | 7.1 | 59 |
| S10-1 | 19892 | 431.53 | 434.53 | 3.00 | | | x | x | | x | | | | 517.7 | 7 | 94 |
| S10-1 | 19893 | 434.53 | 437.53 | 3.00 | | | x | x | | | | | | 77.7 | 2.6 | 77 |
| S10-1 | 19894 | 437.53 | 440.53 | 3.00 | | | x | x | | | | | | 328.4 | 6.2 | 72 |
| S10-1 | 19895 | 440.53 | 441.46 | 0.93 | | | x | x | | | | | | 33.2 | 2.7 | 121 |
| S10-2 | 19896 | 8.53 | 11.53 | 3.00 | 8.53 - 278.82 lapilli tuff, locally brecciated, strong chlorite and epidote alteration | | x | x | x | | | | | 256.1 | 46.3 | 74 |
| S10-2 | 19897 | 11.53 | 14.53 | 3.00 | | | x | x | x | | | | | 247.3 | 5.7 | 47 |
| S10-2 | 19898 | 14.53 | 17.53 | 3.00 | | | x | x | x | | | | | 349.9 | 34.1 | 101 |
| S10-2 | 19899 | 17.53 | 20.53 | 3.00 | | | x | x | x | | | | | 347.2 | 229.6 | 399 |
| S10-2 | 19900 | 20.53 | 23.53 | 3.00 | | | x | x | x | | | | | 268.6 | 155.7 | 361 |
| S10-2 | 19901 | 23.53 | 26.53 | 3.00 | | | x | x | x | | | | | 185.9 | 121.2 | 319 |
| S10-2 | 19902 | 26.53 | 29.53 | 3.00 | | | x | x | x | | | | | 220.3 | 172.0 | 279 |
| S10-2 | 19903 | 29.53 | 32.53 | 3.00 | | | x | x | x | | | | | 87.3 | 126.6 | 311 |
| S10-2 | 19904 | 32.53 | 35.53 | 3.00 | | | x | x | x | | | | | 54.6 | 54.9 | 127 |
| S10-2 | 19905 | 35.53 | 38.53 | 3.00 | | | x | x | x | | | | | 153.5 | 77.1 | 175 |
| S10-2 | 19906 | 38.53 | 41.53 | 3.00 | | | x | x | x | | | | | 220.4 | 7.9 | 49 |
| S10-2 | 19907 | 41.53 | 44.53 | 3.00 | | | x | x | x | | | | | 215.9 | 10.8 | 58 |
| S10-2 | 19908 | 44.53 | 47.53 | 3.00 | | | x | x | x | | | | | 394.5 | 13.6 | 72 |
| S10-2 | 19909 | 47.53 | 50.53 | 3.00 | | | x | x | x | | | | | 76.6 | 5.4 | 42 |
| S10-2 | 19910 | 50.53 | 53.53 | 3.00 | | | x | x | | | | | | 17.5 | 2.1 | 34 |
| S10-2 | 19911 | 53.53 | 56.53 | 3.00 | | | x | x | | | | | | 39.2 | 7.1 | 55 |
| S10-2 | 19912 | 56.53 | 59.53 | 3.00 | | | x | x | | | | | | 225.4 | 1.8 | 50 |
| S10-2 | 19913 | 59.53 | 62.53 | 3.00 | | | x | x | | | | | | 373.2 | 2.4 | 43 |
| S10-2 | 19914 | 62.53 | 65.53 | 3.00 | | | x | x | | | | | | 108.1 | 2.2 | 45 |

| Hole | Sample No. | From | To | Length | Lithology | sericite | chlorite | edpidote | Pyrite | Chalcopy. | Galena | Sphalerite | Arsenopy. | Cu PPM | Pb PPM | Zn PPM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S10-2 | 19915 | 65.53 | 68.53 | 3.00 | | | x | x | | | | | | 53.5 | 9.1 | 72 |
| S10-2 | 19916 | 68.53 | 71.53 | 3.00 | | | x | x | | | | | | 35.0 | 5.1 | 68 |
| S10-2 | 19917 | 71.53 | 74.53 | 3.00 | | | x | x | | | | | | 22.4 | 2.8 | 57 |
| S10-2 | 19918 | 74.53 | 77.53 | 3.00 | | | x | x | | | | | | 119.4 | 2.8 | 63 |
| S10-2 | 19919 | 77.53 | 80.53 | 3.00 | | | x | x | | | | | | 142.5 | 2.4 | 56 |
| S10-2 | 19920 | 80.53 | 83.53 | 3.00 | | | x | x | | | | | | 72.6 | 2.8 | 35 |
| S10-2 | 19921 | 83.53 | 86.53 | 3.00 | | | x | x | | | | | | 140.3 | 3.2 | 38 |
| S10-2 | 19922 | 86.53 | 89.53 | 3.00 | | | x | x | x | | | | | 175.4 | 10.2 | 68 |
| S10-2 | 19923 | 89.53 | 92.53 | 3.00 | | | x | x | x | | | | | 237.6 | 59.8 | 193 |
| S10-2 | 19924 | 92.53 | 95.53 | 3.00 | | | x | x | x | | | | | 138.3 | 14.5 | 95 |
| S10-2 | 19925 | 95.53 | 98.53 | 3.00 | | | x | x | x | | | | | 225.7 | 12.6 | 66 |
| S10-2 | 19926 | 98.53 | 101.53 | 3.00 | | | x | x | x | | | | | 300.1 | 3.3 | 48 |
| S10-2 | 19927 | 101.53 | 104.53 | 3.00 | | | x | x | x | | | | | 257.1 | 21.4 | 72 |
| S10-2 | 19928 | 104.53 | 107.53 | 3.00 | | | x | x | x | | | | | 306.4 | 7.4 | 62 |
| S10-2 | 19929 | 107.53 | 110.53 | 3.00 | | | x | x | x | x | | | | 1493.0 | 6.8 | 61 |
| S10-2 | 19930 | 110.53 | 113.53 | 3.00 | | | x | x | | | | | | 125.9 | 11.2 | 95 |
| S10-2 | 19931 | 113.53 | 116.53 | 3.00 | | | x | x | x | | | | | 401.9 | 7.9 | 54 |
| S10-2 | 19932 | 116.53 | 119.53 | 3.00 | | | x | x | x | | | | | 273.7 | 11.0 | 69 |
| S10-2 | 19933 | 119.53 | 122.53 | 3.00 | | | x | x | x | | | | | 197.6 | 10.4 | 46 |
| S10-2 | 19934 | 122.53 | 125.53 | 3.00 | | | x | x | x | | | | | 132.4 | 200.3 | 160 |
| S10-2 | 19935 | 125.53 | 128.53 | 3.00 | | | x | x | x | | | | | 111.9 | 29.8 | 91 |
| S10-2 | 19936 | 128.53 | 131.53 | 3.00 | | | x | x | x | | | | | 365.7 | 15.2 | 67 |
| S10-2 | 19937 | 131.53 | 134.53 | 3.00 | | | x | x | x | | | | | 281.9 | 23.5 | 72 |
| S10-2 | 19938 | 134.53 | 137.53 | 3.00 | | | x | x | | | | | | 99.3 | 46.2 | 367 |
| S10-2 | 19939 | 137.53 | 140.53 | 3.00 | | | x | x | x | | | | | 223.2 | 5.3 | 63 |
| S10-2 | 19940 | 140.53 | 143.53 | 3.00 | | | x | x | | | | | | 112.3 | 4.1 | 50 |
| S10-2 | 19941 | 143.53 | 146.53 | 3.00 | | | x | x | | | | | | 62.7 | 5.2 | 52 |
| S10-2 | 19942 | 146.53 | 149.53 | 3.00 | | | x | x | x | | | | | 174.7 | 7.6 | 60 |
| S10-2 | 19943 | 149.53 | 152.53 | 3.00 | | | x | x | | | | | | 134.6 | 6.5 | 80 |
| S10-2 | 19944 | 152.53 | 155.53 | 3.00 | | | x | x | | | | | | 59.9 | 3.7 | 93 |
| S10-2 | 19945 | 155.53 | 158.53 | 3.00 | | | x | x | | | | | | 148.7 | 1.9 | 103 |
| S10-2 | 19946 | 158.53 | 161.53 | 3.00 | | | x | x | | | | | | 130.0 | 3.1 | 97 |
| S10-2 | 19947 | 161.53 | 164.53 | 3.00 | | | x | x | | | | | | 234.0 | 2.6 | 46 |
| S10-2 | 19948 | 164.53 | 167.53 | 3.00 | | | x | x | | | | | | 120.8 | 3.3 | 51 |
| S10-2 | 19949 | 167.53 | 170.53 | 3.00 | | | x | x | | | | | | 169.0 | 4.5 | 42 |
| S10-2 | 19950 | 170.53 | 173.53 | 3.00 | | | x | x | x | | | | | 145.6 | 4.7 | 47 |
| S10-2 | 19951 | 173.53 | 176.53 | 3.00 | | | x | x | x | | | | | 119.1 | 15.9 | 91 |
| S10-2 | 19952 | 176.53 | 179.53 | 3.00 | | | x | x | | | | | | 122.1 | 6.3 | 72 |
| S10-2 | 19953 | 179.53 | 182.53 | 3.00 | | | x | x | | | | | | 119.6 | 3.1 | 50 |
| S10-2 | 19954 | 182.53 | 185.53 | 3.00 | | | x | x | x | | | | | 69.6 | 2.1 | 60 |
| S10-2 | 19955 | 185.53 | 188.53 | 3.00 | | | x | x | x | | | | | 149.7 | 5.1 | 71 |
| S10-2 | 19956 | 188.53 | 191.53 | 3.00 | | | x | x | x | | | | | 181.2 | 3.9 | 84 |
| S10-2 | 19957 | 191.53 | 194.53 | 3.00 | | | x | x | | | | | | 44.0 | 2.3 | 55 |
| S10-2 | 19958 | 194.53 | 197.53 | 3.00 | | | x | x | | | | | | 47.1 | 2.9 | 54 |
| S10-2 | 19959 | 197.53 | 200.53 | 3.00 | | | x | x | | | | | | 79.1 | 2.8 | 57 |
| S10-2 | 19960 | 200.53 | 203.53 | 3.00 | | | x | x | | | | | | 147.2 | 1.8 | 62 |
| S10-2 | 19961 | 203.53 | 206.53 | 3.00 | | | x | x | | | | | | 152.8 | 4.3 | 87 |
| S10-2 | 19962 | 206.53 | 209.53 | 3.00 | | | x | x | x | | | | | 80.8 | 9.5 | 77 |
| S10-2 | 19963 | 209.53 | 212.53 | 3.00 | | | x | x | x | | | | | 251.2 | 3.0 | 65 |
| S10-2 | 19964 | 212.53 | 215.53 | 3.00 | | | x | x | | | | | | 90.8 | 4.9 | 56 |

| Hole | Sample No. | From | To | Length | Lithology | sericite | chlorite | edpidote | Pyrite | Chalcopy. | Galena | Sphalerite | Arsenopy. | Cu PPM | Pb PPM | Zn PPM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S10-2 | 19965 | 215.53 | 218.53 | 3.00 | | | x | x | | | | | | 42.6 | 1.6 | 45 |
| S10-2 | 19966 | 218.53 | 221.53 | 3.00 | | | x | x | | | | | | 44.4 | 1.3 | 42 |
| S10-2 | 19967 | 221.53 | 224.53 | 3.00 | | | x | x | x | x | | | | 527.4 | 4.5 | 52 |
| S10-2 | 19968 | 224.53 | 227.53 | 3.00 | | | x | x | x | | | | | 182.3 | 7.4 | 58 |
| S10-2 | 19969 | 227.53 | 230.53 | 3.00 | | | x | x | | | | | | 179.5 | 12.6 | 93 |
| S10-2 | 19970 | 230.53 | 233.53 | 3.00 | | | x | x | | | | | | 80.2 | 3.5 | 68 |
| S10-2 | 19971 | 233.53 | 236.53 | 3.00 | | | x | x | | | | | | 94.4 | 2.5 | 63 |
| S10-2 | 19972 | 236.53 | 239.53 | 3.00 | | | x | x | | | | | | 152.0 | 3.2 | 63 |
| S10-2 | 19973 | 239.53 | 242.53 | 3.00 | | | x | x | x | x | | | | 534.4 | 5.2 | 64 |
| S10-2 | 19974 | 242.53 | 245.53 | 3.00 | | | x | x | | | | | | 36.2 | 2.8 | 65 |
| S10-2 | 19975 | 245.53 | 248.53 | 3.00 | | | x | x | | | | | | 63.4 | 8.0 | 74 |
| S10-2 | 19976 | 248.53 | 251.53 | 3.00 | | | x | x | | | | | | 82.1 | 2.5 | 69 |
| S10-2 | 19977 | 251.53 | 254.53 | 3.00 | | | x | x | | | | | | 20.4 | 2.8 | 37 |
| S10-2 | 19978 | 254.53 | 257.53 | 3.00 | | | x | x | | | | | | 32.5 | 2.2 | 29 |
| S10-2 | 19979 | 257.53 | 260.53 | 3.00 | | | x | x | | | | | | 54.1 | 2.2 | 42 |
| S10-2 | 19980 | 260.53 | 263.53 | 3.00 | | | x | x | x | | | | | 343.3 | 3.1 | 36 |
| S10-2 | 19981 | 263.53 | 266.53 | 3.00 | | | x | x | | | | | | 25.0 | 1.5 | 28 |
| S10-2 | 19982 | 266.53 | 269.53 | 3.00 | | | x | x | | | | | | 118.0 | 1.9 | 33 |
| S10-2 | 19983 | 269.53 | 272.53 | 3.00 | | | x | x | x | | | | | 180.4 | 2.8 | 30 |
| S10-2 | 19984 | 272.53 | 275.53 | 3.00 | | | x | x | | | | | | 92.7 | 5.0 | 30 |
| S10-2 | 19985 | 275.53 | 278.82 | 3.29 | | | x | x | x | | | | | 94.7 | 4.2 | 21 |

## APPENDIX D – ANALYTICAL CERTIFICATES

**AcmeLabs** Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

**Client:** **Nanika Resources Inc**
670-789 West Pender St
Vancouver BC V6C 1H2 Canada

| | |
|---|---|
| Submitted By: | Jim Jacuta |
| Receiving Lab: | Canada-Smithers |
| Received: | January 06, 2010 |
| Report Date: | January 12, 2010 |
| Page: | 1 of 2 |

# CERTIFICATE OF ANALYSIS SMI10000001.1

## CLIENT JOB INFORMATION

| | |
|---|---|
| Project: | Ted Property |
| Shipment ID: | TED-001 |
| P.O. Number | |
| Number of Samples: | 7 |

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|---|---|---|---|---|---|
| R200-250 | 7 | Crush split and pulverize 250g drill core to 200 mesh | | | SMI |
| 1DX3 | 7 | 1:1:1 Aqua Regia digestion ICP-MS analysis | 30 | Completed | VAN |

## SAMPLE DISPOSAL

| | |
|---|---|
| STOR-PLP | Store After 90 days Invoice for Storage |
| STOR-RJT | Store After 90 days Invoice for Storage |

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

## ADDITIONAL COMMENTS

Invoice To: Nanika Resources Inc
670-789 West Pender St
Vancouver BC V6C 1H2
Canada

CC: Don MacIntyre


This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **Nanika Resources Inc**
670-789 West Pender St
Vancouver BC V6C 1H2 Canada

Project: Ted Property
Report Date: January 12, 2010



# CERTIFICATE OF ANALYSIS SMI10000001.1

| | Method | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| 19744 | Drill Core | 7.80 | 4.5 | 40.7 | 40.8 | 148 | 1.5 | 41.9 | 11.6 | 461 | 2.94 | 1527 | 0.1 | 0.9 | 0.5 | 85 | 1.0 | 11.8 | 0.2 | 10 | 2.80 |
| 19745 | Drill Core | 5.13 | 103.7 | 58.9 | 60.8 | 188 | 2.3 | 163.3 | 33.5 | 2000 | 6.29 | 4641 | 0.3 | 3.8 | 0.9 | 154 | 1.8 | 17.0 | <0.1 | 63 | 9.32 |
| 19746 | Drill Core | 1.41 | 0.4 | 3.0 | 4.1 | 48 | <0.1 | 3.6 | 4.3 | 561 | 2.00 | 12.5 | 2.5 | <0.5 | 6.5 | 57 | <0.1 | 0.1 | <0.1 | 37 | 0.54 |
| 19747 | Drill Core | 8.40 | 20.2 | 59.6 | 8.2 | 60 | 0.1 | 154.8 | 35.7 | 1056 | 6.33 | 37.0 | 0.2 | 1.3 | 0.8 | 79 | <0.1 | 3.3 | <0.1 | 129 | 3.85 |
| 19748 | Drill Core | 8.60 | 4.7 | 70.2 | 5.5 | 70 | <0.1 | 133.7 | 27.4 | 1066 | 5.14 | 7.4 | 0.4 | 1.1 | 1.2 | 69 | <0.1 | 0.4 | <0.1 | 134 | 3.46 |
| 19749 | Drill Core | 8.07 | 4.0 | 268.1 | 5.3 | 66 | 0.1 | 132.9 | 27.6 | 1070 | 5.02 | 26.0 | 0.3 | 0.9 | 1.0 | 84 | 0.2 | 1.1 | <0.1 | 123 | 3.12 |
| 19750 | Drill Core | 7.99 | 3.2 | 81.0 | 5.1 | 57 | <0.1 | 125.6 | 23.8 | 898 | 4.46 | 2.6 | 0.3 | 0.8 | 1.3 | 49 | <0.1 | 0.1 | <0.1 | 98 | 1.82 |

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Project: Ted Property
Report Date: January 12, 2010



# CERTIFICATE OF ANALYSIS SMI10000001.1

| | Method | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | Unit | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | MDL | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 |
| 19744 | Drill Core | 0.060 | 5 | 8 | 0.58 | 33 | <0.001 | 1 | 1.04 | 0.015 | 0.18 | <0.1 | <0.01 | 1.4 | 0.1 | 1.58 | 2 | 1.7 |
| 19745 | Drill Core | 0.075 | 8 | 82 | 1.16 | 34 | 0.001 | 1 | 1.61 | 0.027 | 0.16 | <0.1 | <0.01 | 5.8 | 0.3 | 3.97 | 4 | <0.5 |
| 19746 | Drill Core | 0.084 | 12 | 9 | 0.56 | 182 | 0.137 | 1 | 0.87 | 0.063 | 0.49 | <0.1 | <0.01 | 1.8 | 0.3 | <0.05 | 5 | <0.5 |
| 19747 | Drill Core | 0.060 | 6 | 159 | 2.75 | 54 | 0.004 | <1 | 2.83 | 0.067 | 0.08 | <0.1 | <0.01 | 7.1 | 0.2 | 3.05 | 9 | <0.5 |
| 19748 | Drill Core | 0.098 | 8 | 166 | 3.60 | 47 | 0.186 | 1 | 2.95 | 0.068 | 0.04 | <0.1 | <0.01 | 9.4 | <0.1 | 1.59 | 10 | <0.5 |
| 19749 | Drill Core | 0.085 | 6 | 168 | 3.48 | 55 | 0.155 | <1 | 2.99 | 0.064 | 0.03 | <0.1 | <0.01 | 8.5 | <0.1 | 1.31 | 9 | <0.5 |
| 19750 | Drill Core | 0.087 | 7 | 159 | 2.86 | 40 | 0.223 | 1 | 2.51 | 0.072 | 0.04 | <0.1 | <0.01 | 5.8 | <0.1 | 1.14 | 8 | <0.5 |

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Vancouver BC V6C 1H2 Canada

Project: Ted Property
Report Date: January 12, 2010



# QUALITY CONTROL REPORT SMI10000001.1

| | Method | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| REP 19746 | QC | | 0.4 | 2.9 | 3.8 | 47 | <0.1 | 3.0 | 4.3 | 576 | 2.01 | 9.8 | 2.2 | <0.5 | 6.1 | 55 | <0.1 | 0.1 | <0.1 | 38 | 0.55 |
| Core Reject Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 19746 | Drill Core | 1.41 | 0.4 | 3.0 | 4.1 | 48 | <0.1 | 3.6 | 4.3 | 561 | 2.00 | 12.5 | 2.5 | <0.5 | 6.5 | 57 | <0.1 | 0.1 | <0.1 | 37 | 0.54 |
| DUP 19746 | QC | | 0.3 | 2.8 | 3.5 | 46 | <0.1 | 3.3 | 4.3 | 563 | 1.89 | 12.0 | 4.2 | <0.5 | 6.6 | 55 | <0.1 | 0.1 | <0.1 | 37 | 0.56 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS7 | Standard | | 21.1 | 109.7 | 69.2 | 408 | 0.9 | 56.5 | 8.5 | 595 | 2.36 | 55.3 | 4.8 | 66.9 | 4.2 | 74 | 7.1 | 6.5 | 4.8 | 82 | 0.96 |
| STD DS7 | Standard | | 22.4 | 111.3 | 70.9 | 406 | 0.9 | 55.2 | 8.6 | 600 | 2.42 | 57.0 | 5.0 | 60.3 | 4.6 | 77 | 7.0 | 6.6 | 5.0 | 83 | 0.97 |
| STD DS7 Expected | | | 20.5 | 109 | 70.6 | 411 | 0.9 | 56 | 9.7 | 627 | 2.39 | 48.2 | 4.9 | 70 | 4.4 | 69 | 6.4 | 4.6 | 4.5 | 84 | 0.93 |
| BLK | Blank | | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| Prep Wash | | | | | | | | | | | | | | | | | | | | | |
| G1 | Prep Blank | | 0.2 | 3.4 | 3.2 | 44 | <0.1 | 2.8 | 3.9 | 549 | 1.86 | <0.5 | 1.8 | 1.9 | 4.8 | 48 | <0.1 | <0.1 | 0.1 | 34 | 0.42 |
| G1 | Prep Blank | | 0.5 | 2.7 | 3.0 | 47 | <0.1 | 2.8 | 4.1 | 578 | 1.89 | <0.5 | 1.7 | 1.0 | 4.8 | 50 | <0.1 | <0.1 | <0.1 | 37 | 0.45 |

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Project: Ted Property
Report Date: January 12, 2010

Page: 1 of 1 Part 2

# QUALITY CONTROL REPORT SMI10000001.1

| | Method | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | Unit | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | MDL | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 |
| REP 19746 | QC | 0.086 | 12 | 10 | 0.57 | 174 | 0.137 | <1 | 0.90 | 0.064 | 0.49 | <0.1 | <0.01 | 1.8 | 0.3 | <0.05 | 5 | <0.5 |
| Core Reject Duplicates | | | | | | | | | | | | | | | | | | |
| 19746 | Drill Core | 0.084 | 12 | 9 | 0.56 | 182 | 0.137 | 1 | 0.87 | 0.063 | 0.49 | <0.1 | <0.01 | 1.8 | 0.3 | <0.05 | 5 | <0.5 |
| DUP 19746 | QC | 0.082 | 14 | 9 | 0.55 | 175 | 0.139 | 2 | 0.89 | 0.070 | 0.49 | <0.1 | <0.01 | 2.0 | 0.3 | <0.05 | 4 | <0.5 |
| Reference Materials | | | | | | | | | | | | | | | | | | |
| STD DS7 | Standard | 0.082 | 13 | 182 | 1.01 | 397 | 0.120 | 36 | 0.95 | 0.090 | 0.41 | 3.9 | 0.19 | 2.3 | 4.1 | 0.21 | 5 | 3.9 |
| STD DS7 | Standard | 0.081 | 13 | 185 | 1.02 | 410 | 0.128 | 41 | 0.98 | 0.091 | 0.42 | 3.9 | 0.21 | 2.4 | 4.2 | 0.21 | 4 | 4.0 |
| STD DS7 Expected | | 0.08 | 12 | 179 | 1.05 | 370 | 0.124 | 39 | 0.959 | 0.089 | 0.44 | 3.4 | 0.2 | 2.5 | 4.2 | 0.19 | 5 | 3.5 |
| BLK | Blank | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 |
| Prep Wash | | | | | | | | | | | | | | | | | | |
| G1 | Prep Blank | 0.075 | 9 | 9 | 0.51 | 165 | 0.126 | 1 | 0.84 | 0.059 | 0.45 | <0.1 | <0.01 | 1.6 | 0.3 | <0.05 | 4 | <0.5 |
| G1 | Prep Blank | 0.084 | 11 | 8 | 0.53 | 176 | 0.132 | 1 | 0.85 | 0.065 | 0.49 | 0.1 | <0.01 | 1.9 | 0.3 | <0.05 | 5 | <0.5 |

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**Client:** **Nanika Resources Inc**
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| | |
|---|---|
| Submitted By: | Jim Jacuta |
| Receiving Lab: | Canada-Smithers |
| Received: | January 11, 2010 |
| Report Date: | January 22, 2010 |
| Page: | 1 of 8 |

# CERTIFICATE OF ANALYSIS SMI10000010.1

## CLIENT JOB INFORMATION

| | |
|---|---|
| Project: | Ted Property |
| Shipment ID: | |
| P.O. Number | |
| Number of Samples: | 189 |

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|---|---|---|---|---|---|
| R200-250 | 184 | Crush split and pulverize 250g drill core to 200 mesh | | | SMI |
| 1DX3 | 189 | 1:1:1 Aqua Regia digestion ICP-MS analysis | 30 | Completed | VAN |

## SAMPLE DISPOSAL

| | |
|---|---|
| RTRN-PLP | Return |
| STOR-RJT | Store After 90 days Invoice for Storage |

## ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Nanika Resources Inc
670-789 West Pender St
Vancouver BC V6C 1H2
Canada

CC: Don MacIntyre

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Project: Ted Property
Report Date: January 22, 2010



# CERTIFICATE OF ANALYSIS SMI10000010.1

| | Method | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| 19551 | Drill Core | 1.77 | 0.2 | 25.5 | 2.5 | 95 | <0.1 | 4.2 | 8.9 | 1262 | 3.41 | 1.1 | 0.1 | 2.4 | 0.4 | 15 | 0.1 | 0.2 | <0.1 | 21 | 1.75 |
| 19552 | Drill Core | 7.59 | 0.4 | 18.2 | 4.8 | 100 | <0.1 | 3.5 | 8.2 | 1284 | 3.44 | 4.8 | <0.1 | 3.7 | 0.3 | 14 | 0.1 | 0.2 | <0.1 | 17 | 2.00 |
| 19553 | Drill Core | 7.32 | 0.4 | 23.3 | 5.4 | 92 | 0.1 | 3.3 | 8.7 | 1375 | 3.36 | 3.8 | 0.1 | 2.6 | 0.2 | 16 | <0.1 | 0.2 | <0.1 | 19 | 2.55 |
| 19554 | Drill Core | 9.44 | 0.4 | 17.3 | 7.7 | 90 | 0.1 | 2.9 | 7.9 | 1248 | 3.21 | 3.0 | 0.1 | 1.6 | 0.3 | 16 | <0.1 | 0.2 | <0.1 | 17 | 2.22 |
| 19555 | Drill Core | 8.76 | 0.2 | 15.8 | 3.3 | 97 | <0.1 | 2.7 | 8.3 | 1353 | 3.37 | 2.2 | 0.1 | 1.9 | 0.4 | 18 | 0.1 | 0.2 | <0.1 | 18 | 2.56 |
| 19556 | Drill Core | 7.41 | 0.4 | 37.0 | 10.5 | 105 | 0.2 | 3.1 | 9.1 | 1399 | 3.48 | 6.2 | 0.1 | 2.0 | 0.3 | 19 | 0.3 | 0.4 | 0.2 | 21 | 2.24 |
| 19557 | Drill Core | 8.68 | 0.3 | 27.0 | 3.7 | 108 | 0.1 | 2.5 | 10.6 | 1563 | 4.14 | 6.4 | 0.2 | 2.6 | 0.3 | 19 | 0.2 | 0.3 | 0.1 | 27 | 1.92 |
| 19558 | Drill Core | 6.72 | 0.2 | 34.0 | 4.5 | 122 | 0.2 | 2.6 | 8.1 | 1351 | 3.22 | 16.7 | 0.2 | 2.5 | 0.3 | 20 | 0.5 | 0.7 | 0.5 | 19 | 2.11 |
| 19559 | Drill Core | 7.78 | 0.4 | 22.0 | 3.9 | 101 | 0.1 | 4.4 | 9.7 | 1254 | 3.35 | 1.7 | 0.2 | <0.5 | 0.4 | 31 | <0.1 | 0.4 | 0.1 | 25 | 2.16 |
| 19560 | Drill Core | 8.07 | 1.4 | 1.6 | 4.9 | 84 | <0.1 | 12.0 | 9.9 | 880 | 2.57 | 9.5 | 1.6 | 1.1 | 2.0 | 80 | 0.2 | 0.4 | <0.1 | 39 | 3.13 |
| 19561 | Drill Core | 6.71 | 0.2 | 1.7 | 5.2 | 63 | <0.1 | 9.9 | 7.8 | 773 | 2.14 | 2.1 | 2.3 | <0.5 | 2.2 | 114 | 0.2 | 0.2 | <0.1 | 34 | 3.21 |
| 19562 | Drill Core | 8.50 | 0.7 | 1.0 | 10.2 | 58 | <0.1 | 9.1 | 7.8 | 815 | 2.03 | 4.3 | 2.3 | 2.1 | 2.2 | 98 | 0.3 | 0.3 | <0.1 | 30 | 3.28 |
| 19563 | Drill Core | 8.77 | 0.4 | 1.3 | 9.8 | 63 | <0.1 | 9.4 | 7.3 | 1022 | 2.02 | 15.2 | 2.3 | 2.6 | 2.4 | 93 | 0.3 | 0.4 | <0.1 | 31 | 3.98 |
| 19564 | Drill Core | 9.32 | 1.3 | 6.4 | 4.5 | 85 | <0.1 | 9.7 | 8.6 | 935 | 2.27 | 1.3 | 2.1 | 2.4 | 2.1 | 107 | 0.2 | 0.2 | <0.1 | 36 | 3.28 |
| 19565 | Drill Core | 7.67 | 0.6 | 8.9 | 7.1 | 112 | <0.1 | 9.4 | 10.1 | 1556 | 2.59 | 2.9 | 1.1 | 2.4 | 1.6 | 100 | 0.1 | 0.4 | 0.2 | 48 | 3.98 |
| 19566 | Drill Core | 7.46 | <0.1 | 1.2 | 4.2 | 93 | <0.1 | 6.5 | 7.6 | 1391 | 2.13 | 3.5 | 1.4 | <0.5 | 1.9 | 93 | 0.1 | 0.7 | <0.1 | 35 | 3.70 |
| 19567 | Drill Core | 5.42 | 0.3 | 1.9 | 4.8 | 95 | <0.1 | 7.3 | 8.2 | 1369 | 2.43 | 2.7 | 1.3 | <0.5 | 1.9 | 84 | <0.1 | 0.9 | 0.1 | 39 | 3.68 |
| 19568 | Drill Core | 7.50 | 0.2 | 1.8 | 3.6 | 83 | <0.1 | 7.3 | 7.2 | 1240 | 2.25 | 2.8 | 1.4 | <0.5 | 1.9 | 88 | <0.1 | 1.0 | <0.1 | 35 | 3.78 |
| 19569 | Drill Core | 7.72 | 1.4 | 43.2 | 12.3 | 119 | 0.1 | 11.0 | 9.9 | 1299 | 2.63 | 2.4 | 1.5 | <0.5 | 2.0 | 63 | 0.1 | 0.4 | 0.3 | 44 | 2.97 |
| 19570 | Rock Pulp | 0.15 | 18.2 | 7360 | 4915 | >10000 | 75.3 | 22.5 | 112.9 | 1467 | 36.32 | 1871 | 2.1 | 58.8 | <0.1 | 29 | 99.4 | 282.5 | 53.9 | 12 | 1.44 |
| 19571 | Drill Core | 8.11 | 1.7 | 12.9 | 6.4 | 73 | 0.1 | 10.0 | 9.0 | 805 | 2.30 | 1.4 | 2.4 | 0.5 | 2.1 | 76 | 0.1 | 0.6 | 0.2 | 35 | 3.00 |
| 19572 | Drill Core | 7.68 | 0.7 | 2.7 | 6.3 | 63 | <0.1 | 10.0 | 9.0 | 835 | 2.24 | 3.5 | 2.3 | <0.5 | 2.2 | 78 | 0.1 | 0.3 | 0.2 | 36 | 3.28 |
| 19573 | Drill Core | 8.26 | 3.4 | 313.4 | 18.0 | 93 | 0.8 | 7.9 | 14.9 | 1079 | 3.71 | 79.2 | 0.5 | 8.8 | 0.6 | 58 | 0.7 | 0.8 | 0.3 | 39 | 2.94 |
| 19574 | Drill Core | 8.38 | 0.4 | 6.5 | 6.7 | 72 | <0.1 | 7.8 | 8.5 | 1005 | 2.35 | 3.6 | 1.6 | 1.7 | 1.7 | 92 | <0.1 | 0.4 | 0.1 | 28 | 4.01 |
| 19575 | Drill Core | 3.42 | 1.3 | 5.2 | 5.9 | 100 | <0.1 | 9.6 | 8.1 | 1266 | 2.37 | 15.3 | 0.9 | <0.5 | 1.2 | 76 | <0.1 | 0.6 | 0.4 | 40 | 3.25 |
| 19576 | Drill Core | 6.01 | 2.7 | 46.9 | 26.1 | 209 | 0.2 | 4.3 | 8.7 | 1937 | 2.69 | 13.0 | 0.3 | <0.5 | 0.3 | 95 | 1.0 | 0.7 | 0.3 | 23 | 4.34 |
| 19577 | Drill Core | 6.14 | 1.8 | 59.6 | 41.8 | 275 | 0.3 | 4.7 | 8.4 | 1392 | 2.72 | 48.8 | 0.4 | 3.3 | 0.6 | 75 | 1.2 | 2.0 | 0.3 | 23 | 2.94 |
| 19578 | Drill Core | 7.45 | 0.4 | 44.7 | 3.1 | 117 | 0.1 | 8.6 | 8.7 | 1623 | 2.51 | 110.9 | 0.8 | 2.9 | 1.5 | 64 | <0.1 | 1.8 | 0.3 | 34 | 3.64 |
| 19579 | Drill Core | 8.27 | 3.9 | 46.8 | 4.7 | 119 | 0.1 | 9.5 | 9.7 | 1651 | 2.53 | 24.2 | 1.1 | <0.5 | 1.5 | 79 | <0.1 | 0.7 | 0.2 | 38 | 3.41 |
| 19580 | Drill Core | 7.94 | 1.2 | 17.6 | 10.6 | 109 | <0.1 | 11.2 | 14.0 | 1219 | 3.42 | 29.9 | 1.0 | 2.0 | 1.1 | 87 | 0.2 | 0.5 | <0.1 | 52 | 3.72 |

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Project: Ted Property
Report Date: January 22, 2010



## CERTIFICATE OF ANALYSIS SMI10000010.1

| | Method | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | Unit | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | MDL | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 |
| 19551 | Drill Core | 0.053 | 6 | 6 | 0.75 | 60 | 0.010 | <1 | 1.77 | 0.026 | 0.12 | 0.1 | <0.01 | 4.6 | <0.1 | <0.05 | 6 | <0.5 |
| 19552 | Drill Core | 0.057 | 6 | 6 | 0.74 | 72 | 0.007 | <1 | 1.78 | 0.023 | 0.13 | 0.1 | <0.01 | 5.3 | <0.1 | <0.05 | 6 | <0.5 |
| 19553 | Drill Core | 0.053 | 6 | 4 | 0.76 | 54 | 0.004 | <1 | 1.83 | 0.029 | 0.13 | 0.1 | <0.01 | 4.9 | 0.1 | <0.05 | 6 | <0.5 |
| 19554 | Drill Core | 0.056 | 6 | 4 | 0.70 | 54 | 0.003 | <1 | 1.70 | 0.023 | 0.13 | <0.1 | <0.01 | 4.7 | <0.1 | <0.05 | 5 | <0.5 |
| 19555 | Drill Core | 0.062 | 8 | 4 | 0.73 | 62 | 0.004 | <1 | 1.85 | 0.029 | 0.15 | <0.1 | <0.01 | 6.9 | <0.1 | <0.05 | 6 | <0.5 |
| 19556 | Drill Core | 0.049 | 6 | 5 | 0.75 | 42 | 0.005 | <1 | 1.81 | 0.029 | 0.14 | <0.1 | <0.01 | 6.0 | <0.1 | 0.12 | 6 | <0.5 |
| 19557 | Drill Core | 0.082 | 5 | 4 | 0.94 | 44 | 0.020 | <1 | 2.16 | 0.036 | 0.13 | 0.1 | 0.01 | 7.0 | <0.1 | 0.12 | 7 | <0.5 |
| 19558 | Drill Core | 0.058 | 6 | 4 | 0.69 | 45 | 0.006 | <1 | 1.63 | 0.036 | 0.13 | 0.1 | 0.01 | 5.5 | <0.1 | 0.07 | 6 | <0.5 |
| 19559 | Drill Core | 0.059 | 7 | 6 | 0.80 | 59 | 0.009 | <1 | 1.74 | 0.040 | 0.18 | 0.1 | <0.01 | 5.7 | <0.1 | <0.05 | 6 | <0.5 |
| 19560 | Drill Core | 0.081 | 12 | 21 | 0.75 | 291 | 0.002 | 2 | 1.07 | 0.028 | 0.17 | <0.1 | <0.01 | 3.3 | <0.1 | <0.05 | 4 | <0.5 |
| 19561 | Drill Core | 0.076 | 13 | 17 | 0.64 | 1038 | 0.002 | 1 | 0.91 | 0.032 | 0.22 | <0.1 | <0.01 | 3.6 | <0.1 | <0.05 | 3 | <0.5 |
| 19562 | Drill Core | 0.072 | 12 | 15 | 0.56 | 593 | 0.002 | 1 | 0.78 | 0.020 | 0.18 | <0.1 | <0.01 | 3.4 | <0.1 | <0.05 | 3 | <0.5 |
| 19563 | Drill Core | 0.076 | 13 | 15 | 0.41 | 446 | 0.002 | 2 | 0.79 | 0.025 | 0.23 | <0.1 | <0.01 | 3.6 | <0.1 | <0.05 | 3 | <0.5 |
| 19564 | Drill Core | 0.077 | 14 | 18 | 0.76 | 674 | 0.002 | <1 | 1.03 | 0.025 | 0.19 | <0.1 | <0.01 | 3.0 | <0.1 | <0.05 | 4 | <0.5 |
| 19565 | Drill Core | 0.082 | 14 | 16 | 0.64 | 797 | 0.005 | 2 | 1.25 | 0.037 | 0.10 | 0.2 | <0.01 | 3.2 | <0.1 | <0.05 | 6 | <0.5 |
| 19566 | Drill Core | 0.072 | 12 | 9 | 0.32 | 1068 | 0.007 | 3 | 0.91 | 0.022 | 0.07 | 0.5 | <0.01 | 2.4 | <0.1 | <0.05 | 4 | <0.5 |
| 19567 | Drill Core | 0.074 | 12 | 10 | 0.43 | 455 | 0.007 | 2 | 1.18 | 0.021 | 0.06 | 0.4 | <0.01 | 2.7 | <0.1 | <0.05 | 5 | <0.5 |
| 19568 | Drill Core | 0.075 | 10 | 10 | 0.36 | 1090 | 0.006 | 3 | 0.97 | 0.024 | 0.09 | 0.6 | <0.01 | 2.2 | <0.1 | <0.05 | 5 | <0.5 |
| 19569 | Drill Core | 0.082 | 14 | 17 | 0.68 | 1229 | 0.006 | 3 | 1.15 | 0.037 | 0.14 | 0.3 | <0.01 | 2.7 | <0.1 | <0.05 | 6 | <0.5 |
| 19570 | Rock Pulp | 0.010 | <1 | 35 | 0.65 | <1 | <0.001 | <1 | 0.07 | 0.003 | <0.01 | 1.0 | 13.76 | 0.2 | 18.9 | >10 | 2 | >100 |
| 19571 | Drill Core | 0.076 | 13 | 18 | 0.72 | 331 | 0.003 | <1 | 1.04 | 0.022 | 0.17 | <0.1 | 0.01 | 2.0 | <0.1 | <0.05 | 4 | <0.5 |
| 19572 | Drill Core | 0.074 | 12 | 17 | 0.68 | 255 | 0.002 | 2 | 1.04 | 0.025 | 0.18 | <0.1 | 0.01 | 2.0 | <0.1 | <0.05 | 4 | <0.5 |
| 19573 | Drill Core | 0.069 | 7 | 10 | 0.77 | 37 | 0.002 | <1 | 1.70 | 0.020 | 0.18 | 0.2 | 0.01 | 4.6 | <0.1 | 0.34 | 6 | 0.7 |
| 19574 | Drill Core | 0.075 | 10 | 12 | 0.40 | 73 | 0.004 | 1 | 1.14 | 0.020 | 0.23 | 0.2 | <0.01 | 2.7 | <0.1 | <0.05 | 3 | <0.5 |
| 19575 | Drill Core | 0.086 | 12 | 16 | 0.55 | 852 | 0.003 | 1 | 1.07 | 0.027 | 0.11 | 0.2 | <0.01 | 2.7 | <0.1 | 0.10 | 5 | <0.5 |
| 19576 | Drill Core | 0.058 | 5 | 3 | 0.49 | 40 | <0.001 | 2 | 1.54 | 0.007 | 0.17 | 0.2 | 0.04 | 4.6 | <0.1 | 0.07 | 5 | <0.5 |
| 19577 | Drill Core | 0.061 | 5 | 5 | 0.39 | 214 | 0.001 | 1 | 1.35 | 0.014 | 0.13 | 0.3 | 0.06 | 4.8 | 0.2 | 0.22 | 5 | <0.5 |
| 19578 | Drill Core | 0.075 | 13 | 11 | 0.44 | 26 | 0.001 | 1 | 1.16 | 0.029 | 0.10 | 0.1 | 0.02 | 2.7 | 0.1 | 0.30 | 6 | <0.5 |
| 19579 | Drill Core | 0.079 | 14 | 16 | 0.81 | 132 | 0.002 | 1 | 1.22 | 0.023 | 0.13 | <0.1 | <0.01 | 2.3 | <0.1 | 0.12 | 7 | <0.5 |
| 19580 | Drill Core | 0.084 | 9 | 17 | 0.87 | 64 | 0.002 | 1 | 1.62 | 0.023 | 0.19 | <0.1 | <0.01 | 4.3 | <0.1 | 0.16 | 6 | <0.5 |

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Project: Ted Property
Report Date: January 22, 2010



# CERTIFICATE OF ANALYSIS SMI10000010.1

| | Method | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| 19581 | Drill Core | 7.90 | 0.4 | 57.1 | 21.0 | 126 | 0.3 | 8.7 | 14.3 | 1322 | 4.43 | 20.2 | <0.1 | 7.5 | 0.2 | 55 | 0.3 | 0.3 | 0.1 | 42 | 3.73 |
| 19582 | Drill Core | 7.74 | 0.3 | 10.0 | 40.5 | 151 | 0.1 | 4.6 | 11.3 | 921 | 3.63 | 10.7 | <0.1 | <0.5 | 0.3 | 59 | 0.3 | 0.3 | <0.1 | 30 | 2.99 |
| 19583 | Drill Core | 7.79 | 0.6 | 21.4 | 34.6 | 117 | <0.1 | 6.1 | 8.5 | 1512 | 2.50 | 3.0 | 0.8 | <0.5 | 1.1 | 94 | 0.2 | 0.3 | <0.1 | 32 | 4.91 |
| 19584 | Drill Core | 7.78 | 0.4 | 13.6 | 32.0 | 107 | 0.2 | 3.4 | 8.0 | 1420 | 3.07 | 20.4 | 0.3 | 4.1 | 0.5 | 67 | 0.4 | 0.8 | 0.2 | 26 | 2.81 |
| 19585 | Drill Core | 8.17 | 4.0 | 41.1 | 14.2 | 138 | 0.3 | 2.1 | 10.5 | 1691 | 4.62 | 21.1 | 0.1 | 3.5 | 0.4 | 42 | 0.5 | 0.8 | 0.3 | 35 | 1.90 |
| 19586 | Drill Core | 7.24 | 0.3 | 48.7 | 7.4 | 84 | 0.2 | 3.3 | 8.9 | 1128 | 2.99 | 22.0 | 0.1 | 2.9 | 0.3 | 43 | 0.1 | 0.6 | 0.2 | 20 | 1.68 |
| 19587 | Drill Core | 8.30 | 0.7 | 63.7 | 5.8 | 83 | 0.2 | 6.8 | 8.5 | 877 | 2.55 | 7.6 | 1.0 | 3.2 | 0.8 | 82 | 0.3 | 0.8 | 0.3 | 27 | 2.80 |
| 19588 | Drill Core | 6.86 | 0.3 | 2.9 | 12.0 | 51 | <0.1 | 9.5 | 8.0 | 768 | 2.35 | 1.5 | 1.8 | 1.3 | 1.2 | 110 | <0.1 | 0.3 | <0.1 | 33 | 3.12 |
| 19589 | Drill Core | 8.92 | 0.1 | 17.3 | 3.2 | 80 | <0.1 | 3.1 | 8.9 | 1116 | 3.27 | 14.5 | <0.1 | 0.7 | 0.3 | 38 | <0.1 | 0.6 | <0.1 | 24 | 2.30 |
| 19590 | Drill Core | 0.95 | 0.2 | 2.9 | 3.1 | 45 | <0.1 | 2.9 | 4.0 | 530 | 1.82 | 0.8 | 2.0 | <0.5 | 5.1 | 58 | <0.1 | <0.1 | <0.1 | 35 | 0.50 |
| 19591 | Drill Core | 7.58 | 0.2 | 12.1 | 2.8 | 94 | <0.1 | 2.8 | 8.4 | 1356 | 3.37 | 7.5 | <0.1 | 2.1 | 0.3 | 64 | <0.1 | 0.5 | <0.1 | 23 | 2.82 |
| 19592 | Drill Core | 7.50 | 0.1 | 14.8 | 2.2 | 100 | <0.1 | 3.1 | 12.6 | 1480 | 4.32 | 2.2 | <0.1 | <0.5 | 0.3 | 52 | <0.1 | 0.4 | <0.1 | 43 | 2.07 |
| 19593 | Drill Core | 7.99 | 0.2 | 30.5 | 1.9 | 89 | <0.1 | 2.8 | 12.6 | 1357 | 4.16 | 2.7 | <0.1 | 0.5 | 0.3 | 49 | <0.1 | 0.3 | <0.1 | 43 | 2.45 |
| 19594 | Drill Core | 8.12 | 0.2 | 13.5 | 1.9 | 77 | <0.1 | 2.2 | 8.1 | 1167 | 3.46 | 2.2 | <0.1 | 1.0 | 0.3 | 44 | <0.1 | 0.3 | <0.1 | 25 | 2.38 |
| 19595 | Drill Core | 8.09 | 0.2 | 42.7 | 3.6 | 95 | <0.1 | 6.0 | 11.9 | 1449 | 4.20 | 5.8 | <0.1 | 1.5 | 0.2 | 66 | 0.1 | 0.5 | <0.1 | 38 | 3.73 |
| 19596 | Drill Core | 7.82 | 0.2 | 55.9 | 2.7 | 122 | <0.1 | 10.9 | 16.9 | 1560 | 5.28 | 2.8 | <0.1 | 1.1 | 0.3 | 53 | <0.1 | 0.1 | <0.1 | 60 | 3.50 |
| 19597 | Drill Core | 9.78 | 0.3 | 33.0 | 2.7 | 140 | <0.1 | 18.4 | 22.9 | 2472 | 6.08 | 5.2 | <0.1 | 1.5 | 0.3 | 107 | 0.1 | 0.1 | 0.1 | 96 | 6.16 |
| 19598 | Drill Core | 8.43 | 0.4 | 40.4 | 3.1 | 150 | <0.1 | 8.0 | 21.9 | 2226 | 7.48 | 5.5 | 0.1 | <0.5 | 0.5 | 52 | <0.1 | 0.4 | <0.1 | 75 | 3.67 |
| 19599 | Drill Core | 8.00 | 0.4 | 43.0 | 2.0 | 88 | <0.1 | 5.1 | 15.0 | 1635 | 4.66 | 3.7 | <0.1 | 1.8 | 0.3 | 57 | <0.1 | 0.4 | <0.1 | 59 | 4.07 |
| 19600 | Drill Core | 8.51 | 0.1 | 30.3 | 1.9 | 83 | <0.1 | 6.0 | 12.2 | 1300 | 3.77 | 2.4 | 0.1 | <0.5 | 0.3 | 53 | <0.1 | 0.7 | <0.1 | 37 | 2.35 |
| 19601 | Drill Core | 8.56 | <0.1 | 11.8 | 1.1 | 73 | <0.1 | 2.2 | 7.9 | 980 | 2.73 | 1.9 | <0.1 | 2.1 | 0.2 | 42 | <0.1 | 0.3 | <0.1 | 19 | 1.81 |
| 19602 | Drill Core | 7.25 | 0.1 | 14.9 | 1.3 | 82 | <0.1 | 2.8 | 9.4 | 1129 | 3.31 | 1.9 | <0.1 | 4.5 | 0.2 | 42 | <0.1 | 0.2 | <0.1 | 22 | 2.01 |
| 19603 | Drill Core | 8.13 | 0.3 | 29.1 | 28.4 | 112 | 0.5 | 3.5 | 11.9 | 1298 | 4.01 | 3.5 | <0.1 | 4.1 | 0.3 | 36 | <0.1 | 0.8 | <0.1 | 27 | 2.39 |
| 19604 | Drill Core | 7.89 | 0.2 | 24.5 | 1.6 | 92 | <0.1 | 3.1 | 10.3 | 1142 | 3.53 | 2.0 | 0.1 | 2.7 | 0.3 | 39 | <0.1 | 0.2 | <0.1 | 26 | 1.82 |
| 19605 | Drill Core | 8.23 | 0.1 | 36.6 | 2.0 | 101 | <0.1 | 3.2 | 11.1 | 1181 | 3.79 | 2.2 | 0.2 | 1.1 | 0.3 | 38 | <0.1 | 0.2 | <0.1 | 26 | 1.37 |
| 19606 | Drill Core | 8.00 | 0.2 | 29.3 | 1.5 | 94 | <0.1 | 4.5 | 10.9 | 1111 | 3.55 | 2.3 | 0.1 | 0.6 | 0.3 | 35 | <0.1 | 0.2 | <0.1 | 29 | 1.53 |
| 19607 | Drill Core | 6.15 | 0.1 | 28.6 | 2.4 | 93 | <0.1 | 4.2 | 10.8 | 1112 | 3.59 | 2.3 | 0.1 | <0.5 | 0.3 | 41 | <0.1 | 0.3 | <0.1 | 33 | 1.37 |
| 19608 | Drill Core | 8.12 | <0.1 | 24.9 | 1.4 | 91 | <0.1 | 5.7 | 12.4 | 1129 | 3.52 | 2.3 | 0.1 | <0.5 | 0.3 | 43 | <0.1 | 0.4 | <0.1 | 38 | 1.14 |
| 19609 | Drill Core | 8.04 | 0.1 | 49.0 | 2.6 | 103 | <0.1 | 5.6 | 13.5 | 1153 | 3.72 | 3.0 | 0.1 | <0.5 | 0.3 | 47 | <0.1 | 0.2 | <0.1 | 40 | 1.23 |
| 19610 | Rock Pulp | 0.16 | 18.0 | 7174 | 4691 | >10000 | 73.2 | 20.9 | 108.1 | 1380 | 34.52 | 1792 | 1.7 | 209.1 | <0.1 | 31 | 90.8 | 269.5 | 43.3 | 8 | 1.38 |

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Project: Ted Property
Report Date: January 22, 2010



# CERTIFICATE OF ANALYSIS

SMI10000010.1

| | Method | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | Unit | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | MDL | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 |
| 19581 | Drill Core | 0.078 | 4 | 9 | 0.80 | 86 | 0.001 | 1 | 2.19 | 0.011 | 0.19 | <0.1 | <0.01 | 5.8 | <0.1 | 0.28 | 5 | <0.5 |
| 19582 | Drill Core | 0.065 | 7 | 4 | 0.53 | 275 | <0.001 | 2 | 1.74 | 0.016 | 0.18 | <0.1 | 0.02 | 5.1 | <0.1 | <0.05 | 4 | <0.5 |
| 19583 | Drill Core | 0.086 | 12 | 9 | 0.57 | 663 | 0.003 | 1 | 1.27 | 0.013 | 0.18 | 0.1 | 0.01 | 3.6 | <0.1 | <0.05 | 4 | <0.5 |
| 19584 | Drill Core | 0.071 | 5 | 7 | 0.67 | 191 | 0.020 | 1 | 1.56 | 0.023 | 0.14 | 0.1 | <0.01 | 4.7 | <0.1 | 0.08 | 5 | <0.5 |
| 19585 | Drill Core | 0.125 | 4 | 5 | 1.04 | 53 | 0.115 | <1 | 1.95 | 0.035 | 0.08 | 0.1 | 0.01 | 7.5 | <0.1 | 0.20 | 7 | <0.5 |
| 19586 | Drill Core | 0.048 | 3 | 5 | 0.73 | 34 | 0.017 | <1 | 1.50 | 0.024 | 0.13 | 0.1 | <0.01 | 4.1 | <0.1 | 0.24 | 5 | <0.5 |
| 19587 | Drill Core | 0.074 | 9 | 10 | 0.58 | 150 | 0.004 | 1 | 1.14 | 0.023 | 0.17 | 0.2 | <0.01 | 2.8 | <0.1 | 0.13 | 3 | <0.5 |
| 19588 | Drill Core | 0.083 | 11 | 16 | 0.64 | 602 | 0.004 | 1 | 1.05 | 0.027 | 0.17 | 0.1 | <0.01 | 2.1 | <0.1 | <0.05 | 3 | <0.5 |
| 19589 | Drill Core | 0.053 | 5 | 6 | 0.75 | 41 | 0.006 | <1 | 1.57 | 0.025 | 0.15 | 0.1 | <0.01 | 5.3 | <0.1 | 0.43 | 5 | <0.5 |
| 19590 | Drill Core | 0.082 | 11 | 8 | 0.51 | 178 | 0.126 | <1 | 0.92 | 0.076 | 0.50 | <0.1 | <0.01 | 1.9 | 0.3 | <0.05 | 4 | <0.5 |
| 19591 | Drill Core | 0.062 | 5 | 5 | 0.77 | 43 | 0.010 | <1 | 1.73 | 0.025 | 0.16 | 0.1 | <0.01 | 6.1 | <0.1 | 0.20 | 6 | <0.5 |
| 19592 | Drill Core | 0.056 | 3 | 7 | 1.04 | 80 | 0.036 | <1 | 2.26 | 0.034 | 0.09 | <0.1 | <0.01 | 7.8 | <0.1 | 0.16 | 7 | <0.5 |
| 19593 | Drill Core | 0.060 | 3 | 6 | 0.95 | 35 | 0.046 | <1 | 2.10 | 0.039 | 0.08 | <0.1 | <0.01 | 7.5 | <0.1 | 0.24 | 7 | <0.5 |
| 19594 | Drill Core | 0.068 | 5 | 5 | 0.80 | 75 | 0.003 | <1 | 1.79 | 0.025 | 0.13 | <0.1 | <0.01 | 5.7 | <0.1 | 0.11 | 5 | <0.5 |
| 19595 | Drill Core | 0.060 | 5 | 7 | 0.96 | 70 | 0.003 | <1 | 2.28 | 0.023 | 0.17 | <0.1 | <0.01 | 6.6 | <0.1 | 0.14 | 6 | <0.5 |
| 19596 | Drill Core | 0.093 | 5 | 16 | 1.43 | 158 | 0.003 | <1 | 2.86 | 0.015 | 0.14 | 0.1 | <0.01 | 7.3 | <0.1 | 0.16 | 8 | <0.5 |
| 19597 | Drill Core | 0.114 | 5 | 29 | 1.89 | 158 | 0.005 | 1 | 3.69 | 0.012 | 0.14 | <0.1 | <0.01 | 9.0 | <0.1 | 0.07 | 9 | <0.5 |
| 19598 | Drill Core | 0.221 | 7 | 15 | 1.93 | 156 | 0.150 | <1 | 3.39 | 0.023 | 0.09 | 0.1 | <0.01 | 12.4 | <0.1 | 0.06 | 11 | <0.5 |
| 19599 | Drill Core | 0.097 | 4 | 9 | 1.29 | 90 | 0.038 | <1 | 2.42 | 0.017 | 0.13 | 0.1 | <0.01 | 7.6 | <0.1 | 0.09 | 7 | <0.5 |
| 19600 | Drill Core | 0.060 | 4 | 8 | 0.98 | 61 | 0.026 | <1 | 2.01 | 0.020 | 0.13 | 0.2 | <0.01 | 6.4 | <0.1 | <0.05 | 6 | <0.5 |
| 19601 | Drill Core | 0.052 | 2 | 4 | 0.69 | 185 | 0.065 | <1 | 1.48 | 0.019 | 0.11 | <0.1 | <0.01 | 3.6 | <0.1 | <0.05 | 5 | <0.5 |
| 19602 | Drill Core | 0.059 | 3 | 5 | 0.80 | 50 | 0.045 | <1 | 1.78 | 0.027 | 0.14 | <0.1 | <0.01 | 4.7 | <0.1 | <0.05 | 5 | <0.5 |
| 19603 | Drill Core | 0.059 | 3 | 5 | 0.97 | 171 | 0.038 | <1 | 2.06 | 0.017 | 0.15 | <0.1 | <0.01 | 5.0 | <0.1 | 0.13 | 6 | <0.5 |
| 19604 | Drill Core | 0.059 | 2 | 5 | 0.90 | 83 | 0.076 | <1 | 1.95 | 0.027 | 0.15 | 0.1 | <0.01 | 5.3 | <0.1 | 0.07 | 6 | <0.5 |
| 19605 | Drill Core | 0.066 | 2 | 5 | 0.95 | 159 | 0.137 | <1 | 2.06 | 0.024 | 0.14 | <0.1 | <0.01 | 5.1 | <0.1 | <0.05 | 6 | <0.5 |
| 19606 | Drill Core | 0.061 | 2 | 10 | 0.94 | 32 | 0.144 | <1 | 1.95 | 0.032 | 0.11 | 0.1 | <0.01 | 5.8 | <0.1 | 0.06 | 6 | <0.5 |
| 19607 | Drill Core | 0.059 | 2 | 8 | 0.98 | 28 | 0.115 | 1 | 1.99 | 0.034 | 0.08 | <0.1 | <0.01 | 5.8 | <0.1 | <0.05 | 6 | <0.5 |
| 19608 | Drill Core | 0.058 | 2 | 13 | 1.02 | 18 | 0.155 | <1 | 1.99 | 0.040 | 0.05 | <0.1 | <0.01 | 6.3 | <0.1 | <0.05 | 6 | <0.5 |
| 19609 | Drill Core | 0.060 | 2 | 12 | 1.05 | 17 | 0.161 | <1 | 2.09 | 0.048 | 0.04 | <0.1 | <0.01 | 6.9 | <0.1 | <0.05 | 6 | <0.5 |
| 19610 | Rock Pulp | 0.009 | <1 | 32 | 0.61 | 2 | <0.001 | <1 | 0.07 | 0.003 | <0.01 | 0.8 | 10.49 | 0.2 | 15.4 | >10 | 2 | >100 |

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Project: Ted Property
Report Date: January 22, 2010



## CERTIFICATE OF ANALYSIS SMI10000010.1

| | Method | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| 19611 | Drill Core | 8.60 | 0.1 | 43.4 | 2.6 | 123 | <0.1 | 7.1 | 16.2 | 1272 | 4.21 | 2.9 | 0.1 | 0.8 | 0.3 | 36 | <0.1 | 0.2 | <0.1 | 43 | 1.03 |
| 19612 | Drill Core | 7.62 | 0.2 | 30.2 | 3.1 | 107 | <0.1 | 3.9 | 12.9 | 1296 | 4.26 | 3.0 | 0.2 | 0.9 | 0.3 | 30 | <0.1 | 0.2 | <0.1 | 38 | 1.13 |
| 19613 | Drill Core | 8.39 | 0.2 | 29.8 | 2.6 | 107 | <0.1 | 5.3 | 13.5 | 1131 | 3.93 | 2.8 | 0.1 | 0.8 | 0.3 | 34 | <0.1 | 0.2 | <0.1 | 36 | 0.98 |
| 19614 | Drill Core | 8.16 | 0.1 | 24.5 | 2.5 | 110 | <0.1 | 4.6 | 14.2 | 1270 | 4.25 | 3.0 | 0.1 | <0.5 | 0.3 | 31 | <0.1 | 0.1 | <0.1 | 37 | 1.05 |
| 19615 | Drill Core | 7.68 | <0.1 | 35.9 | 1.8 | 100 | <0.1 | 7.4 | 15.1 | 1131 | 3.73 | 2.3 | 0.1 | <0.5 | 0.3 | 42 | <0.1 | 0.2 | <0.1 | 38 | 1.03 |
| 19616 | Drill Core | 8.67 | 0.1 | 45.5 | 1.5 | 105 | <0.1 | 5.7 | 15.3 | 1221 | 4.04 | 2.4 | 0.2 | <0.5 | 0.3 | 36 | <0.1 | 0.1 | <0.1 | 41 | 1.36 |
| 19617 | Drill Core | 8.70 | <0.1 | 67.4 | 1.3 | 103 | <0.1 | 9.7 | 20.7 | 1442 | 5.42 | 2.5 | 0.1 | <0.5 | 0.2 | 37 | <0.1 | 0.1 | <0.1 | 91 | 1.81 |
| 19618 | Drill Core | 8.29 | <0.1 | 76.7 | 2.2 | 104 | <0.1 | 6.7 | 17.4 | 1619 | 5.22 | 2.6 | 0.1 | <0.5 | 0.2 | 41 | <0.1 | 0.2 | <0.1 | 67 | 2.24 |
| 19619 | Drill Core | 8.41 | 0.4 | 56.5 | 1.9 | 101 | <0.1 | 11.9 | 19.0 | 1397 | 4.71 | 1.2 | 0.1 | 5.1 | 0.3 | 45 | <0.1 | 0.2 | <0.1 | 62 | 1.96 |
| 19620 | Drill Core | 8.19 | 0.2 | 78.6 | 1.4 | 89 | 0.1 | 7.6 | 17.1 | 1205 | 4.23 | 0.9 | 0.1 | 3.2 | 0.3 | 38 | <0.1 | 0.2 | <0.1 | 50 | 1.48 |
| 19621 | Drill Core | 8.02 | 0.4 | 74.7 | 21.8 | 100 | 0.4 | 7.3 | 15.7 | 1344 | 4.20 | 6.1 | 0.1 | 3.0 | 0.3 | 66 | 0.1 | 0.5 | <0.1 | 57 | 2.87 |
| 19622 | Drill Core | 8.78 | 0.2 | 72.8 | 4.4 | 99 | 0.1 | 11.7 | 20.8 | 1445 | 4.54 | 2.8 | 0.1 | 0.9 | 0.3 | 58 | <0.1 | 0.4 | <0.1 | 76 | 2.76 |
| 19623 | Drill Core | 8.55 | <0.1 | 46.1 | 11.6 | 109 | 0.2 | 7.6 | 16.4 | 1475 | 4.29 | 5.4 | 0.1 | 2.1 | 0.3 | 69 | 0.1 | 0.6 | <0.1 | 53 | 2.59 |
| 19624 | Drill Core | 8.77 | 0.1 | 25.2 | 2.3 | 103 | <0.1 | 5.0 | 11.0 | 1074 | 3.36 | 0.8 | 0.1 | <0.5 | 0.4 | 40 | 0.1 | 0.3 | <0.1 | 30 | 1.41 |
| 19625 | Drill Core | 7.74 | <0.1 | 25.5 | 1.6 | 99 | <0.1 | 3.4 | 9.7 | 1028 | 3.07 | 1.0 | 0.2 | 0.9 | 0.4 | 31 | <0.1 | 0.2 | <0.1 | 24 | 1.42 |
| 19626 | Drill Core | 8.20 | 0.1 | 24.7 | 1.6 | 87 | <0.1 | 8.1 | 10.5 | 1066 | 3.00 | 1.0 | 0.2 | 1.6 | 0.3 | 34 | 0.1 | 0.3 | <0.1 | 26 | 1.53 |
| 19627 | Drill Core | 8.42 | 0.1 | 28.0 | 1.6 | 90 | <0.1 | 3.5 | 9.9 | 1019 | 3.00 | <0.5 | 0.2 | 1.0 | 0.3 | 33 | 0.2 | 0.2 | <0.1 | 25 | 1.29 |
| 19628 | Drill Core | 8.31 | 0.1 | 24.5 | 2.4 | 86 | <0.1 | 3.3 | 9.0 | 1027 | 2.97 | <0.5 | 0.2 | <0.5 | 0.3 | 34 | 0.2 | 0.1 | <0.1 | 26 | 1.28 |
| 19629 | Drill Core | 7.79 | 0.1 | 25.4 | 1.7 | 93 | <0.1 | 3.6 | 9.5 | 1013 | 2.95 | 0.5 | 0.2 | <0.5 | 0.3 | 35 | 0.2 | 0.2 | <0.1 | 27 | 1.25 |
| 19630 | Drill Core | 0.73 | 0.1 | 2.5 | 3.2 | 43 | <0.1 | 2.9 | 3.9 | 563 | 1.88 | <0.5 | 2.1 | 0.8 | 5.2 | 59 | <0.1 | <0.1 | 0.1 | 36 | 0.52 |
| 19631 | Drill Core | 8.13 | 0.1 | 25.9 | 1.4 | 89 | <0.1 | 3.4 | 9.2 | 986 | 2.93 | 0.8 | 0.2 | 0.6 | 0.3 | 34 | 0.2 | 0.2 | <0.1 | 25 | 1.25 |
| 19632 | Drill Core | 8.03 | 0.1 | 46.6 | 8.6 | 117 | 0.1 | 3.7 | 10.5 | 1067 | 3.13 | 4.5 | 0.2 | <0.5 | 0.3 | 44 | 0.2 | 0.7 | <0.1 | 29 | 1.48 |
| 19633 | Drill Core | 7.22 | 0.1 | 44.1 | 2.2 | 105 | <0.1 | 5.6 | 14.6 | 1278 | 3.86 | 1.2 | 0.2 | 1.1 | 0.3 | 40 | 0.5 | 0.2 | <0.1 | 43 | 1.36 |
| 19634 | Drill Core | 8.07 | 0.1 | 44.0 | 3.6 | 104 | <0.1 | 4.3 | 12.6 | 1335 | 3.80 | 1.6 | 0.2 | 1.4 | 0.3 | 37 | 0.1 | 0.3 | <0.1 | 38 | 1.78 |
| 19635 | Drill Core | 7.77 | 0.1 | 41.3 | 5.3 | 118 | <0.1 | 4.7 | 11.8 | 1358 | 3.99 | 1.5 | 0.1 | 1.2 | 0.4 | 34 | 0.3 | 0.2 | <0.1 | 33 | 1.61 |
| 19636 | Drill Core | 7.95 | 0.1 | 39.9 | 7.1 | 154 | 0.1 | 5.1 | 12.9 | 1279 | 3.96 | 2.4 | 0.1 | 3.5 | 0.3 | 42 | 0.3 | 0.4 | 0.1 | 45 | 1.85 |
| 19637 | Drill Core | 7.77 | 0.2 | 32.0 | 2.7 | 106 | 0.1 | 5.2 | 12.7 | 1168 | 3.77 | 2.0 | 0.2 | 2.1 | 0.3 | 49 | <0.1 | 0.3 | 0.1 | 39 | 1.71 |
| 19638 | Drill Core | 7.03 | 0.3 | 8.1 | 1.8 | 115 | <0.1 | 1.7 | 6.9 | 1430 | 3.90 | 4.4 | 0.2 | 2.1 | 0.4 | 46 | <0.1 | 0.3 | <0.1 | 13 | 1.95 |
| 19639 | Drill Core | 7.05 | 0.4 | 27.1 | 2.9 | 91 | <0.1 | 4.2 | 7.9 | 1142 | 3.22 | 4.4 | 0.2 | 1.0 | 0.4 | 47 | <0.1 | 0.4 | <0.1 | 24 | 2.09 |
| 19640 | Drill Core | 6.00 | 0.1 | 27.0 | 2.6 | 99 | 0.1 | 4.4 | 10.8 | 1137 | 3.24 | 2.5 | 0.2 | 1.8 | 0.4 | 45 | <0.1 | 0.3 | <0.1 | 30 | 1.70 |

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Project: Ted Property
Report Date: January 22, 2010



# CERTIFICATE OF ANALYSIS SMI10000010.1

| | Method | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | Unit | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | MDL | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 |
| 19611 | Drill Core | 0.067 | 2 | 15 | 1.23 | 17 | 0.199 | <1 | 2.28 | 0.042 | 0.04 | 0.1 | 0.01 | 6.8 | <0.1 | 0.08 | 7 | <0.5 |
| 19612 | Drill Core | 0.071 | 2 | 9 | 1.14 | 13 | 0.150 | <1 | 2.12 | 0.051 | 0.05 | <0.1 | 0.01 | 7.8 | <0.1 | 0.44 | 7 | <0.5 |
| 19613 | Drill Core | 0.063 | 2 | 14 | 1.11 | 10 | 0.153 | <1 | 1.93 | 0.054 | 0.03 | 0.1 | 0.01 | 6.2 | <0.1 | 0.56 | 6 | <0.5 |
| 19614 | Drill Core | 0.068 | 2 | 9 | 1.22 | 18 | 0.131 | <1 | 2.16 | 0.036 | 0.05 | <0.1 | 0.01 | 6.4 | <0.1 | 0.35 | 6 | <0.5 |
| 19615 | Drill Core | 0.062 | 2 | 17 | 1.18 | 17 | 0.153 | <1 | 2.11 | 0.043 | 0.06 | <0.1 | <0.01 | 5.9 | <0.1 | 0.06 | 6 | <0.5 |
| 19616 | Drill Core | 0.063 | 2 | 11 | 1.18 | 29 | 0.148 | <1 | 2.15 | 0.026 | 0.09 | 0.1 | <0.01 | 5.9 | <0.1 | <0.05 | 6 | <0.5 |
| 19617 | Drill Core | 0.060 | 1 | 20 | 2.01 | 30 | 0.195 | <1 | 2.92 | 0.035 | 0.03 | 0.1 | <0.01 | 8.7 | <0.1 | <0.05 | 8 | <0.5 |
| 19618 | Drill Core | 0.067 | 2 | 13 | 1.62 | 51 | 0.123 | <1 | 2.81 | 0.029 | 0.09 | <0.1 | <0.01 | 8.0 | <0.1 | <0.05 | 8 | <0.5 |
| 19619 | Drill Core | 0.066 | 2 | 24 | 1.35 | 55 | 0.137 | 1 | 2.53 | 0.027 | 0.13 | 0.2 | <0.01 | 7.3 | <0.1 | 0.20 | 8 | <0.5 |
| 19620 | Drill Core | 0.062 | 2 | 13 | 1.10 | 33 | 0.174 | <1 | 2.14 | 0.025 | 0.08 | 0.2 | <0.01 | 6.0 | <0.1 | 0.29 | 7 | <0.5 |
| 19621 | Drill Core | 0.059 | 4 | 13 | 1.05 | 229 | 0.083 | 1 | 2.18 | 0.028 | 0.08 | <0.1 | <0.01 | 8.0 | <0.1 | 0.28 | 7 | 0.6 |
| 19622 | Drill Core | 0.050 | 2 | 28 | 1.36 | 71 | 0.144 | 1 | 2.60 | 0.025 | 0.14 | <0.1 | <0.01 | 8.3 | <0.1 | 0.08 | 7 | <0.5 |
| 19623 | Drill Core | 0.053 | 3 | 13 | 1.11 | 65 | 0.092 | 1 | 2.36 | 0.033 | 0.09 | 0.1 | <0.01 | 8.4 | <0.1 | 0.11 | 7 | <0.5 |
| 19624 | Drill Core | 0.062 | 4 | 9 | 0.89 | 107 | 0.081 | 1 | 1.93 | 0.033 | 0.17 | 0.1 | <0.01 | 6.2 | <0.1 | <0.05 | 6 | <0.5 |
| 19625 | Drill Core | 0.059 | 3 | 5 | 0.82 | 63 | 0.133 | <1 | 1.69 | 0.023 | 0.16 | 0.1 | <0.01 | 4.8 | <0.1 | <0.05 | 5 | <0.5 |
| 19626 | Drill Core | 0.056 | 3 | 17 | 0.81 | 108 | 0.122 | <1 | 1.70 | 0.025 | 0.15 | 0.1 | <0.01 | 5.3 | <0.1 | <0.05 | 5 | <0.5 |
| 19627 | Drill Core | 0.057 | 3 | 7 | 0.81 | 395 | 0.140 | <1 | 1.71 | 0.032 | 0.16 | 0.2 | <0.01 | 5.1 | <0.1 | <0.05 | 5 | <0.5 |
| 19628 | Drill Core | 0.057 | 3 | 6 | 0.80 | 163 | 0.150 | <1 | 1.73 | 0.033 | 0.17 | 0.1 | <0.01 | 5.4 | <0.1 | <0.05 | 5 | <0.5 |
| 19629 | Drill Core | 0.057 | 3 | 8 | 0.80 | 118 | 0.157 | <1 | 1.72 | 0.034 | 0.15 | <0.1 | <0.01 | 5.5 | <0.1 | <0.05 | 5 | <0.5 |
| 19630 | Drill Core | 0.077 | 12 | 7 | 0.51 | 185 | 0.136 | <1 | 0.95 | 0.086 | 0.47 | <0.1 | <0.01 | 1.9 | 0.3 | <0.05 | 5 | <0.5 |
| 19631 | Drill Core | 0.058 | 2 | 6 | 0.75 | 136 | 0.128 | <1 | 1.68 | 0.034 | 0.15 | 0.1 | <0.01 | 4.9 | <0.1 | <0.05 | 5 | <0.5 |
| 19632 | Drill Core | 0.059 | 3 | 7 | 0.79 | 107 | 0.128 | <1 | 1.81 | 0.042 | 0.16 | 0.1 | 0.02 | 5.5 | <0.1 | 0.10 | 5 | 0.5 |
| 19633 | Drill Core | 0.061 | 2 | 10 | 1.00 | 89 | 0.165 | <1 | 2.11 | 0.039 | 0.15 | 0.1 | <0.01 | 6.2 | <0.1 | 0.23 | 6 | <0.5 |
| 19634 | Drill Core | 0.061 | 3 | 8 | 0.96 | 140 | 0.158 | 1 | 2.02 | 0.034 | 0.20 | 0.1 | <0.01 | 6.3 | <0.1 | 0.35 | 6 | <0.5 |
| 19635 | Drill Core | 0.062 | 4 | 7 | 0.95 | 84 | 0.066 | <1 | 2.12 | 0.031 | 0.24 | 0.2 | <0.01 | 7.5 | 0.1 | 0.39 | 6 | <0.5 |
| 19636 | Drill Core | 0.055 | 4 | 9 | 0.93 | 38 | 0.078 | <1 | 1.98 | 0.045 | 0.10 | 0.2 | <0.01 | 7.4 | <0.1 | 0.46 | 7 | <0.5 |
| 19637 | Drill Core | 0.061 | 3 | 10 | 0.98 | 73 | 0.128 | <1 | 1.94 | 0.049 | 0.10 | <0.1 | <0.01 | 6.2 | <0.1 | 0.61 | 7 | <0.5 |
| 19638 | Drill Core | 0.084 | 4 | 5 | 0.79 | 27 | 0.124 | <1 | 1.83 | 0.067 | 0.08 | 0.1 | <0.01 | 6.6 | <0.1 | 0.21 | 7 | <0.5 |
| 19639 | Drill Core | 0.087 | 8 | 9 | 0.78 | 34 | 0.041 | <1 | 1.46 | 0.041 | 0.13 | 0.1 | <0.01 | 4.9 | <0.1 | 0.06 | 6 | <0.5 |
| 19640 | Drill Core | 0.064 | 5 | 7 | 0.90 | 103 | 0.090 | 1 | 1.90 | 0.035 | 0.20 | <0.1 | <0.01 | 6.0 | <0.1 | 0.07 | 5 | <0.5 |

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Project: Ted Property
Report Date: January 22, 2010



# CERTIFICATE OF ANALYSIS SMI10000010.1

| | Method | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| 19641 | Drill Core | 8.65 | 0.5 | 35.0 | 5.2 | 101 | <0.1 | 7.5 | 10.5 | 1074 | 2.95 | 3.7 | 0.3 | 1.6 | 0.6 | 57 | 0.1 | 0.4 | 0.1 | 37 | 2.19 |
| 19642 | Drill Core | 8.63 | <0.1 | 25.7 | 2.0 | 103 | <0.1 | 3.4 | 9.9 | 1116 | 3.23 | 1.6 | 0.2 | <0.5 | 0.4 | 48 | <0.1 | 0.4 | <0.1 | 29 | 1.51 |
| 19643 | Drill Core | 8.19 | <0.1 | 21.2 | 2.8 | 90 | <0.1 | 3.0 | 9.6 | 1005 | 3.02 | 0.9 | 0.2 | 1.3 | 0.4 | 51 | <0.1 | 0.3 | <0.1 | 26 | 1.47 |
| 19644 | Drill Core | 7.59 | 0.1 | 25.9 | 2.1 | 89 | <0.1 | 3.8 | 9.6 | 1101 | 3.21 | 0.7 | 0.1 | 0.7 | 0.3 | 48 | 0.1 | 0.5 | <0.1 | 29 | 1.74 |
| 19645 | Drill Core | 8.39 | 0.1 | 23.7 | 6.8 | 99 | <0.1 | 3.6 | 9.3 | 1095 | 3.09 | 2.0 | 0.1 | 1.2 | 0.3 | 56 | 0.3 | 0.4 | <0.1 | 28 | 1.96 |
| 19646 | Drill Core | 7.55 | <0.1 | 32.2 | 2.7 | 96 | <0.1 | 2.6 | 9.3 | 1070 | 3.23 | 1.6 | 0.1 | 1.3 | 0.4 | 47 | 0.2 | 0.3 | <0.1 | 26 | 1.59 |
| 19647 | Drill Core | 8.37 | <0.1 | 25.7 | 1.7 | 91 | <0.1 | 3.5 | 9.4 | 1119 | 3.16 | 0.9 | 0.1 | 1.1 | 0.4 | 56 | <0.1 | 0.4 | <0.1 | 26 | 2.02 |
| 19648 | Drill Core | 8.21 | 0.9 | 24.4 | 8.4 | 224 | 0.1 | 3.3 | 9.2 | 1267 | 3.11 | 1.7 | 0.1 | 2.4 | 0.4 | 46 | 0.8 | 0.4 | 0.1 | 24 | 1.92 |
| 19649 | Drill Core | 7.57 | 4.0 | 2.1 | 1.7 | 122 | <0.1 | 11.2 | 10.8 | 1719 | 2.88 | 22.3 | 0.7 | 11.2 | 1.0 | 60 | <0.1 | 0.6 | 0.2 | 54 | 1.64 |
| 19650 | Rock Pulp | 0.15 | 18.7 | 7508 | 5061 | >10000 | 77.2 | 21.6 | 108.0 | 1490 | 35.05 | 1878 | 2.2 | 350.0 | 0.1 | 31 | 103.3 | 288.4 | 49.0 | 11 | 1.50 |
| 19651 | Drill Core | 7.67 | <0.1 | 0.9 | 1.5 | 101 | <0.1 | 11.3 | 10.5 | 1662 | 2.77 | 4.5 | 0.9 | 2.3 | 1.0 | 75 | <0.1 | 0.6 | <0.1 | 53 | 1.23 |
| 19652 | Drill Core | 8.86 | 0.9 | 24.4 | 10.8 | 159 | <0.1 | 5.9 | 12.2 | 1793 | 3.43 | 3.5 | 0.3 | <0.5 | 0.5 | 56 | 0.2 | 0.6 | 0.1 | 54 | 1.14 |
| 19653 | Drill Core | 8.17 | 0.2 | 46.7 | 7.0 | 127 | 0.2 | 3.8 | 13.2 | 1567 | 3.95 | 3.7 | 0.3 | <0.5 | 0.4 | 54 | 0.2 | 0.3 | <0.1 | 53 | 2.20 |
| 19654 | Drill Core | 8.27 | 0.5 | 43.8 | 1.9 | 115 | <0.1 | 7.3 | 14.1 | 1679 | 4.08 | <0.5 | 0.3 | 1.6 | 0.4 | 44 | <0.1 | 0.4 | 0.1 | 59 | 1.76 |
| 19655 | Drill Core | 8.05 | 0.7 | 17.4 | 4.2 | 92 | <0.1 | 7.4 | 11.1 | 1192 | 3.35 | <0.5 | 0.4 | 1.8 | 0.4 | 90 | <0.1 | 0.3 | <0.1 | 43 | 2.22 |
| 19656 | Drill Core | 9.09 | 0.2 | 28.0 | 2.3 | 99 | <0.1 | 3.5 | 10.5 | 1144 | 3.30 | <0.5 | 0.2 | <0.5 | 0.4 | 57 | <0.1 | 0.4 | <0.1 | 29 | 1.65 |
| 19657 | Drill Core | 8.19 | 0.2 | 23.9 | 2.1 | 93 | <0.1 | 2.9 | 9.6 | 1016 | 3.12 | <0.5 | 0.2 | <0.5 | 0.4 | 39 | <0.1 | 0.3 | <0.1 | 26 | 1.20 |
| 19658 | Drill Core | 8.41 | 0.1 | 27.7 | 2.1 | 97 | <0.1 | 3.7 | 10.0 | 1103 | 3.24 | <0.5 | 0.2 | 0.8 | 0.3 | 43 | <0.1 | 0.2 | <0.1 | 28 | 1.37 |
| 19659 | Drill Core | 9.07 | 0.2 | 25.9 | 2.4 | 93 | <0.1 | 3.8 | 10.0 | 1132 | 3.18 | <0.5 | 0.2 | 0.6 | 0.4 | 49 | <0.1 | 0.3 | <0.1 | 25 | 1.61 |
| 19660 | Drill Core | 8.16 | 0.1 | 13.4 | 2.0 | 88 | <0.1 | 3.6 | 9.0 | 1014 | 2.91 | <0.5 | 0.2 | <0.5 | 0.4 | 46 | <0.1 | 0.4 | <0.1 | 24 | 1.39 |
| 19661 | Drill Core | 8.43 | 0.1 | 16.4 | 2.3 | 98 | <0.1 | 3.5 | 10.1 | 1103 | 3.21 | <0.5 | 0.2 | <0.5 | 0.4 | 56 | <0.1 | 0.4 | <0.1 | 27 | 1.52 |
| 19662 | Drill Core | 8.77 | <0.1 | 32.0 | 2.1 | 102 | <0.1 | 3.5 | 10.2 | 1146 | 3.36 | <0.5 | 0.2 | <0.5 | 0.4 | 47 | <0.1 | 0.3 | <0.1 | 26 | 1.35 |
| 19663 | Drill Core | 7.86 | 0.1 | 21.5 | 1.9 | 90 | <0.1 | 2.9 | 9.1 | 1029 | 2.91 | <0.5 | 0.2 | 1.6 | 0.3 | 51 | 0.1 | 0.2 | <0.1 | 24 | 1.47 |
| 19664 | Drill Core | 8.96 | 0.1 | 27.0 | 5.3 | 94 | <0.1 | 3.2 | 9.1 | 1059 | 3.09 | <0.5 | 0.1 | <0.5 | 0.4 | 56 | <0.1 | 0.4 | <0.1 | 23 | 1.69 |
| 19665 | Drill Core | 7.48 | <0.1 | 22.8 | 2.4 | 93 | <0.1 | 3.0 | 9.0 | 1073 | 3.07 | <0.5 | 0.1 | 0.9 | 0.3 | 60 | 0.1 | 0.3 | <0.1 | 24 | 1.89 |
| 19666 | Drill Core | 8.44 | 0.2 | 22.2 | 2.4 | 101 | <0.1 | 4.0 | 10.1 | 1153 | 3.22 | <0.5 | 0.2 | 0.8 | 0.4 | 53 | <0.1 | 0.3 | <0.1 | 27 | 1.78 |
| 19667 | Drill Core | 8.96 | <0.1 | 20.5 | 1.9 | 92 | <0.1 | 3.4 | 9.2 | 1004 | 2.92 | <0.5 | 0.2 | <0.5 | 0.3 | 43 | <0.1 | 0.3 | <0.1 | 25 | 1.16 |
| 19668 | Drill Core | 8.46 | <0.1 | 34.8 | 1.8 | 96 | <0.1 | 3.5 | 9.3 | 1046 | 2.97 | <0.5 | 0.2 | <0.5 | 0.3 | 42 | <0.1 | 0.2 | <0.1 | 26 | 1.32 |
| 19669 | Drill Core | 7.55 | 0.1 | 28.8 | 1.7 | 101 | <0.1 | 3.4 | 9.7 | 1110 | 3.10 | <0.5 | 0.2 | <0.5 | 0.4 | 40 | <0.1 | 0.2 | <0.1 | 25 | 1.22 |
| 19670 | Drill Core | 1.19 | 0.3 | 3.1 | 3.0 | 50 | <0.1 | 3.7 | 4.3 | 620 | 2.12 | <0.5 | 1.7 | <0.5 | 5.7 | 61 | <0.1 | <0.1 | <0.1 | 40 | 0.55 |

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Project: Ted Property
Report Date: January 22, 2010



## CERTIFICATE OF ANALYSIS SMI10000010.1

| Method | | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| Unit | | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| MDL | | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 |
| 19641 | Drill Core | 0.079 | 8 | 13 | 0.86 | 103 | 0.060 | <1 | 1.64 | 0.035 | 0.19 | 0.1 | <0.01 | 4.9 | <0.1 | 0.06 | 6 | <0.5 |
| 19642 | Drill Core | 0.062 | 3 | 7 | 0.89 | 75 | 0.124 | 1 | 1.98 | 0.036 | 0.18 | 0.1 | <0.01 | 6.7 | <0.1 | <0.05 | 5 | <0.5 |
| 19643 | Drill Core | 0.058 | 3 | 7 | 0.78 | 174 | 0.092 | 1 | 1.85 | 0.042 | 0.16 | 0.1 | <0.01 | 6.2 | <0.1 | <0.05 | 5 | <0.5 |
| 19644 | Drill Core | 0.061 | 3 | 8 | 0.79 | 109 | 0.025 | <1 | 1.81 | 0.043 | 0.12 | <0.1 | <0.01 | 6.3 | <0.1 | <0.05 | 6 | <0.5 |
| 19645 | Drill Core | 0.055 | 3 | 8 | 0.72 | 154 | 0.040 | 1 | 1.68 | 0.034 | 0.11 | <0.1 | <0.01 | 6.0 | <0.1 | <0.05 | 5 | <0.5 |
| 19646 | Drill Core | 0.061 | 3 | 5 | 0.77 | 107 | 0.051 | 1 | 1.88 | 0.031 | 0.18 | <0.1 | <0.01 | 6.3 | <0.1 | 0.08 | 6 | <0.5 |
| 19647 | Drill Core | 0.059 | 4 | 6 | 0.76 | 69 | 0.018 | 1 | 1.92 | 0.036 | 0.17 | <0.1 | <0.01 | 6.2 | <0.1 | <0.05 | 6 | <0.5 |
| 19648 | Drill Core | 0.058 | 4 | 6 | 0.76 | 52 | 0.028 | 2 | 1.83 | 0.033 | 0.18 | 0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 6 | <0.5 |
| 19649 | Drill Core | 0.099 | 11 | 22 | 1.04 | 55 | 0.029 | 4 | 1.41 | 0.052 | 0.12 | 0.2 | <0.01 | 2.6 | <0.1 | 0.06 | 9 | <0.5 |
| 19650 | Rock Pulp | 0.010 | <1 | 36 | 0.60 | 3 | <0.001 | <1 | 0.07 | 0.001 | <0.01 | 1.0 | 11.88 | 0.2 | 18.1 | >10 | 2 | >100 |
| 19651 | Drill Core | 0.096 | 7 | 23 | 1.07 | 35 | 0.088 | 2 | 1.31 | 0.054 | 0.09 | 0.2 | <0.01 | 2.3 | <0.1 | <0.05 | 9 | <0.5 |
| 19652 | Drill Core | 0.069 | 4 | 13 | 1.08 | 34 | 0.167 | 1 | 1.90 | 0.046 | 0.11 | 0.2 | <0.01 | 6.1 | <0.1 | <0.05 | 7 | <0.5 |
| 19653 | Drill Core | 0.054 | 3 | 9 | 1.04 | 32 | 0.085 | 3 | 2.13 | 0.050 | 0.10 | 0.2 | <0.01 | 7.3 | <0.1 | 0.11 | 7 | <0.5 |
| 19654 | Drill Core | 0.080 | 4 | 15 | 1.13 | 39 | 0.087 | 2 | 2.19 | 0.041 | 0.11 | <0.1 | <0.01 | 6.3 | <0.1 | <0.05 | 7 | <0.5 |
| 19655 | Drill Core | 0.090 | 6 | 14 | 1.03 | 707 | 0.034 | 2 | 1.81 | 0.038 | 0.15 | <0.1 | <0.01 | 4.6 | <0.1 | <0.05 | 6 | <0.5 |
| 19656 | Drill Core | 0.064 | 3 | 8 | 0.89 | 40 | 0.085 | 3 | 2.00 | 0.037 | 0.13 | <0.1 | <0.01 | 6.4 | <0.1 | <0.05 | 6 | <0.5 |
| 19657 | Drill Core | 0.057 | 3 | 7 | 0.86 | 46 | 0.099 | 2 | 1.82 | 0.042 | 0.09 | 0.1 | <0.01 | 5.6 | <0.1 | <0.05 | 5 | <0.5 |
| 19658 | Drill Core | 0.067 | 3 | 8 | 0.90 | 60 | 0.120 | 2 | 1.92 | 0.045 | 0.12 | 0.1 | <0.01 | 6.0 | <0.1 | <0.05 | 6 | <0.5 |
| 19659 | Drill Core | 0.061 | 3 | 7 | 0.84 | 88 | 0.092 | 2 | 1.83 | 0.034 | 0.12 | <0.1 | <0.01 | 5.9 | <0.1 | <0.05 | 6 | <0.5 |
| 19660 | Drill Core | 0.060 | 3 | 8 | 0.79 | 83 | 0.112 | 2 | 1.71 | 0.039 | 0.11 | 0.1 | <0.01 | 5.4 | <0.1 | <0.05 | 5 | <0.5 |
| 19661 | Drill Core | 0.065 | 3 | 6 | 0.85 | 168 | 0.105 | 3 | 1.90 | 0.034 | 0.17 | <0.1 | <0.01 | 5.8 | <0.1 | <0.05 | 6 | <0.5 |
| 19662 | Drill Core | 0.072 | 3 | 6 | 0.92 | 142 | 0.108 | 2 | 2.00 | 0.033 | 0.19 | <0.1 | <0.01 | 6.1 | <0.1 | <0.05 | 6 | <0.5 |
| 19663 | Drill Core | 0.057 | 3 | 6 | 0.78 | 158 | 0.118 | 2 | 1.74 | 0.037 | 0.13 | 0.1 | <0.01 | 5.4 | <0.1 | <0.05 | 5 | <0.5 |
| 19664 | Drill Core | 0.060 | 3 | 7 | 0.77 | 97 | 0.054 | 2 | 1.79 | 0.035 | 0.14 | <0.1 | <0.01 | 5.8 | <0.1 | <0.05 | 5 | <0.5 |
| 19665 | Drill Core | 0.060 | 3 | 7 | 0.76 | 153 | 0.032 | 3 | 1.73 | 0.034 | 0.12 | <0.1 | <0.01 | 5.5 | <0.1 | <0.05 | 6 | <0.5 |
| 19666 | Drill Core | 0.059 | 3 | 7 | 0.85 | 86 | 0.106 | 2 | 1.86 | 0.036 | 0.12 | <0.1 | <0.01 | 5.6 | <0.1 | <0.05 | 6 | <0.5 |
| 19667 | Drill Core | 0.064 | 3 | 8 | 0.82 | 102 | 0.138 | 1 | 1.72 | 0.042 | 0.11 | 0.1 | <0.01 | 5.6 | <0.1 | <0.05 | 5 | <0.5 |
| 19668 | Drill Core | 0.064 | 3 | 8 | 0.83 | 82 | 0.138 | 1 | 1.78 | 0.040 | 0.16 | 0.1 | <0.01 | 5.6 | <0.1 | <0.05 | 6 | <0.5 |
| 19669 | Drill Core | 0.070 | 3 | 6 | 0.82 | 74 | 0.143 | 2 | 1.81 | 0.036 | 0.16 | 0.1 | <0.01 | 5.5 | <0.1 | <0.05 | 5 | <0.5 |
| 19670 | Drill Core | 0.096 | 13 | 10 | 0.56 | 177 | 0.140 | 1 | 0.99 | 0.080 | 0.53 | 0.3 | <0.01 | 2.1 | 0.3 | <0.05 | 5 | <0.5 |

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# CERTIFICATE OF ANALYSIS SMI10000010.1

| Method | | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| Unit | | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| MDL | | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| 19671 | Drill Core | 8.43 | 0.1 | 28.7 | 2.5 | 117 | <0.1 | 1.1 | 5.8 | 1318 | 3.48 | 0.7 | 0.2 | <0.5 | 0.3 | 26 | 0.1 | 0.1 | <0.1 | 13 | 1.25 |
| 19672 | Drill Core | 8.94 | 0.2 | 11.3 | 2.0 | 113 | <0.1 | 2.0 | 6.5 | 1305 | 3.48 | 0.5 | 0.2 | 0.6 | 0.3 | 29 | 0.3 | 0.1 | <0.1 | 16 | 1.09 |
| 19673 | Drill Core | 8.34 | 0.1 | 17.3 | 1.3 | 100 | <0.1 | 1.7 | 6.3 | 1188 | 3.02 | <0.5 | 0.2 | 0.5 | 0.3 | 31 | <0.1 | 0.2 | <0.1 | 16 | 1.06 |
| 19674 | Drill Core | 9.12 | 0.1 | 3.6 | 1.2 | 115 | <0.1 | 0.8 | 4.6 | 1367 | 3.24 | <0.5 | 0.2 | <0.5 | 0.3 | 32 | <0.1 | 0.2 | <0.1 | 10 | 1.32 |
| 19675 | Drill Core | 8.45 | 0.2 | 20.4 | 1.8 | 94 | <0.1 | 3.1 | 8.3 | 1119 | 3.01 | <0.5 | 0.2 | <0.5 | 0.3 | 36 | <0.1 | 0.2 | <0.1 | 22 | 1.59 |
| 19676 | Drill Core | 8.82 | 0.2 | 26.5 | 2.5 | 101 | <0.1 | 3.6 | 10.2 | 1104 | 3.24 | <0.5 | 0.2 | <0.5 | 0.4 | 46 | <0.1 | 0.3 | <0.1 | 29 | 1.47 |
| 19677 | Drill Core | 8.56 | 0.2 | 20.7 | 3.3 | 104 | <0.1 | 3.3 | 10.2 | 1214 | 3.40 | 0.9 | 0.2 | 0.7 | 0.4 | 60 | 0.2 | 0.4 | <0.1 | 28 | 1.78 |
| 19678 | Drill Core | 8.40 | 0.2 | 24.4 | 2.0 | 95 | <0.1 | 3.6 | 10.6 | 1093 | 3.15 | <0.5 | 0.2 | 0.6 | 0.4 | 42 | 0.1 | 0.2 | <0.1 | 25 | 1.32 |
| 19679 | Drill Core | 6.15 | 0.3 | 36.6 | 1.9 | 97 | <0.1 | 3.6 | 9.8 | 1014 | 3.05 | <0.5 | 0.2 | <0.5 | 0.3 | 42 | <0.1 | 0.2 | <0.1 | 24 | 0.93 |
| 19680 | Drill Core | 7.52 | 0.2 | 14.4 | 2.0 | 87 | <0.1 | 3.3 | 8.7 | 975 | 2.78 | <0.5 | 0.2 | 0.6 | 0.3 | 50 | 0.2 | 0.2 | <0.1 | 28 | 0.97 |
| 19681 | Drill Core | 8.74 | 0.2 | 27.4 | 1.5 | 94 | <0.1 | 3.9 | 9.9 | 1043 | 3.06 | <0.5 | 0.2 | <0.5 | 0.4 | 42 | 0.1 | 0.3 | <0.1 | 27 | 0.99 |
| 19682 | Drill Core | 8.48 | 0.1 | 22.3 | 2.4 | 89 | <0.1 | 3.4 | 9.1 | 1170 | 3.14 | <0.5 | 0.1 | <0.5 | 0.3 | 68 | <0.1 | 0.5 | <0.1 | 25 | 2.18 |
| 19683 | Drill Core | 7.57 | 0.1 | 28.6 | 2.1 | 105 | <0.1 | 3.3 | 10.4 | 1151 | 3.57 | <0.5 | 0.1 | 0.7 | 0.4 | 49 | 0.1 | 0.6 | <0.1 | 28 | 1.70 |
| 19684 | Drill Core | 7.60 | 0.2 | 37.5 | 4.6 | 87 | <0.1 | 3.1 | 9.5 | 1057 | 3.06 | 0.5 | 0.1 | 6.1 | 0.4 | 43 | 0.1 | 0.3 | <0.1 | 26 | 1.70 |
| 19685 | Drill Core | 7.93 | 0.1 | 32.4 | 1.9 | 98 | <0.1 | 3.3 | 9.6 | 1124 | 3.28 | 0.7 | 0.2 | 0.7 | 0.4 | 45 | 0.1 | 0.3 | <0.1 | 28 | 1.55 |
| 19686 | Drill Core | 7.14 | 0.2 | 22.8 | 2.4 | 95 | <0.1 | 3.4 | 9.4 | 1149 | 3.34 | 0.9 | 0.1 | 9.1 | 0.4 | 55 | 0.1 | 0.5 | <0.1 | 27 | 1.90 |
| 19687 | Drill Core | 8.73 | <0.1 | 15.9 | 4.1 | 93 | <0.1 | 3.3 | 9.2 | 1113 | 3.42 | 1.0 | <0.1 | 1.0 | 0.4 | 60 | 0.2 | 0.6 | <0.1 | 26 | 1.99 |
| 19688 | Drill Core | 8.75 | 0.2 | 20.7 | 1.5 | 92 | <0.1 | 3.7 | 9.2 | 1065 | 3.06 | <0.5 | 0.2 | <0.5 | 0.4 | 56 | 0.2 | 0.4 | <0.1 | 27 | 1.55 |
| 19689 | Drill Core | 8.75 | 0.3 | 64.9 | 25.2 | 174 | 0.3 | 3.2 | 9.0 | 1000 | 3.02 | 10.2 | 0.2 | 10.2 | 0.3 | 51 | 0.7 | 1.6 | 0.3 | 28 | 1.49 |
| 19690 | Rock Pulp | 0.10 | 16.3 | 6982 | 3291 | >10000 | 73.9 | 21.3 | 102.4 | 1440 | 33.92 | 1801 | 2.0 | 58.1 | <0.1 | 24 | 96.4 | 268.4 | 51.5 | 12 | 1.39 |
| 19691 | Drill Core | 8.48 | 0.2 | 33.8 | 6.3 | 105 | <0.1 | 3.3 | 9.1 | 925 | 2.76 | 2.7 | 0.2 | 6.7 | 0.3 | 47 | 0.2 | 0.5 | <0.1 | 28 | 1.25 |
| 19692 | Drill Core | 6.49 | 0.1 | 59.7 | 1.8 | 100 | <0.1 | 20.5 | 24.6 | 1758 | 5.84 | 1.7 | 0.1 | 0.7 | 0.5 | 81 | <0.1 | 0.2 | <0.1 | 117 | 3.92 |
| 19693 | Drill Core | 9.19 | 0.2 | 52.1 | 2.2 | 83 | <0.1 | 18.0 | 21.5 | 1505 | 5.24 | 1.9 | 0.1 | 1.1 | 0.5 | 83 | <0.1 | 0.2 | <0.1 | 112 | 3.77 |
| 19694 | Drill Core | 8.35 | 0.3 | 22.1 | 3.6 | 91 | <0.1 | 3.3 | 8.9 | 942 | 2.85 | 1.2 | 0.2 | 0.7 | 0.3 | 57 | 0.2 | 0.4 | <0.1 | 28 | 1.28 |
| 19695 | Drill Core | 8.06 | 0.3 | 13.8 | 2.1 | 89 | <0.1 | 3.6 | 9.6 | 1015 | 2.96 | 0.7 | 0.2 | <0.5 | 0.3 | 62 | 0.1 | 0.3 | <0.1 | 29 | 1.18 |
| 19696 | Drill Core | 8.26 | 0.1 | 22.5 | 1.9 | 89 | <0.1 | 4.1 | 10.7 | 1110 | 3.13 | 0.6 | 0.2 | <0.5 | 0.3 | 61 | <0.1 | 0.4 | <0.1 | 34 | 1.17 |
| 19697 | Drill Core | 7.47 | 0.1 | 36.3 | 2.2 | 115 | <0.1 | 4.8 | 14.2 | 1406 | 4.04 | 2.1 | 0.1 | 0.7 | 0.3 | 75 | <0.1 | 0.3 | <0.1 | 42 | 2.09 |
| 19698 | Drill Core | 7.89 | 0.3 | 74.3 | 2.7 | 115 | <0.1 | 7.5 | 16.1 | 1419 | 4.13 | 1.4 | 0.2 | 1.1 | 0.3 | 38 | <0.1 | 0.3 | <0.1 | 41 | 1.17 |
| 19699 | Drill Core | 9.04 | 0.2 | 28.7 | 3.4 | 121 | <0.1 | 6.8 | 10.4 | 1790 | 2.81 | 11.6 | 0.7 | <0.5 | 0.7 | 89 | <0.1 | 0.4 | <0.1 | 40 | 1.97 |
| 19700 | Drill Core | 8.82 | 0.1 | 0.8 | 4.3 | 103 | <0.1 | 7.2 | 8.2 | 1900 | 2.36 | 5.4 | 1.4 | 0.7 | 1.2 | 76 | <0.1 | 0.2 | <0.1 | 38 | 1.96 |

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# CERTIFICATE OF ANALYSIS SMI10000010.1

| | Method | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | Unit | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | MDL | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 |
| 19671 | Drill Core | 0.104 | 3 | 3 | 0.77 | 73 | 0.151 | 2 | 1.68 | 0.056 | 0.14 | 0.1 | <0.01 | 5.0 | <0.1 | 0.46 | 5 | <0.5 |
| 19672 | Drill Core | 0.091 | 3 | 7 | 0.83 | 68 | 0.175 | 1 | 1.67 | 0.055 | 0.12 | 0.1 | <0.01 | 5.4 | <0.1 | 0.53 | 5 | <0.5 |
| 19673 | Drill Core | 0.081 | 3 | 6 | 0.81 | 52 | 0.170 | 1 | 1.56 | 0.044 | 0.11 | 0.1 | <0.01 | 5.6 | <0.1 | 0.13 | 5 | <0.5 |
| 19674 | Drill Core | 0.105 | 4 | 4 | 0.83 | 111 | 0.176 | <1 | 1.64 | 0.046 | 0.16 | 0.1 | <0.01 | 5.8 | <0.1 | <0.05 | 6 | <0.5 |
| 19675 | Drill Core | 0.072 | 3 | 7 | 0.82 | 47 | 0.175 | 1 | 1.61 | 0.041 | 0.10 | 0.1 | <0.01 | 5.6 | <0.1 | 0.12 | 5 | <0.5 |
| 19676 | Drill Core | 0.063 | 3 | 8 | 0.86 | 56 | 0.161 | 2 | 1.79 | 0.048 | 0.11 | 0.1 | <0.01 | 6.2 | <0.1 | 0.05 | 6 | <0.5 |
| 19677 | Drill Core | 0.064 | 3 | 7 | 0.89 | 130 | 0.149 | 2 | 1.91 | 0.033 | 0.14 | <0.1 | <0.01 | 5.8 | <0.1 | 0.05 | 6 | <0.5 |
| 19678 | Drill Core | 0.062 | 3 | 8 | 0.85 | 73 | 0.134 | 3 | 1.77 | 0.040 | 0.13 | 0.1 | <0.01 | 5.4 | <0.1 | 0.12 | 6 | <0.5 |
| 19679 | Drill Core | 0.061 | 3 | 7 | 0.86 | 86 | 0.123 | 3 | 1.66 | 0.037 | 0.11 | 0.1 | <0.01 | 4.5 | <0.1 | 0.11 | 5 | <0.5 |
| 19680 | Drill Core | 0.056 | 3 | 12 | 0.80 | 73 | 0.155 | <1 | 1.67 | 0.056 | 0.06 | 0.1 | <0.01 | 5.4 | <0.1 | <0.05 | 5 | <0.5 |
| 19681 | Drill Core | 0.065 | 3 | 8 | 0.86 | 120 | 0.146 | <1 | 1.76 | 0.043 | 0.09 | <0.1 | <0.01 | 5.2 | <0.1 | <0.05 | 5 | <0.5 |
| 19682 | Drill Core | 0.058 | 3 | 8 | 0.78 | 180 | 0.031 | 2 | 1.77 | 0.038 | 0.15 | <0.1 | <0.01 | 5.5 | <0.1 | <0.05 | 6 | <0.5 |
| 19683 | Drill Core | 0.069 | 4 | 6 | 0.91 | 133 | 0.043 | 3 | 2.04 | 0.036 | 0.17 | <0.1 | <0.01 | 6.2 | <0.1 | <0.05 | 6 | <0.5 |
| 19684 | Drill Core | 0.055 | 3 | 8 | 0.78 | 54 | 0.085 | 1 | 1.75 | 0.044 | 0.12 | <0.1 | <0.01 | 5.6 | <0.1 | <0.05 | 6 | <0.5 |
| 19685 | Drill Core | 0.061 | 4 | 6 | 0.85 | 48 | 0.126 | 1 | 1.87 | 0.039 | 0.14 | 0.1 | <0.01 | 6.2 | <0.1 | <0.05 | 6 | <0.5 |
| 19686 | Drill Core | 0.064 | 4 | 6 | 0.82 | 131 | 0.059 | 3 | 1.95 | 0.049 | 0.19 | <0.1 | <0.01 | 6.2 | <0.1 | <0.05 | 6 | <0.5 |
| 19687 | Drill Core | 0.058 | 4 | 8 | 0.81 | 75 | 0.007 | 2 | 1.90 | 0.047 | 0.12 | <0.1 | <0.01 | 5.9 | <0.1 | <0.05 | 7 | <0.5 |
| 19688 | Drill Core | 0.059 | 3 | 8 | 0.82 | 180 | 0.092 | 1 | 1.71 | 0.042 | 0.09 | <0.1 | <0.01 | 5.5 | <0.1 | <0.05 | 6 | <0.5 |
| 19689 | Drill Core | 0.057 | 3 | 9 | 0.80 | 207 | 0.105 | 1 | 1.60 | 0.045 | 0.08 | <0.1 | 0.06 | 4.9 | 0.1 | 0.17 | 5 | 0.9 |
| 19690 | Rock Pulp | 0.010 | <1 | 34 | 0.62 | <1 | <0.001 | <1 | 0.06 | 0.003 | <0.01 | 0.8 | 12.22 | <0.1 | 17.7 | >10 | 2 | >100 |
| 19691 | Drill Core | 0.052 | 2 | 8 | 0.81 | 92 | 0.118 | <1 | 1.59 | 0.069 | 0.07 | 0.1 | 0.02 | 5.1 | <0.1 | 0.06 | 5 | 0.5 |
| 19692 | Drill Core | 0.146 | 5 | 40 | 2.52 | 475 | 0.083 | 2 | 3.32 | 0.032 | 0.08 | 0.1 | <0.01 | 11.1 | <0.1 | 0.06 | 9 | <0.5 |
| 19693 | Drill Core | 0.128 | 5 | 33 | 2.27 | 155 | 0.046 | 2 | 2.97 | 0.037 | 0.10 | <0.1 | <0.01 | 10.5 | <0.1 | <0.05 | 9 | <0.5 |
| 19694 | Drill Core | 0.058 | 3 | 9 | 0.78 | 67 | 0.100 | 1 | 1.66 | 0.070 | 0.07 | <0.1 | 0.01 | 5.6 | <0.1 | <0.05 | 6 | <0.5 |
| 19695 | Drill Core | 0.060 | 3 | 9 | 0.81 | 83 | 0.113 | <1 | 1.74 | 0.066 | 0.07 | <0.1 | <0.01 | 5.9 | <0.1 | <0.05 | 6 | <0.5 |
| 19696 | Drill Core | 0.065 | 3 | 9 | 0.87 | 22 | 0.147 | 1 | 1.88 | 0.056 | 0.06 | 0.1 | <0.01 | 6.5 | <0.1 | <0.05 | 6 | <0.5 |
| 19697 | Drill Core | 0.063 | 3 | 9 | 1.10 | 46 | 0.079 | 1 | 2.36 | 0.047 | 0.11 | 0.2 | <0.01 | 7.2 | <0.1 | 0.06 | 7 | <0.5 |
| 19698 | Drill Core | 0.076 | 2 | 13 | 1.25 | 47 | 0.146 | <1 | 2.33 | 0.033 | 0.09 | 0.1 | <0.01 | 6.5 | <0.1 | <0.05 | 7 | <0.5 |
| 19699 | Drill Core | 0.075 | 8 | 13 | 0.84 | 715 | 0.047 | <1 | 1.43 | 0.048 | 0.14 | <0.1 | <0.01 | 3.6 | <0.1 | <0.05 | 6 | <0.5 |
| 19700 | Drill Core | 0.080 | 12 | 13 | 0.69 | 590 | 0.004 | <1 | 0.96 | 0.043 | 0.16 | <0.1 | <0.01 | 1.6 | <0.1 | <0.05 | 6 | <0.5 |

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Project: Ted Property
Report Date: January 22, 2010



# CERTIFICATE OF ANALYSIS SMI10000010.1

| | Method | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| 19701 | Drill Core | 8.12 | 0.1 | 1.6 | 3.6 | 112 | <0.1 | 7.3 | 8.3 | 1979 | 2.50 | 24.9 | 1.1 | 1.3 | 1.1 | 51 | <0.1 | 0.4 | <0.1 | 41 | 2.27 |
| 19702 | Drill Core | 7.92 | 0.4 | 18.8 | 17.7 | 273 | <0.1 | 3.6 | 9.4 | 1485 | 2.91 | 1.1 | 0.2 | 2.7 | 0.3 | 67 | 1.4 | 0.7 | 0.2 | 32 | 1.77 |
| 19703 | Drill Core | 9.29 | 0.2 | 16.0 | 10.0 | 145 | <0.1 | 4.0 | 11.5 | 1392 | 3.57 | 1.7 | 0.2 | 0.7 | 0.4 | 59 | 0.4 | 0.4 | <0.1 | 40 | 1.94 |
| 19704 | Drill Core | 9.23 | 0.2 | 28.9 | 2.7 | 132 | 0.2 | 4.5 | 11.0 | 1151 | 3.48 | 2.0 | 0.2 | 2.9 | 0.4 | 47 | 0.2 | 0.3 | 0.1 | 34 | 1.50 |
| 19705 | Drill Core | 8.82 | 0.6 | 49.0 | 3.4 | 437 | 0.3 | 3.5 | 10.2 | 1144 | 3.33 | 3.4 | 0.2 | 1.1 | 0.4 | 49 | 1.3 | 0.3 | 0.5 | 33 | 1.61 |
| 19706 | Drill Core | 9.31 | 0.3 | 28.2 | 2.0 | 187 | 0.2 | 4.1 | 9.0 | 1181 | 3.17 | 3.5 | 0.1 | 0.6 | 0.4 | 48 | 0.5 | 0.3 | 0.1 | 30 | 1.86 |
| 19707 | Drill Core | 8.96 | 0.1 | 30.5 | 7.1 | 174 | 0.2 | 3.4 | 9.2 | 1135 | 3.17 | 3.9 | 0.2 | <0.5 | 0.4 | 61 | 0.4 | 0.4 | 0.4 | 32 | 1.83 |
| 19708 | Drill Core | 8.24 | 0.4 | 81.2 | 10.8 | 242 | 0.5 | 10.1 | 19.8 | 2014 | 4.88 | 4.3 | 0.2 | 0.9 | 0.3 | 59 | 0.4 | 0.4 | 0.8 | 103 | 2.21 |
| 19709 | Drill Core | 8.44 | 0.1 | 0.7 | 36.9 | 107 | <0.1 | 10.7 | 9.0 | 1386 | 2.39 | 3.1 | 1.7 | 0.5 | 2.4 | 38 | 0.1 | 0.3 | 0.1 | 44 | 1.76 |
| 19710 | Drill Core | 1.14 | 0.1 | 2.3 | 2.8 | 45 | <0.1 | 3.3 | 4.2 | 623 | 2.02 | <0.5 | 1.8 | <0.5 | 5.9 | 58 | <0.1 | <0.1 | <0.1 | 39 | 0.55 |
| 19711 | Drill Core | 8.49 | 0.3 | 7.1 | 2.6 | 105 | <0.1 | 10.1 | 9.4 | 1437 | 2.44 | 2.2 | 1.5 | <0.5 | 2.0 | 50 | <0.1 | 0.4 | 0.1 | 41 | 2.04 |
| 19712 | Drill Core | 8.28 | 0.9 | 36.4 | 3.1 | 116 | 0.1 | 4.7 | 10.8 | 1240 | 3.46 | 1.2 | 0.2 | <0.5 | 0.4 | 58 | 0.2 | 0.3 | <0.1 | 34 | 1.84 |
| 19713 | Drill Core | 7.68 | 0.1 | 25.4 | 2.0 | 93 | <0.1 | 4.3 | 11.7 | 1159 | 3.60 | 1.8 | 0.2 | <0.5 | 0.4 | 65 | <0.1 | 0.6 | <0.1 | 37 | 2.44 |
| 19714 | Drill Core | 8.41 | 0.1 | 20.4 | 1.7 | 87 | <0.1 | 3.6 | 10.7 | 1104 | 3.31 | 0.6 | 0.2 | <0.5 | 0.4 | 55 | 0.1 | 0.3 | <0.1 | 33 | 1.74 |
| 19715 | Drill Core | 8.92 | 0.1 | 43.3 | 1.7 | 104 | <0.1 | 5.7 | 14.9 | 1315 | 4.12 | <0.5 | 0.1 | <0.5 | 0.4 | 66 | <0.1 | 0.4 | <0.1 | 49 | 1.97 |
| 19716 | Drill Core | 8.93 | <0.1 | 58.3 | 2.6 | 96 | <0.1 | 6.6 | 16.9 | 1350 | 4.37 | 3.9 | 0.1 | <0.5 | 0.3 | 71 | <0.1 | 0.8 | <0.1 | 63 | 2.37 |
| 19717 | Drill Core | 8.09 | <0.1 | 42.1 | 1.8 | 105 | <0.1 | 3.1 | 11.6 | 1351 | 4.14 | 1.1 | 0.2 | <0.5 | 0.5 | 60 | <0.1 | 0.4 | <0.1 | 37 | 2.10 |
| 19718 | Drill Core | 8.53 | 0.1 | 107.2 | 2.0 | 131 | <0.1 | 10.0 | 24.1 | 1800 | 5.70 | 2.1 | 0.1 | <0.5 | 0.4 | 47 | <0.1 | 0.3 | <0.1 | 93 | 1.98 |
| 19719 | Drill Core | 8.41 | <0.1 | 18.7 | 2.9 | 87 | <0.1 | 3.6 | 10.4 | 1066 | 3.14 | 1.8 | 0.2 | 1.1 | 0.3 | 41 | 0.4 | 0.3 | <0.1 | 30 | 1.95 |
| 19720 | Drill Core | 8.89 | 0.6 | 40.3 | 4.9 | 109 | <0.1 | 8.6 | 16.3 | 1244 | 4.00 | 1.6 | 0.2 | <0.5 | 0.3 | 51 | 0.1 | 0.3 | <0.1 | 50 | 1.68 |
| 19721 | Drill Core | 9.43 | <0.1 | 4.7 | 2.7 | 122 | <0.1 | 17.6 | 13.9 | 863 | 3.33 | 3.1 | 0.5 | 1.4 | 0.4 | 291 | <0.1 | 0.6 | <0.1 | 78 | 2.14 |
| 19722 | Drill Core | 8.85 | 0.8 | 29.8 | 5.7 | 150 | <0.1 | 14.7 | 16.1 | 1200 | 3.61 | 3.4 | 0.3 | 1.0 | 0.3 | 223 | <0.1 | 0.4 | 0.2 | 66 | 2.21 |
| 19723 | Drill Core | 9.60 | 0.6 | 35.4 | 13.7 | 126 | <0.1 | 3.9 | 10.2 | 1213 | 3.71 | 1.5 | 0.2 | <0.5 | 0.3 | 42 | <0.1 | 0.3 | <0.1 | 28 | 1.44 |
| 19724 | Drill Core | 9.14 | 0.2 | 20.3 | 7.5 | 121 | 0.1 | 1.0 | 7.8 | 1328 | 3.87 | 3.4 | 0.2 | 1.2 | 0.4 | 34 | <0.1 | 0.3 | 0.1 | 17 | 1.24 |
| 19725 | Drill Core | 7.87 | <0.1 | 3.1 | 2.1 | 116 | <0.1 | 1.0 | 5.5 | 1093 | 2.81 | 1.1 | 0.2 | 1.9 | 0.3 | 39 | 0.4 | 0.2 | <0.1 | 14 | 1.01 |
| 19726 | Drill Core | 7.89 | 0.1 | 9.3 | 2.5 | 120 | <0.1 | 1.8 | 9.0 | 1383 | 3.56 | 1.4 | 0.2 | <0.5 | 0.4 | 44 | 0.2 | 0.3 | <0.1 | 22 | 1.56 |
| 19727 | Drill Core | 7.45 | 0.1 | 26.0 | 2.5 | 138 | <0.1 | 2.4 | 11.5 | 1693 | 4.87 | 1.7 | 0.1 | <0.5 | 0.4 | 38 | <0.1 | 0.4 | <0.1 | 27 | 1.36 |
| 19728 | Drill Core | 8.79 | 0.1 | 31.2 | 1.7 | 125 | <0.1 | 2.8 | 11.6 | 1671 | 4.68 | 1.8 | 0.1 | <0.5 | 0.4 | 48 | <0.1 | 0.4 | <0.1 | 33 | 1.80 |
| 19729 | Drill Core | 8.21 | <0.1 | 3.3 | 1.8 | 66 | <0.1 | 1.7 | 5.2 | 929 | 2.27 | 0.8 | <0.1 | 0.9 | 0.3 | 35 | 0.2 | 0.3 | <0.1 | 17 | 1.74 |
| 19730 | Rock Pulp | 0.09 | 17.3 | 7407 | 5138 | >10000 | 74.4 | 21.2 | 106.7 | 1402 | 35.30 | 1845 | 1.6 | 284.3 | <0.1 | 28 | 89.4 | 264.7 | 42.9 | 7 | 1.44 |

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Project: Ted Property
Report Date: January 22, 2010



# CERTIFICATE OF ANALYSIS SMI10000010.1

| Method | | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| Unit | | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| MDL | | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 |
| 19701 | Drill Core | 0.082 | 12 | 14 | 0.76 | 135 | 0.003 | <1 | 1.09 | 0.047 | 0.17 | <0.1 | <0.01 | 1.8 | <0.1 | 0.05 | 6 | <0.5 |
| 19702 | Drill Core | 0.054 | 3 | 10 | 0.76 | 49 | 0.139 | <1 | 1.68 | 0.063 | 0.10 | <0.1 | 0.01 | 5.8 | <0.1 | <0.05 | 6 | <0.5 |
| 19703 | Drill Core | 0.059 | 3 | 7 | 0.93 | 48 | 0.152 | 1 | 2.18 | 0.069 | 0.11 | <0.1 | <0.01 | 7.0 | <0.1 | <0.05 | 7 | <0.5 |
| 19704 | Drill Core | 0.058 | 3 | 8 | 0.88 | 68 | 0.139 | <1 | 2.01 | 0.046 | 0.14 | 0.1 | <0.01 | 6.2 | <0.1 | 0.06 | 6 | <0.5 |
| 19705 | Drill Core | 0.057 | 3 | 7 | 0.84 | 50 | 0.114 | <1 | 1.90 | 0.042 | 0.12 | <0.1 | 0.02 | 6.4 | <0.1 | <0.05 | 6 | <0.5 |
| 19706 | Drill Core | 0.051 | 3 | 8 | 0.77 | 59 | 0.095 | <1 | 1.79 | 0.047 | 0.12 | <0.1 | <0.01 | 6.0 | <0.1 | <0.05 | 6 | <0.5 |
| 19707 | Drill Core | 0.059 | 3 | 7 | 0.80 | 60 | 0.127 | 1 | 1.97 | 0.065 | 0.14 | <0.1 | <0.01 | 7.0 | <0.1 | <0.05 | 6 | <0.5 |
| 19708 | Drill Core | 0.069 | 3 | 20 | 1.65 | 285 | 0.165 | 1 | 2.71 | 0.040 | 0.08 | 0.1 | <0.01 | 10.9 | <0.1 | <0.05 | 9 | <0.5 |
| 19709 | Drill Core | 0.087 | 11 | 19 | 0.83 | 179 | 0.022 | <1 | 1.06 | 0.054 | 0.15 | <0.1 | <0.01 | 2.2 | <0.1 | <0.05 | 6 | <0.5 |
| 19710 | Drill Core | 0.082 | 12 | 9 | 0.55 | 190 | 0.149 | <1 | 1.04 | 0.091 | 0.51 | 0.1 | <0.01 | 2.3 | 0.3 | <0.05 | 5 | <0.5 |
| 19711 | Drill Core | 0.086 | 11 | 18 | 0.81 | 330 | 0.020 | <1 | 1.12 | 0.055 | 0.16 | <0.1 | <0.01 | 2.6 | <0.1 | <0.05 | 6 | <0.5 |
| 19712 | Drill Core | 0.053 | 3 | 8 | 0.87 | 96 | 0.093 | 1 | 2.06 | 0.066 | 0.15 | <0.1 | <0.01 | 7.0 | <0.1 | <0.05 | 6 | <0.5 |
| 19713 | Drill Core | 0.057 | 4 | 8 | 0.90 | 146 | 0.057 | <1 | 2.12 | 0.041 | 0.15 | <0.1 | <0.01 | 7.1 | <0.1 | <0.05 | 6 | <0.5 |
| 19714 | Drill Core | 0.056 | 3 | 7 | 0.86 | 109 | 0.080 | 1 | 2.04 | 0.051 | 0.13 | <0.1 | <0.01 | 7.0 | <0.1 | <0.05 | 6 | <0.5 |
| 19715 | Drill Core | 0.056 | 3 | 10 | 1.09 | 75 | 0.065 | <1 | 2.49 | 0.040 | 0.15 | <0.1 | <0.01 | 9.0 | <0.1 | <0.05 | 7 | <0.5 |
| 19716 | Drill Core | 0.055 | 3 | 12 | 1.26 | 30 | 0.113 | 2 | 2.49 | 0.038 | 0.06 | <0.1 | <0.01 | 9.4 | <0.1 | 0.12 | 8 | <0.5 |
| 19717 | Drill Core | 0.073 | 4 | 8 | 1.10 | 36 | 0.113 | <1 | 2.39 | 0.054 | 0.08 | <0.1 | <0.01 | 9.1 | <0.1 | 0.09 | 8 | <0.5 |
| 19718 | Drill Core | 0.061 | 3 | 17 | 1.72 | 38 | 0.125 | 2 | 3.25 | 0.026 | 0.13 | 0.1 | <0.01 | 10.8 | <0.1 | <0.05 | 8 | <0.5 |
| 19719 | Drill Core | 0.040 | 3 | 7 | 0.77 | 98 | 0.087 | 1 | 1.79 | 0.031 | 0.14 | <0.1 | <0.01 | 6.2 | <0.1 | <0.05 | 5 | <0.5 |
| 19720 | Drill Core | 0.056 | 3 | 15 | 1.18 | 136 | 0.167 | <1 | 2.27 | 0.032 | 0.10 | 0.1 | <0.01 | 6.4 | <0.1 | <0.05 | 7 | <0.5 |
| 19721 | Drill Core | 0.111 | 6 | 33 | 1.44 | 146 | 0.150 | <1 | 1.61 | 0.055 | 0.10 | <0.1 | <0.01 | 3.8 | <0.1 | <0.05 | 8 | <0.5 |
| 19722 | Drill Core | 0.090 | 5 | 25 | 1.33 | 151 | 0.161 | <1 | 1.93 | 0.052 | 0.11 | 0.1 | <0.01 | 4.8 | <0.1 | <0.05 | 8 | <0.5 |
| 19723 | Drill Core | 0.076 | 3 | 10 | 1.00 | 18 | 0.179 | <1 | 1.97 | 0.057 | 0.08 | 0.1 | <0.01 | 6.5 | <0.1 | 0.09 | 7 | <0.5 |
| 19724 | Drill Core | 0.078 | 3 | 3 | 0.93 | 26 | 0.167 | 2 | 1.99 | 0.043 | 0.11 | 0.1 | <0.01 | 6.1 | <0.1 | 0.06 | 6 | <0.5 |
| 19725 | Drill Core | 0.067 | 2 | 4 | 0.64 | 49 | 0.171 | 1 | 1.54 | 0.040 | 0.11 | 0.2 | <0.01 | 5.4 | <0.1 | <0.05 | 5 | <0.5 |
| 19726 | Drill Core | 0.071 | 3 | 3 | 0.87 | 64 | 0.164 | <1 | 1.98 | 0.033 | 0.13 | 0.2 | <0.01 | 6.3 | <0.1 | <0.05 | 6 | <0.5 |
| 19727 | Drill Core | 0.078 | 3 | 3 | 1.16 | 82 | 0.047 | 1 | 2.62 | 0.032 | 0.19 | <0.1 | <0.01 | 8.7 | <0.1 | <0.05 | 8 | <0.5 |
| 19728 | Drill Core | 0.071 | 3 | 4 | 1.18 | 249 | 0.110 | <1 | 2.50 | 0.041 | 0.12 | 0.1 | <0.01 | 9.5 | <0.1 | <0.05 | 8 | <0.5 |
| 19729 | Drill Core | 0.047 | 4 | 6 | 0.49 | 35 | 0.029 | 1 | 1.29 | 0.043 | 0.11 | <0.1 | <0.01 | 4.5 | <0.1 | <0.05 | 5 | <0.5 |
| 19730 | Rock Pulp | 0.010 | <1 | 31 | 0.56 | 1 | <0.001 | <1 | 0.08 | 0.003 | <0.01 | 0.8 | 10.77 | 0.3 | 16.2 | >10 | 2 | >100 |

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Project: Ted Property
Report Date: January 22, 2010

Page: 8 of 8 Part 1

# CERTIFICATE OF ANALYSIS SMI10000010.1

| | Method | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| 19731 | Drill Core | 7.54 | 0.8 | 5.5 | 3.1 | 59 | <0.1 | 1.4 | 3.6 | 764 | 1.96 | 1.0 | 0.1 | <0.5 | 0.4 | 33 | 0.1 | 0.4 | <0.1 | 13 | 1.69 |
| 19732 | Drill Core | 8.77 | 0.5 | 41.7 | 7.8 | 149 | 0.2 | 3.9 | 13.1 | 1615 | 4.52 | 1.4 | 0.1 | 4.6 | 0.4 | 45 | 0.1 | 0.4 | 0.1 | 37 | 2.52 |
| 19733 | Drill Core | 7.57 | 0.2 | 52.2 | 7.5 | 167 | 0.2 | 3.2 | 11.2 | 1303 | 4.50 | 5.7 | <0.1 | 2.5 | 0.3 | 39 | 0.4 | 0.4 | 0.1 | 32 | 2.08 |
| 19734 | Drill Core | 8.55 | 0.2 | 20.6 | 4.7 | 115 | <0.1 | 3.7 | 9.2 | 1146 | 3.39 | 2.5 | 0.1 | 1.4 | 0.4 | 43 | 0.2 | 0.3 | 0.2 | 23 | 2.41 |
| 19735 | Drill Core | 8.47 | 0.2 | 39.5 | 73.7 | 204 | 0.2 | 1.6 | 5.9 | 1389 | 3.11 | 4.7 | 0.1 | 1.8 | 0.4 | 38 | 0.8 | 0.5 | 0.2 | 14 | 2.14 |
| 19736 | Drill Core | 7.87 | 1.1 | 16.0 | 14.0 | 253 | 0.1 | 0.2 | 5.1 | 1842 | 4.11 | 2.1 | 0.1 | 1.2 | 0.4 | 40 | 0.8 | 0.8 | 0.2 | 10 | 1.80 |
| 19737 | Drill Core | 8.72 | 1.0 | 16.1 | 14.6 | 120 | <0.1 | 6.6 | 9.7 | 1404 | 3.05 | 1.9 | 0.8 | 1.7 | 0.8 | 78 | <0.1 | 0.2 | 0.2 | 45 | 3.19 |
| 19738 | Drill Core | 8.14 | 0.5 | 13.6 | 25.5 | 107 | <0.1 | 5.1 | 8.4 | 1291 | 2.92 | 1.6 | 0.6 | 1.8 | 0.6 | 77 | 0.1 | 0.2 | 0.2 | 35 | 2.89 |
| 19739 | Drill Core | 7.03 | <0.1 | 8.3 | 2.5 | 156 | <0.1 | 1.7 | 7.5 | 1305 | 3.77 | <0.5 | 0.1 | 0.8 | 0.4 | 39 | <0.1 | 0.2 | <0.1 | 19 | 2.13 |

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**Project:** Ted Property
**Report Date:** January 22, 2010



## CERTIFICATE OF ANALYSIS SMI10000010.1

| | Method | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | Unit | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | MDL | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 |
| 19731 | Drill Core | 0.050 | 5 | 5 | 0.41 | 71 | 0.014 | <1 | 1.14 | 0.044 | 0.16 | <0.1 | 0.03 | 4.2 | <0.1 | <0.05 | 4 | <0.5 |
| 19732 | Drill Core | 0.081 | 5 | 6 | 1.05 | 69 | 0.046 | <1 | 2.56 | 0.034 | 0.19 | 0.2 | 0.02 | 7.8 | <0.1 | <0.05 | 8 | <0.5 |
| 19733 | Drill Core | 0.072 | 5 | 5 | 0.99 | 58 | 0.006 | <1 | 2.41 | 0.028 | 0.20 | <0.1 | 0.01 | 6.5 | <0.1 | <0.05 | 7 | <0.5 |
| 19734 | Drill Core | 0.052 | 4 | 7 | 0.71 | 100 | 0.014 | <1 | 1.89 | 0.031 | 0.22 | <0.1 | 0.01 | 5.1 | <0.1 | <0.05 | 5 | <0.5 |
| 19735 | Drill Core | 0.065 | 3 | 4 | 0.62 | 42 | 0.079 | <1 | 1.56 | 0.037 | 0.17 | 0.4 | 0.02 | 5.1 | <0.1 | <0.05 | 5 | <0.5 |
| 19736 | Drill Core | 0.090 | 3 | 3 | 0.84 | 218 | 0.152 | <1 | 1.80 | 0.059 | 0.10 | 0.4 | 0.01 | 6.9 | <0.1 | <0.05 | 8 | <0.5 |
| 19737 | Drill Core | 0.122 | 13 | 10 | 0.85 | 480 | 0.009 | <1 | 1.38 | 0.041 | 0.24 | <0.1 | <0.01 | 3.1 | <0.1 | <0.05 | 6 | <0.5 |
| 19738 | Drill Core | 0.100 | 9 | 9 | 0.74 | 969 | 0.025 | 1 | 1.36 | 0.036 | 0.19 | <0.1 | <0.01 | 3.5 | 0.1 | <0.05 | 6 | <0.5 |
| 19739 | Drill Core | 0.072 | 4 | 3 | 0.81 | 44 | 0.032 | <1 | 2.01 | 0.045 | 0.14 | <0.1 | 0.01 | 6.3 | <0.1 | <0.05 | 7 | <0.5 |

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Project: Ted Property
Report Date: January 22, 2010



# QUALITY CONTROL REPORT SMI10000010.1

| | Method | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 19579 | Drill Core | 8.27 | 3.9 | 46.8 | 4.7 | 119 | 0.1 | 9.5 | 9.7 | 1651 | 2.53 | 24.2 | 1.1 | <0.5 | 1.5 | 79 | <0.1 | 0.7 | 0.2 | 38 | 3.41 |
| REP 19579 | QC | | 3.9 | 46.3 | 4.8 | 120 | 0.1 | 9.9 | 9.8 | 1651 | 2.53 | 24.3 | 1.1 | 0.6 | 1.4 | 79 | <0.1 | 0.7 | 0.2 | 39 | 3.40 |
| 19616 | Drill Core | 8.67 | 0.1 | 45.5 | 1.5 | 105 | <0.1 | 5.7 | 15.3 | 1221 | 4.04 | 2.4 | 0.2 | <0.5 | 0.3 | 36 | <0.1 | 0.1 | <0.1 | 41 | 1.36 |
| REP 19616 | QC | | 0.1 | 44.3 | 1.4 | 104 | <0.1 | 5.3 | 15.2 | 1232 | 4.09 | 2.4 | 0.1 | <0.5 | 0.3 | 37 | <0.1 | 0.1 | <0.1 | 42 | 1.39 |
| 19651 | Drill Core | 7.67 | <0.1 | 0.9 | 1.5 | 101 | <0.1 | 11.3 | 10.5 | 1662 | 2.77 | 4.5 | 0.9 | 2.3 | 1.0 | 75 | <0.1 | 0.6 | <0.1 | 53 | 1.23 |
| REP 19651 | QC | | 0.1 | 0.6 | 1.4 | 110 | <0.1 | 11.7 | 10.6 | 1698 | 2.79 | 4.7 | 0.8 | 1.7 | 1.0 | 75 | <0.1 | 0.6 | <0.1 | 54 | 1.23 |
| 19668 | Drill Core | 8.46 | <0.1 | 34.8 | 1.8 | 96 | <0.1 | 3.5 | 9.3 | 1046 | 2.97 | <0.5 | 0.2 | <0.5 | 0.3 | 42 | <0.1 | 0.2 | <0.1 | 26 | 1.32 |
| REP 19668 | QC | | 0.1 | 34.4 | 1.7 | 94 | <0.1 | 3.5 | 9.8 | 1057 | 2.97 | <0.5 | 0.2 | <0.5 | 0.4 | 42 | <0.1 | 0.2 | <0.1 | 26 | 1.33 |
| 19706 | Drill Core | 9.31 | 0.3 | 28.2 | 2.0 | 187 | 0.2 | 4.1 | 9.0 | 1181 | 3.17 | 3.5 | 0.1 | 0.6 | 0.4 | 48 | 0.5 | 0.3 | 0.1 | 30 | 1.86 |
| REP 19706 | QC | | 0.3 | 28.6 | 2.0 | 181 | 0.2 | 3.8 | 8.8 | 1187 | 3.16 | 3.4 | 0.2 | 1.5 | 0.4 | 47 | 0.5 | 0.3 | 0.1 | 30 | 1.87 |
| 19724 | Drill Core | 9.14 | 0.2 | 20.3 | 7.5 | 121 | 0.1 | 1.0 | 7.8 | 1328 | 3.87 | 3.4 | 0.2 | 1.2 | 0.4 | 34 | <0.1 | 0.3 | 0.1 | 17 | 1.24 |
| REP 19724 | QC | | 0.2 | 20.3 | 7.2 | 130 | 0.1 | 1.0 | 7.6 | 1366 | 3.94 | 3.3 | 0.2 | <0.5 | 0.4 | 33 | <0.1 | 0.3 | 0.1 | 17 | 1.27 |
| Core Reject Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 19557 | Drill Core | 8.68 | 0.3 | 27.0 | 3.7 | 108 | 0.1 | 2.5 | 10.6 | 1563 | 4.14 | 6.4 | 0.2 | 2.6 | 0.3 | 19 | 0.2 | 0.3 | 0.1 | 27 | 1.92 |
| DUP 19557 | QC | | 0.3 | 29.6 | 4.0 | 112 | 0.1 | 3.0 | 10.4 | 1575 | 4.17 | 6.6 | 0.2 | 2.4 | 0.3 | 20 | 0.2 | 0.3 | 0.2 | 27 | 1.98 |
| 19592 | Drill Core | 7.50 | 0.1 | 14.8 | 2.2 | 100 | <0.1 | 3.1 | 12.6 | 1480 | 4.32 | 2.2 | <0.1 | <0.5 | 0.3 | 52 | <0.1 | 0.4 | <0.1 | 43 | 2.07 |
| DUP 19592 | QC | | 0.1 | 14.7 | 2.2 | 101 | <0.1 | 3.4 | 11.9 | 1469 | 4.28 | 2.3 | <0.1 | 0.6 | 0.3 | 52 | <0.1 | 0.4 | <0.1 | 42 | 2.07 |
| 19627 | Drill Core | 8.42 | 0.1 | 28.0 | 1.6 | 90 | <0.1 | 3.5 | 9.9 | 1019 | 3.00 | <0.5 | 0.2 | 1.0 | 0.3 | 33 | 0.2 | 0.2 | <0.1 | 25 | 1.29 |
| DUP 19627 | QC | | 0.2 | 26.9 | 1.7 | 89 | <0.1 | 3.6 | 9.4 | 1011 | 2.94 | <0.5 | 0.2 | 1.4 | 0.3 | 32 | 0.2 | 0.2 | <0.1 | 23 | 1.27 |
| 19662 | Drill Core | 8.77 | <0.1 | 32.0 | 2.1 | 102 | <0.1 | 3.5 | 10.2 | 1146 | 3.36 | <0.5 | 0.2 | <0.5 | 0.4 | 47 | <0.1 | 0.3 | <0.1 | 26 | 1.35 |
| DUP 19662 | QC | | <0.1 | 33.9 | 2.4 | 102 | <0.1 | 3.6 | 10.0 | 1110 | 3.33 | <0.5 | 0.2 | <0.5 | 0.4 | 44 | 0.1 | 0.3 | <0.1 | 26 | 1.26 |
| 19697 | Drill Core | 7.47 | 0.1 | 36.3 | 2.2 | 115 | <0.1 | 4.8 | 14.2 | 1406 | 4.04 | 2.1 | 0.1 | 0.7 | 0.3 | 75 | <0.1 | 0.3 | <0.1 | 42 | 2.09 |
| DUP 19697 | QC | | 0.2 | 37.0 | 2.9 | 114 | <0.1 | 5.2 | 13.8 | 1400 | 4.08 | 2.3 | 0.1 | 1.0 | 0.4 | 81 | <0.1 | 0.4 | <0.1 | 42 | 2.18 |
| 19732 | Drill Core | 8.77 | 0.5 | 41.7 | 7.8 | 149 | 0.2 | 3.9 | 13.1 | 1615 | 4.52 | 1.4 | 0.1 | 4.6 | 0.4 | 45 | 0.1 | 0.4 | 0.1 | 37 | 2.52 |
| DUP 19732 | QC | | 0.5 | 41.4 | 7.5 | 147 | 0.2 | 4.1 | 12.9 | 1635 | 4.68 | 1.4 | 0.1 | 5.9 | 0.4 | 48 | 0.2 | 0.3 | 0.1 | 38 | 2.54 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS7 | Standard | | 20.7 | 103.1 | 70.3 | 405 | 0.8 | 51.1 | 8.6 | 590 | 2.31 | 54.8 | 4.7 | 62.1 | 4.1 | 75 | 6.5 | 6.0 | 4.8 | 81 | 0.96 |
| STD DS7 | Standard | | 20.7 | 103.4 | 66.1 | 395 | 0.8 | 53.5 | 8.3 | 573 | 2.26 | 54.4 | 4.5 | 72.4 | 4.0 | 77 | 6.3 | 5.9 | 4.5 | 78 | 0.94 |

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# QUALITY CONTROL REPORT SMI10000010.1

| | Method | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | Unit | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | MDL | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | |
| 19579 | Drill Core | 0.079 | 14 | 16 | 0.81 | 132 | 0.002 | 1 | 1.22 | 0.023 | 0.13 | <0.1 | <0.01 | 2.3 | <0.1 | 0.12 | 7 | <0.5 |
| REP 19579 | QC | 0.077 | 13 | 16 | 0.82 | 134 | 0.002 | <1 | 1.23 | 0.023 | 0.13 | <0.1 | <0.01 | 2.2 | <0.1 | 0.12 | 7 | <0.5 |
| 19616 | Drill Core | 0.063 | 2 | 11 | 1.18 | 29 | 0.148 | <1 | 2.15 | 0.026 | 0.09 | 0.1 | <0.01 | 5.9 | <0.1 | <0.05 | 6 | <0.5 |
| REP 19616 | QC | 0.067 | 2 | 11 | 1.20 | 30 | 0.157 | <1 | 2.19 | 0.026 | 0.09 | <0.1 | <0.01 | 5.8 | <0.1 | <0.05 | 6 | <0.5 |
| 19651 | Drill Core | 0.096 | 7 | 23 | 1.07 | 35 | 0.088 | 2 | 1.31 | 0.054 | 0.09 | 0.2 | <0.01 | 2.3 | <0.1 | <0.05 | 9 | <0.5 |
| REP 19651 | QC | 0.104 | 7 | 23 | 1.10 | 36 | 0.087 | 3 | 1.33 | 0.054 | 0.10 | 0.2 | <0.01 | 2.4 | <0.1 | <0.05 | 9 | <0.5 |
| 19668 | Drill Core | 0.064 | 3 | 8 | 0.83 | 82 | 0.138 | 1 | 1.78 | 0.040 | 0.16 | 0.1 | <0.01 | 5.6 | <0.1 | <0.05 | 6 | <0.5 |
| REP 19668 | QC | 0.065 | 3 | 7 | 0.83 | 76 | 0.140 | 2 | 1.82 | 0.042 | 0.15 | 0.1 | <0.01 | 5.4 | <0.1 | <0.05 | 6 | <0.5 |
| 19706 | Drill Core | 0.051 | 3 | 8 | 0.77 | 59 | 0.095 | <1 | 1.79 | 0.047 | 0.12 | <0.1 | <0.01 | 6.0 | <0.1 | <0.05 | 6 | <0.5 |
| REP 19706 | QC | 0.051 | 3 | 8 | 0.77 | 58 | 0.099 | 1 | 1.79 | 0.041 | 0.12 | <0.1 | <0.01 | 6.1 | <0.1 | <0.05 | 6 | <0.5 |
| 19724 | Drill Core | 0.078 | 3 | 3 | 0.93 | 26 | 0.167 | 2 | 1.99 | 0.043 | 0.11 | 0.1 | <0.01 | 6.1 | <0.1 | 0.06 | 6 | <0.5 |
| REP 19724 | QC | 0.078 | 3 | 3 | 0.95 | 26 | 0.172 | <1 | 2.00 | 0.044 | 0.11 | 0.2 | <0.01 | 6.4 | <0.1 | 0.06 | 7 | <0.5 |
| Core Reject Duplicates | | | | | | | | | | | | | | | | | | |
| 19557 | Drill Core | 0.082 | 5 | 4 | 0.94 | 44 | 0.020 | <1 | 2.16 | 0.036 | 0.13 | 0.1 | 0.01 | 7.0 | <0.1 | 0.12 | 7 | <0.5 |
| DUP 19557 | QC | 0.084 | 5 | 5 | 0.95 | 52 | 0.021 | <1 | 2.19 | 0.038 | 0.14 | 0.1 | <0.01 | 7.1 | <0.1 | 0.13 | 8 | <0.5 |
| 19592 | Drill Core | 0.056 | 3 | 7 | 1.04 | 80 | 0.036 | <1 | 2.26 | 0.034 | 0.09 | <0.1 | <0.01 | 7.8 | <0.1 | 0.16 | 7 | <0.5 |
| DUP 19592 | QC | 0.057 | 3 | 7 | 1.03 | 87 | 0.037 | <1 | 2.29 | 0.039 | 0.09 | 0.1 | <0.01 | 7.7 | <0.1 | 0.13 | 7 | <0.5 |
| 19627 | Drill Core | 0.057 | 3 | 7 | 0.81 | 395 | 0.140 | <1 | 1.71 | 0.032 | 0.16 | 0.2 | <0.01 | 5.1 | <0.1 | <0.05 | 5 | <0.5 |
| DUP 19627 | QC | 0.056 | 2 | 7 | 0.81 | 353 | 0.134 | <1 | 1.67 | 0.025 | 0.15 | 0.1 | <0.01 | 4.9 | <0.1 | <0.05 | 5 | <0.5 |
| 19662 | Drill Core | 0.072 | 3 | 6 | 0.92 | 142 | 0.108 | 2 | 2.00 | 0.033 | 0.19 | <0.1 | <0.01 | 6.1 | <0.1 | <0.05 | 6 | <0.5 |
| DUP 19662 | QC | 0.071 | 3 | 6 | 0.90 | 122 | 0.108 | 2 | 1.98 | 0.035 | 0.18 | <0.1 | <0.01 | 6.1 | <0.1 | <0.05 | 6 | <0.5 |
| 19697 | Drill Core | 0.063 | 3 | 9 | 1.10 | 46 | 0.079 | 1 | 2.36 | 0.047 | 0.11 | 0.2 | <0.01 | 7.2 | <0.1 | 0.06 | 7 | <0.5 |
| DUP 19697 | QC | 0.062 | 4 | 8 | 1.11 | 49 | 0.090 | 1 | 2.39 | 0.042 | 0.11 | 0.1 | <0.01 | 7.7 | <0.1 | 0.06 | 7 | <0.5 |
| 19732 | Drill Core | 0.081 | 5 | 6 | 1.05 | 69 | 0.046 | <1 | 2.56 | 0.034 | 0.19 | 0.2 | 0.02 | 7.8 | <0.1 | <0.05 | 8 | <0.5 |
| DUP 19732 | QC | 0.084 | 5 | 7 | 1.07 | 69 | 0.052 | 1 | 2.62 | 0.035 | 0.20 | 0.2 | 0.02 | 8.4 | <0.1 | <0.05 | 8 | <0.5 |
| Reference Materials | | | | | | | | | | | | | | | | | | |
| STD DS7 | Standard | 0.080 | 12 | 179 | 1.00 | 379 | 0.117 | 41 | 0.96 | 0.087 | 0.40 | 3.6 | 0.19 | 2.2 | 4.0 | 0.20 | 4 | 3.0 |
| STD DS7 | Standard | 0.083 | 12 | 178 | 0.97 | 374 | 0.116 | 41 | 0.94 | 0.086 | 0.42 | 3.5 | 0.18 | 2.3 | 3.9 | 0.19 | 4 | 3.5 |

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## QUALITY CONTROL REPORT SMI10000010.1

| | | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| STD DS7 | Standard | | 21.8 | 105.5 | 70.6 | 401 | 0.9 | 56.2 | 8.9 | 627 | 2.36 | 55.9 | 5.1 | 73.6 | 4.5 | 82 | 6.7 | 6.5 | 4.8 | 83 | 1.01 |
| STD DS7 | Standard | | 20.4 | 102.9 | 67.7 | 394 | 0.8 | 55.0 | 8.5 | 582 | 2.24 | 54.5 | 4.8 | 56.8 | 4.3 | 75 | 6.5 | 6.4 | 4.8 | 78 | 0.95 |
| STD DS7 | Standard | | 20.3 | 110.6 | 67.6 | 391 | 0.8 | 57.4 | 9.3 | 613 | 2.38 | 50.8 | 4.9 | 62.3 | 4.6 | 72 | 6.1 | 5.9 | 4.8 | 82 | 0.99 |
| STD DS7 | Standard | | 21.6 | 112.9 | 64.9 | 392 | 0.9 | 58.0 | 9.7 | 625 | 2.38 | 52.4 | 5.1 | 71.6 | 4.7 | 78 | 6.4 | 6.0 | 4.7 | 83 | 1.00 |
| STD DS7 | Standard | | 19.9 | 112.4 | 65.0 | 393 | 0.8 | 55.1 | 9.0 | 616 | 2.33 | 54.6 | 5.0 | 61.8 | 4.5 | 72 | 6.7 | 6.1 | 5.0 | 82 | 0.97 |
| STD DS7 | Standard | | 20.0 | 113.4 | 65.2 | 387 | 0.8 | 58.5 | 9.5 | 603 | 2.31 | 51.3 | 5.0 | 59.3 | 4.4 | 72 | 6.2 | 5.9 | 4.8 | 82 | 0.98 |
| STD DS7 | Standard | | 20.9 | 105.9 | 69.1 | 419 | 0.8 | 55.2 | 9.4 | 628 | 2.37 | 54.2 | 5.1 | 158.1 | 4.6 | 75 | 6.4 | 6.2 | 4.8 | 81 | 1.01 |
| STD DS7 | Standard | | 19.9 | 107.1 | 66.2 | 390 | 0.8 | 53.3 | 9.3 | 601 | 2.32 | 53.4 | 4.8 | 68.1 | 4.3 | 72 | 6.0 | 6.0 | 4.7 | 80 | 0.99 |
| STD DS7 | Standard | | 19.7 | 105.9 | 64.0 | 383 | 0.9 | 54.7 | 9.0 | 594 | 2.28 | 50.8 | 4.4 | 76.7 | 4.4 | 75 | 6.1 | 5.7 | 4.7 | 79 | 0.96 |
| STD DS7 | Standard | | 19.7 | 105.5 | 60.8 | 375 | 0.8 | 53.3 | 8.9 | 592 | 2.24 | 51.8 | 4.6 | 53.1 | 4.2 | 75 | 6.2 | 5.8 | 4.6 | 79 | 0.95 |
| STD DS7 | Standard | | 19.3 | 101.7 | 68.6 | 361 | 0.7 | 51.3 | 8.3 | 605 | 2.34 | 46.3 | 5.1 | 55.2 | 4.6 | 73 | 6.6 | 5.7 | 4.6 | 79 | 0.94 |
| STD DS7 | Standard | | 20.7 | 101.8 | 68.3 | 373 | 0.8 | 52.2 | 8.9 | 620 | 2.39 | 49.9 | 5.3 | 64.0 | 4.8 | 79 | 6.5 | 6.0 | 4.7 | 80 | 0.94 |
| STD DS7 Expected | | | 20.5 | 109 | 70.6 | 411 | 0.9 | 56 | 9.7 | 627 | 2.39 | 48.2 | 4.9 | 70 | 4.4 | 69 | 6.4 | 4.6 | 4.5 | 84 | 0.93 |
| BLK | Blank | | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| BLK | Blank | | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| BLK | Blank | | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| BLK | Blank | | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| BLK | Blank | | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| BLK | Blank | | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| BLK | Blank | | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| Prep Wash | | | | | | | | | | | | | | | | | | | | | |
| G1 | Prep Blank | | 0.9 | 4.3 | 3.1 | 45 | <0.1 | 12.6 | 4.5 | 570 | 1.89 | <0.5 | 1.9 | 6.7 | 5.5 | 45 | <0.1 | <0.1 | 0.2 | 37 | 0.46 |
| G1 | Prep Blank | | 0.7 | 3.9 | 3.3 | 44 | <0.1 | 10.5 | 4.6 | 590 | 1.92 | <0.5 | 2.0 | 2.6 | 5.8 | 51 | <0.1 | <0.1 | 0.2 | 39 | 0.54 |

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## QUALITY CONTROL REPORT SMI10000010.1

| | | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 |
| STD DS7 | Standard | 0.090 | 14 | 199 | 1.03 | 400 | 0.134 | 43 | 1.03 | 0.093 | 0.46 | 4.3 | 0.19 | 2.4 | 4.2 | 0.20 | 5 | 3.5 |
| STD DS7 | Standard | 0.089 | 12 | 177 | 0.99 | 380 | 0.121 | 36 | 0.96 | 0.089 | 0.41 | 3.9 | 0.18 | 2.3 | 3.9 | 0.20 | 5 | 3.6 |
| STD DS7 | Standard | 0.076 | 13 | 195 | 1.02 | 392 | 0.134 | 40 | 1.01 | 0.091 | 0.40 | 3.9 | 0.21 | 2.3 | 4.2 | 0.20 | 5 | 3.3 |
| STD DS7 | Standard | 0.079 | 13 | 195 | 1.03 | 405 | 0.139 | 42 | 1.01 | 0.093 | 0.43 | 4.2 | 0.20 | 2.4 | 4.2 | 0.20 | 5 | 3.9 |
| STD DS7 | Standard | 0.082 | 12 | 192 | 1.02 | 378 | 0.127 | 43 | 0.98 | 0.087 | 0.41 | 3.6 | 0.18 | 2.3 | 4.2 | 0.21 | 4 | 3.3 |
| STD DS7 | Standard | 0.074 | 13 | 191 | 1.00 | 381 | 0.133 | 37 | 0.99 | 0.089 | 0.39 | 4.0 | 0.19 | 2.4 | 4.1 | 0.20 | 5 | 3.4 |
| STD DS7 | Standard | 0.080 | 13 | 191 | 1.04 | 394 | 0.125 | 43 | 1.01 | 0.092 | 0.42 | 4.1 | 0.23 | 2.4 | 4.3 | 0.21 | 5 | 3.6 |
| STD DS7 | Standard | 0.078 | 12 | 182 | 1.00 | 373 | 0.123 | 42 | 0.99 | 0.090 | 0.41 | 3.8 | 0.20 | 2.4 | 4.2 | 0.20 | 5 | 3.5 |
| STD DS7 | Standard | 0.077 | 13 | 185 | 1.00 | 404 | 0.131 | 39 | 0.99 | 0.089 | 0.40 | 3.9 | 0.19 | 2.3 | 4.1 | 0.19 | 5 | 3.9 |
| STD DS7 | Standard | 0.076 | 12 | 185 | 0.99 | 384 | 0.126 | 39 | 0.97 | 0.088 | 0.41 | 3.9 | 0.20 | 2.2 | 4.0 | 0.19 | 4 | 3.6 |
| STD DS7 | Standard | 0.070 | 13 | 188 | 1.01 | 389 | 0.142 | 38 | 1.02 | 0.095 | 0.45 | 3.7 | 0.17 | 2.3 | 3.8 | 0.18 | 5 | 3.1 |
| STD DS7 | Standard | 0.075 | 13 | 196 | 1.01 | 401 | 0.150 | 36 | 1.04 | 0.096 | 0.45 | 3.9 | 0.17 | 2.4 | 3.8 | 0.19 | 5 | 3.5 |
| STD DS7 Expected | | 0.08 | 12 | 179 | 1.05 | 370 | 0.124 | 39 | 0.959 | 0.089 | 0.44 | 3.4 | 0.2 | 2.5 | 4.2 | 0.19 | 5 | 3.5 |
| BLK | Blank | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 |
| BLK | Blank | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 |
| BLK | Blank | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 |
| BLK | Blank | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 |
| BLK | Blank | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 |
| BLK | Blank | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 |
| BLK | Blank | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 |
| Prep Wash | | | | | | | | | | | | | | | | | | |
| G1 | Prep Blank | 0.078 | 10 | 26 | 0.54 | 180 | 0.142 | 2 | 0.86 | 0.056 | 0.46 | 0.4 | <0.01 | 1.8 | 0.3 | <0.05 | 5 | <0.5 |
| G1 | Prep Blank | 0.080 | 13 | 24 | 0.56 | 177 | 0.155 | 1 | 0.92 | 0.072 | 0.48 | 0.4 | <0.01 | 2.1 | 0.4 | <0.05 | 5 | <0.5 |

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**Client:** **Nanika Resources Inc**
#725, 625 Howe Street
Vancouver BC V6C 2T6 Canada

| | |
|---|---|
| Submitted By: | James Jacuta |
| Receiving Lab: | Canada-Smithers |
| Received: | February 01, 2010 |
| Report Date: | February 15, 2010 |
| Page: | 1 of 3 |

# CERTIFICATE OF ANALYSIS SMI10000024.1

## CLIENT JOB INFORMATION

| | |
|---|---|
| Project: | Sweeny |
| Shipment ID: | |
| P.O. Number | |
| Number of Samples: | 31 |

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|---|---|---|---|---|---|
| R200-250 | 31 | Crush split and pulverize 250g drill core to 200 mesh | | | SMI |
| 1DX3 | 31 | 1:1:1 Aqua Regia digestion ICP-MS analysis | 30 | Completed | VAN |

## SAMPLE DISPOSAL

| | |
|---|---|
| STOR-PLP | Store After 90 days Invoice for Storage |
| DISP-RJT | Dispose of Reject After 90 days |

## ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Nanika Resources Inc
#725, 625 Howe Street
Vancouver BC V6C 2T6
Canada

CC: Don MacIntyre


This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: Nanika Resources Inc
#725, 625 Howe Street
Vancouver BC V6C 2T6 Canada

Project: Sweeny
Report Date: February 15, 2010



# CERTIFICATE OF ANALYSIS

SMI10000024.1

| | Method | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| 19831 | Drill Core | 7.92 | 6.8 | 389.9 | 18.0 | 93 | 0.3 | 13.1 | 31.6 | 1223 | 5.34 | 4.1 | 0.5 | 15.4 | 0.3 | 118 | 0.3 | 0.5 | 0.8 | 156 | 3.56 |
| 19832 | Drill Core | 9.98 | 8.7 | 341.4 | 4.7 | 44 | 0.3 | 13.9 | 39.2 | 748 | 5.71 | 3.0 | 0.5 | 2.4 | 0.2 | 123 | <0.1 | 0.4 | 0.7 | 167 | 3.27 |
| 19833 | Drill Core | 7.97 | 12.4 | 2538 | 3.4 | 100 | 1.0 | 13.4 | 17.0 | 1439 | 6.26 | 1.9 | 1.4 | 3.4 | 0.3 | 65 | <0.1 | 0.4 | 0.4 | 154 | 3.96 |
| 19834 | Drill Core | 8.28 | 17.8 | 701.1 | 5.5 | 55 | 0.7 | 11.7 | 26.9 | 796 | 5.00 | 5.8 | 1.0 | 6.6 | 0.2 | 85 | <0.1 | 0.5 | 0.9 | 162 | 2.93 |
| 19835 | Drill Core | 8.54 | 5.2 | 510.3 | 3.9 | 26 | 0.3 | 11.0 | 30.3 | 421 | 4.85 | 9.4 | 0.5 | 6.1 | 0.2 | 125 | <0.1 | 0.3 | 1.0 | 140 | 2.70 |
| 19836 | Drill Core | 9.10 | 1.1 | 105.8 | 2.8 | 25 | 0.2 | 10.1 | 29.1 | 391 | 4.66 | 7.7 | 0.4 | 2.3 | 0.2 | 128 | <0.1 | 0.6 | 0.9 | 124 | 2.57 |
| 19859 | Drill Core | 9.14 | 2.0 | 102.0 | 2.0 | 47 | <0.1 | 26.6 | 19.0 | 549 | 4.41 | 4.6 | 0.3 | <0.5 | 0.3 | 137 | <0.1 | 0.3 | 0.4 | 128 | 3.15 |
| 19860 | Drill Core | 9.15 | 7.3 | 398.5 | 2.5 | 29 | 0.3 | 9.2 | 26.9 | 429 | 5.06 | 9.3 | 0.5 | 2.5 | 0.3 | 111 | <0.1 | 0.3 | 0.8 | 128 | 3.04 |
| 19861 | Drill Core | 9.44 | 5.5 | 143.7 | 2.7 | 40 | 0.1 | 9.2 | 10.7 | 500 | 5.25 | 1.9 | 0.3 | <0.5 | 0.3 | 123 | <0.1 | 0.2 | <0.1 | 138 | 3.30 |
| 19862 | Drill Core | 8.41 | 9.4 | 1575 | 2.7 | 45 | 0.7 | 10.2 | 22.3 | 500 | 5.85 | 5.5 | 0.4 | 2.4 | 0.3 | 117 | 0.2 | 0.2 | 0.5 | 152 | 3.24 |
| 19863 | Drill Core | 8.71 | 4.0 | 265.3 | 2.3 | 36 | 0.2 | 9.2 | 19.2 | 482 | 5.36 | 8.7 | 0.3 | 1.0 | 0.3 | 123 | <0.1 | 0.3 | 0.5 | 156 | 3.11 |
| 19864 | Drill Core | 8.34 | 5.2 | 220.7 | 2.8 | 52 | 0.1 | 9.6 | 14.3 | 567 | 6.10 | 1.9 | 0.4 | 2.6 | 0.4 | 116 | <0.1 | 0.2 | 0.1 | 171 | 3.51 |
| 19865 | Drill Core | 8.87 | 28.5 | 2398 | 5.6 | 67 | 0.9 | 12.8 | 18.6 | 854 | 6.06 | 2.1 | 0.8 | 3.4 | 0.5 | 103 | 0.3 | 0.3 | 0.3 | 175 | 3.79 |
| 19878 | Drill Core | 9.09 | 4.5 | 301.4 | 2.5 | 47 | 0.2 | 13.8 | 14.8 | 525 | 5.11 | 2.4 | 0.4 | <0.5 | 0.5 | 91 | <0.1 | 0.3 | 0.3 | 194 | 1.94 |
| 19879 | Drill Core | 9.17 | 1.1 | 187.5 | 3.5 | 64 | 0.2 | 24.9 | 24.4 | 722 | 5.37 | 4.5 | 0.2 | 1.0 | 0.3 | 148 | <0.1 | 0.2 | 0.6 | 190 | 2.99 |
| 19880 | Drill Core | 10.05 | 4.0 | 122.1 | 7.6 | 74 | <0.1 | 20.9 | 15.9 | 831 | 5.36 | 1.8 | 0.5 | 1.0 | 0.5 | 175 | 0.2 | 0.3 | 0.3 | 165 | 3.87 |
| 19881 | Drill Core | 8.98 | 0.8 | 40.4 | 3.0 | 54 | <0.1 | 19.5 | 26.9 | 517 | 6.90 | 1.8 | 0.2 | 1.3 | 0.3 | 110 | <0.1 | 0.2 | <0.1 | 169 | 2.38 |
| 19882 | Drill Core | 8.12 | 16.6 | 335.5 | 7.8 | 54 | 0.2 | 7.4 | 10.6 | 761 | 3.36 | 2.7 | 1.2 | 5.6 | 0.7 | 91 | <0.1 | 0.2 | 0.3 | 87 | 3.06 |
| 19883 | Drill Core | 8.93 | 3.3 | 415.0 | 3.0 | 46 | 0.2 | 3.4 | 18.0 | 530 | 2.67 | 6.7 | 0.1 | 1.3 | 0.3 | 82 | <0.1 | 0.2 | 0.3 | 62 | 2.21 |
| 19884 | Drill Core | 8.24 | 2.1 | 227.3 | 6.9 | 75 | 0.1 | 4.2 | 9.1 | 614 | 2.57 | 2.2 | 0.3 | 1.3 | 0.5 | 97 | <0.1 | 0.2 | 0.2 | 60 | 2.79 |
| 19885 | Drill Core | 8.84 | 2.0 | 295.9 | 6.2 | 89 | 0.2 | 19.4 | 13.7 | 947 | 6.23 | 2.0 | 0.4 | 0.6 | 0.4 | 106 | <0.1 | 0.3 | 0.3 | 147 | 3.98 |
| 19886 | Drill Core | 10.03 | 0.8 | 159.0 | 3.6 | 118 | 0.1 | 21.0 | 14.8 | 1280 | 6.68 | 1.6 | 0.6 | 0.7 | 0.4 | 70 | <0.1 | 0.4 | 0.2 | 144 | 3.95 |
| 19887 | Drill Core | 10.72 | 6.2 | 1204 | 5.1 | 78 | 0.6 | 15.9 | 12.5 | 1025 | 6.24 | 2.0 | 0.9 | 4.1 | 0.4 | 108 | <0.1 | 0.4 | 0.5 | 150 | 4.13 |
| 19888 | Drill Core | 8.97 | 2.3 | 1198 | 9.0 | 113 | 0.6 | 29.7 | 22.0 | 1092 | 7.28 | 2.9 | 0.5 | 11.8 | 0.4 | 80 | <0.1 | 0.3 | 0.5 | 156 | 3.94 |
| 19889 | Drill Core | 9.94 | 1.0 | 165.7 | 6.5 | 86 | 0.1 | 34.6 | 17.6 | 1041 | 5.64 | 2.0 | 0.3 | 0.6 | 0.3 | 144 | <0.1 | 0.2 | 0.2 | 179 | 4.46 |
| 19890 | Drill Core | 7.18 | 2.3 | 481.0 | 11.2 | 90 | 0.5 | 24.3 | 26.2 | 1005 | 5.32 | 4.4 | 0.7 | 0.7 | 0.5 | 123 | 0.1 | 0.3 | 0.5 | 159 | 3.55 |
| 19891 | Drill Core | 8.64 | 1.1 | 288.7 | 7.1 | 59 | 0.2 | 17.3 | 20.1 | 719 | 5.37 | 3.3 | 0.3 | 0.6 | 0.4 | 148 | <0.1 | 0.2 | 1.0 | 180 | 3.47 |
| 19892 | Drill Core | 8.95 | 22.6 | 517.7 | 7.0 | 94 | 0.3 | 20.5 | 19.4 | 906 | 7.93 | 2.3 | 0.4 | 3.6 | 0.4 | 102 | <0.1 | 0.4 | 1.0 | 157 | 3.16 |
| 19893 | Drill Core | 8.77 | 1.7 | 77.7 | 2.6 | 77 | <0.1 | 18.7 | 16.6 | 838 | 5.81 | 1.6 | 0.3 | 1.7 | 0.3 | 103 | <0.1 | 0.3 | 0.1 | 160 | 2.98 |
| 19894 | Drill Core | 8.89 | 9.1 | 328.4 | 6.2 | 72 | 0.4 | 14.6 | 16.2 | 841 | 5.39 | 1.8 | 0.4 | 2.0 | 0.3 | 108 | <0.1 | 0.3 | 0.8 | 143 | 3.27 |

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Project: Sweeny
Report Date: February 15, 2010



# CERTIFICATE OF ANALYSIS SMI10000024.1

| | Method | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | Unit | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | MDL | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 |
| 19831 | Drill Core | 0.062 | 2 | 29 | 1.68 | 35 | 0.264 | 2 | 4.08 | 0.411 | 0.15 | 9.2 | <0.01 | 11.5 | 0.2 | 0.55 | 8 | <0.5 |
| 19832 | Drill Core | 0.061 | 1 | 35 | 1.34 | 29 | 0.245 | <1 | 3.81 | 0.441 | 0.12 | 3.1 | <0.01 | 10.7 | 0.1 | 0.38 | 8 | 0.6 |
| 19833 | Drill Core | 0.063 | 3 | 34 | 2.26 | 14 | 0.235 | <1 | 3.07 | 0.120 | 0.07 | 1.6 | <0.01 | 14.9 | <0.1 | 0.18 | 9 | 0.8 |
| 19834 | Drill Core | 0.055 | 2 | 26 | 1.49 | 11 | 0.240 | <1 | 2.73 | 0.199 | 0.06 | 15.0 | <0.01 | 10.4 | <0.1 | 0.37 | 7 | 0.6 |
| 19835 | Drill Core | 0.066 | 1 | 26 | 0.83 | 14 | 0.219 | 4 | 3.62 | 0.425 | 0.05 | 59.6 | <0.01 | 4.9 | <0.1 | 0.49 | 7 | <0.5 |
| 19836 | Drill Core | 0.053 | 1 | 26 | 0.80 | 12 | 0.219 | 3 | 3.56 | 0.414 | 0.06 | 11.5 | <0.01 | 5.6 | <0.1 | 0.49 | 7 | 0.6 |
| 19859 | Drill Core | 0.082 | 1 | 55 | 1.41 | 24 | 0.213 | 2 | 4.61 | 0.387 | 0.17 | 3.0 | <0.01 | 4.5 | 0.2 | 0.25 | 9 | <0.5 |
| 19860 | Drill Core | 0.081 | 1 | 23 | 0.85 | 18 | 0.219 | 3 | 3.85 | 0.395 | 0.08 | 10.5 | <0.01 | 5.8 | <0.1 | 0.63 | 8 | 0.5 |
| 19861 | Drill Core | 0.075 | 1 | 24 | 1.15 | 24 | 0.196 | 4 | 4.95 | 0.467 | 0.12 | 1.4 | <0.01 | 5.8 | 0.1 | 0.08 | 10 | <0.5 |
| 19862 | Drill Core | 0.077 | 1 | 26 | 1.21 | 20 | 0.204 | 1 | 5.10 | 0.482 | 0.09 | 3.5 | <0.01 | 5.9 | 0.1 | 0.53 | 11 | 0.6 |
| 19863 | Drill Core | 0.082 | 1 | 23 | 1.12 | 25 | 0.187 | 3 | 4.79 | 0.475 | 0.11 | 6.2 | <0.01 | 5.4 | 0.1 | 0.51 | 9 | <0.5 |
| 19864 | Drill Core | 0.086 | 2 | 23 | 1.35 | 31 | 0.183 | <1 | 5.11 | 0.435 | 0.19 | 0.7 | <0.01 | 7.2 | 0.3 | 0.10 | 11 | <0.5 |
| 19865 | Drill Core | 0.080 | 2 | 23 | 1.88 | 47 | 0.221 | 4 | 5.01 | 0.426 | 0.26 | 15.3 | <0.01 | 11.4 | 0.3 | 0.30 | 11 | 1.0 |
| 19878 | Drill Core | 0.061 | 2 | 45 | 1.21 | 51 | 0.209 | 3 | 3.07 | 0.412 | 0.28 | 3.3 | <0.01 | 5.1 | 0.4 | 0.13 | 7 | <0.5 |
| 19879 | Drill Core | 0.064 | 2 | 35 | 1.88 | 49 | 0.193 | 3 | 5.09 | 0.463 | 0.47 | 4.7 | <0.01 | 6.8 | 0.8 | 0.20 | 10 | <0.5 |
| 19880 | Drill Core | 0.051 | 2 | 35 | 1.48 | 37 | 0.214 | 1 | 5.25 | 0.403 | 0.24 | 2.3 | <0.01 | 8.1 | 0.3 | 0.06 | 12 | <0.5 |
| 19881 | Drill Core | 0.069 | 1 | 44 | 1.85 | 140 | 0.203 | 4 | 4.87 | 0.503 | 0.76 | 0.3 | <0.01 | 15.8 | 1.3 | <0.05 | 11 | <0.5 |
| 19882 | Drill Core | 0.054 | 2 | 20 | 1.47 | 105 | 0.148 | 2 | 4.12 | 0.425 | 0.40 | 0.7 | <0.01 | 9.5 | 0.5 | 0.13 | 10 | <0.5 |
| 19883 | Drill Core | 0.048 | 2 | 8 | 1.58 | 153 | 0.149 | 2 | 4.53 | 0.500 | 0.52 | 4.7 | <0.01 | 9.0 | 0.8 | 0.50 | 11 | <0.5 |
| 19884 | Drill Core | 0.047 | 2 | 8 | 1.98 | 55 | 0.105 | 5 | 4.73 | 0.481 | 0.27 | 1.4 | <0.01 | 10.5 | 0.3 | 0.08 | 10 | <0.5 |
| 19885 | Drill Core | 0.064 | 2 | 37 | 1.74 | 57 | 0.199 | <1 | 4.68 | 0.345 | 0.30 | 1.0 | <0.01 | 12.1 | 0.4 | 0.17 | 10 | <0.5 |
| 19886 | Drill Core | 0.065 | 2 | 40 | 2.02 | 29 | 0.155 | 4 | 3.54 | 0.156 | 0.15 | 1.1 | <0.01 | 14.5 | <0.1 | 0.20 | 9 | <0.5 |
| 19887 | Drill Core | 0.078 | 2 | 36 | 1.53 | 38 | 0.171 | 2 | 3.59 | 0.252 | 0.17 | 3.6 | <0.01 | 16.0 | 0.1 | 0.35 | 9 | <0.5 |
| 19888 | Drill Core | 0.062 | 2 | 64 | 2.07 | 44 | 0.201 | 4 | 4.22 | 0.267 | 0.18 | 5.6 | <0.01 | 14.3 | 0.2 | 0.44 | 11 | <0.5 |
| 19889 | Drill Core | 0.054 | 2 | 90 | 2.42 | 44 | 0.212 | 3 | 5.49 | 0.470 | 0.22 | 0.5 | <0.01 | 14.5 | 0.3 | 0.17 | 12 | <0.5 |
| 19890 | Drill Core | 0.061 | 2 | 34 | 1.98 | 45 | 0.189 | 3 | 4.51 | 0.353 | 0.20 | 3.1 | <0.01 | 9.6 | 0.2 | 0.37 | 10 | <0.5 |
| 19891 | Drill Core | 0.059 | 2 | 37 | 1.59 | 94 | 0.189 | 4 | 5.38 | 0.583 | 0.48 | 0.7 | <0.01 | 7.7 | 0.8 | 0.22 | 11 | <0.5 |
| 19892 | Drill Core | 0.058 | 2 | 36 | 1.74 | 57 | 0.225 | 1 | 3.88 | 0.335 | 0.25 | 3.5 | <0.01 | 11.3 | 0.4 | 0.31 | 10 | <0.5 |
| 19893 | Drill Core | 0.060 | 1 | 44 | 1.55 | 33 | 0.204 | 2 | 3.46 | 0.307 | 0.12 | 0.5 | <0.01 | 10.1 | 0.2 | 0.12 | 9 | <0.5 |
| 19894 | Drill Core | 0.057 | 1 | 35 | 1.42 | 27 | 0.184 | 4 | 3.64 | 0.343 | 0.10 | 0.4 | <0.01 | 10.5 | <0.1 | 0.22 | 9 | <0.5 |

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Project: Sweeny
Report Date: February 15, 2010

Page: 3 of 3 Part 1

## CERTIFICATE OF ANALYSIS SMI10000024.1

| | Method | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| 19895 | Drill Core | 2.53 | 7.1 | 33.2 | 2.7 | 121 | <0.1 | 19.4 | 21.1 | 1304 | 5.39 | 1.6 | 0.4 | 2.4 | 0.4 | 49 | <0.1 | 0.4 | 0.2 | 129 | 3.07 |

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Project: Sweeny
Report Date: February 15, 2010



# CERTIFICATE OF ANALYSIS SMI10000024.1

| | Method | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | Unit | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | MDL | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 |
| 19895 | Drill Core | 0.063 | 1 | 38 | 2.15 | 40 | 0.217 | <1 | 3.02 | 0.070 | 0.16 | 0.7 | <0.01 | 10.8 | 0.1 | 0.23 | 9 | <0.5 |

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Client: **Nanika Resources Inc**
#725, 625 Howe Street
Vancouver BC V6C 2T6 Canada

Project: Sweeny
Report Date: February 15, 2010

Page: 1 of 1 Part 1

# QUALITY CONTROL REPORT SMI10000024.1

| | Method | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 19886 | Drill Core | 10.03 | 0.8 | 159.0 | 3.6 | 118 | 0.1 | 21.0 | 14.8 | 1280 | 6.68 | 1.6 | 0.6 | 0.7 | 0.4 | 70 | <0.1 | 0.4 | 0.2 | 144 | 3.95 |
| REP 19886 | QC | | 0.7 | 161.9 | 3.4 | 117 | 0.1 | 20.3 | 14.9 | 1279 | 6.80 | 1.6 | 0.5 | 1.0 | 0.4 | 75 | <0.1 | 0.3 | 0.2 | 146 | 4.02 |
| Core Reject Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 19865 | Drill Core | 8.87 | 28.5 | 2398 | 5.6 | 67 | 0.9 | 12.8 | 18.6 | 854 | 6.06 | 2.1 | 0.8 | 3.4 | 0.5 | 103 | 0.3 | 0.3 | 0.3 | 175 | 3.79 |
| DUP 19865 | QC | | 27.2 | 2410 | 5.8 | 67 | 1.0 | 11.9 | 18.1 | 828 | 5.99 | 2.1 | 0.8 | 3.6 | 0.4 | 108 | 0.2 | 0.3 | 0.3 | 171 | 3.74 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS7 | Standard | | 21.3 | 117.1 | 75.8 | 410 | 0.8 | 54.9 | 9.4 | 653 | 2.42 | 51.7 | 5.2 | 64.6 | 4.9 | 85 | 6.3 | 5.9 | 4.8 | 84 | 1.01 |
| STD DS7 | Standard | | 22.0 | 118.0 | 76.5 | 400 | 0.8 | 56.8 | 9.5 | 654 | 2.45 | 50.5 | 5.5 | 81.0 | 5.3 | 85 | 6.4 | 6.0 | 5.0 | 85 | 1.03 |
| STD DS7 Expected | | | 20.5 | 109 | 70.6 | 411 | 0.9 | 56 | 9.7 | 627 | 2.39 | 48.2 | 4.9 | 70 | 4.4 | 69 | 6.4 | 4.6 | 4.5 | 84 | 0.93 |
| BLK | Blank | | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| Prep Wash | | | | | | | | | | | | | | | | | | | | | |
| G1 | Prep Blank | | 0.3 | 2.0 | 3.1 | 47 | <0.1 | 3.2 | 4.1 | 568 | 1.89 | <0.5 | 2.0 | 0.9 | 6.3 | 57 | <0.1 | <0.1 | <0.1 | 37 | 0.46 |
| G1 | Prep Blank | | 0.2 | 2.7 | 3.2 | 49 | <0.1 | 3.1 | 4.3 | 580 | 1.91 | <0.5 | 2.1 | <0.5 | 7.0 | 55 | <0.1 | <0.1 | <0.1 | 38 | 0.50 |

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Project: Sweeny
Report Date: February 15, 2010

Page: 1 of 1 Part 2

# QUALITY CONTROL REPORT SMI10000024.1

| | Method | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | Unit | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | MDL | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | |
| 19886 | Drill Core | 0.065 | 2 | 40 | 2.02 | 29 | 0.155 | 4 | 3.54 | 0.156 | 0.15 | 1.1 | <0.01 | 14.5 | <0.1 | 0.20 | 9 | <0.5 |
| REP 19886 | QC | 0.065 | 2 | 43 | 2.04 | 28 | 0.154 | <1 | 3.55 | 0.156 | 0.15 | 1.0 | <0.01 | 14.9 | 0.1 | 0.21 | 9 | <0.5 |
| Core Reject Duplicates | | | | | | | | | | | | | | | | | | |
| 19865 | Drill Core | 0.080 | 2 | 23 | 1.88 | 47 | 0.221 | 4 | 5.01 | 0.426 | 0.26 | 15.3 | <0.01 | 11.4 | 0.3 | 0.30 | 11 | 1.0 |
| DUP 19865 | QC | 0.087 | 2 | 22 | 1.82 | 48 | 0.203 | 2 | 4.77 | 0.399 | 0.25 | 15.9 | <0.01 | 10.9 | 0.4 | 0.30 | 11 | 0.8 |
| Reference Materials | | | | | | | | | | | | | | | | | | |
| STD DS7 | Standard | 0.076 | 14 | 210 | 1.09 | 399 | 0.153 | 41 | 1.09 | 0.097 | 0.45 | 3.9 | 0.19 | 2.6 | 3.9 | 0.20 | 5 | 3.9 |
| STD DS7 | Standard | 0.078 | 15 | 214 | 1.10 | 422 | 0.147 | 42 | 1.10 | 0.098 | 0.43 | 4.1 | 0.19 | 2.4 | 4.2 | 0.20 | 5 | 3.0 |
| STD DS7 Expected | | 0.08 | 12 | 179 | 1.05 | 370 | 0.124 | 39 | 0.959 | 0.089 | 0.44 | 3.4 | 0.2 | 2.5 | 4.2 | 0.19 | 5 | 3.5 |
| BLK | Blank | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 |
| Prep Wash | | | | | | | | | | | | | | | | | | |
| G1 | Prep Blank | 0.086 | 12 | 9 | 0.54 | 167 | 0.147 | <1 | 0.86 | 0.059 | 0.48 | 0.1 | <0.01 | 1.8 | 0.2 | <0.05 | 5 | <0.5 |
| G1 | Prep Blank | 0.080 | 14 | 10 | 0.55 | 181 | 0.145 | 2 | 0.93 | 0.068 | 0.51 | 0.2 | <0.01 | 2.1 | 0.3 | <0.05 | 5 | <0.5 |

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**Client:** **Nanika Resources Inc**
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Vancouver BC V6C 2T6 Canada

| | |
|---|---|
| Submitted By: | James Jacuta |
| Receiving Lab: | Canada-Smithers |
| Received: | February 15, 2010 |
| Report Date: | February 25, 2010 |
| Page: | 1 of 3 |

## CERTIFICATE OF ANALYSIS SMI10000044.1

### CLIENT JOB INFORMATION

| | |
|---|---|
| Project: | Sweeny |
| Shipment ID: | |
| P.O. Number | |
| Number of Samples: | 60 |

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|---|---|---|---|---|---|
| R200-250 | 60 | Crush split and pulverize 250g drill core to 200 mesh | | | SMI |
| 1DX3 | 60 | 1:1:1 Aqua Regia digestion ICP-MS analysis | 30 | Completed | VAN |

### SAMPLE DISPOSAL

| | |
|---|---|
| RTRN-PLP | Return |
| STOR-RJT | Store After 90 days Invoice for Storage |

### ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Nanika Resources Inc
#725, 625 Howe Street
Vancouver BC V6C 2T6
Canada

CC: Don MacIntyre

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Project: Sweeny
Report Date: February 25, 2010



# CERTIFICATE OF ANALYSIS SMI10000044.1

| | Method | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| 019751 | Drill Core | 7.44 | 0.6 | 160.1 | 26.7 | 61 | 0.1 | 1.1 | 10.1 | 824 | 4.35 | 15.1 | 0.1 | 8.7 | 0.3 | 46 | 0.2 | 1.4 | 2.2 | 85 | 1.43 |
| 019752 | Drill Core | 8.22 | 0.5 | 176.6 | 3.7 | 41 | 0.1 | 0.5 | 10.1 | 526 | 3.96 | 4.3 | 0.1 | 1.5 | 0.3 | 34 | <0.1 | 0.5 | 2.4 | 50 | 1.05 |
| 019753 | Drill Core | 9.15 | 2.4 | 279.0 | 15.0 | 49 | 0.3 | 0.3 | 13.0 | 634 | 4.06 | 8.5 | 0.2 | 3.0 | 0.4 | 41 | 0.2 | 0.8 | 5.3 | 53 | 1.34 |
| 019754 | Drill Core | 8.00 | 10.7 | 302.8 | 22.2 | 111 | 0.4 | 1.0 | 15.8 | 814 | 4.35 | 13.0 | 0.2 | 4.6 | 0.4 | 46 | 0.5 | 2.1 | 2.7 | 47 | 1.58 |
| 019755 | Drill Core | 7.21 | 2.8 | 282.2 | 11.8 | 73 | 0.3 | 9.7 | 23.1 | 1269 | 5.74 | 13.7 | 0.2 | 3.1 | 0.4 | 66 | 0.1 | 2.0 | 3.2 | 120 | 1.83 |
| 019756 | Drill Core | 7.47 | 1.4 | 264.1 | 640.8 | 1870 | 7.2 | 1.5 | 17.4 | 3282 | 4.99 | 148.1 | 0.2 | 15.1 | 0.5 | 56 | 13.5 | 6.3 | 8.6 | 57 | 3.26 |
| 019757 | Drill Core | 6.51 | 1.2 | 610.2 | 369.9 | 3357 | 30.1 | 1.7 | 17.0 | 5797 | 4.82 | 104.5 | 0.1 | 18.4 | 0.5 | 52 | 21.5 | 25.7 | 7.1 | 20 | 3.86 |
| 019758 | Drill Core | 8.02 | 2.7 | 269.3 | 224.3 | 842 | 7.5 | 6.4 | 18.0 | 3821 | 4.60 | 57.7 | 0.1 | 8.5 | 0.5 | 43 | 6.5 | 4.7 | 2.4 | 49 | 3.71 |
| 019759 | Drill Core | 7.36 | 0.3 | 196.4 | 90.2 | 414 | 1.2 | 20.1 | 24.8 | 4717 | 6.94 | 9.6 | 0.2 | 6.1 | 0.4 | 50 | 2.8 | 1.1 | 3.2 | 134 | 3.88 |
| 019760 | Drill Core | 7.09 | 0.4 | 864.1 | 499.8 | 2372 | 9.6 | 33.7 | 16.2 | 8523 | 5.36 | 47.8 | 0.1 | 12.6 | 0.5 | 67 | 20.4 | 9.0 | 4.3 | 59 | 5.35 |
| 019761 | Drill Core | 7.17 | 1.1 | 312.1 | 222.9 | 7514 | 3.4 | 12.9 | 23.5 | 5063 | 6.97 | 19.6 | <0.1 | 31.5 | 0.2 | 77 | 63.5 | 1.6 | 10.2 | 127 | 3.46 |
| 019762 | Drill Core | 6.70 | 1.2 | 305.4 | 56.9 | 2203 | 2.0 | 19.7 | 31.8 | 2502 | 6.99 | 11.3 | <0.1 | 30.8 | 0.2 | 88 | 17.8 | 1.4 | 6.3 | 206 | 2.54 |
| 019763 | Drill Core | 7.57 | 0.2 | 37.8 | 9.0 | 189 | 0.2 | 20.1 | 27.3 | 1814 | 7.08 | 3.3 | 0.1 | 4.6 | 0.3 | 91 | 0.4 | 1.2 | 0.9 | 216 | 2.76 |
| 019764 | Drill Core | 8.00 | 0.3 | 180.4 | 6.4 | 107 | 0.3 | 18.7 | 26.1 | 1094 | 6.48 | 2.1 | 0.1 | 3.0 | 0.2 | 84 | 0.2 | 0.6 | 2.0 | 265 | 2.20 |
| 019765 | Drill Core | 5.71 | 0.1 | 390.9 | 7.2 | 103 | 0.5 | 11.5 | 27.7 | 1085 | 5.83 | 2.2 | <0.1 | 5.6 | 0.2 | 74 | 0.2 | 1.0 | 2.1 | 180 | 1.95 |
| 019766 | Drill Core | 8.95 | 0.3 | 78.5 | 8.9 | 124 | 0.1 | 17.4 | 29.4 | 1486 | 6.82 | 2.1 | 0.1 | 1.0 | 0.2 | 86 | 0.1 | 1.4 | 1.7 | 201 | 2.26 |
| 019767 | Drill Core | 7.97 | 0.1 | 39.5 | 7.9 | 81 | 0.1 | 16.2 | 25.3 | 1224 | 6.34 | 3.6 | 0.1 | 4.1 | 0.2 | 50 | <0.1 | 0.8 | 4.4 | 134 | 2.06 |
| 019768 | Drill Core | 8.20 | 1.0 | 76.0 | 13.2 | 86 | 0.2 | 16.0 | 24.1 | 1089 | 6.17 | 2.4 | 0.1 | 3.1 | 0.2 | 73 | 0.2 | 1.1 | 3.5 | 138 | 2.20 |
| 019769 | Drill Core | 8.50 | 0.3 | 288.6 | 5.1 | 107 | 0.2 | 16.7 | 20.8 | 1081 | 5.82 | 2.1 | 0.1 | 3.0 | 0.2 | 96 | <0.1 | 1.1 | 1.3 | 149 | 2.39 |
| 019770 | Drill Core | 8.51 | 0.5 | 342.4 | 6.7 | 111 | 0.5 | 11.9 | 25.0 | 866 | 5.71 | 2.4 | <0.1 | 4.6 | 0.2 | 108 | 0.3 | 0.6 | 1.8 | 146 | 2.45 |
| 019771 | Drill Core | 8.33 | 0.4 | 177.9 | 3.0 | 111 | 0.2 | 10.5 | 23.6 | 910 | 6.22 | 1.8 | <0.1 | 2.0 | 0.2 | 87 | <0.1 | 0.7 | 0.6 | 185 | 1.85 |
| 019772 | Drill Core | 8.24 | 0.3 | 185.6 | 6.8 | 93 | 0.2 | 18.3 | 52.4 | 1354 | 6.51 | 3.6 | 0.1 | 3.1 | 0.2 | 64 | <0.1 | 0.6 | 3.7 | 141 | 2.34 |
| 019773 | Drill Core | 9.94 | 0.5 | 118.8 | 5.5 | 66 | 0.2 | 15.4 | 26.6 | 962 | 5.88 | 2.5 | 0.1 | 3.1 | 0.2 | 65 | <0.1 | 0.8 | 2.1 | 120 | 2.29 |
| 019774 | Drill Core | 8.28 | 0.4 | 91.3 | 13.5 | 107 | 0.2 | 15.3 | 18.5 | 975 | 5.92 | 3.2 | 0.1 | 2.0 | 0.2 | 61 | 0.4 | 0.7 | 3.0 | 133 | 2.51 |
| 019775 | Drill Core | 8.58 | 0.5 | 103.6 | 4.8 | 75 | 0.2 | 12.3 | 21.2 | 938 | 5.76 | 2.3 | 0.2 | <0.5 | 0.3 | 72 | <0.1 | 0.8 | 1.5 | 143 | 1.92 |
| 019776 | Drill Core | 8.22 | 0.4 | 292.3 | 4.0 | 79 | 0.6 | 13.0 | 15.0 | 901 | 6.16 | 4.0 | 0.2 | 2.0 | 0.2 | 67 | 0.2 | 0.8 | 2.5 | 143 | 1.90 |
| 019777 | Drill Core | 7.72 | 1.0 | 126.2 | 3.1 | 84 | 0.2 | 21.4 | 25.8 | 971 | 5.60 | 2.8 | <0.1 | 0.7 | 0.2 | 135 | 0.1 | 1.1 | 1.0 | 185 | 2.34 |
| 019778 | Drill Core | 7.30 | 0.4 | 218.5 | 4.7 | 84 | 0.2 | 9.7 | 21.2 | 822 | 4.89 | 2.4 | 0.1 | 1.5 | 0.3 | 86 | <0.1 | 0.5 | 0.8 | 104 | 2.10 |
| 019779 | Drill Core | 9.67 | 0.2 | 20.6 | 3.1 | 90 | <0.1 | 18.5 | 24.1 | 1707 | 6.03 | 2.4 | 0.1 | 1.2 | 0.2 | 96 | <0.1 | 0.7 | 0.8 | 166 | 2.91 |
| 019780 | Drill Core | 6.32 | 0.2 | 67.5 | 14.4 | 128 | 0.3 | 18.6 | 20.9 | 3286 | 6.04 | 5.2 | 0.1 | 4.1 | 0.2 | 78 | <0.1 | 0.5 | 0.8 | 148 | 3.74 |

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Project: Sweeny
Report Date: February 25, 2010



# CERTIFICATE OF ANALYSIS SMI10000044.1

| | Method | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | Unit | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | MDL | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 |
| 019751 | Drill Core | 0.071 | 2 | 3 | 1.11 | 91 | 0.172 | 2 | 2.63 | 0.223 | 0.28 | 0.5 | <0.01 | 11.1 | 0.5 | 0.81 | 8 | <0.5 |
| 019752 | Drill Core | 0.064 | 1 | 7 | 0.87 | 37 | 0.122 | <1 | 1.95 | 0.163 | 0.10 | 0.7 | <0.01 | 7.6 | 0.2 | 1.07 | 7 | <0.5 |
| 019753 | Drill Core | 0.066 | 2 | 2 | 0.88 | 43 | 0.151 | 1 | 2.12 | 0.153 | 0.14 | 1.0 | <0.01 | 8.5 | 0.3 | 1.25 | 7 | <0.5 |
| 019754 | Drill Core | 0.064 | 3 | 2 | 0.91 | 26 | 0.085 | <1 | 2.11 | 0.066 | 0.13 | 0.9 | <0.01 | 6.4 | 0.4 | 1.26 | 8 | <0.5 |
| 019755 | Drill Core | 0.071 | 2 | 17 | 1.48 | 49 | 0.198 | <1 | 2.78 | 0.111 | 0.15 | 1.4 | <0.01 | 11.6 | 0.4 | 1.60 | 10 | 0.8 |
| 019756 | Drill Core | 0.074 | 4 | 2 | 0.81 | 40 | 0.055 | 2 | 2.21 | 0.050 | 0.42 | 0.5 | 0.03 | 10.3 | 0.6 | 1.80 | 6 | <0.5 |
| 019757 | Drill Core | 0.071 | 4 | 2 | 0.28 | 11 | 0.004 | 3 | 1.28 | 0.008 | 0.41 | 0.2 | 0.03 | 8.2 | 0.6 | 2.41 | 4 | 0.8 |
| 019758 | Drill Core | 0.065 | 4 | 7 | 0.69 | 18 | 0.019 | 4 | 1.78 | 0.015 | 0.38 | 0.2 | 0.01 | 9.8 | 0.5 | 1.38 | 5 | <0.5 |
| 019759 | Drill Core | 0.077 | 3 | 31 | 2.04 | 44 | 0.076 | 2 | 3.33 | 0.023 | 0.43 | 0.5 | 0.01 | 16.2 | 0.7 | 1.05 | 9 | <0.5 |
| 019760 | Drill Core | 0.097 | 4 | 27 | 0.93 | 23 | 0.023 | 3 | 2.18 | 0.018 | 0.41 | 0.2 | 0.03 | 12.6 | 0.5 | 1.25 | 7 | <0.5 |
| 019761 | Drill Core | 0.070 | 2 | 24 | 1.74 | 54 | 0.100 | 3 | 3.15 | 0.087 | 0.33 | 0.3 | 0.08 | 12.8 | 0.5 | 1.83 | 8 | 0.6 |
| 019762 | Drill Core | 0.057 | 1 | 32 | 2.05 | 66 | 0.165 | 2 | 3.19 | 0.242 | 0.37 | 0.4 | 0.02 | 12.2 | 0.4 | 1.00 | 8 | <0.5 |
| 019763 | Drill Core | 0.065 | 1 | 32 | 2.08 | 54 | 0.253 | 3 | 3.51 | 0.322 | 0.37 | 0.8 | <0.01 | 11.8 | 0.5 | 0.33 | 9 | <0.5 |
| 019764 | Drill Core | 0.063 | <1 | 32 | 1.87 | 90 | 0.233 | <1 | 3.31 | 0.326 | 0.49 | 1.2 | <0.01 | 9.5 | 0.8 | 0.54 | 9 | <0.5 |
| 019765 | Drill Core | 0.060 | <1 | 20 | 1.58 | 24 | 0.233 | 2 | 2.27 | 0.177 | 0.13 | 0.5 | <0.01 | 9.1 | 0.2 | 0.36 | 8 | <0.5 |
| 019766 | Drill Core | 0.067 | 1 | 31 | 2.10 | 50 | 0.343 | 1 | 2.89 | 0.226 | 0.24 | 1.8 | <0.01 | 12.2 | 0.3 | 0.64 | 8 | <0.5 |
| 019767 | Drill Core | 0.070 | <1 | 28 | 1.68 | 16 | 0.241 | 1 | 1.85 | 0.092 | 0.08 | 1.6 | <0.01 | 9.5 | 0.1 | 1.25 | 7 | <0.5 |
| 019768 | Drill Core | 0.075 | <1 | 27 | 1.51 | 19 | 0.274 | 1 | 2.11 | 0.162 | 0.09 | 19.8 | <0.01 | 7.7 | 0.1 | 1.16 | 6 | <0.5 |
| 019769 | Drill Core | 0.065 | 1 | 28 | 1.73 | 27 | 0.294 | 1 | 2.50 | 0.190 | 0.13 | 0.8 | <0.01 | 7.8 | 0.2 | 0.24 | 7 | <0.5 |
| 019770 | Drill Core | 0.058 | <1 | 19 | 1.48 | 22 | 0.217 | 1 | 3.45 | 0.271 | 0.12 | 1.0 | <0.01 | 6.7 | 0.2 | 0.42 | 8 | <0.5 |
| 019771 | Drill Core | 0.059 | <1 | 18 | 1.85 | 49 | 0.296 | 2 | 2.68 | 0.227 | 0.26 | 0.6 | <0.01 | 9.0 | 0.4 | 0.19 | 8 | <0.5 |
| 019772 | Drill Core | 0.065 | <1 | 33 | 1.88 | 30 | 0.251 | 1 | 2.36 | 0.122 | 0.17 | 1.1 | <0.01 | 10.0 | 0.3 | 1.40 | 7 | 0.5 |
| 019773 | Drill Core | 0.068 | <1 | 27 | 1.38 | 18 | 0.264 | <1 | 1.91 | 0.110 | 0.08 | 1.0 | <0.01 | 8.8 | 0.1 | 0.85 | 5 | <0.5 |
| 019774 | Drill Core | 0.072 | <1 | 28 | 1.49 | 21 | 0.260 | <1 | 1.93 | 0.095 | 0.08 | 0.9 | <0.01 | 9.7 | 0.1 | 0.76 | 6 | <0.5 |
| 019775 | Drill Core | 0.083 | 1 | 24 | 1.83 | 50 | 0.294 | 2 | 2.44 | 0.149 | 0.30 | 1.0 | <0.01 | 10.1 | 0.5 | 0.33 | 7 | <0.5 |
| 019776 | Drill Core | 0.069 | 1 | 23 | 1.49 | 39 | 0.293 | <1 | 2.24 | 0.141 | 0.16 | 2.8 | <0.01 | 9.3 | 0.3 | 0.64 | 7 | <0.5 |
| 019777 | Drill Core | 0.059 | 1 | 34 | 2.13 | 110 | 0.289 | 2 | 3.41 | 0.182 | 0.39 | 0.7 | <0.01 | 8.0 | 0.7 | 0.27 | 9 | <0.5 |
| 019778 | Drill Core | 0.074 | 1 | 20 | 1.75 | 125 | 0.253 | 1 | 3.33 | 0.258 | 0.47 | 1.2 | <0.01 | 6.9 | 0.8 | 0.48 | 7 | <0.5 |
| 019779 | Drill Core | 0.072 | <1 | 40 | 2.24 | 202 | 0.251 | 2 | 4.11 | 0.273 | 0.47 | 1.2 | <0.01 | 10.4 | 0.7 | 0.29 | 9 | <0.5 |
| 019780 | Drill Core | 0.072 | 1 | 34 | 2.69 | 127 | 0.171 | 2 | 3.56 | 0.116 | 0.63 | 0.6 | <0.01 | 13.1 | 1.1 | 0.49 | 9 | <0.5 |

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Project: Sweeny
Report Date: February 25, 2010



# CERTIFICATE OF ANALYSIS SMI10000044.1

| | Method | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| 019781 | Drill Core | 7.59 | 0.2 | 107.9 | 28.2 | 88 | 0.2 | 16.4 | 22.7 | 2807 | 5.21 | 4.6 | <0.1 | 3.8 | 0.2 | 94 | 0.2 | 0.6 | 0.4 | 142 | 3.04 |
| 019782 | Drill Core | 7.16 | 0.7 | 192.2 | 308.5 | 111 | 2.9 | 12.7 | 23.6 | 7311 | 6.31 | 28.1 | <0.1 | 26.2 | 0.1 | 73 | 0.7 | 1.9 | 2.4 | 104 | 8.43 |
| 019783 | Drill Core | 7.90 | 0.6 | 294.4 | 50.5 | 207 | 1.0 | 21.9 | 23.4 | 1852 | 6.56 | 4.7 | <0.1 | 3.7 | 0.2 | 95 | 1.0 | 0.7 | 1.3 | 244 | 3.29 |
| 019784 | Drill Core | 6.55 | 2.9 | 232.3 | 18.6 | 227 | 0.5 | 18.8 | 28.4 | 1727 | 7.15 | 3.9 | 0.1 | 6.6 | 0.2 | 104 | 0.8 | 0.7 | 1.5 | 241 | 2.64 |
| 019785 | Drill Core | 5.35 | 2.0 | 257.1 | 9.3 | 148 | 0.5 | 19.2 | 29.4 | 2209 | 6.65 | 4.1 | <0.1 | 7.4 | 0.3 | 65 | 0.4 | 0.8 | 1.3 | 151 | 3.45 |
| 019786 | Drill Core | 7.19 | 0.2 | 103.9 | 8.5 | 150 | 0.5 | 20.8 | 30.5 | 3306 | 7.21 | 4.3 | <0.1 | 8.0 | 0.3 | 76 | 0.2 | 0.7 | 1.7 | 184 | 5.32 |
| 019787 | Drill Core | 10.20 | 0.2 | 165.5 | 4.4 | 230 | 0.3 | 22.8 | 28.9 | 2657 | 7.38 | 1.4 | <0.1 | 4.4 | 0.3 | 80 | 0.2 | 0.5 | 1.0 | 217 | 4.10 |
| 019788 | Drill Core | 8.53 | 5.0 | 105.5 | 9.5 | 169 | 0.4 | 19.9 | 32.1 | 3823 | 6.87 | 1.8 | <0.1 | 5.3 | 0.3 | 67 | 0.2 | 0.6 | 1.2 | 167 | 4.62 |
| 019789 | Drill Core | 9.00 | 0.2 | 79.9 | 8.1 | 136 | 0.6 | 19.7 | 26.7 | 4654 | 7.22 | 15.3 | 0.1 | 7.6 | 0.3 | 60 | <0.1 | 1.0 | 1.9 | 143 | 4.71 |
| 019790 | Drill Core | 8.49 | 0.2 | 104.5 | 9.4 | 105 | 0.4 | 20.5 | 34.7 | 4771 | 6.59 | 16.4 | 0.1 | 3.2 | 0.3 | 91 | 0.3 | 1.1 | 4.2 | 141 | 5.44 |
| 019791 | Drill Core | 8.81 | 1.5 | 84.2 | 34.9 | 264 | 1.4 | 17.7 | 27.6 | 6560 | 6.30 | 69.2 | 0.1 | 3.9 | 0.3 | 83 | 1.3 | 2.5 | 1.7 | 130 | 6.69 |
| 019792 | Drill Core | 9.84 | 5.5 | 189.8 | 354.8 | 2314 | 2.0 | 6.0 | 23.8 | 8270 | 5.53 | 2129 | 0.3 | 16.0 | 0.6 | 55 | 14.1 | 5.7 | 8.9 | 39 | 7.64 |
| 019793 | Drill Core | 7.82 | 0.6 | 109.9 | 17.2 | 78 | 0.2 | 7.6 | 15.2 | 1351 | 5.00 | 17.4 | 0.3 | 5.2 | 0.6 | 55 | 0.3 | 0.6 | 3.2 | 91 | 4.45 |
| 019794 | Drill Core | 9.42 | 1.4 | 260.4 | 10.8 | 69 | 0.4 | 14.1 | 16.7 | 1292 | 6.21 | 22.8 | 0.2 | 4.2 | 0.3 | 47 | 0.2 | 1.8 | 8.2 | 172 | 2.54 |
| 019795 | Drill Core | 8.76 | 2.3 | 279.3 | 6.7 | 57 | 0.3 | 8.4 | 18.1 | 868 | 5.53 | 11.0 | 0.2 | 5.1 | 0.3 | 46 | 0.2 | 0.6 | 6.2 | 125 | 1.59 |
| 019796 | Drill Core | 9.44 | 0.5 | 272.1 | 3.4 | 38 | 0.3 | 3.1 | 21.8 | 659 | 5.23 | 7.8 | 0.2 | 5.8 | 0.4 | 43 | 0.1 | 0.4 | 4.4 | 68 | 1.58 |
| 019797 | Drill Core | 8.86 | 0.3 | 96.2 | 2.6 | 40 | 0.1 | 25.2 | 10.6 | 727 | 4.15 | 4.4 | 0.2 | 2.7 | 0.5 | 42 | <0.1 | 0.5 | 1.4 | 68 | 1.38 |
| 019798 | Drill Core | 8.79 | 0.5 | 94.0 | 3.0 | 35 | 0.1 | 4.0 | 11.4 | 676 | 4.97 | 5.9 | 0.2 | 2.9 | 0.6 | 47 | <0.1 | 0.6 | 1.9 | 77 | 1.70 |
| 019799 | Drill Core | 8.13 | 0.9 | 205.1 | 5.8 | 53 | 0.2 | 0.7 | 10.2 | 774 | 6.96 | 16.8 | 0.2 | 2.7 | 0.4 | 58 | 0.2 | 0.6 | 3.5 | 105 | 2.16 |
| 019800 | Drill Core | 8.75 | 0.9 | 177.3 | 2.8 | 30 | 0.2 | 0.7 | 8.4 | 542 | 6.43 | 4.3 | 0.2 | 2.6 | 0.4 | 62 | <0.1 | 0.4 | 2.7 | 97 | 1.86 |
| 019801 | Drill Core | 8.24 | 0.6 | 314.8 | 7.8 | 40 | 0.3 | 1.7 | 15.8 | 610 | 7.06 | 5.8 | 0.2 | 6.7 | 0.4 | 60 | <0.1 | 0.4 | 3.4 | 107 | 2.00 |
| 019802 | Drill Core | 8.33 | 0.7 | 213.8 | 2.4 | 34 | 0.2 | 5.0 | 8.3 | 587 | 4.99 | 6.2 | 0.2 | 4.1 | 0.5 | 50 | <0.1 | 0.2 | 13.1 | 98 | 1.93 |
| 019803 | Drill Core | 6.18 | 1.9 | 74.2 | 2.9 | 41 | <0.1 | 5.3 | 10.9 | 762 | 4.50 | 2.9 | 0.2 | 2.1 | 0.4 | 45 | <0.1 | 0.3 | 1.9 | 88 | 1.66 |
| 019804 | Drill Core | 7.45 | 2.2 | 163.2 | 2.5 | 36 | 0.2 | 5.1 | 17.5 | 742 | 5.06 | 4.0 | 0.3 | 3.6 | 0.5 | 45 | <0.1 | 0.5 | 1.7 | 108 | 1.52 |
| 019805 | Drill Core | 7.46 | 0.7 | 115.9 | 18.3 | 78 | 0.2 | 6.9 | 12.9 | 863 | 4.59 | 14.9 | 0.2 | 2.8 | 0.5 | 32 | 0.5 | 0.8 | 2.6 | 88 | 2.50 |
| 019806 | Drill Core | 7.08 | 0.2 | 35.5 | 3.3 | 61 | <0.1 | 15.0 | 27.9 | 871 | 6.35 | 5.0 | 0.1 | 3.0 | 0.3 | 110 | <0.1 | 0.5 | 1.7 | 208 | 2.67 |
| 019807 | Drill Core | 8.99 | 0.4 | 86.1 | 1.9 | 30 | 0.1 | 26.7 | 20.1 | 633 | 4.73 | 4.5 | 0.1 | 2.2 | 0.3 | 95 | <0.1 | 0.7 | 1.8 | 194 | 1.90 |
| 019808 | Drill Core | 7.54 | 0.3 | 53.7 | 3.3 | 30 | <0.1 | 20.5 | 29.0 | 664 | 5.56 | 3.8 | 0.1 | 1.4 | 0.2 | 116 | <0.1 | 0.6 | 2.3 | 194 | 2.79 |
| 019809 | Drill Core | 7.81 | 0.6 | 35.8 | 3.0 | 42 | <0.1 | 19.4 | 27.2 | 610 | 6.48 | 3.6 | <0.1 | 1.7 | 0.2 | 86 | <0.1 | 0.3 | 2.0 | 199 | 2.48 |
| 019810 | Drill Core | 8.30 | 0.2 | 89.0 | 4.9 | 52 | 0.1 | 20.1 | 28.0 | 693 | 6.25 | 3.7 | 0.1 | 2.8 | 0.2 | 145 | 0.1 | 0.5 | 0.7 | 194 | 2.50 |

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Project: Sweeny
Report Date: February 25, 2010



# CERTIFICATE OF ANALYSIS SMI10000044.1

| Method | | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| Unit | | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| MDL | | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 |
| 019781 | Drill Core | 0.057 | 1 | 32 | 2.00 | 192 | 0.189 | 2 | 3.86 | 0.104 | 0.27 | 0.4 | <0.01 | 8.4 | 0.4 | 0.21 | 8 | <0.5 |
| 019782 | Drill Core | 0.040 | 2 | 16 | 1.19 | 68 | 0.028 | 2 | 2.04 | 0.038 | 0.34 | 4.8 | <0.01 | 10.0 | 0.5 | 2.30 | 5 | 0.9 |
| 019783 | Drill Core | 0.061 | 1 | 35 | 2.39 | 185 | 0.189 | 1 | 3.80 | 0.277 | 0.66 | 0.6 | <0.01 | 12.5 | 1.1 | 0.63 | 9 | <0.5 |
| 019784 | Drill Core | 0.066 | 1 | 36 | 2.52 | 164 | 0.237 | 2 | 4.05 | 0.338 | 0.27 | 1.9 | <0.01 | 11.0 | 0.3 | 0.87 | 10 | <0.5 |
| 019785 | Drill Core | 0.071 | 2 | 32 | 2.01 | 64 | 0.099 | 2 | 2.51 | 0.067 | 0.29 | 1.6 | <0.01 | 10.6 | 0.3 | 0.98 | 8 | <0.5 |
| 019786 | Drill Core | 0.058 | 2 | 32 | 1.76 | 76 | 0.042 | 2 | 2.68 | 0.038 | 0.49 | 0.6 | <0.01 | 13.5 | 0.6 | 0.69 | 8 | <0.5 |
| 019787 | Drill Core | 0.058 | 2 | 34 | 2.45 | 62 | 0.026 | 1 | 3.14 | 0.043 | 0.31 | 0.3 | <0.01 | 11.1 | 0.4 | 0.28 | 9 | <0.5 |
| 019788 | Drill Core | 0.063 | 2 | 31 | 2.42 | 74 | 0.040 | 2 | 3.19 | 0.017 | 0.43 | 0.4 | <0.01 | 11.1 | 0.5 | 0.49 | 8 | <0.5 |
| 019789 | Drill Core | 0.078 | 3 | 28 | 1.66 | 48 | 0.017 | 2 | 2.78 | 0.017 | 0.45 | 0.9 | <0.01 | 12.6 | 0.6 | 0.67 | 7 | <0.5 |
| 019790 | Drill Core | 0.076 | 3 | 33 | 1.91 | 27 | 0.016 | 2 | 2.76 | 0.021 | 0.29 | 0.9 | <0.01 | 11.8 | 0.4 | 0.76 | 8 | <0.5 |
| 019791 | Drill Core | 0.061 | 2 | 28 | 2.50 | 62 | 0.014 | 2 | 2.45 | 0.025 | 0.24 | 1.1 | <0.01 | 10.4 | 0.3 | 0.31 | 7 | <0.5 |
| 019792 | Drill Core | 0.065 | 5 | 5 | 1.46 | 17 | 0.002 | 2 | 1.28 | 0.007 | 0.25 | 1.8 | <0.01 | 7.2 | 0.3 | 1.13 | 3 | <0.5 |
| 019793 | Drill Core | 0.076 | 5 | 16 | 1.26 | 131 | 0.054 | 2 | 2.79 | 0.080 | 0.51 | 2.1 | <0.01 | 9.7 | 0.8 | 0.90 | 8 | <0.5 |
| 019794 | Drill Core | 0.049 | 2 | 45 | 2.34 | 103 | 0.099 | 1 | 3.37 | 0.123 | 0.49 | 21.8 | <0.01 | 11.1 | 0.8 | 1.56 | 10 | <0.5 |
| 019795 | Drill Core | 0.065 | 1 | 29 | 1.81 | 115 | 0.147 | 1 | 3.20 | 0.208 | 0.34 | 38.2 | <0.01 | 8.9 | 0.6 | 1.68 | 10 | <0.5 |
| 019796 | Drill Core | 0.093 | 2 | 6 | 1.07 | 114 | 0.156 | 2 | 2.97 | 0.220 | 0.31 | 15.7 | <0.01 | 7.3 | 0.5 | 1.52 | 8 | <0.5 |
| 019797 | Drill Core | 0.085 | 2 | 58 | 1.47 | 123 | 0.198 | 2 | 2.49 | 0.187 | 0.52 | 7.8 | <0.01 | 6.7 | 1.0 | 0.52 | 8 | <0.5 |
| 019798 | Drill Core | 0.092 | 2 | 10 | 1.10 | 136 | 0.218 | 2 | 2.76 | 0.248 | 0.42 | 0.7 | <0.01 | 8.1 | 0.7 | 0.75 | 9 | <0.5 |
| 019799 | Drill Core | 0.076 | 2 | 2 | 1.09 | 101 | 0.236 | 2 | 3.53 | 0.341 | 0.34 | 3.2 | <0.01 | 10.7 | 0.7 | 1.49 | 11 | <0.5 |
| 019800 | Drill Core | 0.081 | 1 | 3 | 0.90 | 121 | 0.207 | 1 | 3.75 | 0.461 | 0.45 | 5.5 | <0.01 | 8.2 | 0.8 | 0.96 | 10 | <0.5 |
| 019801 | Drill Core | 0.075 | 2 | 6 | 0.69 | 78 | 0.175 | 2 | 3.33 | 0.435 | 0.22 | 12.2 | <0.01 | 9.7 | 0.5 | 1.76 | 10 | 0.6 |
| 019802 | Drill Core | 0.082 | 2 | 14 | 1.11 | 134 | 0.190 | 2 | 3.74 | 0.401 | 0.40 | 9.7 | <0.01 | 8.4 | 0.8 | 0.89 | 10 | <0.5 |
| 019803 | Drill Core | 0.090 | 2 | 18 | 1.22 | 292 | 0.224 | 2 | 3.68 | 0.363 | 0.84 | 1.6 | <0.01 | 8.9 | 1.4 | 0.41 | 10 | <0.5 |
| 019804 | Drill Core | 0.079 | 2 | 13 | 1.13 | 122 | 0.229 | <1 | 2.45 | 0.241 | 0.39 | 7.5 | <0.01 | 9.0 | 0.7 | 0.93 | 8 | <0.5 |
| 019805 | Drill Core | 0.090 | 3 | 14 | 1.10 | 199 | 0.109 | 2 | 2.41 | 0.135 | 0.63 | 0.5 | <0.01 | 10.1 | 1.0 | 0.59 | 8 | <0.5 |
| 019806 | Drill Core | 0.059 | 1 | 39 | 2.04 | 82 | 0.188 | 1 | 3.76 | 0.339 | 0.32 | 0.7 | <0.01 | 10.7 | 0.5 | 0.28 | 10 | <0.5 |
| 019807 | Drill Core | 0.055 | 1 | 62 | 1.65 | 42 | 0.232 | 1 | 3.29 | 0.402 | 0.28 | 1.0 | <0.01 | 5.8 | 0.5 | 0.15 | 8 | <0.5 |
| 019808 | Drill Core | 0.072 | <1 | 40 | 1.55 | 15 | 0.236 | 2 | 2.93 | 0.159 | 0.15 | 0.7 | <0.01 | 6.7 | 0.3 | 0.17 | 7 | <0.5 |
| 019809 | Drill Core | 0.067 | <1 | 41 | 1.77 | 12 | 0.175 | 1 | 3.51 | 0.343 | 0.09 | 7.7 | <0.01 | 6.3 | 0.1 | 0.30 | 9 | <0.5 |
| 019810 | Drill Core | 0.070 | <1 | 37 | 1.60 | 9 | 0.260 | 1 | 3.56 | 0.296 | 0.05 | 5.9 | <0.01 | 6.2 | <0.1 | 0.21 | 9 | <0.5 |

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Project: Sweeny
Report Date: February 25, 2010



# QUALITY CONTROL REPORT SMI10000044.1

| | Method | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 019759 | Drill Core | 7.36 | 0.3 | 196.4 | 90.2 | 414 | 1.2 | 20.1 | 24.8 | 4717 | 6.94 | 9.6 | 0.2 | 6.1 | 0.4 | 50 | 2.8 | 1.1 | 3.2 | 134 | 3.88 |
| REP 019759 | QC | | 0.3 | 199.4 | 89.4 | 424 | 1.2 | 19.9 | 25.6 | 4829 | 7.07 | 9.9 | 0.2 | 6.2 | 0.4 | 51 | 2.8 | 1.2 | 3.3 | 136 | 3.97 |
| Core Reject Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 019775 | Drill Core | 8.58 | 0.5 | 103.6 | 4.8 | 75 | 0.2 | 12.3 | 21.2 | 938 | 5.76 | 2.3 | 0.2 | <0.5 | 0.3 | 72 | <0.1 | 0.8 | 1.5 | 143 | 1.92 |
| DUP 019775 | QC | | 0.6 | 110.9 | 3.6 | 78 | 0.2 | 13.8 | 22.3 | 907 | 5.68 | 2.4 | 0.1 | 1.3 | 0.3 | 70 | <0.1 | 0.9 | 1.4 | 139 | 1.86 |
| 019810 | Drill Core | 8.30 | 0.2 | 89.0 | 4.9 | 52 | 0.1 | 20.1 | 28.0 | 693 | 6.25 | 3.7 | 0.1 | 2.8 | 0.2 | 145 | 0.1 | 0.5 | 0.7 | 194 | 2.50 |
| DUP 019810 | QC | | 0.2 | 78.1 | 5.0 | 52 | <0.1 | 18.7 | 27.7 | 677 | 6.30 | 3.8 | <0.1 | 1.9 | 0.2 | 140 | 0.1 | 0.5 | 0.6 | 193 | 2.49 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS7 | Standard | | 20.1 | 115.7 | 74.8 | 387 | 0.8 | 51.4 | 9.0 | 619 | 2.42 | 49.9 | 5.5 | 71.8 | 4.6 | 74 | 6.8 | 6.2 | 5.1 | 81 | 0.96 |
| STD DS7 | Standard | | 20.0 | 116.0 | 71.0 | 386 | 0.8 | 54.3 | 9.0 | 616 | 2.40 | 49.7 | 5.3 | 60.8 | 4.7 | 72 | 6.8 | 6.2 | 4.9 | 81 | 0.95 |
| STD DS7 | Standard | | 20.9 | 108.1 | 69.5 | 381 | 0.9 | 61.1 | 10.3 | 652 | 2.49 | 52.1 | 4.8 | 54.9 | 4.6 | 75 | 6.2 | 6.2 | 4.8 | 84 | 0.99 |
| STD DS7 | Standard | | 20.9 | 113.5 | 69.6 | 402 | 0.9 | 60.7 | 10.5 | 674 | 2.51 | 49.8 | 5.1 | 58.1 | 4.8 | 77 | 6.6 | 6.1 | 4.7 | 85 | 1.01 |
| STD DS7 Expected | | | 20.5 | 109 | 70.6 | 411 | 0.9 | 56 | 9.7 | 627 | 2.39 | 48.2 | 4.9 | 70 | 4.4 | 69 | 6.4 | 4.6 | 4.5 | 84 | 0.93 |
| BLK | Blank | | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | 0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| BLK | Blank | | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| Prep Wash | | | | | | | | | | | | | | | | | | | | | |
| G1 | Prep Blank | | 1.1 | 48.4 | 241.4 | 62 | <0.1 | 3.5 | 4.1 | 548 | 1.94 | 1.2 | 2.3 | 3.3 | 5.4 | 59 | 0.3 | 0.1 | 0.1 | 43 | 0.51 |
| G1 | Prep Blank | | 0.4 | 9.9 | 3.5 | 44 | <0.1 | 3.3 | 3.9 | 537 | 1.85 | <0.5 | 2.0 | <0.5 | 5.6 | 56 | <0.1 | <0.1 | 0.1 | 34 | 0.45 |

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#725, 625 Howe Street
Vancouver BC V6C 2T6 Canada

Project: Sweeny
Report Date: February 25, 2010



# QUALITY CONTROL REPORT SMI10000044.1

| | Method | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | Unit | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | MDL | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | |
| 019759 | Drill Core | 0.077 | 3 | 31 | 2.04 | 44 | 0.076 | 2 | 3.33 | 0.023 | 0.43 | 0.5 | 0.01 | 16.2 | 0.7 | 1.05 | 9 | <0.5 |
| REP 019759 | QC | 0.081 | 3 | 29 | 2.04 | 45 | 0.076 | 3 | 3.37 | 0.023 | 0.41 | 0.5 | 0.02 | 15.8 | 0.6 | 1.07 | 9 | <0.5 |
| Core Reject Duplicates | | | | | | | | | | | | | | | | | | |
| 019775 | Drill Core | 0.083 | 1 | 24 | 1.83 | 50 | 0.294 | 2 | 2.44 | 0.149 | 0.30 | 1.0 | <0.01 | 10.1 | 0.5 | 0.33 | 7 | <0.5 |
| DUP 019775 | QC | 0.085 | 1 | 22 | 1.83 | 49 | 0.268 | 1 | 2.38 | 0.123 | 0.30 | 1.1 | <0.01 | 9.6 | 0.5 | 0.34 | 7 | <0.5 |
| 019810 | Drill Core | 0.070 | <1 | 37 | 1.60 | 9 | 0.260 | 1 | 3.56 | 0.296 | 0.05 | 5.9 | <0.01 | 6.2 | <0.1 | 0.21 | 9 | <0.5 |
| DUP 019810 | QC | 0.073 | <1 | 37 | 1.62 | 9 | 0.231 | 1 | 3.55 | 0.290 | 0.05 | 6.1 | <0.01 | 6.1 | <0.1 | 0.21 | 9 | <0.5 |
| Reference Materials | | | | | | | | | | | | | | | | | | |
| STD DS7 | Standard | 0.076 | 13 | 184 | 1.04 | 390 | 0.138 | 41 | 1.02 | 0.090 | 0.46 | 3.9 | 0.19 | 2.3 | 4.3 | 0.20 | 4 | 3.2 |
| STD DS7 | Standard | 0.078 | 12 | 177 | 1.03 | 380 | 0.136 | 41 | 1.00 | 0.084 | 0.44 | 3.8 | 0.18 | 2.4 | 4.1 | 0.20 | 4 | 3.2 |
| STD DS7 | Standard | 0.082 | 13 | 218 | 1.08 | 420 | 0.135 | 41 | 1.08 | 0.095 | 0.51 | 3.9 | 0.21 | 2.2 | 4.1 | 0.20 | 5 | 3.5 |
| STD DS7 | Standard | 0.087 | 13 | 220 | 1.08 | 434 | 0.142 | 44 | 1.10 | 0.098 | 0.45 | 4.1 | 0.21 | 2.2 | 4.2 | 0.20 | 5 | 3.8 |
| STD DS7 Expected | | 0.08 | 12 | 179 | 1.05 | 370 | 0.124 | 39 | 0.959 | 0.089 | 0.44 | 3.4 | 0.2 | 2.5 | 4.2 | 0.19 | 5 | 3.5 |
| BLK | Blank | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 |
| BLK | Blank | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 |
| Prep Wash | | | | | | | | | | | | | | | | | | |
| G1 | Prep Blank | 0.085 | 11 | 9 | 0.51 | 172 | 0.140 | 1 | 0.87 | 0.076 | 0.52 | 0.3 | <0.01 | 2.0 | 0.4 | <0.05 | 4 | <0.5 |
| G1 | Prep Blank | 0.084 | 11 | 8 | 0.53 | 156 | 0.130 | 1 | 0.88 | 0.058 | 0.50 | <0.1 | <0.01 | 1.8 | 0.3 | <0.05 | 4 | <0.5 |

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**Client:** **Nanika Resources Inc**
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Vancouver BC V6C 2T6 Canada

| | |
|---|---|
| Submitted By: | James Jacuta |
| Receiving Lab: | Canada-Smithers |
| Received: | February 15, 2010 |
| Report Date: | February 26, 2010 |
| Page: | 1 of 3 |

# CERTIFICATE OF ANALYSIS SMI10000046.1

## CLIENT JOB INFORMATION

| | |
|---|---|
| Project: | Sweeny |
| Shipment ID: | |
| P.O. Number | |
| Number of Samples: | 54 |

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|---|---|---|---|---|---|
| R200-250 | 54 | Crush split and pulverize 250g drill core to 200 mesh | | | SMI |
| 1DX3 | 54 | 1:1:1 Aqua Regia digestion ICP-MS analysis | 30 | Completed | VAN |

## SAMPLE DISPOSAL

| | |
|---|---|
| STOR-PLP | Store After 90 days Invoice for Storage |
| STOR-RJT | Store After 90 days Invoice for Storage |

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

## ADDITIONAL COMMENTS

Invoice To: Nanika Resources Inc
#725, 625 Howe Street
Vancouver BC V6C 2T6
Canada

CC: Don MacIntyre

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Client: **Nanika Resources Inc**
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Vancouver BC V6C 2T6 Canada

Project: Sweeny
Report Date: February 26, 2010



# CERTIFICATE OF ANALYSIS SMI10000046.1

| Method | | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| Unit | | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| MDL | | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| 019811 | Drill Core | 8.09 | 0.2 | 70.7 | 2.1 | 48 | <0.1 | 16.1 | 25.1 | 516 | 6.92 | 2.1 | <0.1 | 0.7 | 0.3 | 145 | <0.1 | 0.2 | 0.3 | 226 | 2.42 |
| 019812 | Drill Core | 6.32 | 0.1 | 28.4 | 1.7 | 57 | <0.1 | 16.2 | 27.6 | 655 | 7.23 | 2.1 | <0.1 | 0.9 | 0.2 | 84 | <0.1 | 0.2 | 0.4 | 233 | 1.70 |
| 019813 | Drill Core | 10.90 | 0.2 | 71.2 | 2.8 | 46 | <0.1 | 17.5 | 27.9 | 624 | 6.94 | 2.0 | 0.1 | 2.3 | 0.2 | 98 | <0.1 | 0.3 | 1.6 | 163 | 1.70 |
| 019814 | Drill Core | 9.15 | 0.2 | 103.7 | 3.1 | 41 | 0.2 | 21.6 | 23.7 | 718 | 6.02 | 5.2 | 0.1 | 2.8 | 0.2 | 128 | <0.1 | 0.3 | 2.6 | 188 | 1.97 |
| 019815 | Drill Core | 8.99 | 0.2 | 498.6 | 3.6 | 68 | 0.4 | 25.1 | 33.8 | 1001 | 7.78 | 7.1 | 0.1 | 6.6 | 0.2 | 164 | <0.1 | 0.4 | 2.2 | 228 | 3.16 |
| 019816 | Drill Core | 9.56 | 0.2 | 61.4 | 4.2 | 35 | 0.1 | 14.0 | 30.0 | 549 | 5.98 | 3.6 | 0.2 | 1.8 | 0.2 | 178 | <0.1 | 0.3 | 1.6 | 144 | 3.11 |
| 019817 | Drill Core | 7.85 | 0.1 | 139.3 | 5.1 | 75 | 0.2 | 14.8 | 29.6 | 950 | 6.39 | 2.2 | 0.1 | 3.1 | 0.3 | 168 | <0.1 | 0.8 | 0.7 | 178 | 3.37 |
| 019818 | Drill Core | 7.83 | 1.3 | 120.7 | 21.9 | 102 | 0.3 | 10.2 | 27.5 | 1097 | 6.85 | 3.8 | 0.3 | 7.8 | 0.2 | 134 | 0.2 | 0.6 | 3.0 | 210 | 3.25 |
| 019819 | Drill Core | 8.01 | 0.3 | 71.0 | 3.1 | 57 | <0.1 | 13.5 | 21.9 | 755 | 6.44 | 1.8 | 0.2 | 2.0 | 0.3 | 208 | <0.1 | 0.5 | 0.5 | 178 | 3.46 |
| 019820 | Drill Core | 7.92 | 0.6 | 174.1 | 5.0 | 90 | 0.4 | 55.1 | 42.5 | 1289 | 6.29 | 3.1 | 0.2 | 3.7 | 0.3 | 122 | <0.1 | 0.5 | 1.6 | 165 | 4.07 |
| 019821 | Drill Core | 8.69 | 0.2 | 126.6 | 3.2 | 79 | 0.1 | 15.6 | 25.7 | 961 | 6.17 | 0.6 | <0.1 | 5.0 | 0.3 | 90 | <0.1 | 0.3 | 0.4 | 192 | 2.82 |
| 019822 | Drill Core | 6.61 | 0.3 | 120.6 | 1.8 | 44 | <0.1 | 10.5 | 20.4 | 345 | 5.86 | 1.0 | <0.1 | 5.0 | 0.2 | 97 | <0.1 | 0.2 | 0.6 | 211 | 2.17 |
| 019823 | Drill Core | 8.88 | 1.6 | 128.2 | 3.6 | 49 | <0.1 | 11.5 | 20.4 | 441 | 5.65 | 1.4 | <0.1 | 3.9 | 0.2 | 96 | <0.1 | 0.2 | 0.3 | 229 | 2.17 |
| 019824 | Drill Core | 8.51 | 0.3 | 222.5 | 2.5 | 46 | 0.1 | 11.7 | 20.8 | 370 | 5.82 | 1.5 | <0.1 | 4.6 | 0.3 | 116 | <0.1 | 0.2 | 0.1 | 176 | 2.94 |
| 019825 | Drill Core | 7.62 | 0.4 | 77.8 | 1.3 | 68 | <0.1 | 14.5 | 19.4 | 706 | 6.37 | 1.8 | 0.2 | 2.1 | 0.2 | 68 | <0.1 | 0.5 | 0.1 | 185 | 2.18 |
| 019826 | Drill Core | 8.00 | 2.1 | 38.1 | 5.7 | 51 | 0.1 | 16.9 | 38.2 | 824 | 6.81 | 26.4 | 0.6 | 8.4 | 0.2 | 96 | <0.1 | 0.5 | 2.1 | 172 | 3.90 |
| 019827 | Drill Core | 9.40 | 0.2 | 81.4 | 3.7 | 45 | 0.2 | 14.0 | 19.0 | 837 | 5.15 | 12.7 | 0.1 | 3.7 | 0.1 | 82 | <0.1 | 0.5 | 3.4 | 147 | 3.04 |
| 019828 | Drill Core | 7.69 | 11.7 | 80.3 | 2.5 | 41 | 0.1 | 13.9 | 24.8 | 784 | 6.31 | 10.0 | 0.2 | 4.3 | 0.2 | 103 | <0.1 | 0.7 | 2.9 | 182 | 2.43 |
| 019829 | Drill Core | 7.09 | 0.2 | 232.3 | 2.6 | 26 | 0.2 | 11.0 | 22.5 | 429 | 5.71 | 6.4 | 0.1 | 3.3 | 0.2 | 127 | <0.1 | 0.4 | 2.3 | 163 | 2.50 |
| 019830 | Drill Core | 7.79 | 0.4 | 62.2 | 2.4 | 32 | <0.1 | 15.5 | 19.7 | 547 | 5.60 | 4.2 | 0.2 | 2.4 | 0.2 | 163 | <0.1 | 0.3 | 0.8 | 182 | 3.25 |
| 019837 | Drill Core | 8.02 | 4.1 | 157.8 | 4.9 | 59 | 0.3 | 58.1 | 34.2 | 1026 | 5.03 | 8.1 | 0.2 | 3.6 | 0.2 | 159 | 0.2 | 0.7 | 7.8 | 158 | 3.63 |
| 019838 | Drill Core | 6.38 | 3.4 | 516.9 | 4.4 | 61 | 0.4 | 24.9 | 25.4 | 876 | 5.08 | 4.6 | 0.2 | 4.5 | 0.3 | 194 | <0.1 | 0.6 | 8.5 | 161 | 3.68 |
| 019839 | Drill Core | 9.34 | 5.6 | 462.2 | 9.6 | 77 | 0.3 | 16.6 | 16.6 | 761 | 5.52 | 2.2 | 0.3 | 1.6 | 0.2 | 142 | 0.2 | 0.7 | 0.3 | 170 | 3.35 |
| 019840 | Drill Core | 8.71 | 2.4 | 25.3 | 1.9 | 57 | <0.1 | 13.3 | 23.5 | 539 | 6.67 | 2.0 | 0.1 | 1.5 | 0.3 | 125 | <0.1 | 0.3 | 0.3 | 153 | 2.83 |
| 019841 | Drill Core | 7.51 | 2.3 | 31.7 | 2.6 | 49 | <0.1 | 22.7 | 20.9 | 635 | 6.60 | 2.3 | 0.2 | 1.1 | 0.3 | 145 | <0.1 | 0.3 | 0.2 | 163 | 3.19 |
| 019842 | Drill Core | 8.23 | 2.2 | 131.3 | 2.5 | 48 | 0.1 | 12.0 | 19.0 | 519 | 5.79 | 2.4 | 0.2 | 1.4 | 0.3 | 118 | <0.1 | 0.4 | 0.2 | 140 | 2.64 |
| 019843 | Drill Core | 9.29 | 3.1 | 200.6 | 3.8 | 30 | 0.2 | 10.7 | 13.0 | 374 | 4.42 | 3.3 | 0.3 | 0.9 | 0.2 | 117 | <0.1 | 0.4 | 0.3 | 95 | 2.44 |
| 019844 | Drill Core | 8.64 | 1.0 | 34.3 | 5.9 | 49 | 0.1 | 11.9 | 17.2 | 508 | 5.97 | 2.3 | 0.2 | 1.5 | 0.2 | 119 | <0.1 | 0.3 | 0.2 | 166 | 3.12 |
| 019845 | Drill Core | 7.91 | 1.5 | 37.6 | 2.6 | 59 | <0.1 | 14.7 | 18.6 | 702 | 6.67 | 2.3 | 0.2 | 1.2 | 0.3 | 122 | <0.1 | 0.4 | <0.1 | 166 | 3.42 |
| 019846 | Drill Core | 8.84 | 3.7 | 31.1 | 2.9 | 48 | <0.1 | 12.4 | 18.9 | 473 | 6.13 | 2.5 | 0.1 | 0.6 | 0.3 | 137 | <0.1 | 0.3 | 0.2 | 137 | 3.28 |

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Project: Sweeny
Report Date: February 26, 2010

Page: 2 of 3 Part 2

# CERTIFICATE OF ANALYSIS SMI10000046.1

| | Method | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | Unit | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | MDL | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 |
| 019811 | Drill Core | 0.073 | 1 | 37 | 1.40 | 12 | 0.254 | 1 | 4.18 | 0.563 | 0.04 | 0.3 | <0.01 | 4.9 | <0.1 | <0.05 | 10 | <0.5 |
| 019812 | Drill Core | 0.069 | <1 | 37 | 1.81 | 10 | 0.263 | <1 | 3.12 | 0.373 | 0.05 | 0.4 | <0.01 | 6.3 | <0.1 | <0.05 | 8 | <0.5 |
| 019813 | Drill Core | 0.068 | <1 | 37 | 1.52 | 32 | 0.265 | <1 | 2.70 | 0.285 | 0.19 | 11.1 | <0.01 | 6.6 | 0.2 | 0.51 | 7 | <0.5 |
| 019814 | Drill Core | 0.070 | <1 | 45 | 1.64 | 22 | 0.193 | 1 | 3.07 | 0.257 | 0.15 | 3.3 | <0.01 | 5.1 | 0.2 | 0.26 | 7 | <0.5 |
| 019815 | Drill Core | 0.071 | 1 | 45 | 2.77 | 32 | 0.229 | 2 | 5.64 | 0.320 | 0.23 | 1.9 | <0.01 | 7.5 | 0.3 | 0.80 | 12 | <0.5 |
| 019816 | Drill Core | 0.080 | <1 | 31 | 1.43 | 50 | 0.215 | <1 | 4.77 | 0.449 | 0.23 | 10.2 | <0.01 | 4.4 | 0.3 | 0.67 | 9 | <0.5 |
| 019817 | Drill Core | 0.082 | 1 | 33 | 1.95 | 37 | 0.285 | 2 | 4.98 | 0.328 | 0.16 | 0.9 | <0.01 | 6.8 | 0.2 | 0.27 | 10 | <0.5 |
| 019818 | Drill Core | 0.071 | 1 | 20 | 1.95 | 48 | 0.256 | 3 | 3.87 | 0.303 | 0.22 | 4.6 | <0.01 | 9.9 | 0.3 | 0.60 | 10 | <0.5 |
| 019819 | Drill Core | 0.079 | 1 | 35 | 1.81 | 68 | 0.226 | 2 | 5.20 | 0.496 | 0.24 | 2.1 | <0.01 | 6.3 | 0.3 | 0.06 | 11 | <0.5 |
| 019820 | Drill Core | 0.070 | 2 | 119 | 2.72 | 30 | 0.144 | 3 | 4.35 | 0.231 | 0.20 | 1.7 | <0.01 | 9.4 | 0.3 | 0.67 | 9 | <0.5 |
| 019821 | Drill Core | 0.059 | 1 | 36 | 2.04 | 20 | 0.153 | 2 | 4.21 | 0.410 | 0.09 | 0.1 | <0.01 | 8.9 | 0.2 | 0.07 | 8 | <0.5 |
| 019822 | Drill Core | 0.073 | <1 | 29 | 1.16 | 23 | 0.168 | 2 | 3.75 | 0.484 | 0.09 | 0.2 | <0.01 | 3.9 | 0.1 | 0.06 | 8 | <0.5 |
| 019823 | Drill Core | 0.064 | <1 | 30 | 1.25 | 29 | 0.177 | 2 | 3.67 | 0.470 | 0.09 | 0.4 | <0.01 | 4.3 | <0.1 | 0.10 | 8 | <0.5 |
| 019824 | Drill Core | 0.066 | 1 | 31 | 1.07 | 44 | 0.174 | 1 | 4.99 | 0.619 | 0.20 | 0.8 | <0.01 | 4.1 | 0.3 | 0.07 | 9 | <0.5 |
| 019825 | Drill Core | 0.067 | <1 | 34 | 1.94 | 24 | 0.206 | 1 | 3.69 | 0.360 | 0.11 | 1.9 | <0.01 | 5.2 | 0.1 | <0.05 | 8 | <0.5 |
| 019826 | Drill Core | 0.069 | 1 | 38 | 1.38 | 18 | 0.232 | 1 | 4.00 | 0.413 | 0.07 | 94.6 | <0.01 | 7.9 | <0.1 | 1.69 | 9 | 0.9 |
| 019827 | Drill Core | 0.059 | <1 | 31 | 1.32 | 11 | 0.301 | 2 | 2.73 | 0.278 | 0.03 | 3.1 | <0.01 | 6.4 | <0.1 | 0.52 | 7 | <0.5 |
| 019828 | Drill Core | 0.065 | <1 | 36 | 1.80 | 78 | 0.317 | 2 | 3.75 | 0.402 | 0.30 | 20.9 | <0.01 | 7.8 | 0.4 | 0.64 | 9 | <0.5 |
| 019829 | Drill Core | 0.068 | <1 | 38 | 0.88 | 30 | 0.161 | 2 | 3.53 | 0.477 | 0.07 | 1.6 | <0.01 | 4.1 | <0.1 | 0.26 | 8 | <0.5 |
| 019830 | Drill Core | 0.066 | 1 | 47 | 1.31 | 53 | 0.261 | 2 | 5.03 | 0.597 | 0.17 | 3.4 | <0.01 | 6.6 | 0.2 | 0.11 | 9 | <0.5 |
| 019837 | Drill Core | 0.062 | 1 | 89 | 2.23 | 25 | 0.210 | 3 | 4.96 | 0.345 | 0.19 | 23.3 | <0.01 | 5.7 | 0.3 | 0.55 | 11 | <0.5 |
| 019838 | Drill Core | 0.056 | 2 | 42 | 1.83 | 15 | 0.195 | 3 | 5.22 | 0.358 | 0.13 | 3.5 | <0.01 | 5.9 | 0.2 | 0.16 | 10 | <0.5 |
| 019839 | Drill Core | 0.052 | 2 | 20 | 1.61 | 28 | 0.244 | 2 | 4.13 | 0.336 | 0.24 | 2.7 | <0.01 | 7.4 | 0.3 | 0.05 | 9 | <0.5 |
| 019840 | Drill Core | 0.082 | 1 | 32 | 1.76 | 176 | 0.210 | <1 | 5.12 | 0.617 | 0.58 | 1.3 | <0.01 | 5.7 | 0.8 | <0.05 | 11 | <0.5 |
| 019841 | Drill Core | 0.081 | 1 | 46 | 1.90 | 123 | 0.211 | 1 | 5.85 | 0.678 | 0.56 | 0.7 | <0.01 | 5.9 | 0.8 | <0.05 | 12 | <0.5 |
| 019842 | Drill Core | 0.089 | 1 | 30 | 1.66 | 120 | 0.230 | 2 | 4.47 | 0.510 | 0.50 | 20.3 | <0.01 | 8.1 | 0.7 | <0.05 | 9 | <0.5 |
| 019843 | Drill Core | 0.098 | 1 | 27 | 0.66 | 17 | 0.210 | 2 | 2.60 | 0.288 | 0.05 | 18.0 | <0.01 | 4.1 | <0.1 | 0.17 | 6 | <0.5 |
| 019844 | Drill Core | 0.088 | 1 | 29 | 1.03 | 91 | 0.209 | 1 | 4.59 | 0.532 | 0.29 | 2.6 | <0.01 | 4.1 | 0.4 | 0.07 | 9 | <0.5 |
| 019845 | Drill Core | 0.078 | 1 | 36 | 1.70 | 136 | 0.235 | 1 | 5.75 | 0.642 | 0.50 | 3.5 | <0.01 | 5.0 | 0.6 | 0.07 | 12 | <0.5 |
| 019846 | Drill Core | 0.075 | 1 | 31 | 1.23 | 115 | 0.183 | 1 | 5.44 | 0.652 | 0.32 | 1.6 | <0.01 | 4.0 | 0.4 | 0.13 | 11 | <0.5 |

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Project: Sweeny
Report Date: February 26, 2010



# CERTIFICATE OF ANALYSIS SMI10000046.1

| | Method | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| 019847 | Drill Core | 6.59 | 9.4 | 20.1 | 3.0 | 50 | <0.1 | 13.5 | 24.5 | 554 | 6.41 | 1.9 | <0.1 | 2.2 | 0.3 | 117 | <0.1 | 0.3 | 0.1 | 165 | 2.95 |
| 019848 | Drill Core | 7.80 | 5.2 | 177.6 | 11.2 | 120 | 0.2 | 14.9 | 20.0 | 1905 | 5.92 | 2.9 | 0.2 | 6.5 | 0.3 | 65 | 0.1 | 0.3 | 0.4 | 91 | 4.75 |
| 019849 | Drill Core | 8.29 | 4.0 | 128.5 | 7.2 | 55 | 0.2 | 14.9 | 21.4 | 783 | 5.91 | 5.0 | 0.2 | 3.7 | 0.3 | 115 | <0.1 | 0.4 | 0.4 | 134 | 3.59 |
| 019850 | Drill Core | 8.21 | 2.7 | 187.3 | 5.1 | 73 | 0.1 | 46.1 | 21.7 | 1001 | 5.76 | 2.2 | 0.1 | 2.8 | 0.2 | 143 | <0.1 | 0.3 | 0.3 | 151 | 3.66 |
| 019851 | Drill Core | 8.34 | 1.8 | 39.8 | 2.6 | 67 | <0.1 | 13.0 | 22.1 | 721 | 6.52 | 2.3 | 0.1 | 1.1 | 0.3 | 114 | <0.1 | 0.3 | 0.1 | 142 | 2.88 |
| 019852 | Drill Core | 9.85 | 9.5 | 42.9 | 2.5 | 59 | <0.1 | 15.3 | 18.8 | 603 | 6.89 | 2.2 | 0.2 | 1.2 | 0.3 | 126 | <0.1 | 0.3 | 0.3 | 161 | 2.70 |
| 019853 | Drill Core | 9.62 | 10.3 | 246.9 | 3.8 | 68 | 0.2 | 18.4 | 28.1 | 846 | 6.76 | 3.2 | 0.1 | 3.0 | 0.3 | 143 | <0.1 | 0.3 | 0.2 | 169 | 3.39 |
| 019854 | Drill Core | 8.18 | 32.1 | 322.3 | 4.5 | 56 | 0.3 | 5.2 | 9.4 | 651 | 4.35 | 2.4 | 0.4 | 4.0 | 0.7 | 46 | <0.1 | 0.4 | 1.5 | 89 | 2.07 |
| 019855 | Drill Core | 8.99 | 2.9 | 26.0 | 2.8 | 50 | <0.1 | 12.0 | 22.5 | 543 | 6.32 | 2.9 | 0.2 | 1.3 | 0.4 | 159 | <0.1 | 0.3 | 0.2 | 153 | 2.97 |
| 019856 | Drill Core | 9.14 | 0.5 | 22.5 | 2.4 | 28 | <0.1 | 9.8 | 13.6 | 404 | 6.09 | 2.5 | 0.2 | 1.2 | 0.3 | 140 | <0.1 | 0.3 | 0.1 | 137 | 3.36 |
| 019857 | Drill Core | 9.33 | 0.3 | 30.5 | 2.5 | 39 | <0.1 | 11.2 | 18.6 | 391 | 5.98 | 2.0 | <0.1 | 1.8 | 0.2 | 117 | <0.1 | 0.2 | 0.2 | 138 | 2.84 |
| 019858 | Drill Core | 7.52 | 12.8 | 572.8 | 1.7 | 44 | 0.3 | 9.5 | 49.7 | 564 | 6.56 | 12.7 | 0.5 | 3.8 | 0.3 | 118 | <0.1 | 0.5 | 1.2 | 149 | 3.14 |
| 019866 | Drill Core | 8.47 | 18.3 | 168.7 | 5.3 | 51 | 0.1 | 9.0 | 15.3 | 590 | 5.68 | 1.0 | 0.6 | 1.7 | 0.5 | 92 | <0.1 | 0.3 | 0.2 | 146 | 3.30 |
| 019867 | Drill Core | 9.24 | 12.2 | 182.5 | 2.0 | 37 | <0.1 | 8.0 | 11.6 | 480 | 5.49 | 1.6 | 0.4 | 0.6 | 0.4 | 116 | <0.1 | 0.4 | 0.2 | 136 | 3.60 |
| 019868 | Drill Core | 9.22 | 36.7 | 2422 | 3.8 | 66 | 1.2 | 11.3 | 17.9 | 717 | 6.45 | 1.7 | 0.7 | 4.9 | 0.4 | 120 | 0.5 | 0.2 | 0.4 | 204 | 3.19 |
| 019869 | Drill Core | 9.17 | 6.1 | 301.7 | 4.1 | 57 | 0.2 | 17.5 | 21.2 | 711 | 5.36 | 4.9 | 0.4 | 1.0 | 0.3 | 133 | <0.1 | 0.4 | 0.5 | 163 | 3.39 |
| 019870 | Drill Core | 8.99 | 2.1 | 394.2 | 3.2 | 50 | 0.3 | 14.3 | 19.9 | 656 | 4.83 | 3.8 | 0.3 | 0.9 | 0.3 | 121 | <0.1 | 0.4 | 1.8 | 151 | 2.99 |
| 019871 | Drill Core | 7.94 | 1.2 | 97.0 | 2.0 | 43 | <0.1 | 8.3 | 23.5 | 475 | 5.51 | 2.9 | 0.1 | <0.5 | 0.3 | 134 | <0.1 | 0.2 | 0.3 | 135 | 2.35 |
| 019872 | Drill Core | 7.53 | 12.1 | 229.3 | 1.9 | 55 | 0.2 | 16.2 | 29.6 | 680 | 6.82 | 7.5 | 0.2 | 1.0 | 0.2 | 91 | <0.1 | 0.3 | 0.8 | 215 | 2.49 |
| 019873 | Drill Core | 7.96 | 17.4 | 688.2 | 54.2 | 112 | 0.6 | 16.3 | 54.3 | 854 | 6.46 | 14.5 | 1.1 | 4.3 | 0.6 | 50 | 0.7 | 0.5 | 1.3 | 151 | 3.44 |
| 019874 | Drill Core | 8.08 | 0.7 | 113.4 | 11.4 | 90 | 0.1 | 10.1 | 18.5 | 672 | 7.78 | 4.3 | 0.3 | 0.9 | 0.3 | 50 | 0.3 | 0.6 | 0.4 | 209 | 1.96 |
| 019875 | Drill Core | 8.97 | 1.0 | 183.5 | 4.6 | 54 | <0.1 | 8.5 | 16.2 | 671 | 6.94 | 2.3 | 0.3 | 1.3 | 0.3 | 51 | <0.1 | 0.6 | 0.2 | 206 | 1.95 |
| 019876 | Drill Core | 8.78 | 2.6 | 373.1 | 4.4 | 104 | 0.2 | 18.2 | 24.1 | 1199 | 5.96 | 1.7 | 0.5 | 72.0 | 0.8 | 63 | <0.1 | 0.4 | 0.4 | 133 | 3.53 |
| 019877 | Drill Core | 8.49 | 11.5 | 568.3 | 4.4 | 73 | 0.3 | 19.6 | 20.4 | 958 | 5.72 | 2.2 | 0.3 | 19.1 | 0.3 | 108 | 0.1 | 0.4 | 1.1 | 161 | 2.83 |

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Project: Sweeny
Report Date: February 26, 2010



# CERTIFICATE OF ANALYSIS SMI10000046.1

| Method | | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| Unit | | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| MDL | | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 |
| 019847 | Drill Core | 0.074 | 1 | 33 | 1.52 | 178 | 0.172 | <1 | 5.01 | 0.631 | 0.54 | 4.5 | <0.01 | 5.9 | 0.8 | 0.14 | 10 | <0.5 |
| 019848 | Drill Core | 0.109 | 2 | 27 | 1.69 | 42 | 0.073 | 2 | 2.94 | 0.139 | 0.30 | 13.9 | <0.01 | 9.3 | 0.4 | 0.21 | 7 | <0.5 |
| 019849 | Drill Core | 0.095 | 1 | 31 | 1.39 | 54 | 0.220 | 1 | 4.11 | 0.438 | 0.19 | 26.3 | <0.01 | 7.0 | 0.2 | 0.21 | 9 | <0.5 |
| 019850 | Drill Core | 0.086 | 2 | 86 | 2.03 | 63 | 0.163 | 2 | 4.63 | 0.398 | 0.49 | 5.0 | <0.01 | 6.3 | 0.8 | 0.14 | 9 | <0.5 |
| 019851 | Drill Core | 0.085 | 1 | 30 | 1.53 | 77 | 0.182 | 2 | 4.56 | 0.557 | 0.24 | 6.1 | <0.01 | 6.6 | 0.4 | <0.05 | 10 | <0.5 |
| 019852 | Drill Core | 0.085 | 1 | 34 | 1.78 | 133 | 0.172 | 1 | 4.74 | 0.566 | 0.55 | 13.5 | <0.01 | 6.7 | 0.9 | 0.06 | 11 | <0.5 |
| 019853 | Drill Core | 0.080 | 1 | 35 | 1.78 | 117 | 0.173 | 1 | 4.82 | 0.549 | 0.64 | 1.7 | <0.01 | 7.3 | 1.0 | 0.25 | 12 | <0.5 |
| 019854 | Drill Core | 0.095 | 3 | 9 | 1.04 | 63 | 0.136 | 1 | 2.37 | 0.235 | 0.25 | 8.4 | <0.01 | 5.3 | 0.3 | 0.12 | 7 | <0.5 |
| 019855 | Drill Core | 0.101 | 2 | 29 | 1.42 | 141 | 0.198 | 2 | 5.25 | 0.645 | 0.49 | 2.1 | <0.01 | 6.5 | 0.7 | 0.10 | 12 | <0.5 |
| 019856 | Drill Core | 0.096 | 1 | 31 | 0.79 | 49 | 0.187 | 1 | 4.96 | 0.671 | 0.11 | 1.0 | <0.01 | 4.5 | 0.1 | 0.07 | 10 | <0.5 |
| 019857 | Drill Core | 0.075 | <1 | 27 | 1.08 | 91 | 0.133 | <1 | 5.01 | 0.620 | 0.24 | 0.4 | <0.01 | 4.0 | 0.2 | 0.06 | 10 | <0.5 |
| 019858 | Drill Core | 0.083 | 2 | 19 | 1.29 | 20 | 0.239 | 3 | 4.65 | 0.372 | 0.11 | 21.5 | <0.01 | 6.7 | 0.1 | 1.21 | 10 | 1.4 |
| 019866 | Drill Core | 0.077 | 2 | 21 | 1.34 | 43 | 0.175 | 2 | 4.69 | 0.379 | 0.20 | 4.5 | <0.01 | 7.5 | 0.3 | 0.05 | 10 | <0.5 |
| 019867 | Drill Core | 0.073 | 2 | 21 | 1.00 | 40 | 0.230 | 1 | 5.09 | 0.437 | 0.21 | 45.0 | <0.01 | 5.9 | 0.4 | <0.05 | 10 | <0.5 |
| 019868 | Drill Core | 0.094 | 2 | 23 | 1.69 | 74 | 0.258 | 2 | 5.31 | 0.474 | 0.44 | 11.5 | <0.01 | 8.9 | 0.7 | 0.27 | 11 | 1.0 |
| 019869 | Drill Core | 0.072 | 2 | 13 | 1.58 | 22 | 0.224 | 7 | 5.30 | 0.464 | 0.14 | 2.8 | <0.01 | 5.8 | 0.2 | 0.21 | 10 | 0.6 |
| 019870 | Drill Core | 0.076 | 2 | 14 | 1.63 | 20 | 0.247 | 2 | 4.48 | 0.339 | 0.14 | 14.0 | <0.01 | 8.1 | 0.2 | 0.12 | 9 | 0.5 |
| 019871 | Drill Core | 0.084 | 1 | 13 | 1.81 | 213 | 0.238 | 1 | 5.51 | 0.484 | 0.95 | 1.1 | <0.01 | 11.7 | 1.4 | 0.11 | 12 | <0.5 |
| 019872 | Drill Core | 0.089 | 2 | 19 | 1.81 | 55 | 0.246 | 2 | 4.09 | 0.319 | 0.32 | 4.2 | <0.01 | 11.4 | 0.6 | 0.37 | 9 | <0.5 |
| 019873 | Drill Core | 0.088 | 3 | 20 | 1.22 | 15 | 0.119 | <1 | 2.41 | 0.091 | 0.15 | 38.5 | <0.01 | 14.3 | 0.2 | 1.25 | 8 | 1.1 |
| 019874 | Drill Core | 0.101 | 1 | 18 | 1.35 | 17 | 0.248 | <1 | 2.42 | 0.210 | 0.10 | 4.3 | <0.01 | 11.9 | 0.1 | 0.24 | 8 | 0.5 |
| 019875 | Drill Core | 0.083 | 1 | 17 | 1.24 | 8 | 0.283 | 1 | 2.15 | 0.162 | 0.06 | 3.9 | <0.01 | 10.3 | <0.1 | 0.08 | 8 | <0.5 |
| 019876 | Drill Core | 0.069 | 3 | 28 | 1.58 | 40 | 0.136 | <1 | 2.89 | 0.124 | 0.32 | 0.9 | <0.01 | 11.0 | 0.4 | 0.20 | 8 | <0.5 |
| 019877 | Drill Core | 0.064 | 2 | 45 | 1.76 | 37 | 0.213 | <1 | 3.44 | 0.163 | 0.35 | 4.0 | <0.01 | 12.3 | 0.5 | 0.18 | 9 | 0.6 |

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Project: Sweeny
Report Date: February 26, 2010



# QUALITY CONTROL REPORT SMI10000046.1

| | Method | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 019814 | Drill Core | 9.15 | 0.2 | 103.7 | 3.1 | 41 | 0.2 | 21.6 | 23.7 | 718 | 6.02 | 5.2 | 0.1 | 2.8 | 0.2 | 128 | <0.1 | 0.3 | 2.6 | 188 | 1.97 |
| REP 019814 | QC | | 0.2 | 102.3 | 3.2 | 44 | 0.2 | 22.0 | 24.1 | 706 | 6.00 | 5.0 | 0.1 | 2.4 | 0.2 | 137 | <0.1 | 0.4 | 2.5 | 188 | 1.98 |
| 019830 | Drill Core | 7.79 | 0.4 | 62.2 | 2.4 | 32 | <0.1 | 15.5 | 19.7 | 547 | 5.60 | 4.2 | 0.2 | 2.4 | 0.2 | 163 | <0.1 | 0.3 | 0.8 | 182 | 3.25 |
| REP 019830 | QC | | 0.4 | 61.3 | 2.1 | 32 | <0.1 | 16.3 | 17.9 | 546 | 5.48 | 4.0 | 0.1 | 2.5 | 0.2 | 164 | <0.1 | 0.3 | 0.7 | 179 | 3.22 |
| 019871 | Drill Core | 7.94 | 1.2 | 97.0 | 2.0 | 43 | <0.1 | 8.3 | 23.5 | 475 | 5.51 | 2.9 | 0.1 | <0.5 | 0.3 | 134 | <0.1 | 0.2 | 0.3 | 135 | 2.35 |
| REP 019871 | QC | | 1.3 | 93.2 | 1.9 | 43 | <0.1 | 7.9 | 23.1 | 455 | 5.54 | 3.1 | 0.1 | 0.6 | 0.3 | 128 | <0.1 | 0.1 | 0.3 | 134 | 2.35 |
| Core Reject Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 019822 | Drill Core | 6.61 | 0.3 | 120.6 | 1.8 | 44 | <0.1 | 10.5 | 20.4 | 345 | 5.86 | 1.0 | <0.1 | 5.0 | 0.2 | 97 | <0.1 | 0.2 | 0.6 | 211 | 2.17 |
| DUP 019822 | QC | | 0.3 | 122.9 | 1.6 | 47 | <0.1 | 11.3 | 21.3 | 390 | 5.86 | 1.1 | <0.1 | 2.7 | 0.2 | 89 | <0.1 | 0.2 | 0.6 | 214 | 2.34 |
| 019870 | Drill Core | 8.99 | 2.1 | 394.2 | 3.2 | 50 | 0.3 | 14.3 | 19.9 | 656 | 4.83 | 3.8 | 0.3 | 0.9 | 0.3 | 121 | <0.1 | 0.4 | 1.8 | 151 | 2.99 |
| DUP 019870 | QC | | 2.2 | 384.4 | 2.9 | 49 | 0.3 | 14.1 | 21.0 | 659 | 4.80 | 3.8 | 0.3 | 1.6 | 0.3 | 121 | <0.1 | 0.4 | 1.7 | 152 | 3.05 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS7 | Standard | | 20.7 | 120.8 | 71.7 | 396 | 0.8 | 51.8 | 9.5 | 632 | 2.44 | 51.9 | 5.2 | 63.8 | 4.5 | 77 | 6.9 | 6.6 | 5.1 | 84 | 0.98 |
| STD DS7 | Standard | | 20.8 | 119.6 | 71.6 | 390 | 0.8 | 52.0 | 9.2 | 627 | 2.42 | 52.7 | 5.2 | 61.6 | 4.7 | 77 | 6.6 | 6.4 | 4.9 | 82 | 0.98 |
| STD DS7 | Standard | | 20.9 | 108.1 | 69.5 | 381 | 0.9 | 61.1 | 10.3 | 652 | 2.49 | 52.1 | 4.8 | 54.9 | 4.6 | 75 | 6.2 | 6.2 | 4.8 | 84 | 0.99 |
| STD DS7 | Standard | | 20.9 | 113.5 | 69.6 | 402 | 0.9 | 60.7 | 10.5 | 674 | 2.51 | 49.8 | 5.1 | 58.1 | 4.8 | 77 | 6.6 | 6.1 | 4.7 | 85 | 1.01 |
| STD DS7 | Standard | | 20.7 | 108.5 | 73.8 | 384 | 0.9 | 60.9 | 10.5 | 637 | 2.53 | 49.2 | 5.5 | 80.8 | 5.2 | 79 | 6.1 | 6.2 | 4.9 | 87 | 1.00 |
| STD DS7 | Standard | | 21.0 | 111.3 | 64.7 | 391 | 0.8 | 58.1 | 10.2 | 680 | 2.47 | 51.6 | 4.5 | 56.8 | 4.3 | 76 | 6.3 | 5.8 | 4.2 | 84 | 0.99 |
| STD DS7 Expected | | | 20.5 | 109 | 70.6 | 411 | 0.9 | 56 | 9.7 | 627 | 2.39 | 48.2 | 4.9 | 70 | 4.4 | 69 | 6.4 | 4.6 | 4.5 | 84 | 0.93 |
| BLK | Blank | | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| BLK | Blank | | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| BLK | Blank | | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| Prep Wash | | | | | | | | | | | | | | | | | | | | | |
| G1 | Prep Blank | | 0.4 | 9.7 | 3.8 | 46 | <0.1 | 4.6 | 5.0 | 546 | 2.13 | <0.5 | 3.0 | 0.7 | 7.2 | 61 | <0.1 | <0.1 | 0.1 | 37 | 0.56 |
| G1 | Prep Blank | | 0.2 | 8.7 | 5.0 | 46 | <0.1 | 2.8 | 4.8 | 583 | 2.07 | 0.7 | 2.1 | <0.5 | 5.9 | 57 | <0.1 | <0.1 | <0.1 | 39 | 0.53 |

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Project: Sweeny
Report Date: February 26, 2010



# QUALITY CONTROL REPORT SMI10000046.1

| | Method | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | Unit | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | MDL | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | |
| 019814 | Drill Core | 0.070 | <1 | 45 | 1.64 | 22 | 0.193 | 1 | 3.07 | 0.257 | 0.15 | 3.3 | <0.01 | 5.1 | 0.2 | 0.26 | 7 | <0.5 |
| REP 019814 | QC | 0.072 | <1 | 47 | 1.68 | 22 | 0.196 | <1 | 3.09 | 0.263 | 0.16 | 3.5 | <0.01 | 5.0 | 0.2 | 0.26 | 8 | <0.5 |
| 019830 | Drill Core | 0.066 | 1 | 47 | 1.31 | 53 | 0.261 | 2 | 5.03 | 0.597 | 0.17 | 3.4 | <0.01 | 6.6 | 0.2 | 0.11 | 9 | <0.5 |
| REP 019830 | QC | 0.066 | 1 | 45 | 1.29 | 48 | 0.246 | 2 | 4.91 | 0.591 | 0.18 | 3.2 | <0.01 | 6.8 | 0.2 | 0.10 | 9 | <0.5 |
| 019871 | Drill Core | 0.084 | 1 | 13 | 1.81 | 213 | 0.238 | 1 | 5.51 | 0.484 | 0.95 | 1.1 | <0.01 | 11.7 | 1.4 | 0.11 | 12 | <0.5 |
| REP 019871 | QC | 0.083 | 1 | 12 | 1.80 | 211 | 0.233 | <1 | 5.53 | 0.484 | 0.92 | 1.0 | <0.01 | 11.1 | 1.4 | 0.11 | 11 | <0.5 |
| Core Reject Duplicates | | | | | | | | | | | | | | | | | | |
| 019822 | Drill Core | 0.073 | <1 | 29 | 1.16 | 23 | 0.168 | 2 | 3.75 | 0.484 | 0.09 | 0.2 | <0.01 | 3.9 | 0.1 | 0.06 | 8 | <0.5 |
| DUP 019822 | QC | 0.069 | <1 | 31 | 1.24 | 26 | 0.180 | 2 | 4.00 | 0.523 | 0.09 | 0.2 | <0.01 | 4.5 | <0.1 | 0.06 | 9 | <0.5 |
| 019870 | Drill Core | 0.076 | 2 | 14 | 1.63 | 20 | 0.247 | 2 | 4.48 | 0.339 | 0.14 | 14.0 | <0.01 | 8.1 | 0.2 | 0.12 | 9 | 0.5 |
| DUP 019870 | QC | 0.072 | 2 | 15 | 1.61 | 20 | 0.266 | 3 | 4.53 | 0.349 | 0.15 | 18.2 | <0.01 | 8.5 | 0.2 | 0.13 | 8 | <0.5 |
| Reference Materials | | | | | | | | | | | | | | | | | | |
| STD DS7 | Standard | 0.080 | 13 | 191 | 1.07 | 419 | 0.149 | 40 | 1.06 | 0.094 | 0.49 | 3.9 | 0.20 | 2.5 | 3.9 | 0.20 | 5 | 3.3 |
| STD DS7 | Standard | 0.078 | 13 | 187 | 1.06 | 399 | 0.148 | 37 | 1.07 | 0.092 | 0.46 | 3.9 | 0.18 | 2.5 | 4.0 | 0.20 | 5 | 4.0 |
| STD DS7 | Standard | 0.082 | 13 | 218 | 1.08 | 420 | 0.135 | 41 | 1.08 | 0.095 | 0.51 | 3.9 | 0.21 | 2.2 | 4.1 | 0.20 | 5 | 3.5 |
| STD DS7 | Standard | 0.087 | 13 | 220 | 1.08 | 434 | 0.142 | 44 | 1.10 | 0.098 | 0.45 | 4.1 | 0.21 | 2.2 | 4.2 | 0.20 | 5 | 3.8 |
| STD DS7 | Standard | 0.087 | 13 | 218 | 1.09 | 442 | 0.133 | 50 | 1.08 | 0.093 | 0.46 | 4.1 | 0.20 | 2.1 | 4.2 | 0.21 | 5 | 3.3 |
| STD DS7 | Standard | 0.080 | 12 | 230 | 1.07 | 418 | 0.133 | 44 | 1.06 | 0.092 | 0.46 | 4.2 | 0.20 | 2.2 | 3.7 | 0.20 | 5 | 3.9 |
| STD DS7 Expected | | 0.08 | 12 | 179 | 1.05 | 370 | 0.124 | 39 | 0.959 | 0.089 | 0.44 | 3.4 | 0.2 | 2.5 | 4.2 | 0.19 | 5 | 3.5 |
| BLK | Blank | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 |
| BLK | Blank | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 |
| BLK | Blank | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 |
| Prep Wash | | | | | | | | | | | | | | | | | | |
| G1 | Prep Blank | 0.088 | 11 | 10 | 0.55 | 189 | 0.130 | <1 | 1.05 | 0.099 | 0.53 | 0.3 | <0.01 | 1.6 | 0.3 | <0.05 | 5 | <0.5 |
| G1 | Prep Blank | 0.086 | 11 | 8 | 0.54 | 173 | 0.145 | <1 | 0.98 | 0.094 | 0.49 | 0.1 | <0.01 | 1.6 | 0.3 | <0.05 | 5 | <0.5 |

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**Client:** **Nanika Resources Inc**
#725, 625 Howe Street
Vancouver BC V6C 2T6 Canada

| | |
|---|---|
| Submitted By: | James Jacuta |
| Receiving Lab: | Canada-Smithers |
| Received: | April 19, 2010 |
| Report Date: | April 29, 2010 |
| Page: | 1 of 4 |

# CERTIFICATE OF ANALYSIS SMI10000110.1

## CLIENT JOB INFORMATION

| | |
|---|---|
| Project: | Sweeny |
| Shipment ID: | |
| P.O. Number | |
| Number of Samples: | 90 |

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|---|---|---|---|---|---|
| R200-250 | 90 | Crush, split and pulverize 250 g rock to 200 mesh | | | SMI |
| 1DX3 | 90 | 1:1:1 Aqua Regia digestion ICP-MS analysis | 30 | Completed | VAN |

## SAMPLE DISPOSAL

| | |
|---|---|
| STOR-PLP | Store After 90 days Invoice for Storage |
| STOR-RJT | Store After 90 days Invoice for Storage |

## ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Nanika Resources Inc
#725, 625 Howe Street
Vancouver BC V6C 2T6
Canada

CC: Don MacIntyre


This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **Nanika Resources Inc**
#725, 625 Howe Street
Vancouver BC V6C 2T6 Canada

Project: Sweeny
Report Date: April 29, 2010



## CERTIFICATE OF ANALYSIS SMI10000110.1

| | Method | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| 019896 | Drill Core | 4.98 | 0.9 | 256.1 | 46.3 | 74 | 0.7 | 1.3 | 33.1 | 850 | 5.11 | 28.6 | 0.2 | 7.4 | 0.3 | 38 | 0.3 | 1.8 | 4.2 | 88 | 1.59 |
| 019897 | Drill Core | 9.13 | 71.5 | 247.3 | 5.7 | 47 | 0.4 | 22.1 | 22.8 | 936 | 5.11 | 7.8 | 0.2 | 4.9 | 0.4 | 53 | 0.2 | 1.1 | 3.1 | 186 | 1.99 |
| 019898 | Drill Core | 8.81 | 0.7 | 349.9 | 34.1 | 101 | 0.5 | 16.2 | 14.7 | 916 | 5.46 | 23.1 | 0.2 | 5.5 | 0.4 | 49 | 0.5 | 1.6 | 2.3 | 163 | 1.99 |
| 019899 | Drill Core | 6.61 | 4.7 | 347.2 | 229.6 | 399 | 2.1 | 1.5 | 18.1 | 872 | 5.26 | 87.3 | 0.3 | 8.1 | 0.5 | 39 | 2.6 | 5.4 | 16.4 | 88 | 1.98 |
| 019900 | Drill Core | 7.80 | 0.9 | 268.6 | 155.7 | 361 | 0.9 | 1.4 | 18.0 | 1072 | 5.59 | 56.6 | 0.2 | 4.5 | 0.4 | 55 | 2.6 | 3.4 | 4.3 | 103 | 2.31 |
| 019901 | Drill Core | 8.34 | 1.3 | 185.9 | 121.2 | 319 | 0.5 | 3.4 | 19.1 | 1504 | 6.18 | 26.3 | 0.2 | 7.6 | 0.3 | 53 | 2.0 | 1.4 | 5.7 | 167 | 2.59 |
| 019902 | Drill Core | 8.23 | 1.8 | 220.3 | 172.0 | 279 | 0.6 | 1.0 | 16.0 | 1232 | 4.98 | 26.3 | 0.2 | 5.1 | 0.4 | 46 | 1.9 | 1.5 | 1.8 | 98 | 2.18 |
| 019903 | Drill Core | 9.30 | 0.6 | 87.3 | 126.6 | 311 | 0.3 | 2.7 | 13.3 | 1066 | 4.67 | 7.9 | 0.2 | 3.8 | 0.4 | 53 | 2.2 | 0.6 | 2.1 | 101 | 2.10 |
| 019904 | Drill Core | 8.59 | 0.3 | 54.6 | 54.9 | 127 | 0.3 | 4.3 | 14.7 | 1602 | 4.59 | 8.0 | 0.2 | 3.5 | 0.4 | 52 | 0.5 | 0.5 | 1.9 | 112 | 2.35 |
| 019905 | Drill Core | 7.67 | 5.4 | 153.5 | 77.1 | 175 | 0.4 | 4.7 | 17.7 | 1246 | 5.13 | 34.9 | 0.2 | 5.7 | 0.4 | 64 | 1.1 | 1.5 | 2.5 | 128 | 3.17 |
| 019906 | Drill Core | 8.90 | 4.2 | 220.4 | 7.9 | 49 | 0.3 | 3.7 | 15.5 | 799 | 4.41 | 14.8 | 0.2 | 3.4 | 0.5 | 55 | 0.2 | 1.0 | 4.5 | 80 | 2.00 |
| 019907 | Drill Core | 7.91 | 1.9 | 215.9 | 10.8 | 58 | 0.3 | 6.7 | 14.3 | 825 | 4.56 | 13.3 | 0.2 | 2.3 | 0.5 | 57 | 0.2 | 0.9 | 2.2 | 92 | 1.99 |
| 019908 | Drill Core | 6.67 | 1.0 | 394.5 | 13.6 | 72 | 0.7 | 11.4 | 23.4 | 993 | 4.69 | 25.6 | 0.3 | 5.3 | 0.5 | 88 | 0.3 | 1.0 | 2.8 | 135 | 3.48 |
| 019909 | Drill Core | 6.97 | 0.3 | 76.6 | 5.4 | 42 | 0.2 | 15.2 | 20.4 | 834 | 5.34 | 14.2 | 0.2 | 1.3 | 0.2 | 87 | 0.1 | 1.0 | 1.8 | 142 | 2.99 |
| 019910 | Drill Core | 6.09 | <0.1 | 17.5 | 2.1 | 34 | <0.1 | 12.9 | 12.2 | 713 | 5.80 | 3.1 | 0.2 | <0.5 | 0.3 | 74 | <0.1 | 0.4 | 0.9 | 180 | 1.88 |
| 019911 | Drill Core | 9.49 | 0.4 | 39.2 | 7.1 | 55 | 0.1 | 17.8 | 15.9 | 807 | 5.41 | 2.5 | <0.1 | 2.6 | 0.2 | 112 | 0.1 | 0.6 | 1.4 | 199 | 2.33 |
| 019912 | Drill Core | 7.92 | 1.5 | 225.4 | 1.8 | 50 | 0.2 | 15.2 | 20.1 | 762 | 5.80 | 2.5 | 0.1 | 1.6 | 0.3 | 144 | <0.1 | 0.6 | 0.4 | 216 | 2.29 |
| 019913 | Drill Core | 6.78 | 0.3 | 373.2 | 2.4 | 43 | 0.4 | 4.3 | 17.5 | 789 | 5.59 | 2.5 | 0.1 | 4.7 | 0.3 | 219 | 0.1 | 0.8 | 0.4 | 154 | 2.65 |
| 019914 | Drill Core | 8.54 | 0.2 | 108.1 | 2.2 | 45 | 0.2 | 17.1 | 19.7 | 584 | 6.21 | 1.9 | 0.1 | 1.7 | 0.3 | 127 | <0.1 | 0.4 | 0.3 | 220 | 2.34 |
| 019915 | Drill Core | 7.19 | 0.2 | 53.5 | 9.1 | 72 | 0.2 | 22.0 | 23.1 | 1823 | 6.47 | 3.5 | 0.1 | 3.8 | 0.3 | 109 | <0.1 | 0.7 | 0.9 | 196 | 3.97 |
| 019916 | Drill Core | 7.29 | 3.2 | 35.0 | 5.1 | 68 | 0.2 | 23.3 | 31.4 | 1998 | 6.50 | 5.2 | 0.1 | 4.1 | 0.3 | 82 | <0.1 | 0.7 | 1.0 | 192 | 4.36 |
| 019917 | Drill Core | 3.82 | 0.2 | 22.4 | 2.8 | 57 | <0.1 | 16.1 | 20.4 | 728 | 4.98 | 1.7 | <0.1 | 1.6 | 0.2 | 125 | <0.1 | 0.9 | 0.3 | 164 | 2.08 |
| 019918 | Drill Core | 8.67 | 0.1 | 119.4 | 2.8 | 63 | 0.1 | 17.8 | 25.8 | 1045 | 5.92 | 3.7 | 0.1 | 1.9 | 0.3 | 158 | <0.1 | 1.0 | 0.6 | 200 | 3.43 |
| 019919 | Drill Core | 6.78 | 0.7 | 142.5 | 2.4 | 56 | 0.2 | 5.9 | 14.4 | 1095 | 4.45 | 9.6 | 0.3 | 0.5 | 0.6 | 86 | <0.1 | 0.6 | 1.8 | 101 | 3.20 |
| 019920 | Drill Core | 8.81 | 0.8 | 72.6 | 2.8 | 35 | <0.1 | 0.6 | 8.8 | 546 | 4.08 | 3.4 | 0.3 | 1.7 | 0.5 | 45 | 0.1 | 0.5 | 0.6 | 58 | 1.22 |
| 019921 | Drill Core | 7.81 | 5.2 | 140.3 | 3.2 | 38 | 0.2 | 0.8 | 9.7 | 480 | 4.09 | 3.0 | 0.2 | 1.9 | 0.5 | 34 | <0.1 | 0.4 | 0.7 | 56 | 1.11 |
| 019922 | Drill Core | 8.62 | 2.0 | 175.4 | 10.2 | 68 | 0.3 | 0.9 | 25.2 | 567 | 4.51 | 6.7 | 0.2 | 4.3 | 0.4 | 42 | 0.6 | 0.5 | 1.9 | 75 | 1.33 |
| 019923 | Drill Core | 8.78 | 1.3 | 237.6 | 59.8 | 193 | 2.8 | 0.9 | 18.6 | 1257 | 4.41 | 5.7 | 0.3 | 6.5 | 0.5 | 32 | 1.2 | 0.5 | 6.4 | 55 | 2.49 |
| 019924 | Drill Core | 9.01 | 4.8 | 138.3 | 14.5 | 95 | 0.3 | 0.5 | 12.0 | 736 | 4.65 | 8.8 | 0.3 | 2.9 | 0.5 | 36 | 0.7 | 0.5 | 1.4 | 67 | 1.56 |
| 019925 | Drill Core | 9.30 | 0.8 | 225.7 | 12.6 | 66 | 0.3 | 7.1 | 13.5 | 721 | 4.44 | 6.1 | 0.2 | 1.7 | 0.5 | 40 | 0.5 | 0.5 | 1.8 | 97 | 1.60 |

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Client: **Nanika Resources Inc**
#725, 625 Howe Street
Vancouver BC V6C 2T6 Canada

Project: Sweeny
Report Date: April 29, 2010



# CERTIFICATE OF ANALYSIS SMI10000110.1

| Method | | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Analyte | | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| Unit | | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| MDL | | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 |
| 019896 | Drill Core | 0.065 | 2 | 3 | 1.12 | 48 | 0.138 | 1 | 2.41 | 0.173 | 0.15 | 0.9 | <0.01 | 7.2 | 0.3 | 1.84 | 8 | 0.9 | 0.3 |
| 019897 | Drill Core | 0.063 | 2 | 40 | 1.51 | 55 | 0.226 | 1 | 2.77 | 0.249 | 0.21 | 7.1 | <0.01 | 11.8 | 0.5 | 1.25 | 9 | <0.5 | 0.2 |
| 019898 | Drill Core | 0.061 | 2 | 31 | 1.47 | 44 | 0.196 | <1 | 2.68 | 0.223 | 0.18 | 2.4 | <0.01 | 11.2 | 0.4 | 1.80 | 9 | 0.6 | 0.3 |
| 019899 | Drill Core | 0.068 | 4 | 3 | 1.10 | 39 | 0.112 | 1 | 2.36 | 0.109 | 0.24 | 2.4 | <0.01 | 8.4 | 0.5 | 2.00 | 8 | 0.8 | 1.0 |
| 019900 | Drill Core | 0.068 | 3 | 2 | 1.24 | 120 | 0.133 | <1 | 2.90 | 0.204 | 0.49 | 2.1 | <0.01 | 9.4 | 1.0 | 1.79 | 9 | 0.5 | 0.6 |
| 019901 | Drill Core | 0.060 | 2 | 5 | 1.44 | 106 | 0.181 | <1 | 3.00 | 0.212 | 0.32 | 1.5 | <0.01 | 14.0 | 0.7 | 1.39 | 10 | 0.6 | 1.9 |
| 019902 | Drill Core | 0.073 | 3 | 2 | 1.14 | 153 | 0.128 | <1 | 2.75 | 0.223 | 0.56 | 0.8 | <0.01 | 11.6 | 1.2 | 1.31 | 9 | <0.5 | 0.5 |
| 019903 | Drill Core | 0.057 | 2 | 9 | 1.17 | 163 | 0.172 | <1 | 3.29 | 0.337 | 0.59 | 1.2 | <0.01 | 10.3 | 1.0 | 0.63 | 9 | <0.5 | 0.7 |
| 019904 | Drill Core | 0.050 | 2 | 12 | 1.29 | 158 | 0.183 | <1 | 3.01 | 0.286 | 0.62 | 0.6 | <0.01 | 11.4 | 1.0 | 0.59 | 9 | <0.5 | 0.4 |
| 019905 | Drill Core | 0.050 | 2 | 16 | 1.32 | 115 | 0.163 | 1 | 3.06 | 0.255 | 0.38 | 0.7 | <0.01 | 12.7 | 0.8 | 1.09 | 9 | <0.5 | 0.2 |
| 019906 | Drill Core | 0.075 | 2 | 11 | 1.16 | 65 | 0.167 | 1 | 2.60 | 0.175 | 0.22 | 0.7 | <0.01 | 8.5 | 0.4 | 1.21 | 8 | 0.5 | 0.3 |
| 019907 | Drill Core | 0.077 | 2 | 20 | 1.19 | 62 | 0.187 | <1 | 2.73 | 0.204 | 0.19 | 0.8 | <0.01 | 11.2 | 0.4 | 1.07 | 9 | <0.5 | <0.2 |
| 019908 | Drill Core | 0.073 | 3 | 26 | 1.39 | 19 | 0.234 | <1 | 2.64 | 0.112 | 0.10 | 1.3 | <0.01 | 13.0 | 0.3 | 1.26 | 9 | 0.7 | <0.2 |
| 019909 | Drill Core | 0.066 | 1 | 29 | 1.20 | 15 | 0.274 | 1 | 1.89 | 0.129 | 0.05 | 1.0 | <0.01 | 10.4 | 0.2 | 0.67 | 6 | 0.6 | 0.4 |
| 019910 | Drill Core | 0.066 | 2 | 31 | 1.18 | 23 | 0.243 | <1 | 2.05 | 0.261 | 0.11 | 0.6 | <0.01 | 8.0 | 0.2 | 0.24 | 8 | <0.5 | 0.2 |
| 019911 | Drill Core | 0.062 | 2 | 26 | 1.60 | 26 | 0.199 | <1 | 3.12 | 0.386 | 0.13 | 0.6 | <0.01 | 7.4 | 0.2 | 0.16 | 9 | <0.5 | <0.2 |
| 019912 | Drill Core | 0.070 | 1 | 31 | 1.63 | 28 | 0.235 | <1 | 3.25 | 0.326 | 0.21 | 1.4 | <0.01 | 7.7 | 0.3 | 0.14 | 10 | <0.5 | <0.2 |
| 019913 | Drill Core | 0.065 | 2 | 12 | 1.36 | 11 | 0.227 | 2 | 3.66 | 0.183 | 0.08 | 0.4 | <0.01 | 9.6 | <0.1 | 0.11 | 10 | <0.5 | <0.2 |
| 019914 | Drill Core | 0.073 | 2 | 43 | 1.41 | 14 | 0.217 | <1 | 3.40 | 0.485 | 0.05 | 0.4 | <0.01 | 7.8 | <0.1 | 0.07 | 9 | <0.5 | <0.2 |
| 019915 | Drill Core | 0.059 | 2 | 34 | 1.93 | 36 | 0.213 | 2 | 3.29 | 0.229 | 0.29 | 0.4 | <0.01 | 13.7 | 0.4 | 0.17 | 9 | <0.5 | 0.2 |
| 019916 | Drill Core | 0.064 | 3 | 28 | 2.22 | 39 | 0.167 | 2 | 3.23 | 0.205 | 0.36 | 0.9 | <0.01 | 11.8 | 0.5 | 0.43 | 10 | <0.5 | 0.3 |
| 019917 | Drill Core | 0.053 | 1 | 35 | 1.81 | 15 | 0.205 | 1 | 2.57 | 0.127 | 0.08 | 0.5 | <0.01 | 8.7 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| 019918 | Drill Core | 0.057 | 2 | 38 | 1.90 | 28 | 0.272 | 2 | 3.67 | 0.262 | 0.14 | 0.6 | <0.01 | 14.2 | 0.2 | 0.09 | 11 | <0.5 | <0.2 |
| 019919 | Drill Core | 0.062 | 3 | 11 | 1.48 | 34 | 0.219 | 2 | 2.85 | 0.082 | 0.17 | 1.3 | <0.01 | 12.0 | 0.3 | 0.25 | 10 | <0.5 | 0.2 |
| 019920 | Drill Core | 0.065 | 4 | 4 | 0.88 | 35 | 0.174 | 1 | 1.46 | 0.103 | 0.12 | 0.8 | <0.01 | 10.1 | 0.2 | 0.26 | 8 | <0.5 | <0.2 |
| 019921 | Drill Core | 0.065 | 3 | 3 | 0.85 | 49 | 0.155 | <1 | 1.46 | 0.103 | 0.17 | 0.7 | <0.01 | 8.9 | 0.3 | 0.25 | 7 | <0.5 | <0.2 |
| 019922 | Drill Core | 0.064 | 2 | 4 | 0.94 | 37 | 0.152 | <1 | 1.91 | 0.174 | 0.13 | 0.6 | <0.01 | 9.2 | 0.2 | 0.56 | 7 | <0.5 | <0.2 |
| 019923 | Drill Core | 0.064 | 4 | 2 | 0.85 | 46 | 0.097 | <1 | 1.76 | 0.086 | 0.26 | 0.6 | <0.01 | 8.5 | 0.4 | 0.64 | 7 | <0.5 | 0.3 |
| 019924 | Drill Core | 0.064 | 3 | 4 | 0.94 | 45 | 0.157 | <1 | 1.86 | 0.137 | 0.15 | 1.5 | <0.01 | 9.8 | 0.3 | 0.85 | 8 | <0.5 | 0.5 |
| 019925 | Drill Core | 0.058 | 2 | 16 | 1.16 | 36 | 0.167 | 1 | 2.12 | 0.168 | 0.13 | 1.5 | <0.01 | 10.1 | 0.2 | 0.66 | 8 | 0.5 | <0.2 |

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Project: Sweeny
Report Date: April 29, 2010



## CERTIFICATE OF ANALYSIS SMI10000110.1

| | Method | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| 019926 | Drill Core | 6.68 | 5.6 | 300.1 | 3.3 | 48 | 0.3 | 0.7 | 16.3 | 623 | 3.97 | 3.2 | 0.3 | 3.6 | 0.6 | 40 | <0.1 | 0.7 | 1.6 | 53 | 1.66 |
| 019927 | Drill Core | 7.78 | 0.6 | 257.1 | 21.4 | 72 | 0.8 | 0.8 | 19.2 | 790 | 3.96 | 12.0 | 0.2 | 4.1 | 0.6 | 44 | 0.2 | 0.5 | 4.9 | 52 | 2.24 |
| 019928 | Drill Core | 7.21 | 0.9 | 306.4 | 7.4 | 62 | 0.3 | 1.3 | 16.1 | 795 | 4.68 | 4.3 | 0.2 | 4.2 | 0.5 | 40 | 0.2 | 0.4 | 7.5 | 99 | 2.05 |
| 019929 | Drill Core | 7.95 | 2.1 | 1493 | 6.8 | 61 | 1.3 | 12.0 | 25.9 | 1135 | 5.25 | 4.7 | 0.2 | 30.1 | 0.4 | 71 | 0.2 | 1.2 | 7.0 | 128 | 3.02 |
| 019930 | Drill Core | 8.46 | 1.2 | 125.9 | 11.2 | 95 | 0.2 | 18.1 | 28.5 | 1515 | 5.95 | 4.4 | 0.1 | 6.8 | 0.2 | 99 | 0.2 | 1.2 | 1.4 | 210 | 3.27 |
| 019931 | Drill Core | 6.87 | 5.0 | 401.9 | 7.9 | 54 | 0.4 | 2.0 | 38.4 | 1185 | 5.32 | 11.6 | 0.2 | 5.4 | 0.4 | 56 | 0.2 | 0.5 | 2.0 | 99 | 3.01 |
| 019932 | Drill Core | 8.29 | 10.3 | 273.7 | 11.0 | 69 | 0.3 | 4.9 | 31.0 | 1183 | 5.63 | 7.5 | 0.2 | 2.9 | 0.4 | 37 | 0.5 | 0.3 | 3.5 | 132 | 2.76 |
| 019933 | Drill Core | 8.53 | 1.1 | 197.6 | 10.4 | 46 | 0.3 | 0.7 | 18.8 | 672 | 3.72 | 8.2 | 0.2 | 4.3 | 0.6 | 23 | <0.1 | 0.3 | 5.4 | 35 | 2.00 |
| 019934 | Drill Core | 6.10 | 0.6 | 132.4 | 200.3 | 160 | 0.4 | 0.6 | 11.3 | 1010 | 4.16 | 11.7 | 0.2 | 11.5 | 0.6 | 23 | 1.2 | 0.5 | 8.3 | 34 | 2.32 |
| 019935 | Drill Core | 7.25 | 0.4 | 111.9 | 29.8 | 91 | 0.3 | 50.7 | 16.7 | 2077 | 5.37 | 7.2 | 0.2 | 3.8 | 0.4 | 70 | 0.2 | 0.4 | 7.0 | 132 | 4.25 |
| 019936 | Drill Core | 6.99 | 5.5 | 365.7 | 15.2 | 67 | 0.6 | 13.6 | 14.7 | 1243 | 5.04 | 8.7 | 0.2 | 10.9 | 0.4 | 61 | 0.2 | 0.6 | 2.2 | 131 | 3.13 |
| 019937 | Drill Core | 6.78 | 7.1 | 281.9 | 23.5 | 72 | 0.5 | 3.4 | 13.0 | 926 | 3.98 | 3.6 | 0.2 | 42.0 | 0.5 | 37 | 0.3 | 0.3 | 2.1 | 68 | 2.43 |
| 019938 | Drill Core | 5.54 | 0.2 | 99.3 | 46.2 | 367 | 0.2 | 8.8 | 14.8 | 1053 | 4.93 | 1.9 | 0.2 | 1.8 | 0.5 | 41 | 3.7 | 0.4 | 0.5 | 128 | 2.55 |
| 019939 | Drill Core | 5.64 | 0.7 | 223.2 | 5.3 | 63 | 0.2 | 10.3 | 20.7 | 1260 | 5.39 | 4.1 | 0.1 | 4.2 | 0.4 | 49 | 0.1 | 0.3 | 2.2 | 117 | 3.12 |
| 019940 | Drill Core | 7.20 | 0.2 | 112.3 | 4.1 | 50 | 0.2 | 15.7 | 21.8 | 1313 | 5.52 | 5.8 | 0.1 | 3.2 | 0.3 | 62 | <0.1 | 0.5 | 2.9 | 128 | 2.92 |
| 019941 | Drill Core | 5.70 | 0.1 | 62.7 | 5.2 | 52 | 0.1 | 13.5 | 19.7 | 1493 | 5.98 | 3.3 | 0.2 | 3.0 | 0.2 | 82 | <0.1 | 0.5 | 1.2 | 188 | 4.12 |
| 019942 | Drill Core | 7.17 | 9.5 | 174.7 | 7.6 | 60 | 0.2 | 16.6 | 25.2 | 1248 | 5.99 | 2.5 | 0.1 | 2.9 | 0.2 | 58 | <0.1 | 0.5 | 1.8 | 155 | 3.65 |
| 019943 | Drill Core | 7.24 | 0.1 | 134.6 | 6.5 | 80 | 0.3 | 17.3 | 24.0 | 1719 | 5.94 | 2.6 | 0.1 | 3.0 | 0.3 | 62 | <0.1 | 0.7 | 1.6 | 157 | 7.23 |
| 019944 | Drill Core | 8.18 | 0.2 | 59.9 | 3.7 | 93 | 0.1 | 13.9 | 25.1 | 1691 | 6.14 | 3.3 | 0.2 | 4.6 | 0.3 | 58 | <0.1 | 0.4 | 0.4 | 156 | 6.63 |
| 019945 | Drill Core | 7.97 | 0.1 | 148.7 | 1.9 | 103 | 0.1 | 16.1 | 28.2 | 1675 | 6.61 | 2.1 | 0.1 | 3.1 | 0.4 | 57 | <0.1 | 0.3 | 0.6 | 211 | 4.98 |
| 019946 | Drill Core | 7.02 | 0.1 | 130.0 | 3.1 | 97 | <0.1 | 16.6 | 27.2 | 1594 | 5.75 | 2.2 | 0.1 | 4.0 | 0.4 | 60 | <0.1 | 0.7 | 1.2 | 152 | 5.02 |
| 019947 | Drill Core | 7.46 | 0.4 | 234.0 | 2.6 | 46 | 0.2 | 12.6 | 27.1 | 1458 | 6.15 | 2.6 | <0.1 | 2.8 | 0.2 | 71 | <0.1 | 0.8 | 1.9 | 216 | 6.38 |
| 019948 | Drill Core | 8.44 | 0.2 | 120.8 | 3.3 | 51 | 0.1 | 9.1 | 24.3 | 1317 | 6.22 | 2.4 | <0.1 | 2.1 | 0.2 | 81 | <0.1 | 0.7 | 1.3 | 202 | 6.85 |
| 019949 | Drill Core | 8.75 | 0.4 | 169.0 | 4.5 | 42 | 0.5 | 7.3 | 22.8 | 2918 | 5.29 | 7.9 | <0.1 | 7.2 | 0.2 | 65 | <0.1 | 0.6 | 1.9 | 110 | 6.21 |
| 019950 | Drill Core | 7.14 | 0.5 | 145.6 | 4.7 | 47 | 0.4 | 11.5 | 21.9 | 6463 | 5.51 | 9.7 | <0.1 | 4.4 | 0.2 | 57 | 0.1 | 0.8 | 2.1 | 73 | 7.78 |
| 019951 | Drill Core | 8.02 | 1.1 | 119.1 | 15.9 | 91 | 1.0 | 10.6 | 19.7 | 4641 | 5.38 | 23.8 | <0.1 | 4.4 | 0.3 | 71 | 0.3 | 1.0 | 9.0 | 103 | 8.38 |
| 019952 | Drill Core | 8.52 | 0.4 | 122.1 | 6.3 | 72 | 0.4 | 16.2 | 24.9 | 2152 | 6.10 | 17.0 | <0.1 | 4.0 | 0.3 | 70 | <0.1 | 1.2 | 5.4 | 156 | 5.50 |
| 019953 | Drill Core | 8.10 | 0.4 | 119.6 | 3.1 | 50 | 0.1 | 17.0 | 26.7 | 1634 | 4.61 | 11.4 | 0.2 | 4.0 | 0.3 | 100 | <0.1 | 2.5 | 2.5 | 126 | 5.15 |
| 019954 | Drill Core | 7.64 | 0.3 | 69.6 | 2.1 | 60 | <0.1 | 18.4 | 40.8 | 1787 | 6.15 | 3.3 | 0.1 | 2.1 | 0.3 | 94 | <0.1 | 1.0 | 5.1 | 180 | 4.31 |
| 019955 | Drill Core | 7.37 | 0.1 | 149.7 | 5.1 | 71 | 0.2 | 19.3 | 21.6 | 1725 | 5.42 | 4.9 | <0.1 | 2.3 | 0.2 | 77 | <0.1 | 0.9 | 3.3 | 164 | 3.11 |

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Project: Sweeny
Report Date: April 29, 2010



# CERTIFICATE OF ANALYSIS SMI10000110.1

| | Method | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| | Unit | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | MDL | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 |
| 019926 | Drill Core | 0.062 | 3 | 2 | 0.94 | 39 | 0.150 | 1 | 1.75 | 0.091 | 0.18 | 0.9 | <0.01 | 8.2 | 0.3 | 0.57 | 8 | 0.6 | <0.2 |
| 019927 | Drill Core | 0.063 | 3 | 2 | 0.95 | 89 | 0.093 | 1 | 1.94 | 0.079 | 0.37 | 0.4 | <0.01 | 7.8 | 0.7 | 0.68 | 8 | <0.5 | <0.2 |
| 019928 | Drill Core | 0.068 | 3 | 3 | 1.39 | 126 | 0.108 | 2 | 2.55 | 0.197 | 0.44 | 0.5 | <0.01 | 11.7 | 0.8 | 0.67 | 10 | 0.6 | 0.4 |
| 019929 | Drill Core | 0.062 | 2 | 28 | 1.70 | 114 | 0.165 | 1 | 2.94 | 0.162 | 0.38 | 1.0 | <0.01 | 13.1 | 0.6 | 0.53 | 9 | <0.5 | 2.1 |
| 019930 | Drill Core | 0.049 | 2 | 36 | 1.90 | 60 | 0.246 | 2 | 3.00 | 0.122 | 0.23 | 1.4 | <0.01 | 13.9 | 0.3 | 0.48 | 9 | <0.5 | 0.6 |
| 019931 | Drill Core | 0.075 | 2 | 3 | 1.38 | 52 | 0.154 | 2 | 2.58 | 0.094 | 0.19 | 1.2 | <0.01 | 13.4 | 0.3 | 1.71 | 9 | 1.5 | 0.3 |
| 019932 | Drill Core | 0.066 | 3 | 6 | 1.50 | 84 | 0.097 | 2 | 2.21 | 0.068 | 0.37 | 0.7 | <0.01 | 13.4 | 0.7 | 1.32 | 8 | 1.0 | 1.0 |
| 019933 | Drill Core | 0.062 | 4 | 3 | 0.70 | 64 | 0.031 | 1 | 1.37 | 0.056 | 0.35 | 0.4 | <0.01 | 6.1 | 0.5 | 1.09 | 4 | 0.6 | 0.7 |
| 019934 | Drill Core | 0.070 | 4 | 2 | 0.74 | 67 | 0.035 | 1 | 1.37 | 0.049 | 0.42 | 0.4 | <0.01 | 6.4 | 0.6 | 1.42 | 5 | 0.6 | 1.2 |
| 019935 | Drill Core | 0.059 | 3 | 132 | 2.58 | 114 | 0.095 | 1 | 2.92 | 0.124 | 0.34 | 0.7 | <0.01 | 13.7 | 0.6 | 0.80 | 8 | <0.5 | <0.2 |
| 019936 | Drill Core | 0.065 | 2 | 43 | 1.95 | 173 | 0.114 | 2 | 2.95 | 0.166 | 0.46 | 0.4 | <0.01 | 13.7 | 0.9 | 0.84 | 9 | 0.6 | <0.2 |
| 019937 | Drill Core | 0.076 | 3 | 6 | 1.20 | 145 | 0.064 | 2 | 2.03 | 0.112 | 0.51 | 0.7 | <0.01 | 8.1 | 0.8 | 0.80 | 7 | 0.6 | 0.8 |
| 019938 | Drill Core | 0.078 | 3 | 19 | 1.82 | 73 | 0.113 | 2 | 2.32 | 0.101 | 0.31 | 0.4 | 0.02 | 11.2 | 0.4 | 0.23 | 8 | <0.5 | <0.2 |
| 019939 | Drill Core | 0.077 | 2 | 21 | 2.03 | 173 | 0.109 | 2 | 2.89 | 0.141 | 0.54 | 0.5 | <0.01 | 11.8 | 0.8 | 0.57 | 8 | <0.5 | 0.4 |
| 019940 | Drill Core | 0.070 | 2 | 29 | 2.44 | 116 | 0.181 | 2 | 3.15 | 0.124 | 0.53 | 1.2 | <0.01 | 11.5 | 0.8 | 0.33 | 9 | <0.5 | <0.2 |
| 019941 | Drill Core | 0.072 | 1 | 29 | 2.56 | 80 | 0.170 | 2 | 3.79 | 0.195 | 0.32 | 0.5 | <0.01 | 13.5 | 0.5 | 0.43 | 9 | <0.5 | <0.2 |
| 019942 | Drill Core | 0.062 | 2 | 32 | 2.47 | 116 | 0.130 | 2 | 3.10 | 0.055 | 0.64 | 26.3 | <0.01 | 11.6 | 1.0 | 1.48 | 8 | 0.7 | 0.7 |
| 019943 | Drill Core | 0.057 | 3 | 31 | 1.49 | 61 | 0.013 | 3 | 2.59 | 0.015 | 0.26 | 0.5 | <0.01 | 15.2 | 0.3 | 0.35 | 7 | <0.5 | <0.2 |
| 019944 | Drill Core | 0.068 | 3 | 28 | 1.84 | 22 | 0.009 | 2 | 2.74 | 0.014 | 0.15 | 0.5 | <0.01 | 15.8 | 0.2 | 0.36 | 8 | <0.5 | <0.2 |
| 019945 | Drill Core | 0.065 | 3 | 37 | 2.82 | 35 | 0.006 | 3 | 3.43 | 0.023 | 0.15 | 0.4 | <0.01 | 17.8 | 0.1 | 0.20 | 10 | <0.5 | <0.2 |
| 019946 | Drill Core | 0.060 | 3 | 34 | 2.70 | 25 | 0.016 | 3 | 3.33 | 0.018 | 0.20 | 0.3 | <0.01 | 16.4 | 0.3 | 0.16 | 9 | <0.5 | <0.2 |
| 019947 | Drill Core | 0.043 | 3 | 24 | 2.22 | 75 | 0.023 | 3 | 3.04 | 0.017 | 0.35 | 1.3 | <0.01 | 15.6 | 0.5 | 0.20 | 8 | <0.5 | 0.3 |
| 019948 | Drill Core | 0.036 | 2 | 18 | 1.15 | 98 | 0.006 | 3 | 2.58 | 0.014 | 0.36 | 1.0 | <0.01 | 15.5 | 0.5 | 0.28 | 7 | <0.5 | 0.5 |
| 019949 | Drill Core | 0.035 | 2 | 8 | 1.21 | 48 | 0.002 | 2 | 0.75 | 0.017 | 0.35 | 0.9 | <0.01 | 14.9 | 0.4 | 0.38 | 2 | <0.5 | 1.1 |
| 019950 | Drill Core | 0.042 | 2 | 5 | 1.71 | 16 | 0.001 | 2 | 0.66 | 0.014 | 0.31 | 1.1 | 0.01 | 15.7 | 0.4 | 0.52 | 1 | <0.5 | 1.1 |
| 019951 | Drill Core | 0.051 | 2 | 12 | 0.95 | 118 | 0.002 | 3 | 1.71 | 0.010 | 0.28 | 1.2 | <0.01 | 12.4 | 0.4 | 0.54 | 4 | <0.5 | 1.5 |
| 019952 | Drill Core | 0.067 | 3 | 29 | 1.02 | 41 | 0.028 | 3 | 2.39 | 0.073 | 0.39 | 1.2 | <0.01 | 15.1 | 0.7 | 0.39 | 6 | <0.5 | 0.3 |
| 019953 | Drill Core | 0.055 | 3 | 34 | 1.46 | 130 | 0.027 | 2 | 2.28 | 0.023 | 0.23 | 4.7 | <0.01 | 13.2 | 0.4 | 0.32 | 7 | <0.5 | 0.3 |
| 019954 | Drill Core | 0.061 | 2 | 38 | 2.00 | 45 | 0.038 | 2 | 2.88 | 0.148 | 0.28 | 7.5 | <0.01 | 15.2 | 0.4 | 0.73 | 8 | 0.8 | 1.2 |
| 019955 | Drill Core | 0.063 | 2 | 40 | 2.16 | 150 | 0.095 | 3 | 2.65 | 0.085 | 0.25 | 1.4 | <0.01 | 13.2 | 0.4 | 0.55 | 7 | <0.5 | 0.2 |

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Report Date: April 29, 2010



# CERTIFICATE OF ANALYSIS SMI10000110.1

| | Method | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| 019956 | Drill Core | 7.01 | 0.1 | 181.2 | 3.9 | 84 | 0.3 | 20.9 | 35.8 | 1930 | 5.71 | 5.1 | <0.1 | 3.3 | 0.3 | 80 | <0.1 | 0.7 | 2.6 | 172 | 3.86 |
| 019957 | Drill Core | 6.73 | <0.1 | 44.0 | 2.3 | 55 | <0.1 | 14.7 | 21.1 | 1355 | 4.81 | 2.3 | <0.1 | 1.0 | 0.2 | 90 | <0.1 | 0.7 | 0.8 | 175 | 2.59 |
| 019958 | Drill Core | 7.07 | 0.1 | 47.1 | 2.9 | 54 | <0.1 | 17.4 | 27.8 | 1140 | 5.72 | 2.6 | 0.1 | 2.8 | 0.2 | 73 | <0.1 | 0.7 | 1.8 | 217 | 1.92 |
| 019959 | Drill Core | 6.04 | 0.1 | 79.1 | 2.8 | 57 | 0.2 | 18.5 | 29.1 | 1088 | 5.41 | 3.0 | 0.2 | 6.3 | 0.2 | 70 | <0.1 | 0.7 | 2.3 | 178 | 1.92 |
| 019960 | Drill Core | 7.53 | 0.2 | 147.2 | 1.8 | 62 | <0.1 | 20.3 | 23.6 | 1093 | 5.44 | 2.7 | 0.1 | 2.1 | 0.2 | 65 | <0.1 | 0.6 | 0.6 | 187 | 1.61 |
| 019961 | Drill Core | 7.41 | 0.2 | 152.8 | 4.3 | 87 | 0.2 | 20.0 | 24.5 | 1300 | 5.49 | 3.0 | 0.2 | 3.5 | 0.2 | 57 | <0.1 | 0.5 | 2.9 | 170 | 1.84 |
| 019962 | Drill Core | 8.74 | 2.8 | 80.8 | 9.5 | 77 | 0.2 | 22.2 | 108.8 | 1270 | 8.12 | 7.8 | 0.4 | 8.7 | 0.2 | 50 | <0.1 | 0.4 | 31.0 | 171 | 2.40 |
| 019963 | Drill Core | 7.29 | 0.4 | 251.2 | 3.0 | 65 | 0.1 | 19.2 | 46.8 | 1083 | 5.43 | 3.9 | 0.2 | 10.4 | 0.2 | 68 | <0.1 | 0.8 | 3.2 | 123 | 2.40 |
| 019964 | Drill Core | 8.62 | 0.2 | 90.8 | 4.9 | 56 | <0.1 | 18.6 | 21.1 | 831 | 4.25 | 2.7 | 0.2 | 7.2 | 0.2 | 95 | <0.1 | 0.8 | 1.4 | 129 | 2.20 |
| 019965 | Drill Core | 7.64 | 0.3 | 42.6 | 1.6 | 45 | <0.1 | 17.8 | 22.1 | 748 | 5.23 | 1.8 | 0.1 | 3.4 | 0.2 | 81 | <0.1 | 0.6 | 0.6 | 160 | 1.78 |
| 019966 | Drill Core | 6.93 | 0.2 | 44.4 | 1.3 | 42 | <0.1 | 15.9 | 20.8 | 660 | 5.88 | 2.2 | 0.1 | 1.3 | 0.2 | 58 | <0.1 | 0.6 | 1.2 | 159 | 1.36 |
| 019967 | Drill Core | 9.04 | 1.2 | 527.4 | 4.5 | 52 | 0.3 | 20.3 | 44.5 | 910 | 6.43 | 4.0 | 0.3 | 9.2 | 0.2 | 43 | 0.1 | 0.8 | 5.5 | 150 | 1.67 |
| 019968 | Drill Core | 7.50 | 0.4 | 182.3 | 7.4 | 58 | 0.3 | 15.0 | 29.9 | 1379 | 6.27 | 7.7 | 0.3 | 7.9 | 0.2 | 50 | <0.1 | 0.8 | 3.3 | 160 | 2.42 |
| 019969 | Drill Core | 5.88 | 0.6 | 179.5 | 12.6 | 93 | 0.4 | 15.4 | 25.7 | 1688 | 6.61 | 23.6 | 0.2 | 5.6 | 0.2 | 64 | 0.1 | 0.7 | 6.1 | 120 | 2.66 |
| 019970 | Drill Core | 6.72 | 0.2 | 80.2 | 3.5 | 68 | <0.1 | 19.4 | 15.3 | 1104 | 5.49 | 2.3 | 0.2 | 1.5 | 0.2 | 43 | <0.1 | 0.7 | 3.8 | 98 | 2.12 |
| 019971 | Drill Core | 5.62 | 0.2 | 94.4 | 2.5 | 63 | <0.1 | 16.9 | 34.2 | 1001 | 5.64 | 2.7 | 0.2 | 3.4 | 0.2 | 42 | <0.1 | 1.2 | 1.9 | 108 | 1.85 |
| 019972 | Drill Core | 7.49 | 0.2 | 152.0 | 3.2 | 63 | 0.1 | 16.8 | 24.3 | 1077 | 5.89 | 2.9 | 0.3 | 5.7 | 0.3 | 41 | <0.1 | 0.8 | 3.5 | 105 | 2.85 |
| 019973 | Drill Core | 8.16 | 0.8 | 534.4 | 5.2 | 64 | 0.6 | 14.6 | 33.4 | 1621 | 5.67 | 5.3 | 0.6 | 14.9 | 0.4 | 61 | 0.2 | 0.9 | 14.4 | 122 | 8.12 |
| 019974 | Drill Core | 7.88 | 0.2 | 36.2 | 2.8 | 65 | 0.1 | 18.6 | 22.6 | 1250 | 6.79 | 3.5 | 0.2 | 1.4 | 0.4 | 62 | <0.1 | 0.4 | 1.3 | 167 | 6.42 |
| 019975 | Drill Core | 7.25 | 0.6 | 63.4 | 8.0 | 74 | 0.1 | 12.1 | 18.3 | 2894 | 5.03 | 40.5 | 0.1 | 2.0 | 0.4 | 72 | 0.3 | 0.5 | 0.8 | 138 | 10.08 |
| 019976 | Drill Core | 8.51 | 0.5 | 82.1 | 2.5 | 69 | 0.1 | 19.6 | 30.3 | 1096 | 6.30 | 2.1 | 0.2 | 3.2 | 0.2 | 71 | <0.1 | 0.4 | 0.8 | 187 | 2.08 |
| 019977 | Drill Core | 7.95 | 0.2 | 20.4 | 2.8 | 37 | <0.1 | 12.4 | 18.4 | 685 | 5.73 | 3.4 | 0.1 | 1.9 | 0.2 | 90 | <0.1 | 0.6 | 6.9 | 172 | 2.41 |
| 019978 | Drill Core | 8.78 | 0.2 | 32.5 | 2.2 | 29 | <0.1 | 12.0 | 9.9 | 590 | 4.78 | 2.7 | 0.1 | 3.0 | 0.2 | 89 | <0.1 | 0.7 | 4.0 | 160 | 2.51 |
| 019979 | Drill Core | 6.06 | 0.2 | 54.1 | 2.2 | 42 | <0.1 | 14.2 | 9.9 | 635 | 5.79 | 2.0 | 0.2 | 0.9 | 0.2 | 87 | <0.1 | 0.5 | 1.4 | 182 | 2.26 |
| 019980 | Drill Core | 8.43 | 0.3 | 343.3 | 3.1 | 36 | 0.2 | 13.9 | 18.8 | 630 | 5.42 | 10.9 | 0.2 | 7.2 | 0.2 | 81 | <0.1 | 0.7 | 5.2 | 162 | 2.35 |
| 019981 | Drill Core | 8.61 | 0.1 | 25.0 | 1.5 | 28 | <0.1 | 14.3 | 19.0 | 494 | 5.89 | 2.7 | <0.1 | 0.9 | 0.2 | 121 | <0.1 | 0.3 | 0.8 | 187 | 2.56 |
| 019982 | Drill Core | 8.84 | 0.3 | 118.0 | 1.9 | 33 | 0.2 | 13.7 | 17.1 | 608 | 5.25 | 3.8 | <0.1 | 1.1 | 0.2 | 84 | <0.1 | 0.4 | 3.2 | 161 | 2.00 |
| 019983 | Drill Core | 8.75 | 0.6 | 180.4 | 2.8 | 30 | 0.2 | 15.5 | 21.8 | 634 | 4.79 | 11.2 | 0.1 | 2.9 | 0.2 | 89 | <0.1 | 0.8 | 3.9 | 153 | 1.96 |
| 019984 | Drill Core | 9.56 | 0.4 | 92.7 | 5.0 | 30 | 0.2 | 1.8 | 40.6 | 707 | 6.56 | 14.9 | 0.1 | 2.8 | 0.3 | 76 | <0.1 | 0.6 | 6.3 | 179 | 1.53 |
| 019985 | Drill Core | 3.94 | 1.1 | 94.7 | 4.2 | 21 | 0.2 | 2.6 | 37.8 | 559 | 4.87 | 18.4 | 0.1 | 4.5 | 0.3 | 124 | <0.1 | 0.6 | 6.1 | 143 | 2.67 |

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Project: Sweeny
Report Date: April 29, 2010



## CERTIFICATE OF ANALYSIS SMI10000110.1

| | Method | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| | Unit | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | MDL | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 |
| 019956 | Drill Core | 0.064 | 2 | 36 | 2.31 | 114 | 0.091 | 4 | 2.72 | 0.054 | 0.27 | 1.0 | <0.01 | 13.1 | 0.4 | 0.55 | 8 | <0.5 | <0.2 |
| 019957 | Drill Core | 0.057 | 2 | 36 | 2.20 | 109 | 0.166 | 2 | 2.58 | 0.133 | 0.19 | 0.9 | <0.01 | 12.3 | 0.3 | 0.12 | 7 | <0.5 | <0.2 |
| 019958 | Drill Core | 0.066 | 1 | 44 | 2.33 | 46 | 0.265 | 2 | 2.64 | 0.274 | 0.23 | 0.7 | <0.01 | 12.9 | 0.4 | 0.35 | 8 | 0.7 | <0.2 |
| 019959 | Drill Core | 0.066 | 1 | 36 | 2.33 | 67 | 0.270 | 2 | 2.83 | 0.237 | 0.39 | 3.3 | <0.01 | 11.2 | 0.7 | 0.45 | 8 | <0.5 | 0.2 |
| 019960 | Drill Core | 0.073 | 1 | 47 | 2.31 | 21 | 0.238 | 1 | 2.72 | 0.187 | 0.20 | 1.9 | <0.01 | 10.7 | 0.4 | 0.08 | 7 | <0.5 | <0.2 |
| 019961 | Drill Core | 0.069 | 1 | 42 | 2.28 | 66 | 0.256 | 2 | 2.54 | 0.127 | 0.23 | 7.6 | <0.01 | 10.0 | 0.4 | 0.45 | 7 | <0.5 | <0.2 |
| 019962 | Drill Core | 0.066 | 4 | 35 | 2.15 | 72 | 0.212 | 1 | 2.47 | 0.134 | 0.52 | >100 | <0.01 | 13.1 | 0.9 | 3.23 | 8 | 2.2 | 14.8 |
| 019963 | Drill Core | 0.069 | 1 | 32 | 1.99 | 13 | 0.229 | 2 | 2.06 | 0.057 | 0.11 | 14.9 | <0.01 | 9.0 | 0.2 | 1.44 | 7 | 0.6 | 0.4 |
| 019964 | Drill Core | 0.060 | 1 | 30 | 1.81 | 28 | 0.254 | 2 | 2.37 | 0.084 | 0.26 | 11.6 | <0.01 | 9.2 | 0.4 | 0.20 | 7 | <0.5 | <0.2 |
| 019965 | Drill Core | 0.063 | <1 | 33 | 1.95 | 44 | 0.252 | 2 | 2.78 | 0.224 | 0.34 | 2.3 | <0.01 | 8.3 | 0.6 | 0.12 | 8 | <0.5 | <0.2 |
| 019966 | Drill Core | 0.069 | <1 | 34 | 1.79 | 45 | 0.234 | 2 | 2.36 | 0.254 | 0.29 | 1.4 | <0.01 | 5.0 | 0.5 | 0.23 | 8 | <0.5 | <0.2 |
| 019967 | Drill Core | 0.060 | <1 | 38 | 1.97 | 31 | 0.230 | 2 | 2.15 | 0.156 | 0.22 | 37.4 | <0.01 | 9.1 | 0.5 | 1.93 | 8 | 0.6 | 0.5 |
| 019968 | Drill Core | 0.047 | 1 | 29 | 1.85 | 32 | 0.182 | 2 | 2.38 | 0.160 | 0.26 | 16.5 | <0.01 | 10.1 | 0.4 | 0.78 | 8 | <0.5 | <0.2 |
| 019969 | Drill Core | 0.057 | 1 | 32 | 2.42 | 133 | 0.241 | 2 | 3.38 | 0.220 | 0.68 | 11.6 | <0.01 | 10.9 | 1.2 | 0.24 | 10 | <0.5 | 0.2 |
| 019970 | Drill Core | 0.055 | 1 | 41 | 2.40 | 50 | 0.214 | 2 | 2.66 | 0.092 | 0.33 | 3.4 | <0.01 | 11.4 | 0.7 | 0.19 | 8 | <0.5 | <0.2 |
| 019971 | Drill Core | 0.053 | 1 | 37 | 2.46 | 18 | 0.246 | 1 | 2.44 | 0.065 | 0.14 | 10.7 | <0.01 | 11.5 | 0.3 | 0.42 | 9 | <0.5 | 0.6 |
| 019972 | Drill Core | 0.060 | 2 | 31 | 2.27 | 24 | 0.124 | 1 | 2.55 | 0.041 | 0.19 | 4.9 | <0.01 | 12.1 | 0.4 | 0.41 | 8 | <0.5 | 0.3 |
| 019973 | Drill Core | 0.062 | 4 | 24 | 1.31 | 11 | 0.033 | 3 | 2.40 | 0.023 | 0.19 | 45.8 | <0.01 | 12.4 | 0.3 | 0.70 | 7 | <0.5 | 3.7 |
| 019974 | Drill Core | 0.066 | 3 | 33 | 1.14 | 16 | 0.005 | 4 | 2.78 | 0.022 | 0.33 | 1.4 | <0.01 | 15.0 | 0.5 | 0.12 | 9 | <0.5 | <0.2 |
| 019975 | Drill Core | 0.054 | 3 | 19 | 0.83 | 6 | 0.004 | 4 | 2.18 | 0.015 | 0.24 | 2.3 | <0.01 | 11.9 | 0.5 | 0.06 | 6 | <0.5 | <0.2 |
| 019976 | Drill Core | 0.051 | 2 | 48 | 2.34 | 31 | 0.198 | 2 | 3.33 | 0.296 | 0.16 | 10.8 | <0.01 | 11.4 | 0.3 | 0.13 | 9 | <0.5 | 0.3 |
| 019977 | Drill Core | 0.062 | 1 | 35 | 1.74 | 68 | 0.225 | 2 | 3.65 | 0.457 | 0.27 | 1.1 | <0.01 | 7.6 | 0.6 | <0.05 | 9 | <0.5 | 0.3 |
| 019978 | Drill Core | 0.059 | <1 | 30 | 1.18 | 21 | 0.243 | 2 | 2.66 | 0.330 | 0.08 | 1.3 | <0.01 | 6.6 | 0.1 | 0.06 | 7 | <0.5 | 1.3 |
| 019979 | Drill Core | 0.065 | 1 | 37 | 1.44 | 33 | 0.241 | 2 | 3.26 | 0.429 | 0.15 | 0.7 | <0.01 | 7.1 | 0.3 | <0.05 | 8 | <0.5 | 0.2 |
| 019980 | Drill Core | 0.064 | 1 | 34 | 1.34 | 31 | 0.263 | 3 | 3.04 | 0.386 | 0.14 | 8.9 | <0.01 | 7.8 | 0.3 | 0.82 | 8 | <0.5 | <0.2 |
| 019981 | Drill Core | 0.062 | 1 | 39 | 1.38 | 55 | 0.186 | 2 | 4.16 | 0.555 | 0.21 | 0.4 | <0.01 | 5.3 | 0.4 | <0.05 | 10 | <0.5 | 0.2 |
| 019982 | Drill Core | 0.064 | 1 | 34 | 1.40 | 17 | 0.202 | 2 | 2.90 | 0.333 | 0.12 | 8.0 | <0.01 | 6.0 | 0.2 | 0.40 | 7 | <0.5 | 0.6 |
| 019983 | Drill Core | 0.076 | 1 | 30 | 1.28 | 13 | 0.209 | 2 | 2.28 | 0.196 | 0.10 | 12.1 | <0.01 | 6.7 | 0.2 | 0.85 | 7 | 0.8 | <0.2 |
| 019984 | Drill Core | 0.063 | 2 | 4 | 1.19 | 9 | 0.221 | 2 | 2.21 | 0.137 | 0.08 | 1.0 | <0.01 | 6.2 | 0.1 | 0.45 | 8 | 0.6 | 0.6 |
| 019985 | Drill Core | 0.056 | 2 | 5 | 0.72 | 13 | 0.181 | 3 | 3.14 | 0.262 | 0.12 | 0.8 | <0.01 | 6.3 | 0.2 | 0.65 | 8 | 0.7 | 1.2 |

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#725, 625 Howe Street
Vancouver BC V6C 2T6 Canada

Project: Sweeny
Report Date: April 29, 2010



# QUALITY CONTROL REPORT SMI10000110.1

| | Method | WGHT | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | MDL | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 019902 | Drill Core | 8.23 | 1.8 | 220.3 | 172.0 | 279 | 0.6 | 1.0 | 16.0 | 1232 | 4.98 | 26.3 | 0.2 | 5.1 | 0.4 | 46 | 1.9 | 1.5 | 1.8 | 98 | 2.18 |
| REP 019902 | QC | | 1.8 | 222.8 | 174.8 | 291 | 0.6 | 1.0 | 16.5 | 1267 | 5.16 | 27.1 | 0.2 | 5.0 | 0.5 | 48 | 2.0 | 1.5 | 1.8 | 101 | 2.25 |
| 019958 | Drill Core | 7.07 | 0.1 | 47.1 | 2.9 | 54 | <0.1 | 17.4 | 27.8 | 1140 | 5.72 | 2.6 | 0.1 | 2.8 | 0.2 | 73 | <0.1 | 0.7 | 1.8 | 217 | 1.92 |
| REP 019958 | QC | | 0.1 | 47.5 | 3.0 | 53 | <0.1 | 16.7 | 26.7 | 1091 | 5.67 | 2.4 | 0.1 | 1.6 | 0.2 | 68 | <0.1 | 0.7 | 1.8 | 205 | 1.83 |
| 019980 | Drill Core | 8.43 | 0.3 | 343.3 | 3.1 | 36 | 0.2 | 13.9 | 18.8 | 630 | 5.42 | 10.9 | 0.2 | 7.2 | 0.2 | 81 | <0.1 | 0.7 | 5.2 | 162 | 2.35 |
| REP 019980 | QC | | 0.3 | 338.6 | 3.4 | 37 | 0.2 | 14.0 | 18.7 | 606 | 5.38 | 11.1 | 0.2 | 8.2 | 0.2 | 83 | <0.1 | 0.6 | 5.3 | 160 | 2.31 |
| Core Reject Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 019926 | Drill Core | 6.68 | 5.6 | 300.1 | 3.3 | 48 | 0.3 | 0.7 | 16.3 | 623 | 3.97 | 3.2 | 0.3 | 3.6 | 0.6 | 40 | <0.1 | 0.7 | 1.6 | 53 | 1.66 |
| DUP 019926 | QC | | 3.7 | 292.8 | 2.4 | 44 | 0.2 | 0.8 | 11.5 | 573 | 3.74 | 2.6 | 0.2 | 2.2 | 0.5 | 32 | <0.1 | 0.6 | 1.1 | 51 | 1.34 |
| 019961 | Drill Core | 7.41 | 0.2 | 152.8 | 4.3 | 87 | 0.2 | 20.0 | 24.5 | 1300 | 5.49 | 3.0 | 0.2 | 3.5 | 0.2 | 57 | <0.1 | 0.5 | 2.9 | 170 | 1.84 |
| DUP 019961 | QC | | 0.2 | 149.5 | 4.5 | 86 | 0.2 | 20.1 | 25.4 | 1253 | 5.34 | 3.1 | 0.2 | 2.2 | 0.2 | 60 | <0.1 | 0.6 | 2.8 | 164 | 1.88 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS7 | Standard | | 21.2 | 107.5 | 70.0 | 393 | 0.8 | 55.6 | 9.2 | 639 | 2.35 | 51.0 | 5.0 | 73.6 | 4.9 | 83 | 6.1 | 5.6 | 4.5 | 84 | 1.01 |
| STD DS7 | Standard | | 20.8 | 107.8 | 68.3 | 383 | 0.9 | 53.7 | 9.2 | 642 | 2.38 | 49.6 | 4.9 | 88.9 | 4.9 | 83 | 6.0 | 5.9 | 4.5 | 84 | 1.03 |
| STD DS7 | Standard | | 20.0 | 105.2 | 66.5 | 378 | 0.8 | 49.6 | 8.7 | 599 | 2.23 | 47.5 | 4.6 | 60.1 | 4.6 | 68 | 5.7 | 5.7 | 4.3 | 80 | 0.95 |
| STD DS7 | Standard | | 21.2 | 109.6 | 67.1 | 380 | 0.8 | 54.1 | 9.0 | 640 | 2.38 | 49.0 | 4.7 | 58.0 | 4.5 | 77 | 5.9 | 5.8 | 4.4 | 84 | 0.99 |
| STD DS7 | Standard | | 20.8 | 109.0 | 65.0 | 396 | 0.8 | 56.1 | 9.8 | 635 | 2.45 | 52.5 | 4.8 | 57.1 | 4.4 | 72 | 6.6 | 6.0 | 4.6 | 82 | 0.97 |
| STD DS7 | Standard | | 20.4 | 107.8 | 62.5 | 390 | 0.8 | 58.0 | 9.3 | 631 | 2.42 | 51.1 | 4.5 | 60.7 | 4.3 | 71 | 6.3 | 5.8 | 4.4 | 82 | 0.97 |
| STD DS7 Expected | | | 20.5 | 109 | 70.6 | 411 | 0.9 | 56 | 9.7 | 627 | 2.39 | 48.2 | 4.9 | 70 | 4.4 | 69 | 6.4 | 4.6 | 4.5 | 84 | 0.93 |
| BLK | Blank | | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| BLK | Blank | | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| BLK | Blank | | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| Prep Wash | | | | | | | | | | | | | | | | | | | | | |
| G1 | Prep Blank | | 0.1 | 2.5 | 3.5 | 46 | <0.1 | 2.8 | 3.8 | 567 | 1.90 | <0.5 | 2.3 | 4.4 | 5.9 | 56 | <0.1 | <0.1 | <0.1 | 37 | 0.47 |
| G1 | Prep Blank | | 0.1 | 3.3 | 3.4 | 45 | <0.1 | 2.7 | 3.8 | 548 | 1.90 | <0.5 | 1.8 | 4.2 | 5.4 | 52 | <0.1 | <0.1 | <0.1 | 38 | 0.51 |

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Project: Sweeny
Report Date: April 29, 2010

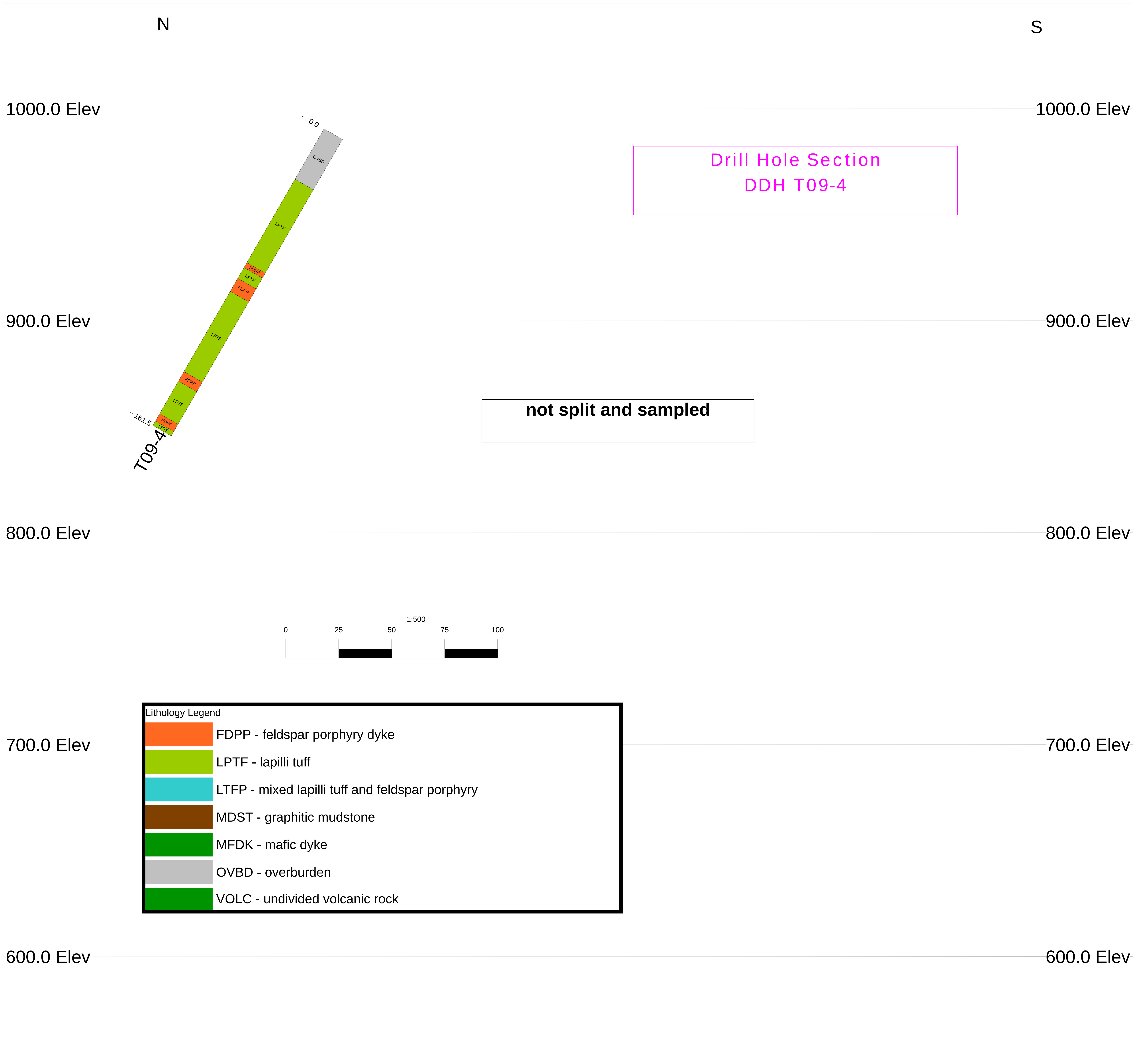


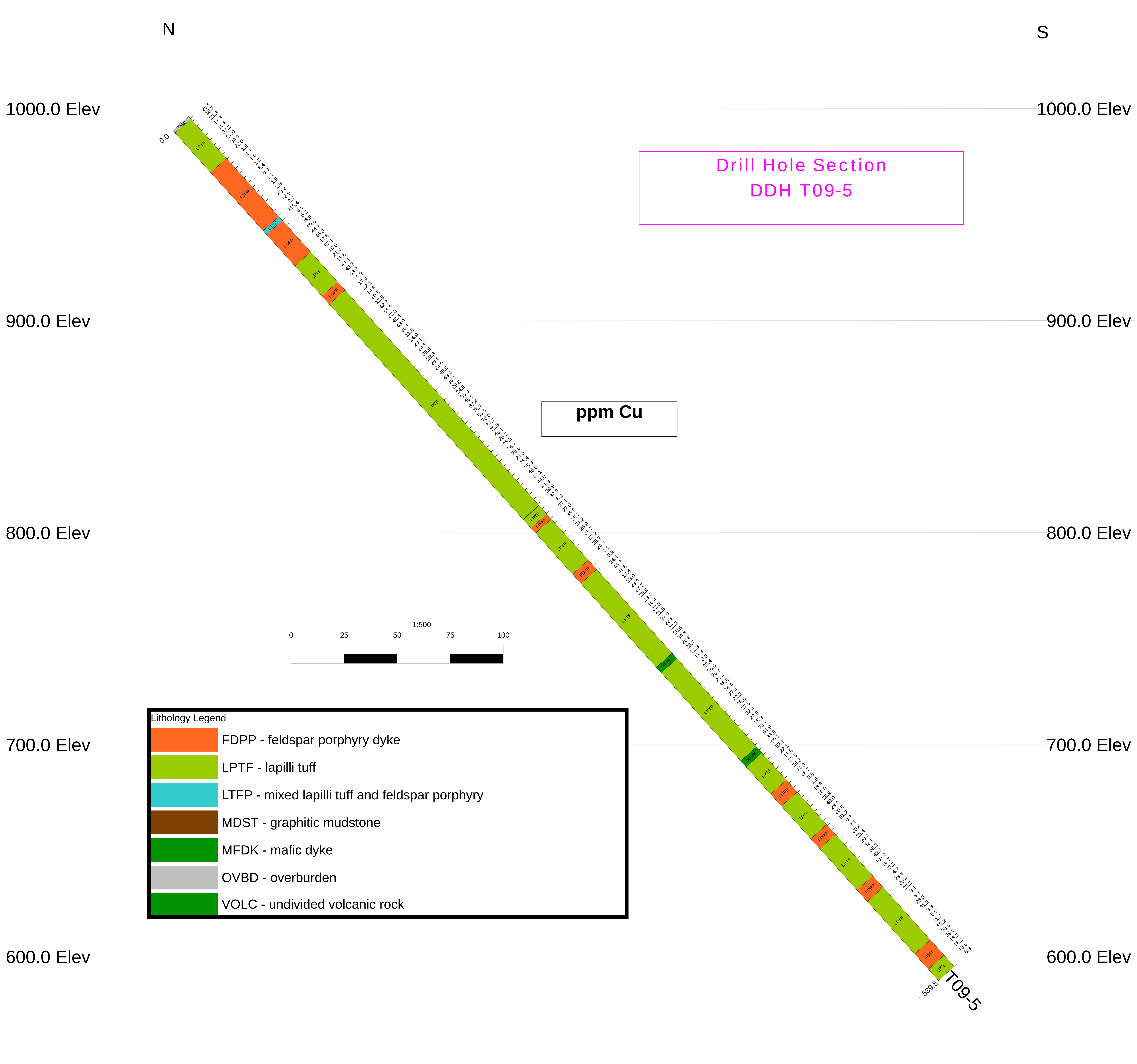
# QUALITY CONTROL REPORT SMI10000110.1

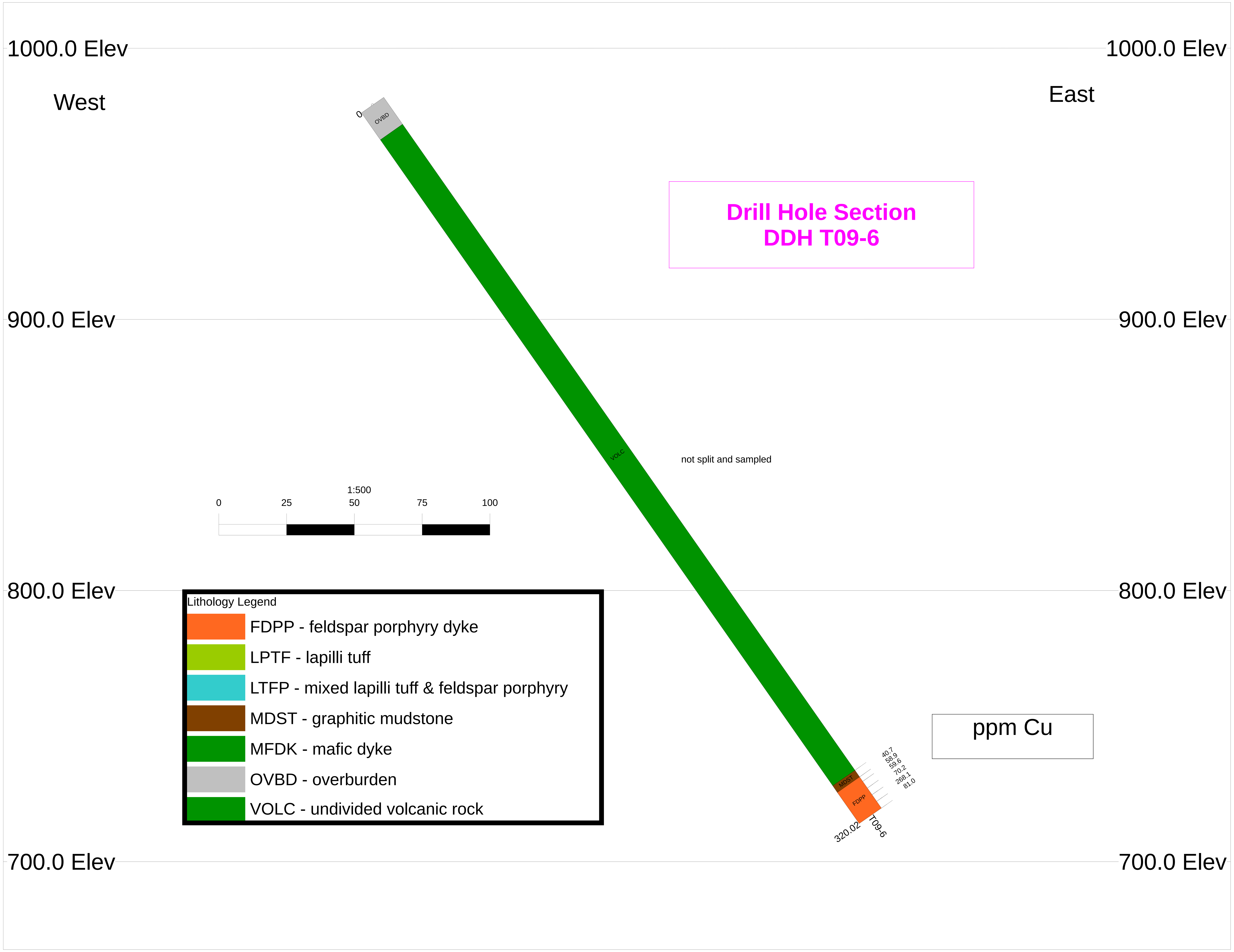
| | Method | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 | 1DX30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| | Unit | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | MDL | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | |
| 019902 | Drill Core | 0.073 | 3 | 2 | 1.14 | 153 | 0.128 | <1 | 2.75 | 0.223 | 0.56 | 0.8 | <0.01 | 11.6 | 1.2 | 1.31 | 9 | <0.5 | 0.5 |
| REP 019902 | QC | 0.072 | 3 | 2 | 1.17 | 155 | 0.135 | <1 | 2.85 | 0.231 | 0.57 | 0.9 | <0.01 | 11.6 | 1.2 | 1.35 | 9 | <0.5 | 0.3 |
| 019958 | Drill Core | 0.066 | 1 | 44 | 2.33 | 46 | 0.265 | 2 | 2.64 | 0.274 | 0.23 | 0.7 | <0.01 | 12.9 | 0.4 | 0.35 | 8 | 0.7 | <0.2 |
| REP 019958 | QC | 0.068 | 1 | 41 | 2.24 | 43 | 0.243 | 2 | 2.61 | 0.261 | 0.22 | 0.7 | <0.01 | 12.1 | 0.3 | 0.34 | 8 | <0.5 | <0.2 |
| 019980 | Drill Core | 0.064 | 1 | 34 | 1.34 | 31 | 0.263 | 3 | 3.04 | 0.386 | 0.14 | 8.9 | <0.01 | 7.8 | 0.3 | 0.82 | 8 | <0.5 | <0.2 |
| REP 019980 | QC | 0.064 | 1 | 35 | 1.34 | 31 | 0.256 | 2 | 3.00 | 0.378 | 0.14 | 8.9 | <0.01 | 7.8 | 0.3 | 0.83 | 8 | <0.5 | 0.3 |
| Core Reject Duplicates | | | | | | | | | | | | | | | | | | | |
| 019926 | Drill Core | 0.062 | 3 | 2 | 0.94 | 39 | 0.150 | 1 | 1.75 | 0.091 | 0.18 | 0.9 | <0.01 | 8.2 | 0.3 | 0.57 | 8 | 0.6 | <0.2 |
| DUP 019926 | QC | 0.063 | 3 | 2 | 0.90 | 38 | 0.137 | 1 | 1.63 | 0.087 | 0.17 | 0.8 | <0.01 | 7.7 | 0.3 | 0.35 | 8 | <0.5 | <0.2 |
| 019961 | Drill Core | 0.069 | 1 | 42 | 2.28 | 66 | 0.256 | 2 | 2.54 | 0.127 | 0.23 | 7.6 | <0.01 | 10.0 | 0.4 | 0.45 | 7 | <0.5 | <0.2 |
| DUP 019961 | QC | 0.072 | 2 | 41 | 2.14 | 75 | 0.268 | 2 | 2.49 | 0.129 | 0.21 | 7.7 | <0.01 | 10.4 | 0.4 | 0.55 | 7 | <0.5 | 0.3 |
| Reference Materials | | | | | | | | | | | | | | | | | | | |
| STD DS7 | Standard | 0.075 | 15 | 209 | 1.05 | 409 | 0.124 | 39 | 1.10 | 0.098 | 0.46 | 3.7 | 0.21 | 2.5 | 4.2 | 0.19 | 5 | 3.0 | 1.1 |
| STD DS7 | Standard | 0.073 | 15 | 210 | 1.05 | 405 | 0.125 | 34 | 1.12 | 0.101 | 0.47 | 3.9 | 0.21 | 2.6 | 4.3 | 0.19 | 5 | 3.8 | 1.4 |
| STD DS7 | Standard | 0.068 | 13 | 191 | 1.01 | 385 | 0.115 | 33 | 0.99 | 0.089 | 0.45 | 3.6 | 0.21 | 2.4 | 3.8 | 0.19 | 5 | 3.6 | 1.1 |
| STD DS7 | Standard | 0.074 | 13 | 199 | 1.05 | 382 | 0.121 | 37 | 1.08 | 0.094 | 0.46 | 3.9 | 0.23 | 2.4 | 4.0 | 0.20 | 5 | 3.2 | 1.5 |
| STD DS7 | Standard | 0.079 | 12 | 210 | 1.05 | 414 | 0.122 | 40 | 1.02 | 0.093 | 0.48 | 3.9 | 0.20 | 2.4 | 4.0 | 0.20 | 5 | 3.7 | 1.1 |
| STD DS7 | Standard | 0.076 | 12 | 216 | 1.05 | 397 | 0.121 | 38 | 1.03 | 0.094 | 0.48 | 3.5 | 0.20 | 2.4 | 4.0 | 0.20 | 5 | 3.4 | 1.3 |
| STD DS7 Expected | | 0.08 | 12 | 179 | 1.05 | 370 | 0.124 | 39 | 0.959 | 0.089 | 0.44 | 3.4 | 0.2 | 2.5 | 4.2 | 0.19 | 5 | 3.5 | 1.08 |
| BLK | Blank | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| Prep Wash | | | | | | | | | | | | | | | | | | | |
| G1 | Prep Blank | 0.075 | 13 | 10 | 0.51 | 164 | 0.114 | 1 | 0.89 | 0.072 | 0.48 | <0.1 | <0.01 | 1.9 | 0.3 | <0.05 | 4 | <0.5 | <0.2 |
| G1 | Prep Blank | 0.079 | 11 | 7 | 0.51 | 159 | 0.110 | <1 | 0.89 | 0.071 | 0.48 | <0.1 | <0.01 | 1.8 | 0.3 | <0.05 | 4 | <0.5 | <0.2 |

# APPENDIX E. DETAILED DRILL HOLE SECTIONS


N
S
1000.0 Elev
900.0 Elev
800.0 Elev
700.0 Elev
600.0 Elev
Drill Hole Section
DDH T09-2
not split and sampled
0.0
69.6
191.0
T09-2
1:500
0
25
50
75
100
Lithology Legend
FDPP - feldspar porphyry dyke
LPTF - lapilli tuff
LTFP - mixed lapilli tuff and feldspar porphyry
MDST - graphitic mudstone
MFDK - mafic dyke
OVBD - overburden
VOLC - undivided volcanic rock


N
S
1000.0 Elev
900.0 Elev
800.0 Elev
700.0 Elev
600.0 Elev
Drill Hole Section
DDH T09-4
0.0
161.5
T09-4
OVBD
LPTF
FDPP
not split and sampled
1:500
0
25
50
75
100
Lithology Legend
FDPP - feldspar porphyry dyke
LPTF - lapilli tuff
LTFP - mixed lapilli tuff and feldspar porphyry
MDST - graphitic mudstone
MFDK - mafic dyke
OVBD - overburden
VOLC - undivided volcanic rock


N
S
1000.0 Elev
900.0 Elev
800.0 Elev
700.0 Elev
600.0 Elev
Drill Hole Section
DDH T09-5
ppm Cu
1:500
0
25
50
75
100
Lithology Legend
FDPP - feldspar porphyry dyke
LPTF - lapilli tuff
LTFP - mixed lapilli tuff and feldspar porphyry
MDST - graphitic mudstone
MFDK - mafic dyke
OVBD - overburden
VOLC - undivided volcanic rock
0.0
539.5
T09-5


1000.0 Elev
1000.0 Elev
West
East
0
OVBD
Drill Hole Section
DDH T09-6
900.0 Elev
900.0 Elev
VOLC
not split and sampled
1:500
0
25
50
75
100
800.0 Elev
800.0 Elev
Lithology Legend
FDPP - feldspar porphyry dyke
LPTF - lapilli tuff
LTFP - mixed lapilli tuff & feldspar porphyry
MDST - graphitic mudstone
MFDK - mafic dyke
OVBD - overburden
VOLC - undivided volcanic rock
ppm Cu
40.7
58.9
59.6
70.2
268.1
81.0
MDST
FDPP
320.02
T09-6
700.0 Elev
700.0 Elev

West
East
Drill Hole Section
DDH S10-1
ppm Cu
950.0 Elev
900.0 Elev
850.0 Elev
800.0 Elev
750.0 Elev
700.0 Elev
650.0 Elev
S10-1
441.46
S10-2
OVBD
LPTF
1:500
0
25
50
75
100
Lithology Legend
FDPP - feldspar porphyry dyke
LPTF - lapilli tuff
LTFP - mixed lapilli tuff & feldspar porphyry
MDST - graphitic mudstone
MFDK - mafic dyke
OVBD - overburden
VOLC - undivided volcanic rock

Drill Hole Section
DDH S10-2
(looking SE)
ppm Cu
1000.0 Elev
900.0 Elev
800.0 Elev
700.0 Elev
278.82
S10-2
S10-1
Lithology Legend
FDPP - feldspar porphyry dyke
LPTF - lapilli tuff
LTFP - mixed lapilli tuff & feldspar porphyry
MDST - graphitic mudstone
MFDK - mafic dyke
OVBD - overburden
VOLC - undivided volcanic rock
1:500
0
25
50
75
100