Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]:

TOTAL COST: $455,326.66

AUTHOR(S): Thomas Branson, Ron Voordouw **SIGNATURE(S):**

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): 1300188-201501 August 12, 2015 **YEAR OF WORK:** 2015

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): event # 5586159 January 12, 2016

PROPERTY NAME: Mount Milligan

CLAIM NAME(S) (on which the work was done): 512888, 595146, 512884

COMMODITIES SOUGHT: Copper, Gold, Silver

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 093N191, 093N194, 093N123, 093N204

MINING DIVISION: Omineca **NTS/BCGS:** NTS 93O04, 93K16, 93J13

LATITUDE: 55 ° 09 ' 02 " **LONGITUDE:** 124 ° 05 ' 13 " **(at centre of work)**

OWNER(S):
1) Terrane Metals Corporation **2)**

MAILING ADDRESS:
177 Victoria Street, Suite 100
Prince George, BC V2L 5R8

OPERATOR(S) [who paid for the work]:
1) Terrane Metals Corporation **2)**

MAILING ADDRESS:
177 Victoria Street, Suite 100
Prince George, BC V2L 5R8

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Middle-Lower Jurassic Quesnel belt.
Takla, Nicola, and Stuhina group.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 04274, 04742, 05175, 11951,12912,14377
16966, 17936, 18523, 19121, 20446, 21488, 21682, 22294, 25299, 27709, 28209, 28210, 28712, 30425, 31095, 31930, 35023

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TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core	5 holes, 1786.43 m		$368,337.81
Non-core			
RELATED TECHNICAL			
Sampling/assaying	Drill Core 1209 samples	595146, 512884	$28,608.85
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail	10.54 km.	512888, 595146, 512884	$58,380.00
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	$455,326.66

Terrane Metals Corporation

2015 DRILLING REPORT ON THE MT. MILLIGAN NORTHWEST CLAIM GROUP

Located in the Nation River Area, Omineca Mining Division
NTS 93O04, 93N01, 93K16 and 93J13
55˚ 10’ 55” N Latitude; 123˚ 48' 50” W Longitude

-prepared for-

Terrane Metals Corporation.
26 West Dry Creek Circle, Suite 810
Littleton, Colorado, USA
80120

-prepared by-

Thomas Branson, Ron Voordouw

EQUITY EXPLORATION CONSULTANTS LTD.
Suite 1510, 250 Howe Street
Vancouver, British Columbia, Canada, V6C 3R8

February 12, 2016

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1.0 SUMMARY

In May 2015, Terrane Metals Corporation ('Terrane') contracted Equity Exploration Consultants Ltd. ('Equity') to conduct a mineral exploration program focussed on the Snell and Mitzi geophysical and geochemical targets in the northwestern Mt. Milligan claim group of the Mt. Milligan Property ('Property'). This program was completed between October and November 2015 ("2015 fall drill program") with the drilling of five holes for 1786.43 m, which includes on hole that was abandoned at 41.15 m depth.

The aim of the 2015 fall drill program was to identify porphyry-style Cu-Au mineralization, similar to the existing Mt. Milligan mine, by drill testing coincident magnetic, chargeability and geochemical anomalies referred to as the Snell and Mitzi target areas. Previous work in the Snell Target Area includes ten drillholes, completed in 1990 that failed to identify significant mineralization, but were also drilled to relatively shallow depths (45 m to 188 m) below the surface. More recently, the Snell and Mitzi target areas were part of a property-wide HeliGEOTEM II airborne geophysical survey completed in 2008, as well as an Induced Polarization (IP) survey in 2009 and grid soil sampling in 2009-10. This work revamped interest in the Snell and Mitzi target areas as prospective for porphyry-type Cu-Au deposits.

In the Snell Target Area, three holes, each reaching ~400 m depth, were drilled (15-1020, -1021 and -1022) for 1198.16 m, whereas two holes for 588.27 m were drilled in the Mitzi Target Area (15-1023 and -1024); hole 15-1023 was abandoned at 41 m and hole 15-1024 reached 547.12 m. Major lithologies encountered in the target areas include argillite, andesite flows and tuffs, diorite, monzonite and monzodiorite with minor latite and trachyte. Drilling at the Snell and Mitzi targets provides an explanation for the coincident geophysical anomalies in the Snell Target Area and identified a vector towards possible mineralization at the Mitzi Target. Alteration and minor copper mineralization encountered in drillhole 15-1024 between 171-240 m and from 534-547 m suggest copper mineralization is associated with albite alteration, which may be related to porphyry mineralization. However, assay results were disappointing with maximum values of 542 ppm (0.05%) Cu over 1.17 m, 154 ppb (0.154 g/t) Au over 1.80 m and 36 ppm (0.004%) Mo over 2.54 m.

A concerted effort was made to limit the amount of environmental disturbance as part of the 2015 fall drill program, which restricted access to only parts of the Snell and Mitzi target areas. This partially led to the best part of the Snell and Mitzi target areas not being drilled during the 2015 field season because of the considerably more disturbance required to access the sites, including the construction of creek crossings and emplacement of culverts. Therefore; despite the low assay values, follow-up drilling at the Snell and Mitzi target areas is warranted. Conducting additional geological mapping, geochemical sampling and geophysics in the Snell and Mitzi target areas is also recommended.

2.0 INTRODUCTION

This report has been prepared by Equity on behalf of Terrane to be used for assessment credit filing and to detail results of the 2015 fall drill program on the northwestern Mt. Milligan claim group. The program consisted of access trail re-opening and construction for the purpose of diamond drilling and drilling of 1786.43 m in five holes. Equity managed all aspects of the drill program on behalf of Terrane, and all new data presented in this report was either collected by Equity personnel or by subcontractors managed by Equity. Preparation for field work began in September, including site visits and trail re-opening, while drilling activities were conducted between October 10th and November 10th, 2015. Historical data is taken from internal data supplied by Terrane, NI 43-101 technical reports, government reports and academic papers. Thomas Branson and Ron Voordouw were actively involved in the exploration program and have first-hand knowledge of the property.

3.0 RELIANCE ON OTHER EXPERTS

Claim information for this report was provided by Mineral Titles Online with background information drawn from publicly available reports (as listed in Appendix A). No other report, opinion or statement has been relied upon for information concerning legal, environmental or political issues.

4.0 PROPERTY DESCRIPTION AND LOCATION

The Property is located within the Omineca Mining Division in north-central British Columbia, approximately 155 km northwest of Prince George, 86 km north of Fort St James and 95 km west of Mackenzie (Figure 1). The claim group consists of 107 mineral claims and 1 mining lease covering a total area of 49,726 ha, the details of which are summarized in Table 1 and Figure 2 (in pocket). The claim group is located over four National Topographic System (NTS) maps, which include 93O04, 93N01, 93K16 and 93J13, with the Property centred at approximately 123°1'30" west longitude and 55°7'35" north latitude. The field area for the 2015 exploration program is located on NTS map sheet 93N01. The claim group is 100% owned by Terrane (Owner Number 248764) which is a wholly owned subsidiary of Thompson Creek Metals Company. On October 20th, 2010 Thompson Creek acquired all of the issued and outstanding equity of Terrane which included the large Mt. Milligan land holding. Additional claims were staked in August 2014 (GD1-GD3) and June 2015 (DB1-2), while two claims (ARM and STRONG) were transferred to Terrane in July 2015.

The 2015 fall drill program occurred on a block of claims located to the northwest of the Mt. Milligan mine site (Figure 2), referred to as the Northwest Claim Group, which is part of a larger land holding that includes the Mt. Milligan alkalic porphyry Cu-Au mine that, as of December 2014, contained Measured and Indicated Mineral Resource of 122.3 Mt at 0.155 % Cu and 0.321 g/t Au containing 417 million lb copper and 1.25 million oz gold, as well as proven and probable mineral reserves of 542.1 Mt at 0.201 % Cu and 0.355 g/t Au containing 2.4 billion lb Cu and 6.2 million oz gold (Clifford and Berthelsen, 2015). The three main zones comprising the deposit will be mined through multi-phases cumulating in a LOM (Life of Mine) Ultimate Pit. Mining is by conventional truck-shovel operations and ore is processed in a 60,000 t per day copper flotation concentrator. The phased start-up commenced on August 15th, 2013, followed by the first production of copper-gold concentrate in September 2013. The mine achieved commercial production on February 18th, 2014.

In British Columbia, exploration and development work must be registered within one year of the work being completed and must be registered before the expiry date of the claim. Upon registration of the work, the title holder has 90 days to submit a technical report of work completed. The value of exploration and development work required to maintain a mineral claim is $5 per hectare for anniversary years 1 and 2, $10 per hectare for anniversary years 3 and 4, $15 per hectare for anniversary years 5 and 6 and $20 per hectare for subsequent anniversary years. The single mining lease included within the claim group was issued to Terrane on September 9th, 2009 and has required lease payments of $20 per hectare or $102,760, due annually on the 9th September.

Thompson Creek Metals

Mt Milligan Project

Location Map

EQUITY

Date: 08/01/2016		Figure
Proj: UTM Zone 10 (NAD 83)		1
Prov: BC		

Work during the 2015 field program was conducted under Mines Act Permit MX-13-182, a multi-year area-based (MYAB) permit allowing for exploration activities on the Property until December 31st, 2017. Equity submitted a Notice of Work for exploration drilling in the Northwest Claim Group on June 12th, 2015.

Table 1: Mt. Milligan Property mineral claims

Tenure Number	Claim Name	Owner	Tenure type	Issue Date	Expiry Date	Area (ha)
512884		248764 (100%)	Mineral Claim	2005/may/18	14/03/2018*	369.632
512887		248764 (100%)	Mineral Claim	18/05/05	14/03/2018*	295.844
512888		248764 (100%)	Mineral Claim	18/05/05	14/03/2018*	369.979
512890		248764 (100%)	Mineral Claim	18/05/05	14/03/2018*	296.121
512891		248764 (100%)	Mineral Claim	18/05/05	14/03/2018*	554.449
512897		248764 (100%)	Mineral Claim	18/05/05	14/03/2018*	444.34
512907		248764 (100%)	Mineral Claim	18/05/05	14/03/2018*	424.903
512909		248764 (100%)	Mineral Claim	18/05/05	14/03/2018*	351.094
512913		248764 (100%)	Mineral Claim	18/05/05	14/03/2018*	665.236
512919		248764 (100%)	Mineral Claim	18/05/05	14/03/2018*	444.319
512921		248764 (100%)	Mineral Claim	18/05/05	14/03/2018*	518.369
512923		248764 (100%)	Mineral Claim	18/05/05	14/03/2018*	332.428
512924		248764 (100%)	Mineral Claim	18/05/05	14/03/2018*	665.165
512925		248764 (100%)	Mineral Claim	18/05/05	14/03/2018*	73.961
512927		248764 (100%)	Mineral Claim	18/05/05	14/03/2018*	406.695
512930		248764 (100%)	Mineral Claim	18/05/05	14/03/2018*	480.648
512931		248764 (100%)	Mineral Claim	18/05/05	14/03/2018*	480.341
512932		248764 (100%)	Mineral Claim	18/05/05	14/03/2018*	92.341
512933		248764 (100%)	Mineral Claim	18/05/05	14/03/2017*	517.134
512934		248764 (100%)	Mineral Claim	18/05/05	14/03/2017*	554.332
512935		248764 (100%)	Mineral Claim	18/05/05	14/03/2017*	443.673
512936		248764 (100%)	Mineral Claim	18/05/05	14/03/2017*	720.559
512937		248764 (100%)	Mineral Claim	18/05/05	14/03/2017*	517.346
512938		248764 (100%)	Mineral Claim	18/05/05	14/03/2017*	462.136
512939		248764 (100%)	Mineral Claim	18/05/05	14/03/2017*	462.135
512940		248764 (100%)	Mineral Claim	18/05/05	14/03/2017*	462.134
512941		248764 (100%)	Mineral Claim	18/05/05	14/03/2017*	665.851
512942		248764 (100%)	Mineral Claim	18/05/05	14/03/2017*	554.875
512943		248764 (100%)	Mineral Claim	18/05/05	14/03/2017*	370.069
512944		248764 (100%)	Mineral Claim	18/05/05	14/03/2017*	369.861
512945		248764 (100%)	Mineral Claim	18/05/05	14/03/2017*	462.324
512960		248764 (100%)	Mineral Claim	18/05/05	14/03/2017*	203.414
521164	MILL 1	248764 (100%)	Mineral Claim	14/10/05	14/03/2018	332.887
521165	MILL 2	248764 (100%)	Mineral Claim	14/10/05	14/03/2018	443.905
521177	MILL 3	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	444.089
521178	MILL 4	248764 (100%)	Mineral Claim	14/10/05	14/03/2018	277.539
521179	MILL 5	248764 (100%)	Mineral Claim	14/10/05	14/03/2018	462.756
521180	MILL 6	248764 (100%)	Mineral Claim	14/10/05	14/03/2018	370.225
521181	MILL 7	248764 (100%)	Mineral Claim	14/10/05	14/03/2018	351.719
521182	MILL 8	248764 (100%)	Mineral Claim	14/10/05	14/03/2018	444.449

Table 1: Mt. Milligan Property mineral claims (continued)

Tenure Number	Claim Name	Owner	Tenure type	Issue Date	Expiry Date	Area (ha)
521183	MILL 9	248764 (100%)	Mineral Claim	14/10/05	14/03/2018	370.374
521184	MILL10	248764 (100%)	Mineral Claim	14/10/05	14/03/2018	296.301
521185	MILL 11	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	444.471
521186	MILL 12	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	444.496
521187	MILL 13	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	407.598
521189	MILL 14	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	370.632
521190	MILL 15	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	463.037
521191	MILL 16	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	463.038
521192	MILL 17	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	370.431
521193	MILL 18	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	370.621
521194	MILL 19	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	463.276
521195	MILL 20	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	463.276
521196	MILL 21	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	444.632
521197	MILL 22	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	444.635
521198	MILL 23	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	463.375
521199	MILL 24	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	463.374
521200	MILL 25	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	463.377
521201	MILL 26	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	185.351
521202	MILL 27	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	445.045
521203	MILL 28	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	445.047
521204	MILL 29	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	445.047
521205	MILL 30	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	445.049
521206	MILL 31	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	463.565
521207	MILL 32	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	370.852
521208	MILL 33	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	445.206
521209	MILL 34	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	445.207
521210	MILL 35	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	445.21
521212	MILL 36	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	333.905
521213	MILL 37	248764 (100%)	Mineral Claim	14/10/05	14/03/2017*	166.952
524891	ARM	248764 (100%)	Mineral Claim	08/01/06	14/03/2018	463.039
524892	STRONG	248764 (100%)	Mineral Claim	08/01/06	14/03/2018	463.374
579598		248764 (100%)	Mineral Claim	28/03/08	14/03/2017*	295.7519
579599		248764 (100%)	Mineral Claim	28/03/08	14/03/2017*	295.6275
579600		248764 (100%)	Mineral Claim	28/03/08	14/03/2017*	369.6889
579602		248764 (100%)	Mineral Claim	28/03/08	14/03/2017*	369.5332
580741		248764 (100%)	Mineral Claim	08/04/08	14/03/2017*	443.0304
580742		248764 (100%)	Mineral Claim	08/04/08	14/03/2017*	443.0297
580743		248764 (100%)	Mineral Claim	08/04/08	14/03/2017*	406.1485
580744		248764 (100%)	Mineral Claim	08/04/08	14/03/2017*	461.7058
580745		248764 (100%)	Mineral Claim	08/04/08	14/03/2017*	461.699
580746		248764 (100%)	Mineral Claim	08/04/08	14/03/2017*	461.4626
580747		248764 (100%)	Mineral Claim	08/04/08	14/03/2017*	461.6993
580748		248764 (100%)	Mineral Claim	08/04/08	14/03/2017*	461.4618

Table 1: Mt. Milligan Property mineral claims (continued)

Tenure Number	Claim Name	Owner	Tenure type	Issue Date	Expiry Date	Area (ha)
580749		248764 (100%)	Mineral Claim	08/04/08	14/03/2017*	461.4602
580750		248764 (100%)	Mineral Claim	08/04/08	14/03/2017*	461.6977
595146		248764 (100%)	Mineral Claim	01/12/08	14/03/2018*	443.6279
595163		248764 (100%)	Mineral Claim	01/12/08	14/03/2018*	147.8759
677107	FURB	248764 (100%)	Mineral Claim	01/12/09	14/03/2018*	462.4242
677785		248764 (100%)	Mineral Claim	02/12/09	14/03/2018*	147.8006
678524		248764 (100%)	Mineral Claim	03/12/09	14/03/2017*	464.0154
678527		248764 (100%)	Mineral Claim	03/12/09	14/03/2017*	464.0028
678536		248764 (100%)	Mineral Claim	03/12/09	14/03/2017*	389.7479
678564		248764 (100%)	Mineral Claim	03/12/09	14/03/2017*	464.014
678583		248764 (100%)	Mineral Claim	03/12/09	14/03/2017*	464.0256
678588		248764 (100%)	Mineral Claim	03/12/09	14/03/2017*	464.2712
678603		248764 (100%)	Mineral Claim	03/12/09	14/03/2017*	55.663
679483		248764 (100%)	Mineral Claim	05/12/09	14/03/2018*	461.9455
679484		248764 (100%)	Mineral Claim	05/12/09	14/03/2018*	221.7012
679485		248764 (100%)	Mineral Claim	05/12/09	14/03/2018*	350.9391
679505		248764 (100%)	Mineral Claim	05/12/09	14/03/2018*	369.2328
679506		248764 (100%)	Mineral Claim	05/12/09	14/03/2018*	443.1255
679509		248764 (100%)	Mineral Claim	05/12/09	14/03/2018*	462.1832
1030396	GD1	248764 (100%)	Mineral Claim	19/08/14	14/03/2017*	369.1532
1030397	GD2	248764 (100%)	Mineral Claim	19/08/14	14/03/2017*	664.135
1030398	GD3	248764 (100%)	Mineral Claim	19/08/14	14/03/2017*	1106.8883
1036881	DB1	248764 (100%)	Mineral Claim	23/06/15	14/03/2018*	277.0547
1036882	DB2	248764 (100%)	Mineral Claim	23/06/15	14/03/2018*	110.7931

*Based on the assessment work included in this report and Portable Assessment Credit Withdrawal (Filing event #: 5586159)

5.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE, PHYSIOGRAPHY

The Mt. Milligan Property can be accessed from the south via Fort St James on the Germansen North Road followed by the Rainbow-Milligan Forest Service Road (FSR), or from the east via Mackenzie on the Community Connector FSR and switching to the Rainbow-Milligan FSR. The roads are in good condition and well-maintained owing to active logging and mining in the area that utilises both routes. In addition, the Community Connector FSR serves as a haul road for the Mt. Milligan mine site, whereas both routes are used for daily and weekly crew changes. Access to the field area for the 2015 fall drill program required passing through the Mt. Milligan active mining area towards Heidi Lake and then taking the Mitzi Lake access road.

The climate in the area can be classified as Interior Plateau and is characterized by short warm summers and longer moderately cold winters. Climate data derived from a monitoring station at Mackenzie airport indicate that temperatures range from an average low of -12.9°C in January to an average high of 22.2°C in July.

Regionally, the Property lies near the northern boundary of the Nechako Plateau and the southern limits of the Swannell Range of the Omineca Mountains of the Canadian Cordilleran Interior System. The western part of the Property, which includes the field area for this report and the Mt. Milligan mine site, is dominated by a chain of peaks aligned in an approximate north-south direction. Mt. Milligan is the highest of these peaks, rising to an elevation of 1,508 m, and is rounded and symmetrical in shape. The Mt. Milligan deposit occurs to the south of Mt. Milligan at an elevation of approximately 1,100 m. The eastern part of the

Property is dominated by gentle relief but includes a central region of elevated topography trending northwest and rising to approximately 1,350 m. Several isolated rounded hills also occur in the area rising to a similar elevation. A region of lower topography separates the western and eastern areas of the Property. Several elongated northwest-trending lakes occur in the eastern part of the Property and are interpreted to reflect the regional structural grain.

The Mt. Milligan area was last glaciated 10,000–20,000 years ago with regional ice flow direction to the northeast (Kerr and Sibbick, 1991). This event coated the landscape with a blanket of glacial till and altered pre-glacial drainage patterns. Drumlins, flutings, eskers and melt-water channels of various dimensions are noticeable features of the region. Locally, glacial features show that ice was funnelled through east–west oriented valleys north and south of the Mt. Milligan deposit before flowing northeast (Kerr and Sibbick, 1991). In the field area south of the Nation River, ice flow direction was re-oriented towards the east (Kerr and Sibbick, 1991). The field area is generally well drained with flow towards the Nation River except for glacial depressions that have formed into bogs.

Vegetation in the region consists of pine and spruce with lesser amounts of alder. Beetle-killed timber is present throughout the field area and represents a hazard during field work, especially during strong winds. In addition, numerous recent and active logging cut blocks occur throughout the field area, many of which have been recently replanted.

Labour and services are readily available from Fort St James, Mackenzie, Vanderhoof and Prince George with access provided by the aforementioned forest service roads from the south and east. The Mt. Milligan mine site occurs approximately 4.5 km to the southeast of the field area providing well-serviced camp accommodation, emergency response capabilities and specialized trade expertise. Electrical power can be accessed directly from the BC Hydro Kennedy Substation south of Mackenzie or from the main high voltage transmission lines that run from the Kennedy Substation to the Mt. Milligan mine site.

6.0 HISTORY

The description of history of the Property, unless otherwise noted, is drawn largely verbatim from the Wardrop "Technical Report – Feasibility Update, Mt. Milligan Property – Northern BC" (Mills et al., 2009).

6.1 Timeline

The earliest record of exploration activity in the area is by prospector George Snell, who found gold-bearing float on the western flank of Mt. Milligan in 1937. In 1945, Mr. Snell returned to the area and staked 10 two-post claims west of Mitzi Lake. Five pyritic andesite float samples returned assays ranging from trace to 148.8 g/t of gold. The source of the float was not found and no other gold-bearing mineralization was found in place.

The first recorded claims in the Mt. Milligan region were the Mosquito 1–10 two-post claims staked on August 4, 1972 by Pechiney Development Ltd. ('Pechiney'). Subsequent exploration work identified induced polarization and soil geochemical anomalies. Pechiney drilled five diamond drillholes to evaluate the anomalies, but identified no significant copper mineralization and allowed the claims to lapse.

No further major exploration work in the Mt. Milligan area occurred until 1983 when Selco Inc. ('Selco') took an interest in the region. Selco staked the PHIL 1 through 12 claims over the ground covered by the original Mosquito claims and completed preliminary surveys. In early 1984, Selco amalgamated with BP Resources.

In April 1984, Richard Haslinger staked the HEIDI claims adjacent to the PHIL claims. BP Resources Canada Ltd. ('BP Resources') optioned the HEIDI claims from Richard Haslinger in July 1984. In late 1984 and early 1985, BP Resources staked the PHIL 21 through 29 claims. In 1984 and 1985, BP Resources completed geological, soil geochemical, magnetic, induced polarization surveys, and carried out a modest trenching program. The work identified polymetallic auriferous vein systems and weak copper-gold porphyry mineralization.

Lincoln Resources Inc. (‘Lincoln’) entered into an agreement with BP Resources on April 21st, 1986, to continue exploration of the claims. The agreement allowed Lincoln to earn a 51% interest in the Property which was subsequently increased to 69.84% through the operation of dilution provisions. In July 1986, Lincoln entered into a new option agreement with Richard Haslinger on the HEIDI claims. In September 1987, Lincoln undertook a drilling campaign following up on targets identified by BP Resources which resulted in the first discovery of significant gold-copper mineralization in the MBX zone.

Drilling in 1988 focused on the porphyry copper-gold style mineralization intersected in the MBX Zone. On July 31, 1988, Lincoln reorganized to become United Lincoln Resources Inc. (‘United Lincoln’). In September 1988, United Lincoln staked the MILLIGAN, RAINBOW 1 through 4, and SKUD mineral claims, and the Magnetite Breccia (MBX) 1 through 13 placer claims. In August 1988, Continental Gold Corp. (‘Continental’) acquired 64% of the shares of United Lincoln. On March 15, 1989, Continental and United Lincoln amalgamated and concurrently transferred the amalgamated undertaking to their subsidiary, and successor company, DASS No. 39 Holdings Ltd. (‘DASS’). DASS changed its name to Continental Gold Corp. on the same date.

In July 1989, a major drill program was launched that included 87,622 m of diamond drilling in 336 holes which intersected further significant gold-copper mineralization and essentially outlined all of the currently known zones of the deposit. In 1990, Continental continued staking and acquiring claims in the region. The company staked the RAINBOW 5 through 9, RAINBOW 3 Fraction, BEE and SEE mineral claims, MBX 14 through 29, and RAIN placer claims. It also acquired the BONANZA, MARTIN, and TRNAVA mineral claims. Additionally, BP Resources staked 154 contiguous claim units on the western edge of the main Mt. Milligan claims owned by Continental in February, March and October, 1989, later grouped as the SNOWSHOE group and TEA groups in February, 1990 (Barnes, 1991). These claims include part of the work area in this report.

Diamond infill drilling continued from January to September 1990 with 386 holes totalling 82,924 m. In September 1990, Placer Dome Inc. (‘Placer Dome’) purchased BP Resources’ share of the PHIL and HEIDI mineral claims. Placer Dome and a wholly-owned subsidiary (‘PDI Subco’) then acquired by takeover bid approximately 98% of the shares of Continental, and in November 1990, Placer Dome resumed exploration drilling. Drilling focused on the SS deposit with additional exploration drilling elsewhere on the Property and a number of geotechnical and metallurgical holes also completed.

An airborne magnetometer and VLF-EM survey was carried out on the SNOWSHOE and TEA claims in June 1989 by Aerodat Ltd., and was followed by the construction of 3.7 km of access roads and the completion of two ground magnetometer survey grids over anomalous airborne magnetic responses in September, 1989 (Wong, 1990). In September, 1990, a further 3 km of access roads were pushed in and a total of 1427.4 m was drilled in 10 diamond drillholes on geophysical anomalies outlined during the previous field campaign. No economically significant values were returned from the drilling (Barnes, 1991)

In January 1991, PDI Subco acquired the balance of the outstanding Continental shares. With these acquisitions, Placer Dome became the primary proponent of the Project and continued the process of seeking regulatory approval. In 1992, Placer Dome concluded that the Project was not sufficiently profitable, and wrote off the carried value of the property. In 1996, Placer Dome re-evaluated the Project using a new geological model that included new domains and hard boundaries. Test pits were excavated to the bedrock surface to obtain additional geotechnical information. Operating and mining costs were updated and revised. Placer Dome completed an economic re-evaluation in 1998. No re-modelling of the geology was undertaken, with the 1996 model for the Main deposit being used, along with the 1991 model for the SS. A variety of alternate mining and processing scenarios were investigated during this study.

In 2003, Mining Solutions completed a project review of available data, particularly Placer Dome’s patented hydrometallurgy process. In 2004, Placer Dome initiated a number of programs to further assess the Project. Historical data was assembled and reprocessed into a GIS database. This included all available geological, geochemical, and geophysical data. Geophysical and geochemical data was processed to form a variety of images to enhance interpretation. A drill program consisting of 14 holes was initiated to provide fresh core samples for additional metallurgical testing. The holes were planned to twin existing holes that were collared in mineralization to maximize the amount of recovered mineralized core. A 3-D geological model was constructed to provide a more consistent geological model.

In 2005, a regional stream sediment sampling program was undertaken as a research project to assess the downstream dispersion from Mt. Milligan as expressed by a number of analytical and sampling techniques. A Masters Study was also initiated through UBC/MDRU, investigating the alteration patterns, with the objective of building a 3-D alteration model. A resource estimate was also completed by Placer Dome and is shown in Table 2 below. In May 2006, Barrick Gold Corporation purchased Placer Dome and sold Placer Dome's Canadian assets to Goldcorp Inc. ('Goldcorp'), including the Mt. Milligan Property. Goldcorp in turn sold certain assets (including Mt. Milligan) to Atlas Cromwell Ltd. ('Atlas Cromwell') and in July 2006, Atlas Cromwell was renamed Terrane Metals Corporation.

Terrane continued exploration and resource definition work on the Mt. Milligan deposit. This included additional drilling for metallurgical test work, drilling to target areas of mineralization that had been less densely drilled by previous operators and drilling designed to gather geological and geotechnical information along the perimeters of the Main deposit. In 2007, a fourth phase of drilling designed for geotechnical purposes along the margins of the SS deposit and to gather geological information in the area of mine infrastructure was completed.

Table 2: Mt. Milligan resource estimates

Year	Category	Tonnes (Mt)	Cu (%)	Au g/t	Contained Cu (million lbs)	Contained Au (million oz)
2005	Measured	90.6	0.26	0.6	520	1.78
	Indicated	115.3	0.236	0.5	600	1.91
	Total	**205.9**	**0.247**	**0.6**	**1,120**	**3.69**
2009	Measured	334.6	0.197	0.398	1,453	4.28
	Indicated	372.1	0.169	0.269	1,386	3.22
	Total	**706.7**	**0.182**	**0.330**	**2,840**	**7.50**
2014	Measured	43.2	0.122	0.465	116	0.64
	Indicated	79.1	0.172	0.243	301	0.61
	Total	**122.3**	**0.155**	**0.321**	**417**	**1.25**
	Proven	300.1	0.206	0.424	1,366	4.10
	Probable	242.0	0.195	0.269	1,041	2.10
	Total	**542.1**	**0.201**	**0.355**	**2,407**	**6.20**

In 2008, an airborne magnetics and HeliGEOTEM II electromagnetic survey consisting of 1,458 line-km was flown over 264 km^2 of the 400 km^2 Mt. Milligan Property by Fugro Airborne Surveys Corp. The survey was successful in identifying numerous geophysical anomalies warranting further follow up exploration. In 2009, follow up work from the airborne geophysics included the completion of Induced Polarity (IP) surveys on two grids to investigate 12 of the geophysical anomalies. Two and three dimensional IP surveys (2DIP and 3DIP, respectively) were conducted by SJ Geophysics Ltd correspondingly on the North and South Grids (Hermiston, 2009). The survey results demonstrated that five of the HeliGEOTEM anomalies, including the Mitzi and Snell targets, have coincident IP chargeability anomalies and display signatures similar to those found at the Main and SS deposits.

In the summer seasons of 2009 and 2010, Terrane completed a regional geochemical stream survey, a soil geochemical orientation survey over the Mt. Milligan deposits, and a soil geochemical survey over the North Grid to supplement the 2DIP survey. The soil geochemical work over the North Grid identified a multi element soil anomaly on Snell Hill, west of Mitzi Lake, with the geochemical signature of a high-level intrusive source (Heberlein, 2010).

A revised NI 43-101 compliant resource was released for the Mt. Milligan deposit in October 2009 that contained measured and indicated mineral resources of 706.7 Mt at 0.18% Cu and 0.33 g/t Au, containing 2.84 billion pounds copper and 7.5 million ounces gold, significantly increasing the resource from the 2005 estimate (Table 2).

From September to November 2010, a total of 4,944 m in nine diamond drillholes were drilled in the South Grid area. Drilling identified narrow intervals of high-grade Cu-Au mineralization associated with biotite-magnetite alteration similar to the Mt. Milligan deposit and wider Au-rich, Cu-poor intersections similar to the

66 Zone. From November 2010 to March 2011, a total of 5,591 m in eight diamond drillholes were drilled to follow-up upon previous holes drilled into the footwall of the WBX and other Stocks (Harris, 2011a, b). This drilling used the results of a TITAN 24 geophysical survey completed in summer 2010 and was successful in identifying additional Au-Cu resources.

On October 20th, 2010 Thompson Creek Metals Company ('Thompson Creek') acquired all of the issued and outstanding equity of Terrane which included the Mt. Milligan deposit and large land holding. Thompson Creek continued to develop the deposit as a conventional truck and shovel operation from three main open pits and 60,000 tonnes per day copper flotation concentrator. The phased start-up commenced on August 15th, 2013, followed by the first production of copper-gold concentrate in September 2013. The mine achieved commercial production on February 18th, 2014.

Between August and October, 2014, an exploration program involving geological mapping, rock sampling, petrographic descriptions, soil sampling, Induced Polarization/Resistivity (IP/RES) and ground magnetic geophysical surveys on the eastern claim group of the Property was undertaken by Equity on behalf of Terrane. Two phases of work were completed; phase one consisted of mapping and soil sampling while phase two included IP/RES and ground magnetic surveys following up on phase one observations. This work identified a new prospect (Prospect 26) in the northeast of the Property with strong texturally destructive propylitic alteration, overlapping low, but elevated Cu and Zn soil values and is also ringed by a zone of unexplained high chargeability values (Hughes and Perk, 2014).

6.2 2015 Exploration Program

The 2015 fall drill program involved drilling in the northwest corner of the large Mt. Milligan exploration claim group surrounding the Mt. Milligan mining lease. A pre-field visit was carried out in mid-September to assess access and re-open the existing access road to the drilling areas on the Snell and Mitzi target areas. Drilling was carried out from October 10th to November 7th, 2015 and all exploration crews were off site by November 10th, 2015. All work was based out of the Mt. Milligan mine site with field crews travelling to and from the field area each day.

The Mitzi and Snell target areas are approximately six kilometres along the Mitzi Lake access road from the staging area at the former Heidi Lake exploration camp. The Mitzi Lake road was practically impassable using 4x4 pickup trucks to reach the target areas and proved to be a challenge for a number of all-terrain and utility vehicles due to the variability of the road's substrate (from clay-rich to soft and muddy) combined with steep inclines and rough terrain. A Bobcat Toolcat 5600 with chains on the rear wheels was the most reliable vehicle for the program. When it was working, a tracked Argo worked well and kept the road in good condition, but the vehicle had several breakdowns during the course of field work and required a trailer for hauling core to staging.

A total of 1786.43 m of core was drilled in five drillholes, including one abandoned hole of 41.15 m (15-1023). Three holes were drilled to test the Snell Target Area (1198.16 m) and two holes, including the abandoned hole, were drilled to test the Mitzi Target (588.27 m). Drilling was contracted to LDS Diamond Drilling Ltd from Kamloops, BC, who conducted drilling with a Longyear Super 38 diamond drill. Downhole surveys were taken approximately every 50 m using a Reflex EZ-Shot downhole tool to record azimuth and dip. A summary of the drillhole particulars can be found in Table 3 of this report. Drill core was transported from the field area by all terrain vehicles at crew change, or whenever practicable, to the Heidi Lake staging area and then transported to the core logging facility on the Mt Milligan mining lease. Core boxes were labelled with hole number, box number, and meterage at the top and bottom of each box. The core was logged for geology, core recovery, rock quality descriptor (RQD) and magnetic susceptibility (using KT-10 handheld probe), then photographed prior to being sampled. Complete drill logs are located in Appendix C of this report.

The core was sampled from the top to the bottom of each hole, with individual samples laid out to respect geological boundaries as much as possible. A sample tag was place at the end of each sample and the sample number was written on the core with a red China Marker. The core was split in half using an electric core saw with half the core retained for future reference and the other half placed in the sample bag. Quality control and quality assurance samples (QA/QC) were included at a rate of one field duplicate, one preparation duplicate, one standard and one blank in every 40 samples. Field duplicates were produced by quartering the core that was placed in the sample bags, allowing retention of half the core in the core box. A discussion of the QA/QC program can be found in Appendix F of this report. The core is currently stored at the core facility on the mining lease although it will, at some point, be moved to a more permanent storage area at the Heidi Lake staging area, which is where most of the historic core is kept.

A total of 956 samples were produced from the 2015 fall drill program, including 97 QA/QC samples (24 certified standard material samples, 24 field duplicate pairs, 24 preparation duplicate pairs and 25 blank samples). All samples were shipped to Acme Labs (a wholly owned subsidiary of Bureau Veritas Mineral Laboratories) preparation facility in Smithers, BC where they were crushed, split and pulverized to produce pulps. The pulps were then shipped to Acme's analytical facility in Vancouver, BC where they were analysed using AQ251 (modified aqua regia digestion followed by ICP-MS analysis of 15 g sample). Complete drill core analytical results can be found in Appendix D.

7.0 REGIONAL GEOLOGY AND MINERALIZATION

7.1 Regional Geology

The Mt. Milligan Property occurs within the Quesnel Terrane, a part of the Intermontane Belt that also includes the Cache Creek and Stikine terranes (Figure 3). The Intermontane Belt is thought to have amalgamated offshore in an oceanic setting prior to being accreted onto North America during the Early Jurassic (Monger et al., 1982). The Quesnel Terrane extends from southern BC northwest towards the Yukon, and is bound by the Cassiar Terrane to the east, interfingered with the Slide Mountain Terrane, and bound by the Cache Creek and Stikine terranes to the west.

The eastern boundary between the Quesnel and Cassiar terranes is marked by the Manson Fault Zone, a complex zone of east directed thrust faults that have emplaced the Quesnel Terrane above the Cassiar Terrane (Nelson, 1991). The western boundary contact with the Cache Creek Terrane is defined by the Pinchi Fault Zone, which comprises a network of strike slip and localized thrust faults (Nelson, 1991).

The Cassiar Terrane forms an autochthonous group of Upper Proterozoic to Permian sediments that were deposited along the ancient margin of the North American Craton (Colpron et al., 2007). The Wolverine Metamorphic Complex (WMC) forms part of the Cassiar Terrane and occurs both to the east and southeast of the Property. Towards the southeast, in the area around Carp Lake, it is known as the southern WMC (Nelson, 1991). Regionally, the WMC consists of metamorphosed sedimentary and mafic to intermediate intrusive rocks that are intruded by syn- and post-metamorphic felsic rocks (Staples, 2007). They can be divided into three sub-groups based on their composition, including metapelite, calc-silicate and amphibolite assemblages with biotite to garnet-grade metapelitic schist occurring at the highest stratigraphic level (Staples, 2007).

The Quesnel Terrane is a composite of low-grade metamorphic volcanic, intrusive and sedimentary rocks interpreted to represent an island arc assemblage that was first formed in the Middle and Late Triassic (Mortimer, 1986, 1987). The Takla and Nicola groups form the dominant lithologic units of this terrane. The Nicola Group is the name assigned to the volcano-sedimentary sequence and related intrusions in the south of the province with the Takla Group representing a coeval package of rocks in the north (Monger et al., 1982).

Regionally, the Takla Group comprises Late Triassic to Early Jurassic sedimentary units consisting of volcanic sandstone, tuff, siltstone, argillite, slate and sedimentary breccia, informally named the Inzana Lake Formation, interfingered with and overlain by volcanic, pyroclastic and epiclastic rocks of the Witch Lake Formation (Nelson, 1991). Augite-phyric volcaniclastics and coherent basaltic andesites dominant the Witch Lake Formation, although plagioclase- and hornblende-phyric rocks also occur and may be locally abundant (Nelson and Bellefontaine, 1996; Nelson, 1991). Both formations are intruded by coeval and post-Takla Group intrusions that are as young as Early Jurassic (Nelson, 1991).

Within the Mt. Milligan region, Takla Group volcanic rocks have undergone regional low grade metamorphism that produced prehnite-pumpellyite and, locally, zeolite facies assemblages. These low-grade metamorphic rocks contain secondary chlorite, carbonate, albite, epidote as well as rare pumpellyite and prehnite (Nelson and Bellefontaine, 1996; Nelson, 1991). Clinopyroxene is generally fresh whereas plagioclase ranges from fresh to albitized and sericitized (Nelson and Bellefontaine, 1996). Mapping has shown that a faulted package of rocks within the vicinity of the Property has undergone lower greenschist facies metamorphism as defined by abundant clear to pale green actinolite occurring as small acicular crystals and overgrowths on clinopyroxene (Nelson and Bellefontaine, 1996). Due to the complex structural history of the region, it is thought that these rocks may have laid closer to, and possibly even formed the roof of, the southern WMC where they were affected by elevated regional isotherms (Nelson and Bellefontaine, 1996).

7.2 Regional Mineralization

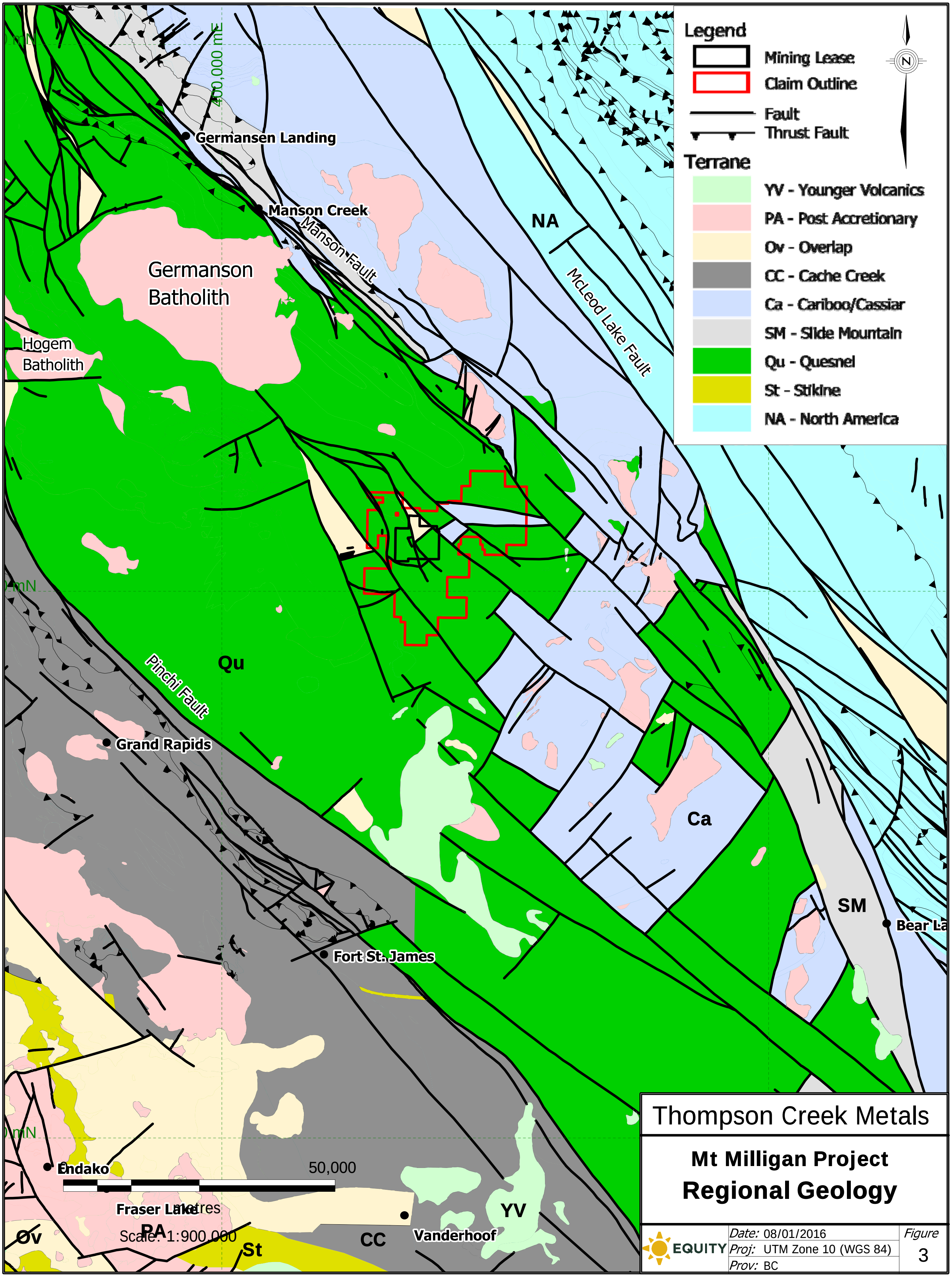
The Late Triassic volcanic arc responsible for the formation of the Quesnel Terrane also produced a number of intrusions that range in composition from gabbro to granodiorite. These intrusions are associated with several mineralization styles that include porphyry, epithermal and VMS. Of these deposit types, the Late Triassic to Early Jurassic porphyry Cu-Au and porphyry Cu-Mo deposits represent one of the most important groups of ore deposits in British Columbia.

Calc-alkaline porphyry Cu-Mo deposits such as Highland Valley, Brenda and Gibraltar are typically hosted in quartz-diorite to granodiorite intrusions that are approximately 215 to 210 Ma (Mortensen et al., 1995) The alkalic porphyry Cu-Au deposits are younger and thought to have formed during two different temporal events, the first of which includes Mt. Polley and Copper Mountain (210–200 Ma) and the second event includes Mt. Milligan and Lorraine (183–178 Ma) (Mortensen et al., 1995). Host rocks for these deposits include monzonite, monzodiorite and syenite. Regional mapping and prospecting has documented the potential for alkaline porphyry Cu-Au deposits throughout the Takla Group. Unfortunately, exposure of Takla Group rocks is generally poor, especially within the Nechako Plateau area, so that identification of prospective areas relies on less direct criteria such as alteration haloes and/or coincident geophysical and geochemical anomalies. Several such prospects occur in the vicinity of the Mt Milligan Mine and are described below.

The Mt. Milligan alkalic porphyry Cu-Au deposit is located to the southeast of the field area. Here mineralization occurs in three main zones: MBX (including the Cu-Au-rich WBX Zone), the 66 Zone (Au-rich) and Southern Star (Cu-Au-rich). Each of these zones is surrounded by well-developed propylitic and potassic alteration halos. Together these mineralized bodies constitute a resource (measured and indicated) of 706.7 Mt at 0.18% Cu and 0.33 g/t Au (Table 2).

The Mitzi Showing is located 4.5 km northwest of the Mt. Milligan deposit and 1 km northeast of Mitzi Lake, and consists of a tetrahedrite- and chalcopyrite-bearing quartz-ankerite breccia vein hosted in augite porphyry of the Witch Lake Formation (Nelson, 1991). The 2009–10 regional soil sampling program completed over several magnetic targets in the North Grid area detected a strong multi-element Au-As-Sb-Cd-Mo-Pb-Zn anomaly on Snell Hill (Heberlein, 2009; 2010) that is here referred to as the “Snell Showing”. Both the Mitzi and Snell showings were targeted in the 2015 fall drilling program.

Another significant showing occurs 15 km south of the Mt Milligan deposit, along a north-flowing tributary of Rainbow Creek, and is referred to as the Rainbow Creek Showing. This showing coincides with a strong base metal anomaly in stream sediments identified during a Regional Geochemical Survey program. One sample within the anomaly contained 21.5 ppm As, 9.4 ppm Sb and 128 ppm Zn (Nelson, 1991). A grey to black fault-zone breccia with quartz and carbonate veining and up to 20% pyrite outcrops on the banks of the tributary. The zone cuts through augite porphyry and tuffaceous black siltstone and mudstone of the Witch Lake Formation. Gossanous zones occur adjacent to the breccias and contain up to 3% pyrite. Base and precious metals values in the breccia are generally lacking, however a grab sample of one of the veins returned values of 1.4 g/t Au and 180 ppm As (Nelson, 1991).



Thompson Creek Metals

Mt Milligan Project

Regional Geology

EQUITY

Date: 08/01/2016

Proj: UTM Zone 10 (WGS 84)

Prov: BC

Figure 3

8.0 PROPERTY GEOLOGY

8.1 Mt. Milligan Geology

The Mt. Milligan Property is located within Triassic to Lower Jurassic volcanic and sedimentary rocks of the Takla Group and Hogem Intrusive Suite. On the property, the Takla Group is divided into the lower sedimentary Inzana Lake Formation and upper volcaniclastic Witch Lake Formation.

The Witch Lake Formation hosts the Mt. Milligan deposit and is characterized by augite-phyric volcaniclastics and more coherent basaltic andesite flows with subordinate epiclastic beds (Mills et al., 2009). At Mt. Milligan, the Witch Lake Formation is intruded by coeval and post-Takla Group intrusions. The coeval intrusions include monzonite with minor diorite/monzodiorite and gabbro, with the monzonite intrusions hosting mineralization in the MBX, SS, Goldmark and North Slope stocks. Post-Takla Group intrusions comprise mainly granite (Mills et al., 2009).

The Main and Southern Star deposits are centred on the MBX and SS stocks respectively. The Main deposit is further divided into the DWBX, WBX, MBX and “66” zones, with the MBX Zone comprising the main Au-Cu ore body. Centred on the Rainbow Dyke, the MBX stock is a moderate west dipping monzonite body with mineralization extending from the eastern contact of the MBX stock to the Great Eastern Fault (Mills et al., 2009). The SS stock is moderately west dipping, strikes north-northwest and has more irregular margins than the MBX stock (Mills et al., 2009). The MBX and SS stocks contain up to 30% subparallel plagioclase phenocrysts in a greyish pink fine-grained groundmass of plagioclase, quartz, hornblende, biotite and accessory magnetite. Hydrothermal breccia, characterized by potassium feldspar veinlets and flooding, occurs throughout the SS stock and less commonly along the margins of the MBX stock (Mills et al., 2009).

Monolithic andesitic rocks of the Witch Lake Formation host most of the Mt. Milligan deposit. They are characterized by actinolite-altered augite-porphyritic lapilli tuff and augite crystal lithic tuff with augite-plagioclase porphyritic flows and hetrolithic debris flows. Hornblende phenocrysts are locally present within flows and crystal tuffs. Rocks originally described as latitic volcanics surround most of the area of the MBX stock and less commonly in areas adjacent to the SS stock (Mills et al., 2009). The latitic volcanic rocks can be distinguished from andesite rocks by their darker colour, a general absence of visible hornblende, the presence of biotite and, based on staining, greater than one-third potassium feldspar content (Mills et al., 2009).

The abundance of potassium feldspar led past workers to a field classification of augite-porphyritic latite rocks. However, microscopic examination revealed that rocks up to 4 km from the stocks contained secondary potassium feldspar occurring in veinlets, clumps along with pyrite and seams cutting plagioclase crystals (Nelson, 1991). The replacement in rocks distal to the deposit suggests that the “latitic” rocks occurring around and within the deposit are more likely potassically altered andesite (Nelson, 1991).

Alteration assemblages at Mt. Milligan are either potassic or propylitic, with propylitic alteration locally overprinting the potassic assemblage (DeLong et al., 1991; Jago and Tosdal, 2009); Gold and copper mineralization is concentrated in zones of potassic alteration (DeLong et al., 1991).

Zones of potassic alteration occur around the contacts of the monzonite stocks and extend several hundred meters into surrounding fractured andesite. Potassic alteration also occurs within the monzonite intrusions themselves. The alteration assemblage includes potassium feldspar, hydrothermal biotite and magnetite, with biotite most abundant close to and along brecciated margins of the stocks (DeLong et al., 1991; Jago and Tosdal, 2009). Biotite forms up to 30% of wall rocks near intrusive contacts, typically showing pervasive replacement of andesite protoliths but also occurring as envelopes to potassium feldspar veinlets (DeLong et al., 1991). Chalcopyrite, bornite and secondary magnetite are strongly associated with the potassic alteration assemblage.

The propylitic alteration assemblage is widespread and peripheral to the potassic alteration shell and consists of epidote with variable abundances of calcite, chlorite, albite and pyrite (DeLong et al., 1991; Jago and Tosdal, 2009). Epidote is the most common propylitic mineral and is associated with pyrite blebs and disseminations. It also forms envelopes around pyrite-calcite veinlets, replaces pyroxene and forms aggregates in the groundmass (DeLong et al., 1991). Albite and calcite are generally also present in the groundmass whereas pyrite is widespread (DeLong et al., 1991).

The propylitic and potassic alteration zones locally overlap as they are contemporaneous and form part of the same hydrothermal system. Within parts of the MBX deposit, an inner propylitic alteration shell overprints part of the potassic assemblage (Jago and Tosdal, 2009). Propylitic alteration also cross-cuts earlier alteration assemblages along permeable horizons and could have formed as part of a retrograde event during the collapse of the hydrothermal system (DeLong et al., 1991; Jago and Tosdal, 2009).

Noted in Nelson and Bellefontaine (1996), but absent from more recent regional geology maps (Massey et al., 2005; Struick et al., 2007), is a thin strip of Witch Lake Formation rocks, comprised of epiclastic sediments (sandstone, siltstone) with minor amygdaloidal trachyte and dacite flows mapped south of the MBX and Southern Star deposits, extending to the north adjacent to the eastern edge of Heidi Lake, which continues north and west of Mitzi Lake, where it is truncated by the regional north-northwest striking Nelson Fault (Figure 4).

8.2 Property Structure

Intrusions on the property are likely structurally controlled and coeval with the demise of the long-lived subduction zone between Quesnellia and the Cache Creek Terrane when Quesnellia was emplaced eastward onto the westward edge of Ancestral North America (Nelson and Bellefontaine, 1996). Major faults in Quesnellia are dextral transcurrent faults that include the Manson-McLeod Fault system, the Finlay-Ingenika system and the Pinchi Fault (Figure 3). A northeasterly striking second order network of transcurrent and normal faults divides Quesnellia into structural blocks (Nelson and Bellefontaine, 1996).

Ductile fabrics in the intrusive phases present on Mount Milligan record the accretion of Quesnellia. Wallrocks and numerous pendants include strongly foliated amphibolites and augite gneisses as well as contact hornfelses. The transition from plutonic and high-grade metamorphic core of the complex into low-grade metamorphic Witch Lake rocks occurs variously across both contact metamorphic zones and strain gradients. South of the main Mount Milligan peak, amphibolites are proximal (~300 m) to texturally unaffected augite porphyritic rocks. The intrusive phases display sporadic schistosity, though felsic apophyses are post-kinematic, suggesting the granites were emplaced during the waning stages of penetrative deformation in the wall rocks, whereas ductile fabrics resulted from crustal shortening accompanied locally by plutonic heating (Nelson and Bellefontaine, 1996).

West of Mount Milligan peak, the Mount Milligan intrusive suite is faulted in contact with slightly metamorphosed Takla Group rocks. Striking parallel to this fault zone are strongly deformed, steep northwest striking foliations in quartz-plagioclase-biotite rhyodacite porphyry dikes. Thin sections indicate dextral strike-slip motion with poorly developed C-S structures. These plastically deformed rocks show later, post-uplift brittle deformation where in contact with foliated green clay gouge. A U-Pb titanite age of 169.3 ± 5 Ma for the dikes suggests this fault was in existence by Middle Jurassic, but underwent subsequent dextral motion (Nelson and Bellefontaine, 1996).

Faulting occurs throughout the Mt. Milligan deposit and the surrounding host rocks. A steep northwest trending east dipping fault separates the MBX stock from the SS stock (Mills et al., 2009). The regional Great Eastern Fault, a broad zone of milling and brittle shear zones seen only in drill core (Nelson and Bellefontaine, 1996), truncates mineralization to the east and juxtaposes Takla Group volcanic rocks against a wedge of early Tertiary rocks (Mills et al., 2009). East-northeast trending cross faults represent the latest faulting episode of the area. Regionally, several northwest trending faults occur on the Property which include the Limestone Creek Fault and Philip Lakes Fault. Several elongated lakes occur within the field area and are also oriented northwest, thereby following the regional fault pattern. This orientation is interpreted to reflect the underlying structural grain of the region.

Rocks within and surrounding the Mt. Milligan deposit generally trend north-northwest, dipping moderately to steeply to the east (Mills et al., 2009). North of the deposits, strata dips steeply to the west. In the southeastern portion of the deposit, the stratigraphy trends northerly to north-easterly (Mills et al., 2009). Graded bedding and cross-bedding in tuffaceous rocks indicate that the stratigraphy faces east.

The north-northwest striking regional Nelson Fault cuts through the Northwest Claim Group and the Snell Target Area. North of the Nation River, the Nelson Fault cuts through Witch Lake Formation rocks, whereas south of the Nation River, the fault hosts a sliver of the Early to Middle Jurassic Mount Milligan intrusive suite rocks with Witch Lake Formation volcaniclastic rocks bounded to the west. West of Mitzi Lake, the Nelson Fault terminates a package of northwesterly striking Witch Lake Formation epiclastic sedimentary rocks (Nelson and Bellefontaine, 1996).

9.0 DRILLING

A five hole diamond drilling program, totalling 1786.43 m, was completed on the Property in fall 2015 (Figure 4). The drilling was intended to test coincident geophysical and geochemical anomalies in the North Grid area outlined during previous exploration work between 2008 and 2010 (Figure 5; Heberlein, 2010; Mills et al., 2009). The first three holes (15-1020 to 1022) tested the broadly north-south trending Snell Target Area, which comprises coincident strong chargeability, moderate to high magnetic and a Au-As-Sb-Cd-Mo-Pb-Zn geochemical anomaly (Figure 5). Historical drilling in the Snell area (SD90-06 to -08) did not encounter significant mineralization, however the holes were relatively shallow (hole lengths between 45-188 m) and so the 2015 Snell holes were designed to test significantly deeper. At the previously untested Mitzi target, one hole was completed (15-1024) and one was abandoned (15-1023). The Mitzi holes were drilled to target the magnetic anomaly and surrounding strong chargeability beneath Mitzi Lake, however the holes were not ideally located to properly test the target due to access and disturbance concerns. The Snell holes did not return any significant mineralization and while the Mitzi hole encountered minor copper mineralization and associated alteration, the hole did not intersect any significant intervals of mineralization. Complete drill logs are located in Appendix C and assay certificates are located in Appendix D. Drillhole locations are shown in Figure 4; drillhole cross sections can be found in Figures 6 through 9.

Table 3: 2015 Mt. Milligan drillhole summary

Hole	Target area	UTM_E*	UTM_N*	Start Date	Finish Date	Total Depth (m)	Azimuth (°)	Dip (°)
15-1020	Snell	430250	6111650	Oct. 10,2015	Oct. 16,2015	398.37	000	-90
15-1021	Snell	430394	6112298	Oct. 17, 2015	Oct. 21, 2015	401.42	000	-90
15-1022	Snell	430094	6112447	Oct. 22, 2015	Oct. 27, 2015	398.37	000	-90
15-1023	Mitzi	431079	6111810	Oct. 28, 2015	Oct. 28, 2015	41.15	060	-45
15-1024	Mitzi	431079	6111810	Oct. 28, 2015	Nov. 7, 2015	547.12	060	-65
					Total m	1786.43		

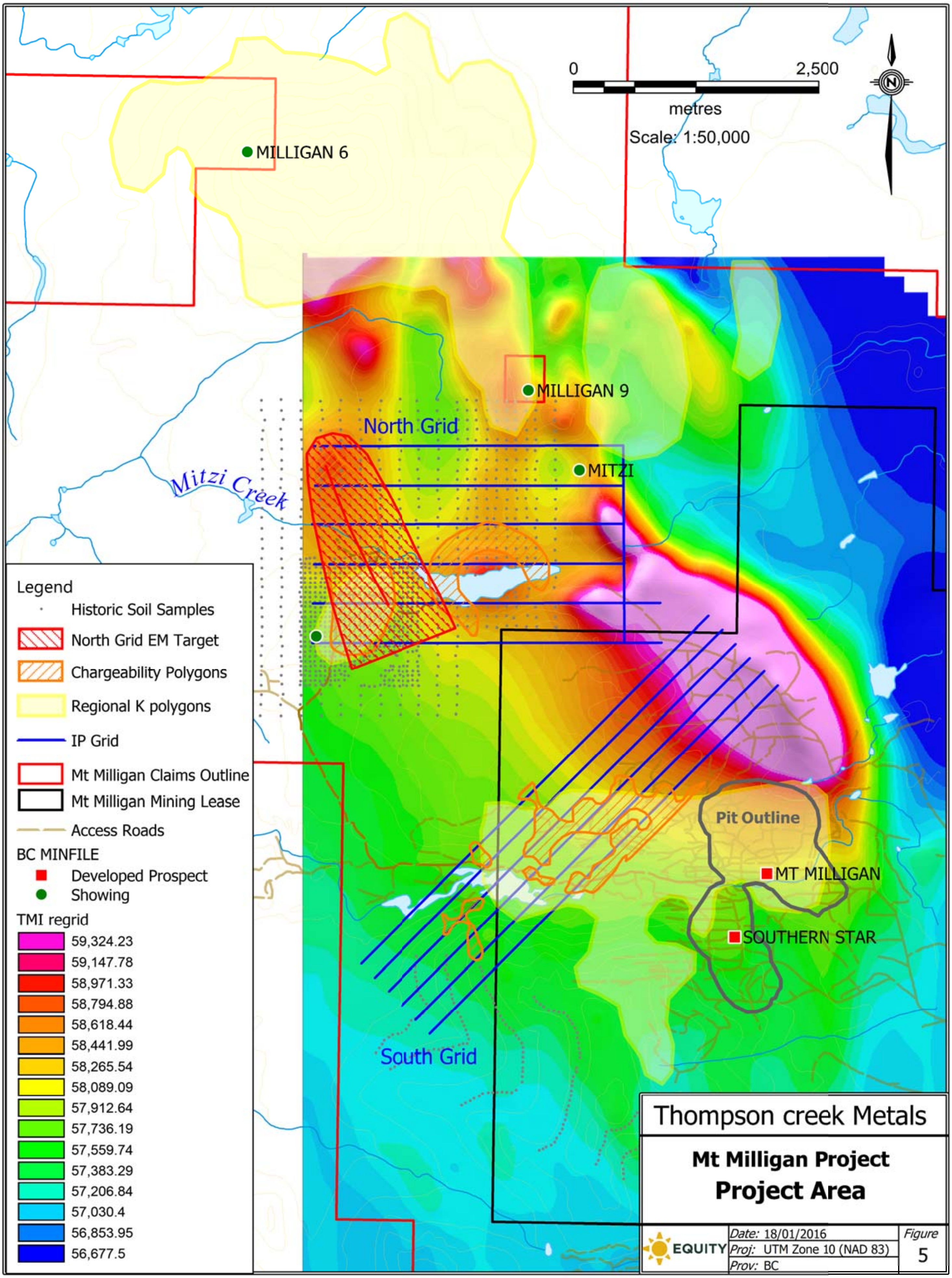
***Zone 10

9.1 Snell Target Area

Three holes, 15-1020 to -1022, were drilled in the Snell Target Area over an 850 m by 350 m area west of Mitzi Lake. The holes tested coincident strong IP chargeability, moderate to high magnetics conductivity highs, regional K radiometric anomaly and anomalous multi-element geochemistry.

Table 4: 2015 Composites of note, 2015 fall drill program

Target Area	Hole	From (m)	To (m)	Drill Width (m)	Cu (%)	Au (g/t)	Ag (g/t)	Mo (%)	Zn (%)
Snell	15-1021	13.46	16.00	2.54	0.0067	0.0001	0.176	0.004	0.009
Snell	15-1022	95.64	97.44	1.80	0.0032	0.1544	0.048	<0.001	0.005
Mitzi	15-1024	536.83	546.35	9.52	0.0301	0.0002	0.202	<0.001	0.007
	Including	536.83	538.00	1.17	0.0542	0.0017	0.374	<0.001	0.008



0
2,500
metres
Scale: 1:50,000
N
MILLIGAN 6
MILLIGAN 9
North Grid
MITZI
Mitzi Creek
Pit Outline
MT MILLIGAN
SOUTHERN STAR
South Grid
Legend
Historic Soil Samples
North Grid EM Target
Chargeability Polygons
Regional K polygons
IP Grid
Mt Milligan Claims Outline
Mt Milligan Mining Lease
Access Roads
BC MINFILE
Developed Prospect
Showing
TMI regrid
59,324.23
59,147.78
58,971.33
58,794.88
58,618.44
58,441.99
58,265.54
58,089.09
57,912.64
57,736.19
57,559.74
57,383.29
57,206.84
57,030.4
56,853.95
56,677.5
Thompson creek Metals
Mt Milligan Project
Project Area
EQUITY
Date: 18/01/2016
Proj: UTM Zone 10 (NAD 83)
Prov: BC
Figure
5

15-1020

This hole was designed to test the southern part of the Snell chargeability anomaly, which is here also coincident with high conductivity, a regional K radiometric anomaly and an As-Au-Mn-Mo-Pb-Tl-Zn soil geochemical anomaly (Figures 5 and 6).

Drilling collared into graphitic argillite at 3.7 m depth, which is interleaved with lithic and lapilli tuff to a depth of 130 m. From 130-302 m depth, rocks consist of pyroxene-phyric andesite flows with ~10% monzodiorite and monzonite intrusions. From 302-372 m, core consists mostly of monzodiorite (76%) and 24% andesite flows and tuff. Andesitic tuff is the predominant lithology in the bottom 22 m of the hole.

Pyrite abundances in the upper 130 m of the hole average ~1% and range from trace amounts to 7% pyrite over 3.6 m of core length. Pyrite occurs within graphitic argillite beds and within pyrite ± calcite veins. From 130-398 m depth, pyrite contents are uniformly <1%. The only other sulphide found is pyrrhotite, which occurs only in trace amounts. No copper-bearing sulphides were seen.

Calcite and clay alteration are widespread, with calcite alteration overprinting all units and clay occurring with brittle fracture zones. Epidote + sericite ± chlorite alteration occurs in ~20% of the drill core, mostly within the pyroxene phyric andesite flow unit between 130-302 m depth.

This hole is notable for its extensive brittle fault structures, with particularly strong faulting between 25-50 m, 200-225 m and 300-350 m core depth. Competent core intervals within the lowest of these three fault zones shows penetrative deformation fabric that likely formed under more ductile strain conditions, suggesting more than one episode of deformation on this particular structure.

Assay results were negligible with the highest single assay values for the elements of interest returning just 0.09 g/t Au, 0.02% Cu and 0.003% Mo. Argillitic rocks contain significantly higher abundances in Ag, As, Cd, Hg, Mo, Re, Se, Te and Zn, and are also elevated in Pb, S, Sb and Tl. Andesitic flows and tuffs, on the other hand, show enrichment in elements that typically occur with pyroxene and spinel minerals (i.e. Co, Cr, Cu, Mg, Sc, Ti, V) whereas the monzodiorite and monzonite are enriched in high field strength elements (i.e. Ce, La, Nb, Th, U).

The interleaved argillite and tuff unit in the upper 130 m of this drill hole is likely chargeable and conductive, possibly explaining the geophysical anomaly. As well, the geochemistry of argillitic rocks can, in part, explain the As-Au-Mn-Mo-Pb-Tl-Zn soil anomaly in this area, likely accounting for enrichment in As-Mo-Zn and arguably Pb-Tl as well. This leaves only the Au-Mn part of the anomaly as unaccounted for.

15-1021

This hole was designed to test the southern part of the Snell chargeability anomaly, which is here also coincident with high conductivity, a regional radiometric K anomaly and an As-Au-Mn-Mo-Pb-Tl-Zn geochemical anomaly (Figures 5 and 7).

Drilling collared into graphitic argillite at 11.0 m depth, which is interleaved with lithic and lapilli tuff to a depth of 139 m. From 139-214 m depth, rocks consist of interleaved monzonite (42%) and pyroxene-phyric andesite flows (58%). The remainder of the hole comprises a long stretch of andesite flows with minor monzodiorite, from 214-372 m, with lesser amounts of monzodiorite and monzonite (22%), followed by mostly monzodiorite from 372 to the EOH at 401 m depth. Two vein breccia units, oriented at just 10°-15° to core axis, occur between 339-342 m and 378-387 m.

Pyrite abundances in the upper 133 m of the hole average ~1% and range from trace amounts to 7% pyrite over 0.3 m of core length. Pyrite occurs within graphitic argillite beds and within pyrite ± calcite veins. From 133 to the end hole at 401 m depth, pyrite contents are mostly <0.5%. Exceptions include the upper parts of two monzonite intervals between 194.9-195.5 m and 204.6-205.0 m core depth, which host 1-2% pyrite. The core of the deeper vein breccia unit hosts 1% pyrrhotite. No copper-bearing sulphides were seen.

Pyroxene-phyric andesite flows show relatively strong chlorite + sericite alteration, to the point where many of the pyroxene phenocrysts are totally replaced with chlorite. There are also short intervals of more intense epidote + sericite +/- silica alteration, usually in association with calcite + quartz +/- pyrite veins. The breccia units are associated with pervasive silicification and sericitic alteration, as well as calcite + quartz veins.

Structural highlights include the two vein breccia zones at 339-342 m and 378-387 m depth, which also show strong penetrative deformation fabric, suggesting they were zones of both high fluid flow and ductile deformation. Assays from these breccia intervals returned slightly higher than average Au (2.8 and 6.3 ppb for each zone respectively) along with elevated As, Ca, Mn and Sr. Brittle fracturing is notably less abundant in this hole compared to 15-1020, with peak concentrations between 225-250m and around 350 m depth.

Assay results were again negligible, with the highest single assay values for the elements of interest returning just 0.02 g/t Au, 0.03% Cu and 0.004% Mo. Argillitic rocks are notably enriched in Ag, As, Ca, Cd, Mo, Pb, Re, Se, Te, Tl, W and Zn, which is broadly similar to the previous hole. In addition, argillite and interleaved andesitic tuff are both enriched in Sb and S. Andesitic flows and tuffs, on the other hand, show enrichment in elements that typically occur with pyroxene and spinel minerals (i.e. Co, Cu, Fe, Mg, Sc, V) whereas the granitoid rocks are enriched in high field strength elements (i.e. Ce, La, Nb, Th, U). An interval logged as “latite” contains anomalously high Cs, Ga, Ge, K and Ti, in addition to showing high values for Co, Mg, Sc and V. So this “latite” could be potassically-altered andesite as suggested by (Nelson, 1991).

The interleaved argillite and tuff unit in the upper 133 m of this drill hole is likely chargeable and conductive, possibly explaining the chargeability anomaly, whereas the geochemical characteristics of the argillite accounts for at least part of the As-Au-Mn-Mo-Pb-Tl-Zn with the exception of Au-Mn. Monzonite shows high magnetic susceptibility (up to 42 SI units) and could account for the coincident magnetic anomaly.

15-1022

This hole was designed to test the coincident Snell magnetic anomaly, strong IP chargeability and conductivity high (Figure 5 and 8). Drilling collared into brecciated andesite from 16.8 m depth, with pebble to cobble-sized clasts of andesite to monzonite set in a weakly-altered fine-grained matrix. Brecciation continues to 56.7 m with the rest of the hole, to 398 m depth, consisting of pyroxene-phyric andesite flows (71%) cut by feldspar-porphyritic monzonite dykes (29%) that are typically 2-10 m wide A hornblende monzonite unit occurs from 228.4 m to 291.1 m depth and is overprinted by abundant faulting and clay alteration.

Alteration in the pyroxene-phyric andesite flows consists mostly of sericite ± calcite with localized narrow bands (5-30 cm) of epidote. These alteration assemblages mostly overprint the groundmass but not pyroxene phenocrysts. Chlorite is found towards the bottom of the hole along fractures and as an alteration product of pyroxene. Strong albite alteration from 287-296 m bleaches the host monzonite and is associated with an increased abundance of disseminated pyrite. Biotite alteration occurs in monzonite between 228 m to 291 m depth and is overprinted by sericite alteration.

Most of the hole is broken and rubbly as a result of brittle faulting, particularly the monzonite between 228-291 m. Towards the bottom of the hole, from 375 m to 398 m, there is a distinct weak shear texture to the andesite that is associated with increased chlorite alteration, which is interpreted to be the footwall below the regional Nelson Fault.

The source of the chargeability high in this part of the Snell Area is not readily apparent in this hole, as it was in drillholes 15-1020 and 15-1021. Monzonite dykes at the top of the hole have elevated magnetic susceptibility and could account for the coincident magnetic anomaly. The brecciation at the top of the hole and the abundant faulting from 228 m to 291 m and may represent part of the Nelson Fault wedge between Witch Lake Formation rocks and Mount Milligan intrusive suite rocks mapped to the northwest of the collar location.

Assay results were again negligible, with the highest single assay values for the elements of interest returning just 0.154 g/t Au, 0.03% Cu and 0.001% Mo. The ‘high’ Au value corresponds to a monzonite porphyry dike intersected between 95-97 m, but this interval is low in Cu and Mo. Andesitic flows and tuffs are relatively elevated in Cs, Hg and Pd, whereas one interval of argillite returned relatively elevated Ag, Al, As, Ba, Cs, Ga, Ge, K, Mg, S, Sb, Sc, and Y values. Latite and trachytic rocks are elevated in B, Bi, Ca and

Re while monzonite rocks are relatively elevated in Au, Bi, Ce, Hg, La, Nb, Pb, Sr, Th, U and depleted in Co, Cr, Cu, Mg, Ni and V, likely due to the felsic character of the rocks.

9.2 Mitzi Target Area

Two holes, 15-1023 and 15-1024, were drilled in the Mitzi Target Area, though only one hole was planned. Hole 15-1023 failed to reach bedrock, so hole 15-1024 was drilled at a steeper angle from the same drill pad. The Mitzi Target Area is defined by a coincident magnetic high and strong IP chargeability beneath Mitzi Lake with anomalous soil geochemistry (As-Co-Cu-Mn-Tl-Zn) on the north and south shores of the lake. The rocks intersected in hole 15-1024 consist mostly of andesitic units that include lapilli tuff, tuff and undifferentiated flows. Monzodiorite dykes also occur throughout the hole and are especially abundant between 137-161 m.

15-1023

This hole was designed to target the centre of the Mitzi chargeability high and intersect the flank of the magnetic anomaly under Mitzi Lake, however the hole was abandoned after the pin on a casing rod snapped as the rods were being pulled out, leaving five casing rods still in the hole. The hole did not reach bedrock and remained in overburden (Figure 9).

15-1024

The aim of this hole was to intersect the margin of the magnetic high and the centre of the chargeability high on Line +1800. After 15-1023 failed to reach bedrock and had to be abandoned, a steeper drill angle was employed that would still test the margins of the geophysical anomalies (Figures 5 and 9).

Drilling collared into bedrock at 65 m depth, intersecting monzodiorite to 85 m. Andesite tuff and lapilli tuff dominate from 85-137 m, below which narrow (2.5-6 m wide) monzodiorite dikes cut the andesite tuff to 161 m depth. From 161-315 m, andesite tuff again dominates with minor monzodiorite, argillite and trachyte intersected. Pyroxene-phyric andesite flows with epidote ± calcite ± chlorite alteration were intersected and dominate from 315-495 m, with minor monzodiorite and andesite tuff also intersected. From 495-510 m, andesite tuff and undifferentiated andesite are intersected, whereas monzodiorite cuts pyroxene-phyric andesite flow between 510-547 m (EOH).

Two competent faults zones with fault breccias were intersected between 134-139 m and 153-161 m. Most of the hole is competent; however from 534-547 m the hole is very broken and blocky, likely representing a fault zone.

Mineralization is sparse through most of the hole with the most noteworthy occurrences comprising localized pyrrhotite+/-chalcopyrite concentrations hosted in calcite veinlets and associated with albite alteration. Between 85-101 m, fine to medium-grained monzonite locally hosts pyrrhotite ± chalcopyrite in calcite veinlets in association with albite alteration that overprints primary biotite alteration. From 161-169 m, fine to medium-grained monzonite cuts thinly bedded graphitic argillite that hosts up to 2% pyrrhotite along bedding planes and 1-2% pyrite along fractures. Immediately below this interval of interfingered argillite-monzonite, at a depth of ~171 m, is an interval of calcite ± quartz veining with a strongly albite-altered halo that hosts 0.5-1% pyrrhotite and up to 0.1% chalcopyrite. Additional mineralization extends from 171-191 m, comprising 0.1-0.3% pyrrhotite ± trace chalcopyrite associated with albite alteration and veining. From 533-547 m, disseminated pyrite-pyrrhotite is hosted within strongly sericite-altered feldspar phenocrysts and corresponds with the elevated Cu values up to 0.0542 %.

Primary biotite alteration is mostly overprinted by pervasive to vein-related albite-sericite assemblage, particularly in monzodiorite units. Secondary epidote ± sericite ± chlorite is most abundant within the pyroxene-phyric andesite flow units from 315-510 m. Localized potassium feldspar alteration was noted along one fracture between 525-527 m. Strong sericite-quartz-pyrite-albite alteration occurs from 533-547 m and suggests that the alteration assemblage changes from predominantly propylitic to phyllic as the hole approached the Mitzi magnetic anomaly.

As mentioned above, there are elevated Cu values at the bottom of the hole, however results for Au and Mo are again negligible with highs of 0.114 g/t Au and 0.001 % Mo. Argillitic rocks are elevated in Ag, Bi, Cd, Pb. Re, S, Sc, Se and Zn and depleted in Hg and Sr, whereas andesite flows and tuffs are elevated in Au, Cu and Rb but are depleted in Hg, Mn and Y. Latitic and trachytic rocks are only elevated in As and Ba, while monzonite and monzodiorite rocks are relatively elevated in As, Ce, La, Nb, Pb, Sn, Th, U and Zr but depleted in Ba, Co, Cr, Cu, K, Li, Mg, Mo, Ni and V.

10.0 DISCUSSION

Results from the 2015 drilling program explain the coincident geophysical anomalies in the Snell Target Area and also identified a possible vector towards mineralization at the Mitzi Target. Despite the lack of significant mineralization and low assay results from the 2015 fall drill program, a number of positives can be taken away from the drill program that can increase the likelihood of success for future exploration in the area:

- Multi-element geochemical anomalies tested in the Snell Target Area do not appear to be directly related to intrusions, but rather appear related to epiclastic argillaceous rocks.
- Background copper values are approximately 120-175 ppm in andesitic units and significantly lower (10-20 ppm) in monzonitic units (Figures 6-9).
- The high chargeability of the Snell Target is most likely related to epiclastic argillaceous rocks encountered at the top of drillholes 15-1020 and -1021. However, these rocks were not encountered in drillhole 15-1022 even though the chargeability high extends across the collar location.
- Andesitic and monzodioritic rocks within the Mitzi Anomaly appear to transition from an epidote-chlorite-carbonate assemblage to a quartz-sericite-pyrite-albite assemblage in drilling towards the centre of the anomaly, consistent with an inward-directed transition from propylitic to phyllic alteration that is inherent to many porphyry systems.
- Phyllic alteration near the bottom of hole 15-1024 is associated with increased copper values (up to 0.05 % Cu).
- Gained experience with accessing the Mitzi Lake area will aid planning future field programs.

The flat-lying and shallow chargeability high in the southern Snell area corresponds well to the graphitic argillite intersected in holes 15-1020 and -1021. Additionally, the geochemical anomalies associated with the Snell Target Area holes can largely be explained by elevated trace element geochemistry of the argillitic rocks, as observed in log probability plots created with ioGas software (Appendix E). Additionally, re-discovery of a map (Nelson and Bellefontaine, 1996) during the writing of this report notes a narrow (300-800 m wide) swath of Witch Lake Formation epiclastic sedimentary rocks (sandstone, siltstone) with minor amygdaloidal trachyte and dacite flows cutting across the Snell Target Area, which appears to correspond to the argillitic rocks logged during the 2015 fall drill program (Figure 4).

Log probability plots of the main economic, pathfinder and major elements separated into the major lithological units logged during the course of the 2015 Mt. Milligan drill program are found in Appendix E. From the plots, it is apparent that argillitic rocks (ARGC) are always elevated compared to intrusive and extrusive rocks in Ag, As, Ca, Cd, Mo, S, Sb, Tl and Zn. This enrichment helps to explain the anomalous soil geochemistry that was targeted with holes 15-1020 and 1021, both of which contain ~50% argillite in the upper ~130 m. Andesite (ANTF and APFW) contains notably higher background values of Cu (120-175 ppm) relative to intrusive rocks (HMZP, MNDR and MZPP; 10-25 ppm), whereas hornblende monzonite porphyry (HMZP) rocks are relatively elevated in Au and Bi. Summary statistics of Au and Cu separated by major lithologies (Table 5) reiterate the elevated Cu values in the andesitic rocks and the relative depletion of Cu for intrusive rocks seen in the log probability plots.

Although the relatively shallow chargeability anomaly tested in the Snell holes can be explained by the graphitic argillite unit, the deeper, more bulbous chargeability high coinciding with increased magnetic intensity north of Mitzi Creek has not been tested and remains a potential drill target. Furthermore, two very highly anomalous Cu-in-soil values at the northern margin of this same magnetic anomaly obtained during the 2009-2010 exploration programs remain untested. Additional mapping and geochemical sampling north of Mitzi Creek is warranted to identify the source of the northern Snell chargeability target.

Table 5: Summary Statistics from 2015 Mt. Milligan Drill Program by Major Lithologies

	Andesite Tuff (ANTF)		Andesite Porphyry Flow (APFW)		Argillite (ARGC)		Monzonite (MNZN)		Monzodiorite (MNDR)		Monzonite Porphyry (MZPP)	
	Au (ppb)	Cu (ppm)	Au (ppb)	Cu (ppm)	Au (ppb)	Cu (ppm)	Au (ppb)	Cu (ppm)	Au (ppb)	Cu (ppm)	Au (ppb)	Cu (ppm)
Count	159	159	410	410	72	72	32	32	102	102	43	43
Minimum	0.1	4.2	0.1	7.0	0.1	47.9	0.3	2.6	0.1	0.7	0.1	5.5
Maximum	114.4	250.7	89.1	542.2	10.5	184.8	52.9	65.4	43.5	149.6	154.4	134.7
Mean	4.7	132.4	2.6	163.7	0.5	89.6	9.2	11.9	3.2	16.6	5.5	41.7
Median	1.3	123.6	1.8	165.6	0.1	70.1	4.6	7.9	1.2	8.6	1.2	31.0
75th percentile	3.5	200.5	3.0	175.8	0.2	113.9	12.2	12.4	3.7	15.1	2.4	44.9
80th percentile	4.1	206.1	3.4	177.8	0.3	135.1	13.7	13.1	4.1	17.6	2.6	63.1
90th percentile	9.3	214.0	4.5	185.7	1.0	147.1	21.1	18.1	8.7	26.0	6.1	85.3
95th percentile	13.9	225.2	6.1	192.8	1.6	153.7	23.2	18.8	10.8	62.2	11.4	107.5
98th percentile	52.3	243.5	10.0	220.2	3.7	171.6	32.5	47.1	12.7	126.9	13.3	121.1

Drilling at the Mitzi Target encountered the most encouraging alteration and mineralization from the fall drill program, despite low assay values. Of note is the relatively small spike in Cu values (301 ppm Cu over 9.52 m) coinciding with increased phyllic alteration at the bottom of hole 15-1024. This localized increase in Cu and change from propylitic to phyllic alteration is consistent with vectoring towards a mineralized intrusive centre to the northeast and/or at depth. Future drilling at the Mitzi Target should drill the planned holes north and southeast of Mitzi Lake that directly target the magnetic high beneath Mitzi Lake to determine if it is related to porphyry mineralization.

Logistically, one of the main challenges faced during the 2015 program was access to the drilling areas and transport of crews and core to and from the Heidi Lake staging area along the trail from Mitzi Lake. After repeated breakdowns to the range of vehicles employed and the wear and tear on the trail by the use of wheeled vehicles, a heavy duty, reliable tracked vehicle with a two person cab, such as Foremost's Nodwell 110 or Chieftain C, Track Industries' Hydra Trac 40S or Prinoth's Trooper should strongly be considered for future drill programs. Alternatively, helicopter support could be employed for future fieldwork and drilling, which would reduce the amount of disturbance created by new trail construction and would also increase drilling efficiency with quicker crew changes; however the major drawback is the significantly higher cost. Another option is carrying out road access and heli-supported programs in tandem, though this would depend on the requirements of the field program.

11.0 CONCLUSIONS & RECCOMENDATIONS

The 2015 fall drill program consisted of five holes, for 1786.43 m, that tested the more accessible parts of the Snell and Mitzi target areas on the Northwest Claim Group of the Mt. Milligan Property. Results of the program offer a reasonable explanation for the coincident geophysical and geochemical signature of the Snell Target Area and identified a possible vector towards mineralization in the Mitzi Target Area. Geochemical analyses, however, returned no significant assay result. The program was also successful in limiting the amount of new disturbance and opening up the access trail to Mitzi Lake to allow for future exploration to be more easily conducted in the area.

Future work in the area is suggested to include the following:

- Geological mapping in unmapped or under-mapped areas of the Northwest Claim Group, particularly proximal to Mitzi Lake, to allow for better geological inputs (i.e. dip of units, major structures) when planning drillholes.
- Expand the 2009-10 soil grid to include geochemically-untested geophysical anomalies and conduct tightly spaced geochemical sampling (Ah horizon) over areas with existing copper (>200 ppm) and gold anomalies (>25 ppb), such as:
    - Between Mt. Milligan and Mitzi Lake (Mitzi Showing area)
    - Southwest and northeast corners of 2009-10 soil grid
    - Northeast and southeast of eastern end of Mitzi Lake
- Conduct a HeliGEOTEM or similar survey to expand the Northwest Claim Group geophysical survey footprint and fly infill lines over the Mitzi and Snell targets to provide better resolution geophysical data, followed by interpretation of results by an experienced geophysicist with a focus on identifying structures and intrusions.
- Expenditure comparisons should be made between conducting helicopter-supported programs versus road access programs in the Northwest Claim Group to determine which method will provide the best value for any future drilling and fieldwork. Another logistical comparison that should be considered is the establishment of a small camp closer to the field area to improve crew transportation efficiencies.

Respectfully submitted,

Thomas Branson

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Ronald Voordouw

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February 12, 2016

Appendix A: Bibliography

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Appendix B: Statement of Expenditures

STATEMENT OF EXPENDITURES

Mt. Milligan Project

August to September, 2015

PROFESSIONAL FEES AND WAGES:				
Thomas Branson, P. Geo.				
	45.01 days @ $700/day	$ 31,507.00		
Steve Bultitude, Sr. Sampler				
	26.08 days @ $325/day	8,475.00		
Maclean Campbell, Sr. Sampler				
	15.00 days @ $325/day	4,875.00		
Richard Doran-Sherlock, Sr. Sampler				
	15.00 days @ $325/day	4,875.00		
Scott Parker, GIS / Logistics				
	2.00 hours @ $75/hour	150.00		
Michael Pond, P. Geo.				
	6.00 days @ $700/day	4,200.00		
Dave Swanton, P. Geo.				
	0.75 days @ $700/day	525.00		
Ron Voordouw, P. Geo.				
	18.75 days @ $700/day	13,125.00		
Agata Zurek, GIS				
	26.00 hours @ $75/hour	1,950.00		
Clerical				
	19.00 hours @ $35/hour	665.00	$	70,347.00
EQUIPMENT RENTALS:				
Core Saw				
	23.00 days @ $40/day	$ 920.00		
Field Computers				
	100.00 days @ $40/day	4,000.00		
Micromine Software				
	21.00 hours @ $50/hour	1,050.00		5,970.00
EXPENSES:				
Chemical Analyses		$ 28,608.85		
Field Consumables		(1,520.70)		
Materials and Supplies		2,582.48		
Plot Charges		164.94		
Meals		272.75		
Accommodation		15,475.04		
Taxis and Airporters		543.11		
Parking		11.43		
ATV Rental (Non-Equity)		10,846.59		
Truck Rental (Non-Equity)		15,501.01		
Automotive Fuel		1,078.43		
Airfare		4,907.66		
Telephone Distance Charges		73.83		
Courier		785.50		
Freight		5,325.04		

Bulk Fuel	3,364.05	
Drug Test	715.00	
Satellite Phone Rental (Non-Equity)	1,387.81	
Radio Rental (Non-Equity)	1,131.47	
Downhole Survey Tool Rental (Non-Equity)	4,316.44	
Cat	17,244.16	
Drilling: Mob/Demob	5,508.85	
Drilling: Footage	188,370.00	
Drilling: Materials	12,357.83	
Drilling: Coreboxes	5,395.60	
Surveying	5,591.25	
Engineering	1,048.00	
Report	5,000.00	336,086.42
SUB-TOTAL:		$ 412,403.42
PROJECT SUPERVISION CHARGES:		42,923.24
TOTAL:		**$ 455,326.66**

Appendix C: Drillhole Logs

MINERALS AND ALTERATION TYPES

AC	Actinolite	FP	feldspar	PF	plagioclase
AL	alunite	GA	garnet	PH	phlogopite
AM	amphibole	GE	goethite	PL	pyrolusite
AS	arsenopyrite	GL	galena	PO	pyrrhotite
AU	augite	GR	graphite	PY	pyrite
AZ	azurite	HB	hornblende	QZ	quartz veining
BA	barite	HE	haematite	RE	realgar
BI	biotite	HS	specularite	RN	rhodonite
BO	bornite	HZ	hydrozincite	SB	stibnite
BT	pyrobitumen	IL	illite	SD	siderite
CA	calcite	JA	jarosite	SI	silicification
CB	Fe-carbonate	KF	potassium feldspar	SK	skarn
CC	chalcocite	MC	malachite	SM	smithsonite
CD	chalcedony	MG	magnetite	SP	sphalerite
CL	chlorite	MI	mica	SR	scorodite
CP	chalcopyrite	MN	Mn-oxides	SS	sulphosalts
CU	native copper	MO	molybdenite	ST	smectite
CV	covellite	MR	mariposite/fuchsite	TP	topaz
CY	clay	MS	sericite	TT	tetrahedrite
DC	dickite	MT	marcasite	VG	gold
DS	diaspore	MU	muscovite	ZE	Zeolite
DU	dumortierite	NA	natroalunite	ZN	zunyite
EN	enargite	NE	neotocite		
EP	epidote	PA	pyrargyrite		

ALTERATION INTENSITY

w	weak	s	strong
m	moderate	i	intense

GeoSpark Logger ~ Drill Log

Project: Mt Milligan **Hole Number:** 15-1020

Prospect:	Snell	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ron Voordouw
Grid:	NAD83_Z10	Hole Diameter:		Survey By:	Thomas Branson	Date Logging Start:	12/10/2015
UTM Easting	430250	Core Size:	NQ	Azimuth:	0	Date Logging Complete:	17/10/2015
UTM Northing:	6111650	Casing Pulled?:	Yes	Dip:	-90	Drill Company:	LDS
UTM Elev. (m):	1204	Casing Depth (m):	3.66	Length (m):	398.37	Drill Rig:	Rig1
Local Easting:		Stored?:	Yes	Claims Title		Drill Started:	10/10/2015
Local Northing:		Cemented?:	No	Core Storage Loc.:		Drill Completed:	16/10/2015
Local Elev. (m):							

Comments:

This hole was designed to test the southern part of the Snell chargeability anomaly, which is here also coincident with high conductivity, a regional K anomaly and an As-Au-Mn-Mo-Pb-Tl-Zn geochemical anomaly.

Drilling collared into graphitic argillite at 3.7 m depth, which is interleaved with lithic and lapilli tuff to a depth of 130 m. From 130-302 m depth, rocks consist of pyroxene-phyric andesite flows with ~10% monzodiorite and monzonite intrusions. From 302-372 m, core consists of 76% monzodiorite and 24% andesite flows and tuff. Andesitic tuff is the predominant lithology in the bottom 22 m of the hole.

Pyrite abundances in the upper 130 m of the hole average ~1% and range from trace amounts to 7% pyrite over 3.6 m of core length. Pyrite occurs within graphitic argillite beds and within pyrite ± calcite veins. From 130-398 m depth, pyrite contents are uniformly <1%. The only other sulphide found is pyrrhotite, which occurs only in trace amounts. No copper-bearing sulphides were seen.

Calcite and clay alteration are widespread, with calcite alteration overprinting all units and clay occurring with brittle fracture zones. Epidote + sericite ± chlorite alteration occurs in ~20% of the drill core, mostly within the pyroxene phyric andesite flow unit between 130-302 m depth.

This hole is notable for its extensive brittle fault structures, with particularly strong faulting between 25-50 m, 200-225 m and 300-350 m core depth. Competent core intervals within the lowest of these three fault zones shows penetrative deformation fabric that likely formed under more ductile strain conditions, suggesting more than one episode of deformation on this particular structure.

The interleaved argillite and tuff unit in the upper 130 m of this drill hole is likely chargeable and conductive, possibly explaining the geophysical anomaly. As well, the argillitic rocks could very well account for part, if not most, of the As-Au-Mn-Mo-Pb-Tl-Zn soil anomaly in this area.

Downhole Surveys:

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-90	0	0	0	Brunton	Ron Voordouw	10/10/2015		✔	
17.37	-89.7	282.6	18.4	301	ReflexEZS	LDS drilling	16/10/2015	5782	✔	Taken on the way out of the hole
57	-88.5	279.4	18.4	297.8	ReflexEZS	LDS drilling	16/10/2015	5757	✔	Taken on the way out of the hole
102.72	-88.4	282.2	18.4	300.6	ReflexEZS	LDS drilling	11/10/2015	5777	✔	
148.44	-88.3	285.6	18.4	304	ReflexEZS	LDS drilling	12/10/2015	5782	✔	
194.16	-88.4	281.5	18.4	299.9	ReflexEZS	LDS drilling	12/10/2015	5757	✔	
239.88	-88.3	307.1	18.4	325.5	ReflexEZS	LDS drilling	13/10/2015	5772	✔	
285.6	-88.3	295.3	18.4	313.7	ReflexEZS	LDS drilling	14/10/2015	5786	✔	
331.32	-88.1	283.4	18.4	301.8	ReflexEZS	LDS drilling	15/10/2015	5775	✔	

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
398.37	-87.9	275	18.4	293.4	ReflexEZS	LDS drilling	16/10/2015	5782	✔	

From (m) | To (m) | Rocktype & Description

0.00 3.66 CASE Casing/Overburden

3.66 7.80 ARGC Calcareous graphitic argillite dark grey FMG

3.66 - 7.8: Finely to coarsely interbedded calcareous and graphitic argillite; both types of layers are carbonate-rich; bed widths range from 01.-10 cm; carbonates argillite beds are grey, fine medium-grained with 5-10% pyrite; graphitic beds are black, fine-grained and contain 1-2% pyrite

<<Min: 3.66 - 4.61 4% pyrite>> Crystals are slightly larger in calcite-rich layers than graphite-rich layers; also in 1 mm thick veinlets of massive pyrite

<<Min: 4.61 - 4.84 7% pyrite>> Especially abundant within calcite-rich argillite layers

<<Min: 4.84 - 5.41 5% pyrite>> Crystals are slightly larger in calcite-rich layers than graphite-rich layers; also in 1 mm thick veinlets of massive pyrite

<<Min: 5.41 - 5.78 6% pyrite>> Concentrated along the edges of calcite-rich layers

<<Min: 5.78 - 7.8 4% pyrite>> Crystals are slightly larger in calcite-rich layers than graphite-rich layers; also in 1 mm thick veinlets of massive pyrite

<<Alt: 3.66 - 27.73 Weak Haematite >> Forms coatings on fracture in the upper part of this hole

<<Struc: 3.66 - 12.01 Moderate Bedded 80 deg. >> Rhythmic alternations of calcite-rich and graphite-rich argillite

7.80 10.40 ARGC Calcareous graphitic argillite black FG

7.8 - 10.4: Predominantly graphitic argillite with 5% calcareous argillite beds ranging from 1-5 mm in width

<<Min: 7.8 - 9.7 2% pyrite>> Very small brown crystal occurring throughout relatively massive graphitic argillite interval

<<Min: 9.7 - 10.4 3% pyrite>> Slight increase in pyrite related to more calcite-rich layers

<<Struc: 7.8 - 7.81 contact 80 deg. >> Gradational change from >50% calcite-rich layers to >50% graphite-rich layers

10.40 12.01 ARGC Calcareous graphitic argillite dark grey FMG

10.4 - 12.01: Finely to coarsely interbedded calcareous and graphitic argillite; both types of layers are carbonate-rich; bed widths range from 01.-10 cm; carbonates argillite beds are grey, fine medium-grained with 5-10% pyrite; graphitic beds are black, fine-grained and contain 1-2% pyrite

<<Min: 10.4 - 12.01 1% pyrite>> Lower abundance related to heavy fracturing?

<<Struc: 10.4 - 10.41 contact 80 deg. >> Gradational change from >50% graphite-rich layers to >50% calcite-rich layers

<<Struc: 10.69 - 11.95 Strong Fractured>> All fragments <5 cm in size, most are 1-2 cm

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
3.66	5.67	2.01	S192001	-0.2	385	61.99	6.14	10.9
5.67	7.80	2.13	S192002	-0.2	329	64.98	4.05	6.3
7.80	9.10	1.30	S192003	-0.2	290	57.39	13.38	1.6
9.10	10.40	1.30	S192004	1	275	61.05	15.55	4.9
10.40	12.01	1.61	S192006	-0.2	204	47.88	5.86	67.9

From (m)	To (m)	Rocktype & Description			
12.01	**17.43**	**ANTF**	**Andesitic tuff**	**grey**	**FG**

12.01 - 17.43: Lithic tuff; aphanitic greenish-grey carbonate-altered matrix with 80% clasts ranging from 0.1-10 cm in size; clasts include dark grey, pinkish grey and light brown volcanic glass (?), pervasively sericitized plagioclase porphyry and pyroxene porphyry

<<Min: 12.01 - 17.43 0.5% pyrite>> Minor to trace amounts through andesite matrix and clasts

<<Alt: 12.01 - 19.03 Weak Sericite>> Also as 2-5 mm clumps; overprints both matrix and clasts

<<Alt: 12.01 - 19.03 Weak Calcite>> Pervasive across both andesite and subvolcanic monzonite units; overprints both matrix and clasts

17.43	**18.14**	**MVHD**	**Monzonite Volcanic Hybrid**	**dark grey**	**FMG**

17.43 - 18.14: Fine-grained dark grey to black matrix with 10% porphyritic feldspar grains ranging from 1-3 mm in size

<<Min: 17.43 - 18.14 1% pyrite>> Slight increase within subvolcanic monzonite unit

<<Struc: 17.43 - 17.44 contact 50 deg. >> Sharp planar contact between ANTF and intrusive MVHD

18.14	**19.03**	**ANTF**	**Andesitic tuff**	**grey**	**FG**

18.14 - 19.03: Lithic tuff; similar to above interval; intruded by MVHD dykelets near the lower contact with argillite, with dykelets locally choked with andesite fragments

<<Min: 18.14 - 18.69 0.5% pyrite>> Minor to trace amounts through andesite matrix and clasts

<<Min: 18.69 - 19.03 1% pyrite>> Slight increase towards bottom of the unit near contact with argillite

<<Struc: 18.14 - 18.15 contact 65 deg. >> Sharp planar contact between ANTF and intrusive MVHD

19.03	**27.73**	**ARGC**	**Calcareous graphitic argillite**	**black**	**FG**

19.03 - 27.73: Predominantly graphitic argillite with 5% calcareous argillite beds ranging from 1-5 mm in width

<<Min: 19.03 - 20 2% pyrite>> Mostly in thin massive pyrite veins; also finely disseminated in the groundmass

<<Min: 20 - 20.3 4% pyrite>> Blebs associated with calcite vein swarm

<<Min: 20.3 - 21.3 3% pyrite>> As lenticular blebs lying parallel to bedding; also thin veins and disseminated

<<Min: 21.3 - 21.75 4% pyrite>> Associated with hairline calcite vein swarm

<<Min: 21.75 - 27.1 2% pyrite>> Scattered blebs and veins to 1 mm in width

<<Min: 27.1 - 28.42 4% pyrite>> Blebs lie parallel to bedding; also as veins cutting across bedding and finely disseminated with bedding as well

<<Vein: 20 - 20.3 10% Carbonate-Sulphide 50 deg. >> White calcite with 10% pyrite; sharp to irregular contacts; angular forms

<<Vein: 21.3 - 21.75 15% Calcite 50 deg. >> Swarm of white to light grey hairline calcite veins; associated with pyrite and hematite

<<Vein: 21.75 - 23.3 2% Calcite 25 deg. >> Scattered white calcite veins; sharp contacts; planar

<<Struc: 19.03 - 20.3 Moderate Fractured>> Fragments average 5 cm in size

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
12.01	13.85	1.84	S192007	1	132	57.37	1.86	19.4
13.85	15.60	1.75	S192008	-0.2	77	60.32	1.7	5.8
15.60	17.43	1.83	S192009	1.9	60	70.98	1.92	9.5
17.43	18.14	0.71	S192011	0.6	76	42.1	0.7	3.7
18.14	19.03	0.89	S192012	0.9	202	93.02	2.04	13.1
19.03	20.42	1.39	S192013	-0.2	274	52.58	22.68	25.5
20.42	21.78	1.36	S192014	-0.2	335	56.98	29.52	11.8
21.78	23.30	1.52	S192015	1.6	299	55.09	27.02	2.5
23.30	25.50	2.20	S192016	-0.2	329	54.37	22.02	4.1
25.50	27.73	2.23	S192017	0.3	296	53.46	9.56	9.4

From (m)	To (m)	Rocktype & Description

<<Struc: 19.03 - 31.6 Moderate Bedded 80 deg. >> Rhythmic alternations of calcite-rich and graphite-rich argillite

<<Struc: 26.45 - 50.8 Moderate Fault zone>> Alternating intervals of massive, fractured and faulted core that likely marks a fault zone

27.73 31.60 ARGC Calcareous graphitic argillite dark grey FMG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
27.73	29.00	1.27	S192018	1.6	273	55.87	4.45	35.3
29.00	30.20	1.20	S192019	-0.2	150	50.99	5.33	8.9
30.20	31.60	1.40	S192020	-0.2	163	61.44	5.7	6.5

27.73 - 31.6: Finely to coarsely interbedded calcareous and graphitic argillite; both types of layers are carbonate-rich; bed widths range from 01.-10 cm; carbonates argillite beds are grey, fine medium-grained with 5-10% pyrite; graphitic beds are black, fine-grained and contain 1-2% pyrite

<<Min: 28.42 - 30.17 3% pyrite>> Blebs lie parallel to bedding; also as veins cutting across bedding and finely disseminated with bedding as well

<<Min: 30.17 - 31.6 5% pyrite>> Massive Py veins up 1 mm thick and in calcite veins

<<Vein: 27.73 - 31 2% Calcite 80 deg. >> Scattered swarms of hairline bedding-parallel calcite veins; lesser amounts of isolated hairline veins and planar veins oriented at lower angle TCA; veins appear to be preferentially developed within ARGG an ARGC

<<Struc: 27.73 - 27.74 contact 80 deg. >> Gradational change from >50% graphite-rich layers to >50% calcite-rich layers

<<Struc: 27.95 - 28.25 Weak fault 40 deg. >> Semi-consolidated clay, sand and gravel sized particles

31.60 33.25 ANTF Andesitic tuff grey FG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
31.60	33.25	1.65	S192021	-0.2	78	54.53	1.53	7

31.6 - 33.25: Lapilli tuff; aphanitic carbonate-altered matrix hosting 75% clasts mostly ranging between 2-4 mm in size; clasts are generally aphanitic (glassy?) and grey, dark grey or brownish grey in colour; this tuff interval differs from surrounding intervals in a paucity of large clasts

<<Min: 31.6 - 33.25 0.5% pyrite>> Mostly on fracture planes also some disseminated

<<Alt: 31.6 - 33.25 Weak Calcite>> Especially abundant in the matrix

33.25 33.65 ARGC Calcareous graphitic argillite dark grey FMG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
33.25	33.65	0.40	S192022	0.4	97	56.64	9.87	44.4

33.25 - 33.65: Finely to coarsely interbedded calcareous and graphitic argillite; both types of layers are carbonate-rich; bed widths range from 01.-10 cm; carbonates argillite beds are grey, fine medium-grained with 5-10% pyrite; graphitic beds are black, fine-grained and contain 1-2% pyrite

<<Min: 33.25 - 33.65 3% pyrite>> Also in calcite veins

<<Vein: 33.25 - 33.65 4% Calcite 40 deg. >> Swarm of white hairline calcite veins developed within short interval of ARGC enveloped by ANTF

<<Struc: 33.25 - 33.26 contact 70 deg. >> Sharp bedding parallel contact between andesitic tuff and argillite; some andesite slumps diapirically down into underlying argillite, suggesting argillite was unconsolidated at time of andesite deposition

<<Struc: 33.25 - 33.65 Moderate Bedded 70 deg. >> Rhythmic alternations of calcite-rich and graphite-rich argillite

From (m)	To (m)	Rocktype & Description			
33.65	**37.53**	**ANTF**	**Andesitic tuff**	**grey**	**FG**

33.65 - 37.53: Lithic tuff; aphanitic greenish-grey carbonate-altered matrix with 80% clasts ranging from 0.1-10 cm in size; clasts include dark grey, pinkish grey and light brown volcanic glass (?), pervasively sericitized plagioclase porphyry and pyroxene porphyry

<<Min: 33.65 - 40.37 0.5% pyrite>> Mostly on fracture planes also some disseminated

<<Alt: 33.65 - 37.53 Weak Sericite>> Possibly more abundant within certain clasts than the matrix

<<Alt: 33.65 - 37.53 Weak Calcite>> Pervasive across both clasts and matrix but easier to see in matrix

37.53	**39.13**	**ARGC**	**Calcareous graphitic argillite**	**dark grey**	**FMG**

37.53 - 39.13: Same as above ARGC units but with pervasive clay alteration through much of this interval; clay is related to faulting

<<Alt: 37.55 - 38.6 Moderate Clay>> Weak to strong in association with brittle fault zone

<<Vein: 37.6 - 41.1 2% Carbonate-Sulphide 50 deg. >> White veins and hairline vein swarms; veins are massive with minor pyrite and sharp irregular contacts; hairline veins form swarms comprising 20% of the rock over 2-5 cm

<<Struc: 37.53 - 37.54 contact 65 deg. >> Sharp bedding parallel contact between tuff and argillite

<<Struc: 37.53 - 39.13 Moderate Bedded 65 deg. >> Rhythmic alternations of calcite-rich and graphite-rich argillite

<<Struc: 37.55 - 38.6 Strong fault>> Possibly at high angle TCA but no reliable planes for measuring

39.13	**42.85**	**ANTF**	**Andesitic tuff**	**grey**	**FG**

39.13 - 42.85: Lapilli tuff; rounded to sub-rounded andesite lapilli within an aphanitic carbonate altered matrix; this unit is gradational with lithic tuff

<<Min: 40.37 - 41.1 1% pyrite>> In 1 mm wide massive pyrite and calcite + pyrite veins

<<Min: 41.1 - 41.61 7% pyrite>> Bedding-parallel wisps and blebs associated with bedding-parallel calcite veins

<<Min: 41.61 - 42.03 2% pyrite>> In 1 mm wide massive pyrite and calcite + pyrite veins

<<Min: 42.03 - 42.85 0.5% pyrite>> Mostly on fracture planes

<<Alt: 39.13 - 41.1 Weak Calcite>> Calcite in the matrix forms poikiolitic-type aggregates around lapilli

<<Alt: 41.1 - 41.61 Moderate Calcite>> In association with calcite veining

<<Alt: 41.61 - 42.85 Weak Calcite>> Calcite in the matrix forms poikiolitic-type aggregates around lapilli

<<Vein: 41.1 - 41.61 10% Calcite 75 deg. >> White to grey calcite; mostly parallel to bedding and with diffuse to sharp contacts; interleaved with host tuff and pyrite blebs; also white calcite veins with sharp contacts cutting across the bedding-parallel veins

<<Struc: 39.13 - 39.14 contact 70 deg. >> Sharp bedding parallel contact between tuff and argillite

42.85	**47.80**	**ARGC**	**Calcareous graphitic argillite**	**dark grey**	**FMG**

42.85 - 47.8: Broadly sub-equal amounts of carbonate and graphite-rich layers; beds range from 0.1-10 cm thick; interval is extensively broken and reduced to clay sized particles within faulted sub-intervals

<<Min: 42.85 - 44.81 4% pyrite>> Mostly thin (<1 mm), randomly oriented massive pyrite veinlets

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
33.65	35.66	2.01	S192023	1.2	79	71.13	2.85	5.3
35.66	37.53	1.87	S192024	-0.2	85	71.27	2.17	9.5
37.53	39.13	1.60	S192026	1.2	93	51.57	2.35	898.5
39.13	40.37	1.24	S192027	0.4	119	50.94	2.1	576.7
40.37	41.65	1.28	S192028	-0.2	171	54.99	3.78	30.4
41.65	42.85	1.20	S192029	1.5	144	53.11	2.6	21
42.85	44.50	1.65	S192030	-0.2	244	61.48	5.41	28.9
44.50	46.20	1.70	S192031	-0.2	232	59.3	9.75	40.4

From (m)	To (m)	Rocktype & Description

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
46.20	47.80	1.60	S192032	-0.2	194	70.01	13.45	56.7

<<Min: 44.81 - 49 2% pyrite>> Heavily fractured and faulted interval so that most pyrite is visible on fracture planes

<<Alt: 44.7 - 46.9 Weak Clay>> Weak to strong in association with brittle fault zone

<<Alt: 47.7 - 50.5 Moderate Clay>> Weak to strong in association with brittle fault zone

<<Vein: 47.35 - 47.8 5% Calcite 10 deg. >> Extension-style vein arrays and blebs of white calcite; veins are discontinuous and generally at low angle TCA, but connected together by blebs at high angle TCA; contacts are sharp and wavy

<<Struc: 42.85 - 42.86 contact 75 deg. >> Sharp bedding parallel contact between tuff and argillite

<<Struc: 42.85 - 47.8 Moderate Bedded 75 deg. >> Rhythmic alternations of calcite-rich and graphite-rich argillite

<<Struc: 43 - 43.4 Weak fault 25 deg. >> Angle TCA is fracture plane on the largest piece of core in this interval

<<Struc: 44.7 - 46.9 Moderate fault 50 deg. >> Clay zone that cuts across bedding

<<Struc: 47.7 - 50.5 Moderate fault 55 deg. >> Angle TCA measured on clay-coated fracture

47.80 49.00 ANTF Andesitic tuff grey FG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
47.80	49.00	1.20	S192033	-0.2	167	55.36	1.89	371.5

47.8 - 49: Lithic tuff interleaved with lesser amounts of graphitic argillite; faulted

49.00 50.50 DRPP Plagioclase porphyritic diorite salt + pepper MG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
49.00	50.50	1.50	S192034	1.4	152	17.73	1.82	822.4

49 - 50.5: Greenish cream plagioclase porphyroclasts set within a fine-medium-grained matrix; lesser abundances of hornblende phenocrysts; matrix likely consists of plagioclase and hornblende; more massive texture and composition distinguishes this intrusive unit from host tuff

<<Alt: 49 - 50.5 Weak Calcite>>

50.50 55.39 ARGC Calcareous graphitic argillite black FG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
50.50	52.20	1.70	S192035	-0.2	318	70.09	2.84	540.2
52.20	53.93	1.73	S192036	-0.2	397	66.82	2.01	41
53.93	55.39	1.46	S192037	-0.2	338	72.5	4.39	6.2

50.5 - 55.39: Predominantly massive black graphitic argillite with thin (1-5 mm) layers of more carbonate-rich material; thick layer of carbonate-rich argillite occurs at the bottom of this interval, immediately above underlying tuff

<<Min: 50.5 - 52.06 2% pyrite>> Subhedral crystals up to 1 mm in size that are most abundant within or near calcite-rich layers

<<Min: 52.06 - 53.85 4% pyrite>> Fine aggregates and subhedral crystals to 1 mm; typically associated with more calcite-rich layers

<<Min: 53.85 - 55.39 2% pyrite>> Mostly as thin randomly oriented veins in argillite

<<Vein: 51.9 - 53.7 5% Calcite 65 deg. >> Bedding parallel white to grey calcite veins; also stockwork of white hairline calcite veins; sharp to gradational contacts; possibly associated with development of calcite-rich layers in argillite?

<<Struc: 50.5 - 50.51 contact 55 deg. >> Fault contact that cuts across bedding

<<Struc: 50.5 - 55.39 Weak Bedded 60 deg. >> Scattered layers of carbonate-rich argillite within mostly graphitic argillite

<<Struc: 52.27 - 52.39 Moderate fault 65 deg. >> Small fault out of the main fault zone that lies sub-parallel to bedding

From (m)	To (m)	Rocktype & Description

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251

55.39 55.82 ANTF Andesitic tuff grey FG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
55.39	55.82	0.43	S192038	0.9	234	54.32	12.13	1.8

55.39 - 55.82: Short interval of tuff within argillite; massive lapilli tuff near the top passing into lithified fault breccia near the bottom

<<Min: 55.39 - 56.2 4% pyrite>> One large bleb (1 x 5 cm) of fine-grained pyrite; also as narrow veins in association with white calcite

<<Alt: 55.39 - 55.82 Weak Calcite>>

<<Alt: 55.6 - 55.82 Moderate Clay>> Forms lithified breccia comprising clasts of tuff and argillite within a clay-dominant matrix

<<Struc: 55.39 - 55.4 contact 40 deg. >> Sharp contact between calcareous argillite and lapilli tuff

<<Struc: 55.6 - 55.85 Moderate fault 40 deg. >> Mostly lithified fault breccia at contact between argillite and tuff

55.82 56.57 ARGC Calcareous graphitic argillite dark grey FMG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
55.82	56.57	0.75	S192039	-0.2	335	78.58	15.26	2.6

55.82 - 56.57: Calcareous graphitic argillite is dominant over graphitic argillite; calcareous beds appear associated with more pyrite; thickest bed is developed immediately above underlying tuff unit

<<Min: 56.2 - 56.57 2% pyrite>> In thin veins +/- white calcite

<<Alt: 55.82 - 71.47 Weak Calcite>>

<<Vein: 55.82 - 56.2 5% Carbonate-Sulphide>> Stockwork of thin white calcite +/- pyrite veins within lithified fault zone; veins show sharp and irregular contacts

56.57 63.09 ANTF Andesitic tuff grey FG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
56.57	58.28	1.71	S192041	2.1	209	64.42	20.04	2.2
58.28	59.95	1.67	S192042	1.3	119	72.74	5.08	0.7
59.95	61.45	1.50	S192043	1.6	57	79.81	0.8	2.1
61.45	63.09	1.64	S192044	3.5	166	73.72	1.96	8.3

56.57 - 63.09: Lithic tuff with minor abundances of lapilli and crystal tuff; lithic tuff is polymictic and ranges from grey to reddish grey in colour, possibly suggesting it is oxidized; crystal tuff consists of lath to rounded plagioclase phenocrysts set in a reddish grey groundmass

<<Min: 56.57 - 58.28 1% pyrite>> In thin veins +/- white calcite

<<Min: 58.28 - 59.13 0.5% pyrite>>

<<Min: 59.13 - 59.91 2% pyrite>> Large aggregate in white calcite vein; also as thin pyrite veins +/- calcite

<<Min: 59.91 - 64.14 0.1% pyrite>>

<<Alt: 60.1 - 63.08 Weak Haematite >> Imparts weakly red colour onto tuff

<<Alt: 63.08 - 64.7 Moderate Sericite>> Imparts greenish-grey colour to plagioclase crystals and groundmass

<<Alt: 63.08 - 64.7 Weak Epidote-Chlorite>> As saussurite intergrown with sericite? Within hairline veins and the groundmass

<<Vein: 59.77 - 59.88 10% Quartz-Carbonate-Sulphide 15 deg. >> Banded white calcite, pyrite and dark grey quartz vein; sharp but somewhat irregular contacts; pinches and swells for true thickness of 2-5 mm

<<Struc: 56.57 - 56.58 contact 65 deg. >> Bedding parallel contact between argillite and tuff

<<Struc: 62.8 - 63.8 Weak fault 20 deg. >> Orientation uncertain; angle TCA measured off clay-coated fracture

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
63.09	**64.57**	**ANTF Andesitic tuff grey FG**	63.09	64.57	1.48	S192046	2.1	67	64.96	1.76	2.7
64.57	**64.87**	**MVHD Monzonite Volcanic Hybrid grey-brown FMG**	64.57	64.87	0.30	S192047	1.1	195	93.02	1.35	5.1
64.87	**67.26**	**ANTF Andesitic tuff grey FG**	64.87	66.00	1.13	S192048	3.2	89	74.98	1.88	1.2
			66.00	67.26	1.26	S192049	-0.2	53	38.2	0.42	0.3
67.26	**70.57**	**ANTF Andesitic tuff grey-green FG**	67.26	68.86	1.60	S192051	-0.2	112	76.8	1.44	10.2
			68.86	70.57	1.71	S192052	1.2	119	83.47	1.93	6.7
70.57	**71.47**	**BREX Breccia dark grey FMG**	70.57	71.47	0.90	S192053	-0.2	169	84.02	2.19	3.2

63.09 64.57 ANTF Andesitic tuff grey FG

63.09 - 64.57: Crystal tuff; lath-shaped to rounded plagioclase grains set in aphanitic reddish to greenish grey matrix; scattered calcite amygdules that typically occur in clusters

<<Min: 64.14 - 64.44 2% pyrite>> Stockwork of cross-cutting thin pyrite +/- calcite veins

<<Min: 64.44 - 66.16 0.1% pyrite>>

<<Vein: 63.25 - 63.28 35% Carbonate-Sulphide 50 deg. >> White calcite veins with pyrite bleb; sharp planar contacts; 1 cm true thickness

64.57 64.87 MVHD Monzonite Volcanic Hybrid grey-brown FMG

64.57 - 64.87: Uncertain of lithology; appears to be sericite altered K-feldspar and plagioclase phenocrysts set in a dark brown matrix of plagioclase, K-feldspar and mafic minerals; sharp contacts with host tuff

<<Struc: 64.57 - 64.58 contact 35 deg. >> Sharp contact between tuff and MVHD dyke

64.87 67.26 ANTF Andesitic tuff grey FG

64.87 - 67.26: Crystal tuff; lath-shaped to rounded plagioclase grains set in aphanitic reddish to greenish grey matrix; scattered calcite amygdules that typically occur in clusters

<<Min: 66.16 - 66.61 2% pyrite>> Large euhedral pyrite crystals on fracture planes

<<Min: 66.61 - 70.9 0.1% pyrite>>

<<Alt: 64.87 - 65.71 Moderate Sericite>> Imparts greenish-grey colour to plagioclase crystals and groundmass

<<Alt: 64.87 - 65.71 Weak Epidote-Chlorite>> As saussurite intergrown with sericite? Within hairline veins and the groundmass

<<Alt: 65.71 - 71.47 Weak Haematite >> Imparts weakly red colour onto tuff

<<Struc: 64.87 - 64.88 contact 65 deg. >> Sharp contact between tuff and MVHD dyke

67.26 70.57 ANTF Andesitic tuff grey-green FG

67.26 - 70.57: Mostly lithic tuff with intermingled crystal tuff towards the bottom of this interval; lithic tuff is similar to previous intervals, comprising sub-rounded to sub-angular polymictic shards set in a calcite-altered matrix; crystal tuff consists of lath-like to rounded plagioclase crystals in an aphanitic matrix

<<Min: 69.65 - 70.9 0.5% pyrrhotite>>

<<Alt: 67.26 - 68 Weak Sericite>> Imparts greenish-grey colour to plagioclase crystals and groundmass

<<Alt: 67.26 - 68 Weak Epidote-Chlorite>> As saussurite intergrown with sericite? Within hairline veins and the groundmass

70.57 71.47 BREX Breccia dark grey FMG

70.57 - 71.47: Polymictic breccia consisting of sub-angular to sub-rounded argillite and andesite tuff clasts within a dark grey to black (chlorite rich) matrix; breccia developed at contact between argillite and andesite flow; matrix also hosts finely disseminated pyrrhotite

<<Min: 70.9 - 71.47 3% pyrite>> Blebs and thin veins of pyrite associated with calcite in breccia fill

From (m)	To (m)	Rocktype & Description

<<Vein: 70.9 - 72.15 3% Calcite 60 deg. >> Mostly CC with lesser CBS; white calcite veins and blebs developed across brecciated andesite-argillite contact; veins in breccia are broken and discontinuous; veins in argillite are more competent; generally sharp contacts; true thickness from 0.5-5 mm

<<Struc: 70.57 - 71.47 Moderate breccia>> Polymictic breccia as described in Main Lithology

71.47 96.56 ARGC Calcareous graphitic argillite grey FG

71.47 - 96.56: Strongly faulted to heavily fractured with short intervals of semi-lithified clay-rich fault breccia; clasts are uniformly graphitic and calcareous graphitic argillite; locally strong clay alteration; argillitic intervals and clasts are similar to the more massive intervals logged in the upper part of this hole

<<Min: 71.47 - 71.84 7% pyrite>> As breccia fill in graphitic argillite; also as thin randomly oriented veins

<<Min: 71.84 - 74.34 2% pyrite>> Mostly as thin randomly oriented veins +/- calcite that cut the argillite host rock

<<Min: 74.34 - 91.54 1% pyrite>> Finely disseminated in the ground mass; also on fracture planes; this interval is strongly faulted and clay altered

<<Min: 91.54 - 99.67 0.1% pyrite>> Trace finely disseminated pyrite within clay altered fault interval

<<Alt: 74.34 - 94 Weak Calcite>> Intergrown with clay; also forms dirty white blebs and broken veins

<<Alt: 74.34 - 97.65 Moderate Clay>> Weak to very strong alteration argillite to clay within extensive fault zone; clay ranges from unconsolidated to weakly lithified; much of the unconsolidated clay was likely washed away; weakly lithified clay forms breccia matrix with clasts of argillite

<<Alt: 94 - 102.6 Moderate Calcite>> Typical weak to moderate pervasive calcite alteration along with relatively high amounts of calcite veining and weak breccia development with calcite comprising a significant component of the matrix

<<Vein: 74.34 - 76.5 10% Calcite>> Chaotic stockwork of dirty white calcite veins; true thickness from 1-10 mm; contacts are relatively sharp but veins are discontinuous

<<Vein: 90 - 94 1% Calcite 50 deg. >> Discontinuous, broken, dirty white hairline, stockwork and regular veins; true thickness from 0.1 to 20 mm; angle TCA measured on broken vein that is 1 cm wide; generally sharp contacts

<<Vein: 94 - 99.96 4% Calcite 10 deg. >> Broken to coherent, dirty white calcite +/- pyrite veins; generally sharp contact that are planar to slightly irregular; vein forms include blebs, hairline, stockwork and banded veins; true thickness from 0.1-10 mm

<<Struc: 71.47 - 96.56 Moderate Bedded 75 deg. >> Rhythmic layering between graphitic-rich and calcite-rich layers; reliable orientation can only be measured in the upper part of this unit; lower 3/4 is strongly faulted and fractured

<<Struc: 74.34 - 97.65 Strong fault 20 deg. >> Angle TCA measured on clay seams within semi-lithified rock; extensive core loss in this interval and very low RQD; abundant clay alteration

<<Struc: 74.34 - 156.68 Moderate Fault zone>> Long interval of broken to faulted core with limited competent intervals

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
71.47	72.27	0.80	S192054	-0.2	297	95.69	4.47	36.3
72.27	72.88	0.61	S192055	-0.2	351	89.76	5.89	2.3
72.88	74.34	1.46	S192056	-0.2	349	89.96	5.16	99.2
74.34	78.33	3.99	S192057	0.3	366	85.11	5.2	429.6
78.33	87.48	9.15	S192058	-0.2	1010	63.14	5.07	16.7
87.48	90.53	3.05	S192059	0.5	163	75.06	3.62	73
90.53	92.48	1.95	S192060	-0.2	118	67.48	2.14	187.9
92.48	94.50	2.02	S192061	0.4	89	58.7	2.61	254.5
94.50	96.56	2.06	S192062	0.6	81	58.24	1.85	27.3

96.56 99.67 ANDS Andesite grey FG

96.56 - 99.67: Relatively massive although strongly faulted and clay altered at the top of the interval; abundant hairline calcite veins and alteration in transition from faulted to unfaulted rock; least altered material consists of lath-like plagioclase +/- rounded pyroxene phenocrysts in a fine-grained groundmass

<<Alt: 97.65 - 106.4 Weak Clay>> Heavily fractured interval with some clay coatings on fracture planes

<<Struc: 97.65 - 106.4 Weak breccia>> Scattered 20-50 cm intervals of moderately to strongly brecciated tuff and diorite; breccia could be related to brittle faulting or is perhaps earlier

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
96.56	98.00	1.44	S192063	0.8	182	77.76	1.36	30.9
98.00	99.67	1.67	S192064	2.1	242	74.24	1.89	1.7

<<Struc: 97.65 - 118.1 Strong Fractured>> Heavily fractured and weakly brecciated interval in between two fault gouge zones

99.67 110.50 ANTF Andesitic tuff grey pink FG

99.67 - 110.5: Alternating intervals of competent, broken and faulted core; competent intervals are generally weakly brecciated with calcite; lithic tuff is similar to previous intervals and includes clasts of crystal tuff; reddish grey colour possibly due to weak hematite alteration?

<<Min: 99.67 - 99.96 1% pyrite>> As blebs within and along the margin of a white to grey calcite vein

<<Min: 99.96 - 111.5 0.1% pyrite>>

<<Alt: 99.96 - 106.4 Weak Haematite >> Also pervasive so that it imparts a weak reddish tint to the rock; greener-grey rock has patches of orangey-red hematite

<<Alt: 102.6 - 107.6 Weak Calcite>> Intergrown with clay; also in scattered hairline veins and as matrix within scattered brecciated intervals

<<Alt: 106.4 - 109.04 Moderate Sericite>> Matrix dominant breccia where matrix consists of clay, calcite and sericite (?)

<<Alt: 106.4 - 109.04 Weak Epidote-Chlorite>> Light greenish-grey colour of intergrown sericite and clay suggests some epidote could also be present

<<Alt: 106.4 - 109.04 Moderate Clay>> Matrix dominant breccia where matrix consists of clay, calcite and sericite (?)

<<Alt: 109.04 - 110.5 Weak Haematite >> Very weak reddish tint, typically disappears in the short intervals of clay-rich breccia

<<Alt: 109.04 - 112.3 Weak Clay>> Mostly as fracture coatings in heavily fractured interval

<<Alt: 109.04 - 112.3 Weak Calcite>>

<<Vein: 99.96 - 106.4 1% Calcite 20 deg. >> Continuous to broken dirty white hairline calcite veins; sharp contacts; true thickness typically <1 mm; veins typically at low angle TCA but high angle veins also occur

<<Vein: 106.4 - 109.04 3% Calcite 10 deg. >> Broken to competent white calcite veins; associated with increase in brecciated texture as well as clay + sericite + epidote alteration; forms blebs, hairline veins and regular veins; true thickness from 1-10 mm

<<Struc: 106.4 - 109.04 Strong breccia 30 deg. >> Angle TCA measured off several large clasts within this matrix dominated breccia; clay + calcite (+ sericite?) dominant matrix with 30-80% tuff clasts; abundance of clasts increases towards margin of the breccia

<<Struc: 109.04 - 112.3 Weak breccia>> Scattered 20-50 cm intervals of moderately to strongly brecciated tuff and diorite; breccia could be related to brittle faulting or is perhaps earlier

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
99.67	101.40	1.73	S192066	1.1	429	159.1	3.13	0.9
101.40	103.03	1.63	S192067	1	211	125.76	1.67	4.2
103.03	104.70	1.67	S192068	1.1	271	141.04	0.57	7.4
104.70	106.30	1.60	S192069	0.5	162	55.45	0.2	0.7
106.30	107.60	1.30	S192070	2.2	151	50.22	2.83	0.7
107.60	109.04	1.44	S192071	10.3	174	63.59	1.5	5.5
109.04	110.50	1.46	S192072	1.3	163	99.45	1.81	16.6

110.50 119.50 DRPP Plagioclase porphyritic diorite salt + pepper MG

110.5 - 119.5: Yellowish grey plagioclase phenocrysts within a dark grey salt-and-pepper groundmass; fairly massive texture; core is extensively broken and locally fault gouged

<<Alt: 112.3 - 112.6 Moderate Clay>> Breccia with clay-carbonate matrix

<<Alt: 112.3 - 112.6 Moderate Calcite>> Breccia with clay-carbonate matrix

<<Alt: 112.6 - 117.1 Weak Clay>> Mostly as fracture coatings in heavily fractured interval

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
110.50	112.75	2.25	S192073	1.2	96	6.19	0.24	2.4
112.75	114.95	2.20	S192074	1.2	157	5.54	0.19	1.7
114.95	117.25	2.30	S192075	4.3	490	7.52	1.44	0.9
117.25	119.50	2.25	S192076	2.1	148	10.72	0.87	2

From (m) To (m) Rocktype & Description

<<Alt: 112.6 - 119.5 Weak Calcite>>

<<Alt: 117.1 - 118.1 Moderate Clay>> Increased coatings and clay-rich breccia development on margin of fault structure

<<Alt: 118.1 - 122.75 Strong Clay>> Weak to near total alteration of andesite and argillite to clay

<<Vein: 112.3 - 112.6 1% Calcite>> Discontinuous hairline veins associated with increased clay and carbonate alteration in breccia zone

<<Vein: 114.9 - 116.1 1% Calcite 10 deg. >> Discontinuous hairline veins associated with increased clay and carbonate alteration

<<Vein: 116.7 - 119.5 1% Calcite 20 deg. >> Discontinuous hairline veins associated with increased clay and carbonate alteration

<<Struc: 112.3 - 112.6 Moderate breccia>> Relatively strong breccia development with clay-carbonate rich matrix

<<Struc: 112.6 - 118.1 Weak breccia>> Scattered 20-50 cm intervals of moderately to strongly brecciated tuff and diorite; breccia could be related to brittle faulting or is perhaps earlier

<<Struc: 118.1 - 122.75 Strong fault>> 20-100 cm long intervals of fault gouge alternating with strongly fractured core

119.50 130.17 ARGC Calcareous graphitic argillite dark grey FMG

119.5 - 130.17: Mostly calcite-rich graphitic argillite with lesser amounts of thin black graphitic argillite layers; interval is faulted near the top then passes downwards into broken core followed by more competent intervals; unit is somewhat similar to overlying argillitic rocks but with significantly more (70-80%) fine medium-grained, dark grey, calcite-rich graphitic argillite layers

<<Min: 119.5 - 127.39 0.5% pyrite>> Interval of heavily fractured and faulted argillite with scattered pyrite specks on fracture planes

<<Min: 127.39 - 130.17 1% pyrite>> 1-10 mm sized blebs of pyrite on fracture surfaces; likely derived from hairline pyrite veins that provided planes of weakness during brittle deformation

<<Alt: 127.5 - 127.8 Weak Clay>> In argillitic breccia interval

<<Alt: 130.09 - 130.72 Weak Clay>> Minor amounts of clay and carbonate forming a weakly developed breccia interval at the argillite-andesite contact

<<Alt: 130.09 - 130.72 Moderate Calcite>> As blebs and fine-grained crystals intergrown with clay to form the breccia matrix

<<Vein: 126 - 130.09 1% Calcite 30 deg. >> Relatively well-defined planar white and grey calcite +/- pyrite veins; sharp and relatively planar contacts; true thickness from 2-5 mm

<<Vein: 130.09 - 130.72 5% Calcite 20 deg. >> Blebs and discontinuous stockwork veins of dirty white calcite; associated with increased calcite and clay alteration in breccia zone

<<Struc: 119.5 - 130.17 Moderate Bedded 55 deg. >> Relatively massive calcite-rich argillite layers interbedded with thin layers of graphitic argillite; top of this interval is strongly fractured and faulted

<<Struc: 127.5 - 127.8 Weak breccia 40 deg. >> Clay-rich matrix with clasts of argillite

<<Struc: 130.09 - 130.72 Weak breccia 20 deg. >> Clay-carbonate matrix with clasts of andesite and argillite; developed at argillite-andesite contact though extending significantly further into andesite; most of these breccia zones appear to be "failed" faults within this extensively fractured and faulted interval

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
119.50	121.20	1.70	S192077	-0.2	228	153.72	3.71	10.6
121.20	122.75	1.55	S192078	-0.2	188	137.69	1.6	6.3
122.75	124.60	1.85	S192079	1.1	231	147.46	1.18	4.5
124.60	126.45	1.85	S192081	-0.2	259	150.78	0.97	10.3
126.45	128.30	1.85	S192082	-0.2	199	140.61	1.61	8.1
128.30	130.17	1.87	S192083	-0.2	127	142.27	2.4	4.8

From (m)	To (m)	Rocktype & Description

130.17 147.45 APFW Pyroxene Andesite Porphyry Flow grey-green FMG

130.17 - 147.45: Relatively massive pyroxene +/- plagioclase porphyritic andesite; pyroxene phenocrysts are lath-like to rounded, brown in colour; short intervals show plagioclase > pyroxene phenocrysts with plagioclase forming white laths; matrix is fine-grained and greenish-grey

<<Min: 130.17 - 147.45 0.1% pyrite>>

<<Alt: 130.72 - 133.6 Weak Calcite>>

<<Alt: 133.6 - 135 Moderate Calcite>> As blebs and fine-grained crystals intergrown with clay to form the breccia matrix

<<Alt: 133.6 - 135 Weak Clay>> Minor amounts of clay and carbonate forming a weakly developed breccia interval at the argillite-andesite contact

<<Alt: 135 - 136.7 Weak Clay>> Restricted to fracture planes

<<Alt: 135 - 144 Weak Calcite>>

<<Alt: 136.7 - 137.1 Moderate Sericite>> Short interval of slightly more intense clay and sericite alteration

<<Alt: 136.7 - 137.1 Moderate Clay>> Short interval of slightly more intense clay and sericite alteration

<<Alt: 137.1 - 144 Weak Clay>> Restricted to fracture planes

<<Alt: 144 - 144.25 Moderate Clay>> Short interval of weakly brecciated andesite

<<Alt: 144 - 144.25 Weak Sericite>> In weakly brecciated interval with calcite and clay

<<Alt: 144 - 144.25 Moderate Calcite>> Blebs and hairline veins of calcite occurring in weakly brecciated interval with sericite and clay

<<Alt: 144.25 - 145.87 Weak Calcite>>

<<Alt: 144.25 - 145.87 Weak Clay>> Restricted to fracture planes

<<Alt: 145.87 - 147.45 Moderate Sericite>> Patches of sericite + epidote alteration that alternate with calcite vein breccia

<<Alt: 145.87 - 147.45 Moderate Calcite>> Locally developed calcite vein breccia

<<Alt: 145.87 - 147.45 Moderate Epidote-Chlorite>> Patches of sericite + epidote alteration that alternate with calcite vein breccia

<<Vein: 130.72 - 133.6 2% Calcite 20 deg. >> Stockwork of relatively well-defined hairline calcite veins; mostly at low angle TCA but a few at high angles; sharp but irregular contacts

<<Vein: 133.6 - 135 4% Calcite 50 deg. >> Blebs and discontinuous stockwork veins of dirty white calcite; associated with increased calcite and clay alteration in breccia zone

<<Vein: 135 - 144 1% Calcite 40 deg. >> Relatively well-defined hairline and regular white calcite veins; generally sharp and planar contacts; true thickness from 1-5 mm

<<Vein: 144 - 144.25 5% Calcite>> Hairline calcite vein stockwork associated with calcite and clay alteration, as well as brecciation

<<Vein: 144.25 - 145.87 1% Calcite>> Mostly blebs, discontinuous veins and hairline veins of white calcite

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
130.17	131.22	1.05	S192084	4.7	105	153.57	0.93	8.7
131.22	133.02	1.80	S192086	0.6	79	146.2	1.01	5.8
133.02	134.98	1.96	S192087	0.9	87	133.92	1.91	6
134.98	137.21	2.23	S192088	-0.2	97	138.61	0.43	1.3
137.21	139.29	2.08	S192089	3.9	152	163.33	0.68	2.8
139.29	141.60	2.31	S192091	89.1	496	175.55	1.37	19.7
141.60	143.85	2.25	S192092	4.2	300	163.29	1.21	1.7
143.85	145.87	2.02	S192093	-0.2	122	156.96	2.76	1.7
145.87	147.45	1.58	S192094	1.3	104	136.32	0.65	1

From (m)	To (m)	Rocktype & Description

<<Vein: 145.87 - 147.45 10% Quartz-Carbonate 60 deg. >> Calcite-quartz vein breccia consisting of irregular stockwork with andesite clasts; light grey quartz, creamy white to very light pink calcite

<<Struc: 130.17 - 130.18 contact 60 deg. >> Sharp, bedding-parallel contact between argillite and underlying pyroxene-phyric andesite flow

<<Struc: 133.6 - 135 Weak breccia>> Clay-carbonate matrix with clasts of andesite

<<Struc: 144 - 144.25 Weak breccia>> Matrix of weak clay alteration with in situ clasts of andesite

<<Struc: 145.87 - 147.45 Moderate breccia 55 deg. >> Locally developed calcite vein breccia with rounded clasts of in situ andesite; vein breccia forms stockwork; angle TCA derived from bands of epidote + sericite alteration

147.45 156.70 DRPP Plagioclase porphyritic diorite salt + pepper MG

147.45 - 156.7: Yellowish grey plagioclase phenocrysts within a dark grey salt-and-pepper groundmass; fairly massive texture; core is extensively broken

<<Min: 147.45 - 148.9 0.5% pyrite>> Finely disseminated pyrite in diorite matrix

<<Min: 148.9 - 165.95 0.1% pyrite>>

<<Alt: 147.45 - 156.7 Weak Calcite>>

<<Alt: 149.85 - 150.28 Weak Clay>> Minor sandy clay within strongly fractured fault zone

<<Alt: 151.95 - 152.88 Weak Clay>> Minor sandy clay within strongly fractured fault zone

<<Vein: 147.45 - 147.48 100% Quartz-Carbonate 60 deg. >> Planar calcite-quartz vein at contact between andesite quartz-calcite vein breccia and diorite; massive texture; sharp contacts; true thickness of 3 cm

<<Struc: 147.45 - 147.46 contact 50 deg. >> Sharp contact between andesite flow and diorite; contact intruded by 2 cm thick calcite vein

<<Struc: 149.85 - 150.28 Weak fault>> Mostly fractured rock with minor sandy clay

<<Struc: 151.95 - 152.88 Weak fault>> Mostly fractured rock with minor sandy clay

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
147.45	149.60	2.15	S192095	0.5	68	15.99	1.02	0.5
149.60	151.95	2.35	S192096	-0.2	43	6.02	0.16	0.3
151.95	154.13	2.18	S192097	0.8	26	5.64	0.08	0.8
154.13	156.70	2.57	S192098	0.7	38	11.02	0.12	0.8

156.70 165.95 APFW Pyroxene Andesite Porphyry Flow grey-green FMG

156.7 - 165.95: Relatively massive pyroxene +/- plagioclase porphyritic andesite; pyroxene phenocrysts are lath-like to rounded, brown in colour; short intervals show plagioclase > pyroxene phenocrysts with plagioclase forming white laths; matrix is fine-grained and greenish-grey

<<Alt: 156.7 - 156.89 Moderate Sericite>> Band of pervasive sericite + epidote alteration in andesite immediately below diorite contact

<<Alt: 156.7 - 156.89 Moderate Epidote-Chlorite>> Band of pervasive sericite + epidote alteration in andesite immediately below diorite contact

<<Alt: 156.7 - 156.89 Moderate Calcite>> Associated with strongest epidote + sericite alteration

<<Alt: 156.89 - 157.69 Weak Sericite>> Patches of sericite + epidote alteration in andesite beneath diorite

<<Alt: 156.89 - 157.69 Weak Epidote-Chlorite>> Patches of sericite + epidote alteration in andesite beneath diorite

<<Alt: 156.89 - 175.44 Weak Calcite>>

<<Vein: 156.7 - 157.69 2% Calcite>> Stockwork of white hairline calcite veins; sharp and irregular contacts

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
156.70	159.02	2.32	S192099	1.3	97	163.96	1.21	0.9
159.02	161.30	2.28	S192100	3.2	85	159.1	0.78	0.4
161.30	163.38	2.08	S192101	7.4	108	167.29	0.67	1.6
163.38	165.95	2.57	S192102	2.9	91	153.1	0.51	1.7

From (m)	To (m)	Rocktype & Description

<<Vein: 157.69 - 164.5 1% Calcite 45 deg. >> Fairly regularly distributed white to grey, massive to banded, calcite +/- quartz veins; calcite is white to grey; contacts are sharp and slightly wavy; true thickness from 2-5 mm

<<Struc: 156.7 - 156.71 contact 30 deg. >> Sharp planar contact between diorite and underlying andesite

165.95 168.86 DRPP Plagioclase porphyritic diorite salt + pepper MG

165.95 - 168.86: Yellowish grey plagioclase phenocrysts within a dark grey salt-and-pepper groundmass; fairly massive texture; core is extensively broken

<<Min: 165.95 - 168.8 0.5% pyrite>> Slightly higher finely disseminated pyrite abundance within diorite

<<Min: 168.8 - 224.32 0.1% pyrite>>

<<Alt: 165.95 - 170.35 Weak Clay>> Minor sandy clay on fracture planes

<<Vein: 168.8 - 170.35 4% Calcite 20 deg. >> Dirty white hairline and regular calcite +/- hematite veins

<<Struc: 165.95 - 169.6 Moderate Fractured>> Moderate to strongly fractured interval that lacks fault gouge

168.86 224.32 APFW Pyroxene Andesite Porphyry Flow grey-green FMG

168.86 - 224.32: Relatively massive pyroxene +/- plagioclase porphyritic andesite; pyroxene phenocrysts are lath-like to rounded, brown in colour; short intervals show plagioclase > pyroxene phenocrysts with plagioclase forming white laths; matrix is fine-grained and greenish-grey

<<Alt: 169.6 - 170.35 Weak Sericite>> Associated with increased calcite veining

<<Alt: 175.44 - 176.55 Moderate Calcite>> In localized calcite vein breccia

<<Alt: 175.44 - 176.55 Weak Clay>> Minor sandy clay on fracture planes

<<Alt: 175.44 - 176.55 Strong Epidote-Chlorite>> Patches of epidote + sericite alteration alternate with calcite vein breccia

<<Alt: 175.44 - 176.55 Strong Sericite>> Patches of epidote + sericite alteration alternate with calcite vein breccia

<<Alt: 176.55 - 183.8 Moderate Calcite>> Fairly abundant hairline veins and scattered calcite vein breccias; the breccias are typically associated with patches of epidote + sericite alteration

<<Alt: 176.55 - 183.8 Weak Epidote-Chlorite>> Scattered patches of moderate sericite + epidote alteration

<<Alt: 176.55 - 183.8 Weak Sericite>> Scattered patches of moderate sericite + epidote alteration

<<Alt: 183.8 - 189.45 Weak Clay>> On fracture planes and more pervasive in short intervals

<<Alt: 183.8 - 190.28 Weak Calcite>> Relatively high abundance of veins and blebs; most weak but locally to moderate

<<Alt: 190.28 - 192.13 Moderate Calcite>> Increased abundance of calcite veins and bleb stockwork

<<Alt: 192.13 - 193.3 Moderate Clay>> Locally pervasive and on fracture planes within fault

<<Alt: 192.13 - 215.62 Weak Calcite>> Also as patchy blebs, hairline vein swarms

<<Alt: 193.3 - 199.6 Weak Sericite>> Scattered bands of sericite + epidote alteration, ranging up to 5 cm wide and comprising 2-3% of this interval

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
165.95	167.50	1.55	S192103	1.7	38	9.33	0.14	0.7
167.50	168.86	1.36	S192104	0.9	35	10.42	0.07	0.6
168.86	170.35	1.49	S192106	5.8	47	170.5	1.3	1.4
170.35	172.00	1.65	S192107	2.2	84	165.68	0.78	0.7
172.00	173.60	1.60	S192108	2.3	84	158.13	0.28	0.6
173.60	175.19	1.59	S192109	2.2	80	164.98	0.68	0.4
175.19	176.63	1.44	S192110	4.4	84	129.84	4.37	2.2
176.63	178.36	1.73	S192111	2.5	94	162.61	0.6	1.1
178.36	180.18	1.82	S192112	2.2	100	157.15	1.61	1.6
180.18	181.97	1.79	S192113	1.3	79	166.82	0.37	1.1
181.97	183.80	1.83	S192114	2.1	88	155.4	1.93	1.2
183.80	186.30	2.50	S192115	3.4	88	158.09	0.35	1.4
186.30	188.25	1.95	S192116	3.3	98	156.33	0.57	3.5
188.25	190.28	2.03	S192117	2.8	93	161.3	1.17	1.3
190.28	192.11	1.83	S192118	2.1	102	156.08	0.4	2.6
192.11	193.30	1.19	S192119	4.4	96	94.51	0.46	7.7
193.30	195.10	1.80	S192121	6.1	104	153.28	0.82	5.7

GeoSpark Logger ~ Drill Log

Project: Mt Milligan **Hole Number:** 15-1020

From (m)	To (m)	Rocktype & Description

- <<Alt: 193.3 - 199.6 Weak Epidote-Chlorite>> Scattered bands of sericite + epidote alteration, ranging up to 5 cm wide and comprising 2-3% of this interval
- <<Alt: 199.04 - 200.51 Weak Clay>> Sandy clay on fracture surfaces; locally pervasive over one 10 cm interval
- <<Alt: 201.92 - 204.7 Weak Clay>> Patchy and pervasive in breccia zone; sandy clay on fractures in fault zone
- <<Alt: 205.45 - 205.9 Weak Clay>> Minor amount of sandy clay
- <<Alt: 206.7 - 206.97 Weak Clay>> Also a short interval of fairly massive sandy clay
- <<Alt: 207.5 - 215.62 Weak Epidote-Chlorite>> 1-20 cm thick bands of moderate epidote + sericite alteration; in places associated with increased calcite veining; ~5% of this interval is altered in this way
- <<Alt: 207.5 - 215.62 Weak Sericite>> 1-20 cm thick bands of moderate epidote + sericite alteration; in places associated with increased calcite veining; ~5% of this interval is altered in this way
- <<Alt: 215.62 - 218.5 Moderate Calcite>> Calcite + quartz vein breccia associated with interval of strong epidote + sericite alteration
- <<Alt: 215.62 - 218.5 Moderate Epidote-Chlorite>> Interval with more pervasive epidote + sericite alteration; associated with irregular calcite + quartz vein breccia
- <<Alt: 215.62 - 218.5 Moderate Sericite>> Interval with more pervasive epidote + sericite alteration; associated with irregular calcite + quartz vein breccia
- <<Alt: 218.5 - 221.6 Weak Epidote-Chlorite>> Bands of epidote + sericite alteration ranging from 10-30 cm in width; typically associated with bleb-like quartz + calcite veins
- <<Alt: 218.5 - 221.6 Weak Sericite>> Bands of epidote + sericite alteration ranging from 10-30 cm in width; typically associated with bleb-like quartz + calcite veins
- <<Alt: 218.5 - 224.32 Weak Calcite>>
- <<Alt: 222.6 - 223.3 Weak Clay>> On fracture planes in faulted interval
- <<Vein: 170.35 - 175.44 2% Calcite 30 deg. >>
- <<Vein: 175.44 - 176.55 15% Quartz-Carbonate 20 deg. >> Intergrown light grey to white calcite and beige quartz; forms vein breccia along with strong epidote + sericite alteration; contacts are sharp to gradational
- <<Vein: 176.55 - 183.8 5% Quartz-Carbonate 20 deg. >> Calcite and calcite + quartz veins and vein breccias; often associated with bands of sericite + epidote alteration; sharp to gradational and irregular contacts; also hairline calcite veins
- <<Vein: 183.8 - 190.28 3% Calcite>> Fairly regular distribution of dirty white hairline and regular calcite +/- quartz veins; range of orientations; also blebs
- <<Vein: 190.28 - 192.13 5% Calcite 60 deg. >> Stockwork of hairline and regular calcite veins; many veins at high angle TCA but some also at low angle
- <<Vein: 192.13 - 196.9 2% Quartz-Carbonate 75 deg. >> Evenly distributed quartz + calcite veins at high angle TCA: also hairline calcite veins at lower angles
- <<Vein: 207.5 - 215.62 1% Calcite 35 deg. >> Scattered hairline and regular calcite +/- quartz veins; some veins are associated with bands of epidote + sericite alteration
- <<Vein: 215.62 - 218.5 10% Quartz-Carbonate 40 deg. >> Calcite + quartz vein breccia associated with epidote + sericite alteration; contacts are sharp to gradational, mostly irregular

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
195.10	196.90	1.80	S192122	2.6	96	165.42	0.62	6.7
196.90	199.04	2.14	S192123	2.2	96	167.59	0.43	1.8
199.04	200.51	1.47	S192124	2.1	97	175.9	0.54	1
200.51	202.64	2.13	S192126	2.6	82	174.94	0.66	0.7
202.64	204.70	2.06	S192127	2	85	168.7	0.49	0.5
204.70	206.97	2.27	S192128	2.8	81	168.12	0.56	0.6
206.97	208.70	1.73	S192129	3	94	172.77	0.33	0.9
208.70	210.40	1.70	S192131	1.9	78	160.4	0.44	1.1
210.40	212.10	1.70	S192132	4.2	76	162.15	0.34	1.1
212.10	213.80	1.70	S192133	5	90	165.35	0.4	1
213.80	215.62	1.82	S192134	2.9	87	160.1	0.31	1.7
215.62	217.10	1.48	S192135	2.4	97	131.31	2.58	1.6
217.10	218.54	1.44	S192136	1.4	116	111.76	2.7	1.5
218.54	220.10	1.56	S192137	4.4	167	154.93	0.25	1.2
220.10	221.70	1.60	S192138	3.7	316	149.52	0.29	1.5
221.70	223.30	1.60	S192139	1.1	131	172.76	0.72	1
223.30	224.32	1.02	S192140	4.3	369	145.69	0.63	2.6

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251

<<Vein: 218.5 - 223.3 1% Quartz-Carbonate 60 deg. >> Scattered calcite + quartz blebs and veins; typically associated with bands of sericite + epidote alteration

<<Vein: 223.3 - 224.32 5% Calcite 30 deg. >> Sheared (?) white and grey calcite veins associated with hairline epidote + sericite veins; vein-rich interval developed in andesite immediately overlying monzonite

<<Struc: 175.44 - 176.55 Weak breccia 40 deg. >> Weak to locally strong calcite vein breccia associated with patchy epidote and sericite alteration

<<Struc: 184.33 - 228.24 Moderate Fault zone 35 deg. >> Angle TCA measured at upper contact of fault zone; long interval of broken and locally fault gouged rock

<<Struc: 192.13 - 193.3 Weak fault>> Defined by finely broken rock and moderate alteration of host andesite to clay

<<Struc: 199.04 - 200.51 Weak fault 30 deg. >> Mostly broken rock with minor development of sandy clay on fractures and pervasive clay; angle TCA measured on thin clay seam

<<Struc: 201.92 - 202.64 Weak breccia>> Proto-fault? 5-10% clay matrix with in situ andesite clasts

<<Struc: 202.64 - 204.7 Weak fault>> Broken rock and sandy clay

<<Struc: 205.45 - 205.9 Weak fault 20 deg. >> Broken rock and sandy clay; most fracture surfaces developed at low angle TCA

<<Struc: 206.7 - 206.97 Weak fault 50 deg. >> Broken rock and sandy clay, angle TCA measured on upper-most fracture surface

<<Struc: 210.5 - 210.9 Weak fault 35 deg. >> Broken interval with sandy clay; angle TCA measured off lower-most fracture surface

<<Struc: 212.1 - 213.2 Weak fault>> Mostly fractured rock with short scattered intervals of pervasive clay alteration

<<Struc: 215.62 - 218.5 Moderate breccia 40 deg. >> Calcite + quartz vein breccia associated with epidote + sericite alteration

<<Struc: 222.6 - 223.3 Weak fault>> Mostly fractured rock with minor development of sandy clay

224.32 228.24 MVHD Monzonite Volcanic Hybrid salt + pepper FMG

224.32 - 228.24: Massive, dark brownish and creamy grey monzonite; plagioclase phenocrysts are lath-like and up to 4 mm long; hornblende phenocrysts are chunky to acicular, up to 3 mm long and less abundant than plagioclase; some brick red hematite staining on fracture planes

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
224.32	226.30	1.98	S192141	2.1	73	33.19	1.39	2.8
226.30	228.24	1.94	S192142	0.5	59	44.9	0.86	1.7

<<Min: 224.32 - 228.24 0.5% pyrite>> Slightly higher pyrite abundance within monzonite unit

<<Alt: 224.32 - 228.24 Weak Haematite >> Distinct red brick hematite occurs on fracture surfaces within monzonite

<<Alt: 224.75 - 227 Weak Clay>> On fracture planes in faulted interval

<<Struc: 224.32 - 224.33 contact 20 deg. >> Sharp contact between andesite and monzonite

<<Struc: 224.75 - 227 Weak fault 20 deg. >> Mostly fractured rock with minor development of sandy clay; angle TCA measured on one of several low angle fractures

From (m)	To (m)	Rocktype & Description

228.24 302.00 APFW Pyroxene Andesite Porphyry Flow grey-green FMG

228.24 - 302: Relatively massive pyroxene +/- plagioclase porphyritic andesite; pyroxene phenocrysts are lath-like to rounded, brown in colour; short intervals show plagioclase > pyroxene phenocrysts with plagioclase forming white laths; matrix is fine-grained and greenish-grey

<<Min: 228.24 - 256.95 0.1% pyrite>>

<<Min: 256.95 - 267.71 0.5% pyrite>> Scattered 1 mm-sized aggregates along the margins of calcite + quartz veins

<<Min: 267.71 - 300.33 0.1% pyrite>> Accessory mineral in all main lithologies

<<Min: 300.33 - 301.34 0.5% pyrite>> Slightly elevated abundance in strongly calcite + magnetite + sericite shear zone

<<Min: 301.34 - 338 0.1% pyrite>>

<<Alt: 228.24 - 229.31 Moderate Calcite>> Stockwork of hairline calcite veins; also minor calcite + quartz vein breccia

<<Alt: 228.24 - 249.02 Weak Epidote-Chlorite>> Scattered patches of sericite +/- epidote alteration; patches comprise 1-2% of the interval; likely weakly pervasive as well

<<Alt: 228.24 - 249.02 Weak Sericite>> Scattered patches of sericite +/- epidote alteration; patches comprise 1-2% of the interval; likely weakly pervasive as well

<<Alt: 229.31 - 249.02 Weak Calcite>> Also in hairline veins and blebs

<<Alt: 241.8 - 243.4 Weak Clay>> Sandy clay on fracture planes; short intervals with pervasive clay development

<<Alt: 249.02 - 252.5 Moderate Biotite>> Unsure of ID; andesite becomes dark brown and loses reactivity with HCl; no visible epidote or sericite alteration; scattered pyroxene phenocrysts suggests it is the same rock type

<<Alt: 252.5 - 256.95 Weak Calcite>>

<<Alt: 252.5 - 256.95 Weak Epidote-Chlorite>> Patches of weak to strong, pervasive, epidote + sericite alteration +/- calcite + quartz veins; also as hairline epidote + sericite stringers and weakly pervasive in the groundmass of heavily fractured material

<<Alt: 252.5 - 256.95 Weak Sericite>> Patches of weak to strong, pervasive, epidote + sericite alteration +/- calcite + quartz veins; also as hairline epidote + sericite stringers and weakly pervasive in the groundmass of heavily fractured material

<<Alt: 256.95 - 259.9 Weak Biotite>> Suspect very weak biotite alteration; dark colour as in previous interval; also lacks calcite, epidote and sericite alteration

<<Alt: 259.9 - 261.83 Weak Clay>> Patches of weakly pervasive clay alteration in lithified rock

<<Alt: 259.9 - 267.71 Weak Sericite>> Patches of weak to strong, pervasive, epidote + sericite alteration +/- calcite + quartz veins; also as hairline epidote + sericite stringers and weakly pervasive in the groundmass of heavily fractured material

<<Alt: 259.9 - 267.71 Weak Epidote-Chlorite>> Patches of weak to strong, pervasive, epidote + sericite alteration +/- calcite + quartz veins; also as hairline epidote + sericite stringers and weakly pervasive in the groundmass of heavily fractured material

<<Alt: 259.9 - 271.83 Weak Calcite>>

<<Alt: 271.83 - 277.5 Moderate Calcite>> Associated with relatively abundance calcite +/- quartz veins and blebs, as well as intergrown with clay in fault zone

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
228.24	229.94	1.70	S192143	1.3	118	159.08	0.49	2.1
229.94	231.95	2.01	S192144	0.6	97	183.7	0.76	1.1
231.95	233.95	2.00	S192146	0.4	96	183.85	0.61	1.3
233.95	235.93	1.98	S192147	2.1	93	161.29	0.5	1.2
235.93	237.91	1.98	S192148	-0.2	88	150.63	0.56	1.3
237.91	239.88	1.97	S192149	0.5	102	169.27	0.28	1.6
239.88	241.80	1.92	S192150	1	97	165.86	0.34	1.8
241.80	243.40	1.60	S192151	-0.2	109	165.83	1.07	1.7
243.40	245.18	1.78	S192152	2.3	57	167.28	0.58	1.2
245.18	247.10	1.92	S192153	3.7	88	172.95	0.4	1.6
247.10	249.02	1.92	S192154	15.8	121	172.9	0.2	1.3
249.02	250.60	1.58	S192155	2.2	94	165.65	0.88	1.6
250.60	252.50	1.90	S192156	4.2	102	167.24	0.42	2.5
252.50	254.00	1.50	S192157	1.3	93	162.72	1.09	5
254.00	255.51	1.51	S192158	2.1	82	131.9	0.37	1.7
255.51	256.95	1.44	S192159	-0.2	98	171.01	0.4	1.8
256.95	258.30	1.35	S192161	1.5	101	165.23	0.25	1.5
258.30	259.90	1.60	S192162	-0.2	153	170.06	0.51	2
259.90	261.25	1.35	S192163	1.1	146	156.24	0.61	3.9
261.25	263.05	1.80	S192164	0.9	120	187.97	0.88	2.3
263.05	264.62	1.57	S192166	0.7	82	168.98	0.52	2.2

From (m)	To (m)	Rocktype & Description
		<<Alt: 272.34 - 277.5 Weak Clay>> Weak to moderately pervasive clay development within fault zone
		<<Alt: 277.5 - 295.4 Weak Calcite>>
		<<Alt: 295.4 - 298.15 Moderate Calcite>> Pervasive in the groundmass; also as abundant blebs and hairline veins; occurs within weakly clay altered fault
		<<Alt: 298.15 - 300.33 Weak Biotite>> Suspect; andesite has slightly darker colour than normal and lacks carbonate
		<<Alt: 298.15 - 300.33 Weak Epidote-Chlorite>> Stockwork of hairline epidote + sericite veins in weakly biotite altered andesite
		<<Alt: 298.15 - 300.33 Weak Sericite>> Stockwork of hairline epidote + sericite veins in weakly biotite altered andesite
		<<Alt: 300.33 - 301.34 Strong Magnetite>> Near total replacement of andesite protolith by calcite and magnetite
		<<Alt: 300.33 - 302 Strong Calcite>> Near total replacement of andesite protolith by calcite and magnetite
		<<Alt: 300.33 - 302 Moderate Sericite>> Near total replacement of andesite protolith with calcite + magnetite + sericite (greenish) followed by calcite + sericite + clay; immediately above contact with monzodiorite porphyry
		<<Alt: 301.34 - 302 Strong Clay>> Near total replacement of andesite protolith immediately above contact with monzodiorite porphyry
		<<Vein: 228.24 - 229.31 10% Calcite>> Chaotic stockwork of hairline calcite and epidote + sericite veins in andesite immediately below monzonite
		<<Vein: 229.31 - 243.2 5% Quartz-Carbonate 55 deg. >> Relative long stretch of strong veining; vein types include hairline calcite, white calcite vein with pink (K-feldspar?) margins; calcite + epidote + sericite veins in association with similar alteration; typical quartz + calcite veins; larger veins generally at high angle TCA
		<<Vein: 243.2 - 252.5 1% Calcite 70 deg. >> Scattered calcite +/- quartz, epidote, sericite veins; generally at high angle TCA
		<<Vein: 252.5 - 256.95 10% Calcite 50 deg. >> Stockwork of grey and white calcite +/- quartz vein breccia; sharp to gradational contacts, with latter suggesting vein breccia is related to pervasive calcite alteration; some of the 1-5 mm wide veins are folded
		<<Vein: 256.95 - 267.71 5% Quartz-Carbonate 50 deg. >> Stockwork of grey and white calcite +/- quartz vein breccia; sharp to gradational contacts, with latter suggesting vein breccia is related to pervasive calcite alteration; several veins associated with bands of sericite + epidote alteration
		<<Vein: 267.71 - 269.02 1% Calcite 55 deg. >> Scattered hairline calcite and epidote + sericite veins
		<<Vein: 269.02 - 270.4 5% Quartz-Carbonate 40 deg. >> Discontinuous and hairline veins, as well as blebs, of grey quartz and white calcite; also some sericite + epidote veins
		<<Vein: 270.4 - 271.83 2% Calcite 55 deg. >> Less abundant calcite +/- quartz vein stockwork, veins are discontinuous, hairline to 5 mm thick, pinch and swell; contacts are sharp to gradational with the groundmass; also some sericite + epidote veins
		<<Vein: 271.83 - 272.34 20% Calcite 75 deg. >> Relatively large grey and white calcite veins cut by narrower calcite +/- quartz veins; older veins have sharp to gradational and irregular contacts; younger veins are sharp walled
		<<Vein: 272.34 - 277.5 2% Calcite 55 deg. >> Dirty white hairline calcite veins and blebs; associated with weak pervasive clay alteration in fault zone
		<<Vein: 293.65 - 294.7 5% Quartz-Carbonate 40 deg. >> Grey to white calcite and grey quartz; angle TCA is most representative orientation; associated with localized epidote + sericite alteration in wall rock

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
264.62	266.03	1.41	S192167	0.9	133	170.21	0.4	3.6
266.03	267.71	1.68	S192168	-0.2	107	162.63	0.77	5.7
267.71	269.21	1.50	S192169	0.8	62	150.24	0.28	1.6
269.21	270.80	1.59	S192171	0.6	72	143.16	0.35	2.5
270.80	272.34	1.54	S192172	1.8	90	161.51	0.88	4.7
272.34	273.99	1.65	S192173	0.3	88	171.64	0.94	4.7
273.99	275.75	1.76	S192174	0.4	99	161	0.33	1.4
275.75	277.50	1.75	S192175	-0.2	89	175.79	0.61	1.7
277.50	279.84	2.34	S192176	0.3	69	163.47	0.52	1.3
279.84	282.15	2.31	S192177	2.4	103	177.58	1.02	1.4
282.15	284.45	2.30	S192178	4.4	104	162.83	0.09	1
284.45	286.75	2.30	S192179	10	85	168.09	0.12	1.1
286.75	289.11	2.36	S192180	2.4	81	167.03	0.05	1.3
289.11	291.40	2.29	S192181	3.5	104	168.96	0.17	0.8
291.40	293.65	2.25	S192182	-0.2	82	163.17	0.44	1.2
293.65	295.06	1.41	S192183	2.4	99	166.08	2.78	3.5
295.06	296.95	1.89	S192184	1.5	91	166.85	0.86	7.7
296.95	298.00	1.05	S192186	0.3	83	156.74	0.96	2.7
298.00	300.33	2.33	S192187	1.8	73	162.2	0.15	1.7
300.33	302.00	1.67	S192188	11.3	166	160.97	0.52	6

From (m)	To (m)	Rocktype & Description

<<Vein: 294.7 - 294.8 40% Quartz-Carbonate 25 deg. >>   Poly-generation calcite + quartz and banded calcite + hematite veins; 4 cm true thickness; sharp contacts with shards of wall rock; looks like a shear vein

<<Vein: 294.8 - 295.4 1% Calcite 15 deg. >>   Scattered hairline calcite veins

<<Vein: 295.4 - 297.3 10% Calcite 15 deg. >>   Massive, regular and hairline veins, as well as blebs, of dirty white calcite within weakly clay altered fault; vein calcite likely of same generation that is intergrown with clay in the groundmass

<<Vein: 298.15 - 302 5% Calcite 65 deg. >>   Regular and hairline veins, as well as blebs; mostly calcite +/- epidote, sericite; also hairline epidote + sericite veins; a range of orientations although many of the veins are at relatively high angle TCA

<<Struc: 241.8 - 243.4 Weak fault 45 deg. >>   Fractured rock with sandy clay on fracture surfaces; angle TCA measured on upper-most fracture

<<Struc: 259.9 - 261.83 Weak breccia 80 deg. >>   Several narrow sub-intervals of calcite +/- quartz vein breccia associated with epidote + sericite and clay alteration

<<Struc: 270.8 - 283.07 Moderate Fault zone>>   Interval of extensively broken core with sub-intervals of fault gouge that are logged as faults (FL)

<<Struc: 272.34 - 277.5 Moderate fault 60 deg. >>   Interval with strong broken core; sandy clay is pervasively developed over 5-50 cm intervals and also occurs on fracture surfaces

<<Struc: 281.02 - 281.18 Weak fault 30 deg. >>   Broken core with minor sandy clay

<<Struc: 295.4 - 297.3 Moderate fault 70 deg. >>   Extensively fractured interval with weak to strongly pervasive clay alteration; angle TCA is representative of generally high angle fracturing

<<Struc: 295.4 - 354.92 Moderate Fault zone>>   Long fault zone consisting almost entirely of broken rock and with numerous subintervals of fault gouge

<<Struc: 300.33 - 301.34 Moderate Sheared 25 deg. >>   Sheared and strongly altered mafic volcanic on the margin of a strongly clay altered brittle fault; possibly that shear fabric continues through fault

<<Struc: 301.34 - 306.97 Strong fault 60 deg. >>   Heavily fractured and broken interval with extensive clay alteration, including three 1 m intervals with strong pervasive clay alteration; top part of this fault is lithified with moderate calcite alteration as blebs and hairline veins; angle TCA is parallel to andesite-monzodiorite contact

302.00   333.02 MNDR   Monzodiorite   salt + pepper   MG

302 - 333.02: Extensively broken and fault gouged interval; mostly plagioclase phenocrysts with minor K-feldspar; plagioclase forms grey laths, K-feldspar forms creamy white crystals; in places, stringers of K-feldspar crystals follow a fracture, suggesting they may be secondary in origin; also scattered acicular hornblende phenocrysts; crystalline groundmass contains abundant plagioclase + hornblende and/or biotite; similar to the units logged above as DRPP (diorite porphyry)

<<Alt: 302 - 306.97 Moderate Clay>>   Locally pervasive within extensively fractured and fault gouged zone

<<Alt: 302 - 306.97 Moderate Calcite>>   Intergrown with clay; also

<<Alt: 306.97 - 309.1 Weak Calcite>>

<<Alt: 309.1 - 309.52 Moderate Calcite>>   Intergrown with clay in narrow fault

<<Alt: 309.1 - 309.52 Weak Clay>>   Mostly sandy clay

<<Alt: 309.52 - 311.4 Weak Calcite>>

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
302.00	303.97	1.97	S192189	1.2	38	8.95	1.22	1
303.97	306.97	3.00	S192190	-0.2	22	5.49	0.11	1.1
306.97	309.52	2.55	S192191	-0.2	18	1.23	0.11	0.5
309.52	312.01	2.49	S192192	-0.2	19	1.71	0.08	1
312.01	314.45	2.44	S192193	-0.2	17	1.22	0.11	0.5
314.45	315.75	1.30	S192194	0.2	15	2.6	0.09	1.3
315.75	316.94	1.19	S192195	0.5	17	1.04	0.1	1.2

From (m)	To (m)	Rocktype & Description

<<Alt: 311.4 - 313.75 Moderate Calcite>> Somewhat stronger calcite alteration in association with clay + sericite in fault zone

<<Alt: 311.4 - 313.75 Weak Clay>> Mostly sandy clay

<<Alt: 311.4 - 313.75 Moderate Sericite>> Scattered patches of strong pervasive sericite that is intergrown with clay and calcite

<<Alt: 313.75 - 314.45 Weak Calcite>>

<<Alt: 314.45 - 315.75 Moderate Calcite>> Near total replacement of host monzodiorite with clay + sericite + calcite fault gouge

<<Alt: 314.45 - 315.75 Strong Clay>> Near total replacement of host monzodiorite with clay + sericite + calcite fault gouge

<<Alt: 314.45 - 315.75 Strong Sericite>> Near total replacement of host monzodiorite with clay + sericite + calcite fault gouge

<<Alt: 315.75 - 316.18 Weak Sericite>> Scattered narrow zones of sericite + clay on fracture planes

<<Alt: 315.75 - 316.18 Weak Clay>> Scattered narrow zones of sericite + clay on fracture planes

<<Alt: 315.75 - 319.75 Weak Calcite>>

<<Alt: 316.18 - 316.94 Moderate Clay>> Fairly pervasive replacement of monzodiorite by clay + sericite + calcite in fault

<<Alt: 316.18 - 316.94 Moderate Sericite>> Fairly pervasive replacement of monzodiorite by clay + sericite + calcite in fault

<<Alt: 318.06 - 318.85 Weak Sericite>> Mostly sandy clay on fracture planes

<<Alt: 319.75 - 320.35 Moderate Calcite>> Powdery white calcite coating most fracture planes

<<Alt: 319.75 - 322.1 Weak Clay>> Mostly sandy clay on fracture planes

<<Alt: 320.35 - 329.43 Weak Calcite>>

<<Alt: 324.06 - 327.97 Weak Clay>> Weak development of sandy clay on fracture planes

<<Alt: 328.5 - 329.43 Moderate Clay>> Pervasive development of sandy clay within fault

<<Alt: 328.5 - 329.43 Weak Sericite>> Associated with clay fault gouge

<<Alt: 329.43 - 329.95 Moderate Calcite>> Pervasive sericite + calcite alteration of monzodiorite in shear zone

<<Alt: 329.43 - 329.95 Moderate Sericite>> Pervasive sericite + calcite alteration of monzodiorite in shear zone

<<Alt: 329.95 - 333.44 Weak Sericite>> Associated with clay alteration

<<Alt: 329.95 - 333.44 Moderate Clay>> Weak to strongly pervasive clay alteration over 10-100 cm intervals

<<Vein: 302 - 333.02 0.1% Calcite 20 deg. >> Scattered 1-5 mm wide white calcite veins; sharp and planar contacts; fairly regular orientation; typically form fracture surfaces

<<Struc: 302 - 302.01 contact 60 deg. >> Sharp contact between andesite and monzodiorite in strongly faulted interva

<<Struc: 309.1 - 309.52 Moderate fault 40 deg. >> Heavily fractured interval with weak to pervasive clay alteration

<<Struc: 311.4 - 313.75 Moderate fault 50 deg. >> Angle TCA measured on sharp contact between clay + sericite fault breccia and competent monzodiorite; fault itself is marked by extensively broken rock with short intervals of pervasive clay + sericite alteration

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
316.94	319.45	2.51	S192196	0.7	19	0.74	0.11	0.8
319.45	321.75	2.30	S192197	-0.2	11	1.07	0.13	1.1
321.75	324.20	2.45	S192198	-0.2	18	6.1	0.13	2
324.20	326.60	2.40	S192199	-0.2	26	7.01	0.12	2.2
326.60	328.80	2.20	S192201	0.7	39	7.61	0.2	1.8
328.80	329.95	1.15	S192202	4.8	138	12.78	2.04	5.9
329.95	331.50	1.55	S192203	3.7	87	5.54	0.21	1.6
331.50	333.02	1.52	S192204	1.2	34	4.16	0.12	0.7

From (m)	To (m)	Rocktype & Description

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251

<<Struc: 314.45 - 315.75 Strong fault 45 deg. >> Near total replacement of monzodiorite with clay + sericite fault gouge

<<Struc: 316.18 - 316.94 Weak fault 45 deg. >> Heavily fractured interval with sandy clay on fracture planes

<<Struc: 318.06 - 318.85 Weak fault 60 deg. >> Heavily fractured interval with sandy clay on fracture planes

<<Struc: 319.75 - 322.1 Weak fault 65 deg. >> Heavily fractured interval with sandy clay on fracture planes

<<Struc: 324.06 - 327.97 Weak fault 50 deg. >> Fractured interval with weakly developed sandy clay on fracture surfaces

<<Struc: 328.5 - 329.43 Moderate fault 60 deg. >> Strongly fractured interval with moderate sandy clay development; lower contact of this fault is against a shear zone

<<Struc: 329.43 - 329.95 Moderate Sheared 40 deg. >> Weak to strongly sheared monzodiorite; foliation defined by bands of sericite + calcite wrapping around relict feldspar phenocrysts; bound on either side by brittle fault

<<Struc: 329.95 - 333.44 Strong fault 40 deg. >> Strongly fractured rock with several 10-100 cm subintervals of pervasive clay development

333.02 337.44 ANTF Andesitic tuff grey FG

333.02 - 337.44: Extensively broken interval that is locally altered to fault gouge; competent intervals are sericite altered and sheared; original texture difficult to discern but correlated with less deformed ANTF below this faulted interval

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
333.02	334.37	1.35	S192206	0.7	175	110.81	0.89	10.9
334.37	335.80	1.43	S192207	2.7	103	28.93	0.3	6.9
335.80	337.44	1.64	S192208	1.8	33	4.24	0.05	4.3

<<Min: 333.44 - 334.55 0.1% pyrrhotite>> Accessory mineral in calcite + quartz vein breccia

<<Alt: 333.44 - 334.55 Weak Clay>> A few fracture planes with sandy clay

<<Alt: 333.44 - 334.55 Moderate Calcite>> Strong calcite associated with narrow intervals of maximum sericite alteration; otherwise mostly weak pervasive

<<Alt: 333.44 - 340.28 Moderate Sericite>> Patches of strong sericite alteration that typically occur as halos around healed fractures and calcite veins;

<<Alt: 334.55 - 338.6 Moderate Clay>> 10-40 cm subintervals with pervasive sandy clay development

<<Alt: 334.55 - 340.28 Weak Calcite>>

<<Vein: 333.44 - 334.55 3% Quartz-Carbonate>> Stockwork of calcite + quartz +/- pyrrhotite veins; forms vein breccia in sericite-altered interval of weakly sheared competent core that separates brittle faults on either side

<<Struc: 333.44 - 334.55 Weak Sheared 60 deg. >> Weakly sheared interval of lithic tuff separating two brittle faults

<<Struc: 334.55 - 338.6 Moderate fault 25 deg. >> Strongly to moderately fractured interval with pervasive development of sandy clay over 10-40 cm intervals

337.44 345.60 MNDR Monzodiorite salt + pepper MG

337.44 - 345.6: Broken and locally fault gouged; monzodiorite is similar to above interval, comprising plagioclase and minor K-feldspar phenocrysts in a plagioclase-hornblende (?) groundmass; locally strong alteration to sericite, in some places forming halos around calcite veins

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
337.44	339.29	1.85	S192209	4	39	2.9	0.09	6.2
339.29	340.12	0.83	S192211	2.6	34	4.62	0.09	4.1
340.12	342.20	2.08	S192212	1	30	4.9	0.06	2.2
342.20	343.97	1.77	S192213	-0.2	38	10.56	0.25	3

<<Min: 338 - 339.35 0.5% pyrite>> Several fracture planes with numerous pyrite crystals

<<Min: 339.35 - 385.77 0.1% pyrite>>

<<Alt: 340.28 - 346.6 Strong Sericite>> Patchy to pervasive replacement of faulted monzodiorite and lithic tuff with sericite + clay + calcite

From (m)	To (m)	Rocktype & Description

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
343.97	345.60	1.63	S192214	1.4	56	14.32	1.68	3
345.60	346.80	1.20	S192215	1.2	50	34.86	1.95	5.8
346.80	349.10	2.30	S192216	0.3	54	11.46	0.23	2.3
349.10	351.45	2.35	S192217	1.9	60	3.47	0.08	1.8
351.45	353.66	2.21	S192218	1.9	187	9.21	0.39	2.9

<<Alt: 340.28 - 346.6 Strong Clay>> Patchy to pervasive replacement of faulted monzodiorite and lithic tuff with sericite + clay + calcite

<<Alt: 340.28 - 347.02 Moderate Calcite>> Patchy to pervasive replacement of faulted monzodiorite with sericite + clay + calcite; also pervasive replacement of competent tuff interval with sericite + calcite

<<Vein: 340.82 - 340.94 20% Calcite 25 deg. >> Sheared calcite vein with halo with strong sericite alteration; true thickness of vein is 2 m, halo is 5 cm thick on either side; contacts are sharp; vein is interleaved with small lenses of host rock

<<Struc: 340.28 - 346.6 Strong fault 50 deg. >> Broken interval with two 2 m longer intervals of pervasive clay alteration and fault gouge development; angle TCA measured on sharp contact between fault gouge and competent monzodiorite

345.60 346.80 ANTF Andesitic tuff grey FG

345.6 - 346.8: Mostly fault gouge with minor broken/competent intervals; competent intervals are sericite altered and sheared; original texture difficult to discern but correlated with less deformed ANTF below this faulted interval

<<Alt: 346.6 - 347.02 Moderate Sericite>> Pervasive alteration of competent tuff interval to sericite and calcite

346.80 353.66 MNDR Monzodiorite salt + pepper MG

346.8 - 353.66: Broken and locally fault gouged; monzodiorite is similar to previous interval, comprising plagioclase and minor K-feldspar phenocrysts in a plagioclase-hornblende (?) groundmass; locally strong alteration to sericite

<<Alt: 347.02 - 347.67 Weak Clay>> Fault with 20 cm subinterval of sandy clay fault gouge

<<Alt: 347.02 - 350.42 Weak Sericite>> Developed along healed fractures in competent intervals; also occurs with clay in fault gouge

<<Alt: 347.02 - 350.42 Weak Calcite>>

<<Alt: 348 - 349.75 Weak Clay>> Long interval of broken core with minor development of sandy clay on fracture planes as well as a 10 cm interval of mostly sandy clay

<<Alt: 350.42 - 353.26 Moderate Clay>> Fault with sandy clay fault gouge developed over several 1-10 cm subintervals

<<Alt: 350.42 - 353.4 Moderate Sericite>> Patches of strong sericite alteration that typically occur as halos around healed fractures and calcite veins;

<<Alt: 350.42 - 353.66 Moderate Calcite>> As fine white powder coating fracture surfaces and in association with elevated sericite alteration

<<Alt: 353.4 - 353.86 Strong Sericite>> Near total replacement of monzodiorite with sericite at contact with underlying tuff

<<Vein: 349.75 - 350.42 0.5% Calcite 35 deg. >> Creamy white hairline veins with fairly regular orientation; occurs in competent core interval within fault zone

<<Vein: 353.4 - 354.92 5% Quartz-Carbonate 35 deg. >> Older generation of calcite + quartz shear veins, lying parallel to penetrative deformation fabric, and younger creamy white calcite veins that cut across fabric; associated with interval of strong calcite + sericite alteration and shearing

<<Struc: 347.02 - 347.67 Moderate fault 45 deg. >> Broken core with 20 cm subinterval of sandy clay fault gouge

From (m)	To (m)	Rocktype & Description

<<Struc: 348 - 349.75 Weak fault 45 deg. >> Long interval of broken core with minor development of sandy clay on fracture planes as well as a 10 cm interval of mostly sandy clay

<<Struc: 350.42 - 353.26 Moderate fault 50 deg. >> Strongly fractured interval with sandy clay fault gouge developed over several 1-10 cm subintervals

353.66 354.92 ANTF Andesitic tuff grey FG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
353.66	354.92	1.26	S192219	12.4	213	62.49	1.99	6.1

353.66 - 354.92: Weakly sheared and pervasively altered to calcite + sericite; correlated with more pristine lithic tuff underlying this faulted and altered interval

<<Alt: 353.66 - 354.92 Strong Calcite>> Overprints lithic tuff; modal abundance of calcite in this interval is ~50%

<<Alt: 353.86 - 354.28 Moderate Clay>> Fault with 5-10 cm of massive sandy clay fault gouge

<<Alt: 353.86 - 354.92 Moderate Sericite>> Significant replacement of lithic tuff with calcite + sericite

<<Struc: 353.66 - 353.67 contact 40 deg. >> Sharp contact between strongly sericite-altered monzodiorite and lithic tuff

<<Struc: 353.86 - 354.28 Moderate fault 45 deg. >> Finely broken interval with 5-10 cm of massive sandy clay fault gouge

<<Struc: 354.28 - 354.92 Moderate Sheared 35 deg. >> Weak to moderate penetrative fabric developed in competent core interval sandwiched between brittle fault and contact with underlying monzodiorite; fabric defined by calcite stringers and sericite

354.92 360.22 MNDR Monzodiorite salt + pepper MG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
354.92	356.75	1.83	S192220	1.5	30	1.55	0.06	0.4
356.75	358.50	1.75	S192221	1.7	23	2.3	0.05	0.4
358.50	360.22	1.72	S192222	3.2	46	10.23	0.05	1.1

354.92 - 360.22: Relatively unaltered and competent monzodiorite; light grey plagioclase phenocrysts are more abundant than the creamy white K-feldspar, but are also smaller with Kfs up to 5 mm in size and plagioclase up to 3 mm; groundmass consists of plagioclase and hornblende (?)

<<Alt: 354.92 - 360.95 Weak Calcite>>

<<Alt: 359.32 - 360.95 Moderate Sericite>> Within groundmass of both monzodiorite and underlying pyroxene-phyric andesite

<<Vein: 354.92 - 360.22 0.5% Calcite 55 deg. >> Scattered hairline to 2 mm thick white calcite veins

<<Struc: 354.92 - 354.93 contact 50 deg. >> Sharp contact between short tuff interval and underlying monzodiorite

360.22 366.85 APFW Pyroxene Andesite Porphyry Flow green FMG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
360.22	361.20	0.98	S192223	1.7	76	97.1	0.27	1.4
361.20	362.60	1.40	S192224	0.6	96	189.16	0.56	5.5
362.60	364.00	1.40	S192226	1	91	156.41	0.24	6.2
364.00	365.45	1.45	S192227	0.8	82	147.05	0.55	5.2
365.45	366.85	1.40	S192228	1.1	88	134.3	0.68	12.8

360.22 - 366.85: Dark green (chlorite?), stockwork veined, pyroxene-phyric andesite; texture is similar to more massive overlying intervals but rock is much greener and strongly veined

<<Alt: 360.96 - 366.85 Weak Sericite>> In hairline veins and bands of epidote + sericite

<<Alt: 360.96 - 366.85 Weak Haematite >> Mostly on the margins of calcite veins and on fracture planes

<<Alt: 360.96 - 366.85 Weak Epidote-Chlorite>> In hairline veins and bands of epidote + sericite

<<Alt: 360.96 - 366.85 Moderate Chlorite >> Pyroxene phyric andesite unit has distinct dark green colour that is interpreted as chloritic alteration

From (m) To (m) Rocktype & Description

<<Alt: 360.96 - 367.89 Moderate Calcite>> Stockwork of hairline veins and blebs in addition to calcite vein breccia over 5-10 cm intervals; also intergrown with clay and sericite in fault gouge

<<Vein: 360.22 - 366.55 10% Calcite 40 deg. >> Stockwork of white calcite veins, hairline veins and blebs that pass, in addition to numerous epidote + sericite hairline veins; stockwork locally passes into a vein breccia; contacts are sharp to gradational; angle TCA is more representative of the larger veins

<<Struc: 360.22 - 360.96 Weak breccia>> Weak to moderate clay + sericite alteration forming a weakly defined breccia; possibly a proto-fault?

366.85 369.20 MNDR Monzodiorite salt + pepper MG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
366.85	368.00	1.15	S192229	1.5	229	32.12	5.13	2.7
368.00	369.20	1.20	S192230	-0.2	287	49.06	3.58	3.7

366.85 - 369.2: Strongly faulted monzodiorite interval separating altered pyroxene andesite from underlying lithic tuff; nearly half this interval is totally altered to fault gouge; matrix is darker than usual, possibly biotite alteration?

<<Alt: 366.85 - 367.89 Strong Sericite>> Total replacement of monzodiorite protolith with fault gouge

<<Alt: 366.85 - 367.89 Strong Clay>> Total replacement of monzodiorite protolith with fault gouge

<<Alt: 367.89 - 369.2 Weak Sericite>> Increasing in abundance towards contact with tuff, which shows stronger sericite alteration

<<Alt: 367.89 - 369.2 Weak Clay>> Sandy clay on fracture planes

<<Alt: 367.89 - 369.2 Weak Calcite>>

<<Struc: 366.85 - 369.2 Strong fault 70 deg. >> Upper half of this interval shows near total replacement of monzodiorite protolith (?) with fault gouge; bottom half consists of broken rock with sandy clay on fracture planes

369.20 370.68 ANTF Andesitic tuff grey-green FG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
369.20	370.68	1.48	S192231	2.6	137	167.57	1.23	14.9

369.2 - 370.68: Pervasively sheared lithic tuff; foliation is defined by thin calcite- and sericite-rich bands; predominant orientation of calcite vein stockwork also parallel to foliation

<<Alt: 369.2 - 370.68 Moderate Sericite>> Bands of very strong calcite alteration alternating with calcite + sericite bands; these larger-scale bands and the crystal strings within it define the shear foliation

<<Alt: 369.2 - 370.68 Strong Calcite>> Bands of very strong calcite alteration alternating with calcite + sericite bands; these larger-scale bands and the crystal strings within it define the shear foliation

<<Vein: 369.2 - 370.68 10% Calcite 60 deg. >> Light grey to white calcite vein stockwork that cuts across penetrative deformation fabric; also some blebs (and disrupted veins?) that lie parallel to foliation; angle TCA is representative of the larger veins

<<Struc: 369.2 - 370.68 Moderate Sheared 20 deg. >> Pervasive foliation within interval of lithic tuff sandwiched by faulted monzodiorite

370.68 371.47 MNDR Monzodiorite salt + pepper MG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
370.68	371.47	0.79	S192232	3.7	95	18.16	0.5	12.2

370.68 - 371.47: Short interval of broken monzodiorite at the start of a 12 m interval with <10% RQD; sandwiched between sheared and more massive lithic tuff

<<Alt: 370.68 - 380.6 Weak Sericite>> Scattered patches of moderate to strong sericite alteration within long broken interval

<<Alt: 370.68 - 398.36 Weak Calcite>>

From (m)	To (m)	Rocktype & Description

371.47 383.25 ANTF Andesitic tuff dark grey FG

371.47 - 383.25: Extensively broken (average RQD <10%) with cobble-sized clasts of feldspar porphyry, pyroxene crystal tuff, andesite

<<Alt: 380.6 - 383.25 Moderate Sericite>> Associated with clay in fault gouge

<<Alt: 380.6 - 383.25 Strong Clay>> Moderate to strong fault gouge development

<<Vein: 371.47 - 371.58 40% Calcite 70 deg. >> Older light grey calcite shear vein associated with younger creamy calcite blebs; older vein lies parallel to deformation fabric

<<Vein: 380.5 - 381 5% Calcite 75 deg. >> Strongly fractured interval comprising tuff with light grey calcite vein; true thickness up to 1 cm; contacts are sharply defined

<<Struc: 372.86 - 383.25 Moderate fault 45 deg. >> Long broken interval with <10% RQD; upper part consists mostly of broken rock with little fault gouge; lower part, from 380.5-383.35 m, contains abundant fault gouge

383.25 388.22 APXT Pyroxene Andesite Crystal Tuff grey FG

383.25 - 388.22: Relatively massive; pyroxene crystals range from 1-3 mm in size, larger crystals are rounded; fine-grained matrix

<<Min: 385.77 - 386 1% pyrite>> On the margin of late, folded, quartz + calcite vein

<<Min: 386 - 398.37 0.1% pyrite>>

<<Alt: 383.25 - 386 Weak Sericite>>

<<Alt: 386 - 387.85 Strong Sericite>> Near total pervasive replacement of tuff matrix with sericite

<<Alt: 387.43 - 387.85 Weak Clay>> Sandy clay on fracture planes

<<Alt: 387.85 - 398.37 Weak Sericite>> Scattered patches of weak to moderate sericite alteration that are generally several meters in length

<<Vein: 383.25 - 383.95 10% Calcite 25 deg. >> Stockwork of calcite shear veins; larger veins contain shards of host tuff; mostly grey to white calcite with minor greyish quartz; sharp but irregular contacts; oriented both parallel to deformation fabric and discordant to it

<<Vein: 383.95 - 386 1% Quartz-Carbonate 20 deg. >> Scattered diffuse grey calcite veins; cut by larger discordant and folded quartz + calcite vein; overall vein abundances are fairly low

<<Vein: 386 - 387.85 3% Calcite 35 deg. >> Increased abundance on hairline calcite veins associated with increased sericite alteration; veins run discordant and concordant to foliation; angle TCA is most general orientation

<<Vein: 387.85 - 395.22 0.1% Quartz-Carbonate 15 deg. >> Scattered hairline and regular calcite +/- quartz veins; one of the larger veins in this stretch is a 6 mm thick calcite + quartz vein with minor amounts of pyrite

<<Struc: 383.25 - 387.43 Weak Sheared 30 deg. >> Moderate to weak penetrative deformation fabric defined by sericite-rich layers and elongate calcite crystal aggregates; bound on either side by fault gouge

<<Struc: 387.43 - 387.85 Weak fault 35 deg. >> Narrow interval of strongly fracture core with minor sandy clay

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
371.47	372.61	1.14	S192233	4.1	125	80.44	0.99	36.7
372.61	374.60	1.99	S192234	0.8	112	108.41	1.07	14.7
374.60	376.60	2.00	S192235	2.2	86	110.44	1.19	4.1
376.60	378.60	2.00	S192236	0.6	65	73.87	0.89	4.9
378.60	380.60	2.00	S192237	1	52	55.94	1.09	3.9
380.60	382.00	1.40	S192238	0.4	106	105.22	1.21	11.3
382.00	383.25	1.25	S192239	1.9	138	97.94	1.71	18.8
383.25	384.70	1.45	S192241	-0.2	151	47.47	0.34	16.9
384.70	386.00	1.30	S192242	0.3	167	56.32	0.57	27.9
386.00	387.08	1.08	S192243	1.4	179	59.06	3.52	47.4
387.08	388.22	1.14	S192244	-0.2	131	41.57	2.6	35

From (m)	To (m)	Rocktype & Description			
388.22	**394.16**	**ANTF**	**Andesitic tuff**	**dark grey**	**FG**
388.22 - 394.16: Sub-rounded to angular clasts within fine-grained locally sericite-altered matrix; clasts include feldspar porphyry and the same pyroxene crystal tuff that occurs on either side of this unit					
394.16	**398.37**	**APXT**	**Pyroxene Andesite Crystal Tuff**	**grey**	**FG**
394.16 - 398.37: Relatively massive; pyroxene crystals range from 1-3 mm in size, larger crystals are rounded; fine-grained matrix					
<<Vein: 395.22 - 395.34 50% Quartz-Carbonate 50 deg. >> Calcite shear vein associated with strongly sericite-altered host tuff; locally developed; grey calcite with brownish quartz; gradational contacts					
<<Struc: 395.22 - 395.34 Moderate Sheared 50 deg. >> Sheared calcite + quartz vein and host tuff developed over narrow interval and associated with strong sericite alteration					

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
388.22	390.18	1.96	S192246	-0.2	221	111.38	0.88	24.7
390.18	392.25	2.07	S192247	3.4	123	108.55	1.03	9.9
392.25	394.16	1.91	S192248	2.1	89	120.85	0.65	4.6
394.16	396.25	2.09	S192249	-0.2	189	130.67	0.67	6.7
396.25	398.37	2.12	S192251	-0.2	100	123.63	0.56	4

End of Hole @ 398.37

GeoSpark Logger ~ Drill Log

EQUITY | EXPLORATION CONSULTANTS LTD.

Project: Mt Milligan **Hole Number:** 15-1021

Prospect:	Snell	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ron Voordouw
Grid:	NAD83_Z10	Hole Diameter:		Survey By:	Thomas Branson	Date Logging Start:	18/10/2015
UTM Easting	430394	Core Size:	NQ	Azimuth:	0	Date Logging Complete:	22/10/2015
UTM Northing:	6112298	Casing Pulled?:	Yes	Dip:	-90	Drill Company:	LDS
UTM Elev. (m):	1101	Casing Depth (m):	10.97	Length (m):	401.42	Drill Rig:	Rig1
Local Easting:		Stored?:	Yes	Claims Title		Drill Started:	17/10/2015
Local Northing:		Cemented?:	No	Core Storage Loc.:		Drill Completed:	21/10/2015
Local Elev. (m):							

Comments:

This hole was designed to test the southern part of the Snell chargeability anomaly, which is here also coincident with high conductivity, a regional K anomaly and an As-Au-Mn-Mo-Pb-Tl-Zn geochemical anomaly.

Drilling collared into graphitic argillite at 11.0 m depth, which is interleaved with lithic and lapilli tuff to a depth of 139 m. From 139-214 m depth, rocks consist of interleaved monzonite (42%) and pyroxene-phyric andesite flows (58%). The remainder of the hole comprises a long stretch of andesite flows with minor monzodiorite, from 214-372 m, with lesser amounts of monzodiorite and monzonite (22%), followed by mostly monzodiorite from 372 to the EOH at 401 m depth. Two vein breccia units, oriented at just 10°-15° to core axis, occur between 339-342 m and 378-387 m.

Pyrite abundances in the upper 133 m of the hole average ~1% and range from trace amounts to 7% pyrite over 0.3 m of core length. Pyrite occurs within graphitic argillite beds and within pyrite ± calcite veins. From 133 to the end hole at 401 m depth, pyrite contents are mostly <0.5%. Exceptions include the upper parts of two monzonite intervals between 194.9-195.5 m and 204.6-205.0 m core depth, which host 1-2% pyrite. The core of the deeper vein breccia unit hosts 1% pyrrhotite. No copper-bearing sulphides were seen.

Pyroxene-phyric andesite flows show relatively strong chlorite + sericite alteration, to the point where many of the pyroxene phenocrysts are totally replaced with chlorite. There are also short intervals of more intense epidote + sericite +/- silica alteration, usually in association with calcite + quartz +/- pyrite veins. The breccia units are associated with pervasive silicification and sericitic alteration, as well as calcite + quartz veins.

Structural highlights include the two vein breccia zones at 339-342 m and 378-387 m depth, which also show strong penetrative deformation fabric, suggesting they were zones of both high fluid flow and ductile deformation. Brittle fracturing is notably less abundant in this hole compared to 15-1020, with peak concentrations between 225-250m and around 350 m depth.

The interleaved argillite and tuff unit in the upper 133 m of this drill hole is likely chargeable and conductive, possibly explaining the chargeability anomaly. Monzonite shows high magnetic susceptibility (up to 42 SI units) and could account for the coincident magnetic anomaly. Mobile XRF analysis and assays of argillite indicates it contains above detection limits for Mo, Pb and Zn, which are three of the elements comprising the geochemical anomaly.

Downhole Surveys:

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-90	0			Brunton	Ron Voordouw	17/10/2015		☑	
65.84	-88	41	18.4	59.4	ReflexEZS	LDS drilling	18/10/2015	5790	☑	
111.56	-88.2	45.8	18.4	64.2	ReflexEZS	LDS drilling	19/10/2015	5838	☑	
157.58	-88	54.8	18.4	73.2	ReflexEZS	LDS drilling	19/10/2015	5785	☑	
203.3	-88	51.7	18.4	70.1	ReflexEZS	LDS drilling	19/10/2015	5846	☑	
249.02	-88	62.9	18.4	81.3	ReflexEZS	LDS drilling	20/10/2015	5849	☑	
294.74	-87.1	235.3	18.4	253.7	ReflexEZS	LDS drilling	20/10/2015	2596	☐	Anomalous magnetics

GeoSpark Logger ~ Drill Log

Project: Mt Milligan **Hole Number:** 15-1021

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
340.46	-87.1	48.2	18.4	66.6	ReflexEZS	LDS drilling	21/10/2015	5835	✔	
401.42	-87.3	59.1	18.4	77.5	ReflexEZS	LDS drilling	21/10/2015	5819	✔	

From (m)	To (m)	Rocktype & Description

0.00 10.97 CASE Casing/Overburden

10.97 11.30 ARGC Calcareous graphitic argillite black FG

10.97 - 11.3: Short interval of relatively massive black graphitic argillite from the base of overburden to the start of underlying tuff unit

<<Min: 10.97 - 11.3 1% pyrite>> Hosted in hairline pyrite +/- calcite veins

11.30 13.46 ANTF Andesitic tuff grey FG

11.3 - 13.46: Clasts range from 0.1-10 cm in size; ratio of clasts to matrix is around 70:30: appears to be relatively strong calcite overprint; matrix includes pyrite stringers

<<Min: 11.3 - 13.46 3% pyrite>> Within the matrix and on fracture planes; appears to be associated with secondary calcite; possibly a pyrite-calcite mineralization/alteration event? Would be consistent with vein assemblage as well

<<Alt: 11.3 - 13.46 Weak Calcite>>

<<Struc: 11.3 - 11.31 contact 65 deg. >> Sharp contact between argillite and tuff

13.46 18.55 ARGC Calcareous graphitic argillite black FG

13.46 - 18.55: Relatively massive black argillite with clusters of pyrite grains in the matrix and pyrite +/- calcite veins; interbedded with calcareous argillite near the bottom and top of this interval

<<Min: 13.46 - 13.98 5% pyrite>> Mostly in calcite + quartz + pyrite veins; also as disseminated pyrite in calcareous beds

<<Min: 13.98 - 17.07 2% pyrite>> Massive black graphitic argillite cut by 1-2 mm thick calcite + quartz + pyrite veins, some of which comprise 50% pyrite

<<Min: 17.07 - 18.55 3% pyrite>> Finely disseminated crystals associated with fault gouge; also in calcite + quartz + pyrite veins

<<Vein: 13.46 - 18.55 2% Quartz-Carbonate-Sulphide 70 deg. >> Veins appear to be preferentially developed in argillite over tuff; two types of veins present include (1) calcite + pyrite (+quartz?) veins that are planar with sharp contacts and high angle TCA (70-80), (2) irregular hairline calcite veins at much lower angle TCA

<<Struc: 13.46 - 13.47 contact 70 deg. >> Sharp contact between argillite and tuff

<<Struc: 13.46 - 18.55 Weak Bedded 75 deg. >> 1-20 mm thick calcareous and graphitic argillite beds

<<Struc: 16.17 - 19.72 Weak fault 75 deg. >> Mostly broken rock with localized sandy clay and massive clay over 1-5 cm

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
10.97	13.46	2.49	S192252	-0.2	651	81.07	9.07	5
13.46	14.63	1.17	S192253	-0.2	167	65.15	33.35	11.3
14.63	16.00	1.37	S192254	-0.2	185	68.87	38.11	17.5
16.00	17.40	1.40	S192255	-0.2	211	57.58	4.58	11.4
17.40	18.55	1.15	S192256	-0.2	201	66.44	4.94	5.5

From (m)	To (m)	Rocktype & Description

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
18.55	19.15	0.60	S192257	-0.2	112	57.7	2.82	3
19.15	19.79	0.64	S192258	-0.2	123	61.9	6.72	8.3
19.79	21.25	1.46	S192259	1.1	89	67.88	2.1	1.6
21.25	23.06	1.81	S192260	-0.2	131	59.46	2.17	13.2
23.06	24.70	1.64	S192261	4.7	309	52.38	3.19	80.4

18.55 19.15 ANTF Andesitic tuff grey FMG

18.55 - 19.15: Lapilli are mostly 2-3 mm in diameter and are evenly distributed, thereby forming relatively massive texture; interbedded with rare and thin beds of calcareous graphitic argillite

<<Min: 18.55 - 19.15 1% pyrite>> On fracture planes and in scattered calcite + quartz + pyrite veins

<<Alt: 18.55 - 19.15 Weak Haematite >> Tuff has pinkish tint to it; could be hematite or Kfs - though weak nature of alteration suggests hematite more likely

<<Alt: 18.55 - 19.15 Weak Calcite>> Matrix partially replaced with calcite

19.15 19.79 ARGC Calcareous graphitic argillite dark grey FG

19.15 - 19.79: Interbedded graphitic and calcareous argillite; beds range form 1-20 mm thick; also contains 5 cm layer of lapilli tuff; in general, the tuff-argillite sequence in this hole shows even tighter interleaving than in drill hole 15-1020

<<Min: 19.15 - 19.79 5% pyrite>> Especially abundant with 5-10 cm subintervals of calcite + quartz stockwork veining; also on fracture planes

<<Vein: 19.15 - 19.79 3% Quartz-Carbonate-Sulphide 80 deg. >> Narrow interval of argillite with calcite + quartz + pyrite vein stockwork; larger veins again at relatively high angle TCA

<<Struc: 19.15 - 19.79 Moderate Bedded 60 deg. >> Thin alternations of calcareous and graphitic argillite

19.79 21.25 ANTF Andesitic tuff grey pink FMG

19.79 - 21.25: Pinkish grey to grey; same massive texture as above unit of lapilli tuff, but with a few subangular clasts as well; matrix is entirely altered to calcite; pinkish tint could be K-feldspar alteration? Hematite?

<<Min: 19.79 - 21.74 0.5% pyrite>> Interval of tuff where most pyrite is on fracture planes

<<Alt: 19.79 - 23.06 Weak Haematite >> Tuff has pinkish tint to it; could be hematite or Kfs - though weak nature of alteration suggests hematite more likely; includes tuff within ARGC unit that consists of interbedded tuff and argillite

<<Alt: 19.79 - 23.06 Weak Calcite>> Matrix partially replaced with calcite; includes tuff within ARGC unit that consists of interbedded tuff and argillite

<<Struc: 19.79 - 19.8 contact 80 deg. >> Sharp contact between argillite and tuff

21.25 23.06 ARGC Calcareous graphitic argillite dark grey FMG

21.25 - 23.06: Tightly interbedded graphitic argillite, calcareous argillite and lapilli tuff; split between tuff and argillite is 50:50; units are the same as those over- and underlying this tightly interleaved stretch

<<Min: 21.74 - 23.06 2% pyrite>> Associated with faulted gouge; also in finely interbedded tuff and argillite

<<Vein: 21.52 - 21.56 100% Carbonate-Sulphide 75 deg. >> Sheared in calcite + pyrite vein

<<Struc: 21.25 - 23.06 Moderate Bedded 65 deg. >> Interbedded tuff, calcareous argillite and graphitic argillite

<<Struc: 21.74 - 22.03 Moderate fault 55 deg. >> Moderate to strong pervasive alteration of tuff to clay

23.06 26.23 ANTF Andesitic tuff grey FMG

23.06 - 26.23: Strongly calcite and sericite altered lapilli tuff; original texture no longer visible; identification of protolith based on gross-scale similarity to less altered units

From (m)	To (m)	Rocktype & Description

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
24.70	26.23	1.53	S192262	0.5	485	54.89	2.62	15.9

<<Min: 23.06 - 23.75 1% pyrite>> On fracture planes and within scattered calcite + quartz veins

<<Min: 23.75 - 26.23 0.5% pyrite>> On fracture planes and within scattered calcite + quartz veins

<<Alt: 23.06 - 26.23 Moderate Calcite>> Near total replacement of matrix with calcite; partial textural destruction

<<Alt: 24.47 - 25.05 Weak Sericite>> Associated with clay in weakly developed fault gouge

<<Alt: 24.47 - 25.05 Weak Clay>> Forms weakly developed fault gouge

<<Struc: 23.06 - 23.07 contact 55 deg. >> Sharp contact between argillite and tuff

<<Struc: 24.47 - 25.05 Moderate fault 75 deg. >> Moderate to strong pervasive alteration of tuff to clay

26.23 26.78 ARGC Calcareous graphitic argillite black FG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
26.23	26.78	0.55	S192263	0.3	272	56.06	5.08	537.4

26.23 - 26.78: Interbedded calcareous and graphitic argillite with stockwork of calcite veins; this short interval of argillite separates two pervasively calcite + sericite altered intervals of lapilli tuff, suggesting that carbonitic fluids could flow pervasively through the tuff but formed veins within the argillite

<<Min: 26.23 - 26.78 4% pyrite>> Narrow interval of graphitic argillite with calcite + quartz + pyrite veins

<<Vein: 26.23 - 26.78 10% Calcite 55 deg. >> Markedly abundant calcite veins within a short argillitic interval contained within vein-free strongly calcite altered lapilli tuff; veins show irregular contacts and stockwork elements, with the larger veins generally oriented parallel to bedding

<<Struc: 26.23 - 26.78 Moderate Bedded 35 deg. >> Calcareous and graphitic argillite beds

26.78 32.30 ANTF Andesitic tuff grey FMG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
26.78	28.02	1.24	S192264	0.7	221	59.16	2.6	19
28.02	29.67	1.65	S192266	-0.2	139	59.98	3.72	26.6
29.67	30.99	1.32	S192267	-0.2	133	59.52	3.8	27.9
30.99	32.30	1.31	S192268	0.8	764	57.05	2.86	56.1

26.78 - 32.3: Strongly calcite and sericite altered lapilli tuff; pinkish tint suggests some K-feldspar intervals as well; strong clay alteration in fault zones; original texture more-or-less destroyed; identification based on nearby intervals that are less altered

<<Min: 26.78 - 27.29 1% pyrite>> Associated with weak clay alteration

<<Min: 27.29 - 28.02 0.5% pyrite>>

<<Min: 28.02 - 28.94 1% pyrite>> Associated with weak clay alteration

<<Min: 28.94 - 29.67 2% pyrite>> Abundant pyrite on fracture planes

<<Min: 29.67 - 31.28 0.5% pyrite>> Very small scattered crystals in fault gouge

<<Min: 31.28 - 31.68 2% pyrite>> Especially abundant within black clay breccia cutting tuff

<<Min: 31.68 - 32.3 0.5% pyrite>>

<<Alt: 26.78 - 32.3 Weak Sericite>>

<<Alt: 26.78 - 32.3 Moderate Calcite>> Weak to strong calcite alteration; strong calcite comprises near total replacement of lapilli tuff; moderate consists of pervasive matrix alteration and some textural destruction; weak is partial matrix alteration with good preservation of texture

<<Alt: 26.82 - 27.29 Moderate Clay>> Weak to strong clay alteration within fault

<<Alt: 28.02 - 32.8 Strong Clay>> Weak to near total replacement of argillite and tuff with fault gouge

<<Vein: 26.78 - 38.35 2% Quartz-Carbonate-Sulphide 30 deg. >> Fairly even distribution of calcite shear veins, blebs and deformed hairline veins within an extensive zone of faulting and calcite +/- clay alteration; extension veins and stockworks also occur; predominant mineralogy is calcite +/- pyrite +/- quartz

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251

<<Struc: 26.78 - 26.79 contact 30 deg. >> Sharp contact between short interval of veined argillite and strongly altered lapilli tuff on either side

<<Struc: 26.82 - 27.29 Moderate fault 55 deg. >> Moderate to strong pervasive alteration of tuff to clay

<<Struc: 28.02 - 32.8 Strong fault 75 deg. >> Long stretches of near total replacement of tuff by fault gouge

<<Struc: 31.28 - 31.68 Moderate breccia>> Black clay fault breccia developed within andesitic tuff; possibly developed on thin argillitic unit within clay?

32.30 33.45 ARGC Calcareous graphitic argillite dark grey FMG

From (m)	To (m)	Width	Sample	Au PPB	Ag PPB	Cu PPM	Mo PPM	As PPM
32.30	33.45	1.15	S192269	-0.2	384	56.41	1.58	17.5

32.3 - 33.45: Extensively fractured interbedded calcareous and graphitic argillite; medium-grained dark grey calcareous layers appear more abundant than massive black graphitic layers

<<Min: 32.3 - 37.45 2% pyrite>> Small crystals on fracture planes and in faulted gouge

<<Alt: 33.34 - 33.63 Weak Clay>> Minor sandy clay within weak fault zone

<<Struc: 32.3 - 33.63 Moderate Bedded 60 deg. >> Rhythmic alternations between calcareous and graphitic argillite, and in places thin beds of tuff as well

<<Struc: 33.34 - 33.63 Weak fault 75 deg. >> Strongly fractured rock with minor sandy clay

33.45 34.40 ANTF Andesitic tuff grey FMG

From (m)	To (m)	Width	Sample	Au PPB	Ag PPB	Cu PPM	Mo PPM	As PPM
33.45	34.40	0.95	S192270	0.4	149	58.13	1.66	8.6

33.45 - 34.4: Strongly calcite and weakly clay altered lapilli tuff; matrix is pervasively altered to calcite; weak to moderate textural destruction due to alteration

<<Alt: 33.45 - 34.4 Moderate Calcite>> Near total replacement of the matrix with calcite; notable textural destruction

34.40 35.00 ARGC Calcareous graphitic argillite dark grey FG

From (m)	To (m)	Width	Sample	Au PPB	Ag PPB	Cu PPM	Mo PPM	As PPM
34.40	35.00	0.60	S192271	-0.2	120	56.14	6.55	5

34.4 - 35: Heavily fractured interval of calcareous and graphitic argillite

<<Struc: 34.4 - 35 Moderate Bedded 80 deg. >> Rhythmic alternations between calcareous and graphitic argillite, and in places thin beds of tuff as well

35.00 36.12 ANTF Andesitic tuff grey FMG

From (m)	To (m)	Width	Sample	Au PPB	Ag PPB	Cu PPM	Mo PPM	As PPM
35.00	36.12	1.12	S192272	-0.2	82	60.7	2.7	3.8

35 - 36.12: Strongly calcite and weakly clay altered lapilli tuff; matrix is pervasively altered to calcite; weak to moderate textural destruction due to alteration

<<Alt: 35.5 - 37.7 Weak Clay>> Sandy clay on fracture planes

<<Struc: 35.5 - 38.4 Strong fault 75 deg. >> Heavily fractured interval that shows near total replacement of tuff to fault gouge from 37.7-38.3 m core depth

36.12 37.05 ARGC Calcareous graphitic argillite dark grey FG

From (m)	To (m)	Width	Sample	Au PPB	Ag PPB	Cu PPM	Mo PPM	As PPM
36.12	37.05	0.93	S192273	0.2	88	61.98	5.48	11.4

36.12 - 37.05: Fractured to faulted interbedded calcareous and graphitic argillite

<<Struc: 36.12 - 37.05 Moderate Bedded 85 deg. >> Rhythmic alternations between calcareous and graphitic argillite, and in places thin beds of tuff as well

From (m)	To (m)	Rocktype & Description

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
37.05	38.35	1.30	S192274	-0.2	80	59.37	2.84	3.6
38.35	39.11	0.76	S192275	-0.2	151	50.89	2.65	5.9
39.11	40.56	1.45	S192276	0.9	65	95.76	2.2	4.5
40.56	42.29	1.73	S192277	1.2	97	61.34	3.41	4.5
42.29	43.60	1.31	S192278	-0.2	389	69.99	3.38	4.3

37.05 38.35 ANTF Andesitic tuff grey FMG

37.05 - 38.35: Strongly broken lapilli tuff, nearly 1 m of which is totally altered to clay fault gouge

<<Min: 37.45 - 38.45 3% pyrite>> Small crystals on fracture planes and in faulted gouge

<<Alt: 37.05 - 38.35 Moderate Calcite>> Near total replacement of the matrix with calcite; notable textural destruction

<<Alt: 37.7 - 38.3 Strong Clay>> Fault gouge marked by near total replacement of tuffaceous protolith with clay

38.35 39.11 ARGC Calcareous graphitic argillite dark grey FMG

38.35 - 39.11: Finely interbedded interval of significantly more competent core; beds range from 1-20 mm thick and consist of calcareous and graphitic argillite

<<Min: 38.45 - 39.11 1% pyrite>> Narrow interval of argillite with pyrite-bearing shear veins; also on fracture planes

<<Vein: 38.35 - 39.11 5% Quartz-Carbonate-Sulphide 70 deg. >> Narrow interval of graphitic argillite with shear and extension veins; as noted previously, carbonic fluids appear to pervasively alter tuff and form veins in argillite; angle TCA is for the shear veins

<<Struc: 38.35 - 39.11 Moderate Bedded 65 deg. >> Rhythmic alternations between calcareous and graphitic argillite, and in places thin beds of tuff as well

<<Struc: 38.72 - 38.99 Weak fault 75 deg. >> Strongly fractured interval with 10 cm of sandy clay with rock shards

39.11 42.29 ANTF Andesitic tuff grey pink FMG

39.11 - 42.29: Even size distribution of lapilli between 1-3 mm; occasional volcanic clasts and numerous angular argillitic inclusions near the contact with overlying argillite; weak pink colour probably related to hematite dusting, which becomes notably stronger in a ~1 m long stretch that is also marked by calcite amygdules up to 1 cm in diameter; matrix is pervasively altered to calcite

<<Min: 39.11 - 42.29 0.5% pyrite>> Hosted in pyrite + calcite veins, with some containing 75% pyrite

<<Alt: 39.11 - 39.89 Weak Haematite >> Tuff shows a slight pinkish tint that is here ascribed to hematite; could be Kfs but would be out of context?

<<Alt: 39.11 - 42.29 Moderate Calcite>> Pervasive replacement of tuff matrix with calcite

<<Alt: 39.89 - 40.5 Moderate Haematite >> Reddish tuff with calcite amygdules; red tint could also be due to Kfs but would be out of context?

<<Alt: 40.5 - 42.29 Weak Haematite >> Tuff shows a slight pinkish tint that is here ascribed to hematite; could be Kfs but would be out of context?

<<Vein: 39.11 - 45.92 1% Quartz-Carbonate-Sulphide 70 deg. >> Scattered calcite + quartz + pyrite veins, hairline calcite veins and calcite blebs

<<Struc: 39.11 - 39.12 contact 65 deg. >> Sharp contact between tuff and argillite

42.29 46.84 ARGC Calcareous graphitic argillite dark grey FG

42.29 - 46.84: Interval of competent, broken and locally faulted argillite; competent intervals show finely interbedded calcareous and graphitic argillite, with layers ranging from 1-5 mm in thickness; thicker beds (1-10 cm) of both argillite types, as well as tuff, are also found; faulted intervals are pervasively altered to black clay

From (m)	To (m)	Rocktype & Description

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
43.60	45.20	1.60	S192279	-0.2	432	71.59	11.19	27.9
45.20	46.84	1.64	S192281	-0.2	338	67.89	18.67	13.2

<<Min: 42.29 - 46.84 1% pyrite>> Finely disseminated within argillite; also in calcite + pyrite veins

<<Alt: 43.66 - 44.2 Strong Clay>> Near total replacement of graphitic argillite by clay fault gouge

<<Alt: 46.68 - 46.84 Moderate Clay>> Pervasive alteration of argillite to black clay in fault gouge localized at argillite-tuff contact

<<Vein: 45.92 - 47.31 2% Calcite 80 deg. >> Increased abundance of regular veins, hairline veins and blebs on either side of a massive shear vein

<<Struc: 42.29 - 42.3 contact 70 deg. >> Sharp contact between tuff and argillite

<<Struc: 42.29 - 46.84 Moderate Bedded 55 deg. >> Rhythmic alternations between calcareous and graphitic argillite, and in places thin beds of tuff as well

<<Struc: 43.66 - 44.2 Strong fault 60 deg. >> Near total replacement of argillite with fault gouge

<<Struc: 46.68 - 46.84 Moderate fault 75 deg. >> Moderately well-developed fault gouge at contact between argillite and tuff

46.84 47.52 ANTF Andesitic tuff grey FMG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
46.84	47.52	0.68	S192282	-0.2	212	47.68	1.92	4.6

46.84 - 47.52: Short interval of strongly calcite and weakly clay altered tuff

<<Min: 46.84 - 48.02 2% pyrite>> Finely disseminated in both argillite and tuff; also on fracture planes

<<Alt: 46.84 - 47.52 Strong Calcite>> Total replacement of matrix with calcite; significant textural destruction; calcite shear veins

<<Vein: 47.31 - 47.37 80% Quartz-Carbonate-Sulphide 55 deg. >> Calcite + quartz + pyrite shear vein with lenses of host andesitic tuff

<<Vein: 47.37 - 47.52 10% Calcite 55 deg. >> Stockwork of hairline veins immediately below shear vein

<<Struc: 46.84 - 46.85 contact 75 deg. >> Sharp contact between tuff and argillite

47.52 48.35 ARGC Calcareous graphitic argillite black FG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
47.52	48.70	1.18	S192283	0.5	513	79.26	5.9	72.8

47.52 - 48.35: Extensively broken interval of relatively massive black argillite

<<Min: 48.02 - 48.35 3% pyrite>> Heavily fractured interval with abundant pyrite on fracture planes

<<Alt: 47.52 - 49.1 Weak Clay>> Sandy clay on fracture surfaces in extensive broken interval

<<Alt: 47.52 - 58.4 Moderate Calcite>> Pervasive alteration of the groundmass to calcite; also as blebs, hairline veins and, least abundantly, shear veins

<<Vein: 47.52 - 54.81 0.5% Quartz-Carbonate 35 deg. >> Scattered veins, hairline veins and blebs consisting of calcite +/- quartz +/- pyrite

<<Struc: 47.52 - 47.53 contact 65 deg. >> Sharp contact between tuff and argillite

<<Struc: 47.52 - 49.92 Strong fault 80 deg. >> Strongly fractured interval with fault gouge from 49.10-49.45

48.35 58.50 ANTF Andesitic tuff grey-green FG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
48.70	49.92	1.22	S192284	1.4	105	97.54	2.25	3.6

48.35 - 58.5: Broken to strongly faulted; relatively wide range of colours that include greenish-grey, brown, dark grey (argillite fault gouge?), dark reddish brown; extensive clay and calcite alteration; lithic clasts include crystal tuff wit amygdules

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
49.92	51.29	1.37	S192286	3.6	86	134.11	0.84	6.6
51.29	52.57	1.28	S192287	2.7	95	122.65	0.71	10.8
52.57	54.10	1.53	S192288	0.5	151	85.78	10.75	19.5
54.10	55.55	1.45	S192289	0.6	104	93.37	1.59	4.3
55.55	57.00	1.45	S192291	2.8	58	42.28	0.39	3.8
57.00	58.50	1.50	S192292	0.6	267	72.04	2.56	36.5
58.50	58.91	0.41	S192293	-0.2	366	82.24	4.99	3.8
58.91	59.76	0.85	S192294	0.4	257	89.5	6.64	4.2

From (m) To (m) Rocktype & Description

<<Min: 48.35 - 49.45 1% pyrite>> Fractured interval with finely disseminated pyrite on fracture surfaces

<<Min: 49.45 - 52.57 0.1% pyrite>>

<<Min: 52.57 - 54.4 1% pyrite>> Finely disseminated in fault gouge and on fracture planes

<<Min: 54.4 - 54.73 3% pyrite>> Finely disseminated in fault gouge and on fracture planes

<<Min: 54.73 - 58.5 0.1% pyrite>>

<<Alt: 49.1 - 49.45 Strong Clay>> Total replacement of andesitic tuff with brown clay

<<Alt: 49.45 - 52.57 Weak Clay>> Weak clay alteration in competent tuff

<<Alt: 49.92 - 52.57 Weak Sericite>> Altered tuff has distinct light greenish tint to it that is interpreted as very fine sericite + epidote intergrowth

<<Alt: 49.92 - 52.57 Weak Epidote-Chlorite>> Altered tuff has distinct light greenish tint to it that is interpreted as very fine sericite + epidote intergrowth

<<Alt: 52.57 - 53.64 Strong Clay>> Near total replacement of lithic tuff with clay fault gouge

<<Alt: 52.57 - 59.76 Weak Haematite >> Rocks have a distinct reddish tint that is interpreted as hematite alteration

<<Alt: 53.64 - 58 Moderate Clay>> 10-20 cm of massive sandy clay that alternate with longer stretches of broken rock with sandy clay on the surfaces

<<Alt: 58 - 58.4 Strong Clay>> Near total replacement of lithic tuff with clay fault gouge

<<Alt: 58.4 - 71.9 Weak Calcite>>

<<Vein: 54.81 - 54.92 70% Quartz-Carbonate 30 deg. >> Calcite + quartz vein breccia with inclusions of lithic tuff

<<Vein: 54.92 - 62.79 0.5% Quartz-Carbonate 40 deg. >> Scattered veins, hairline veins and blebs consisting of calcite +/- quartz +/- pyrite

<<Struc: 52.57 - 58.4 Strong fault 60 deg. >> Strongly fractured interval with several intervals consisting only of fault gouge

58.50 58.80 MVHD Monzonite Volcanic Hybrid brown FG

58.5 - 58.8: Very dark brown monzonite (?) dyke; monzonite apophasis extends into calcite + quartz + pyrite vein; hosts very fine to chunky pyrite crystals

<<Min: 58.5 - 58.8 7% pyrite>> Finely disseminated aggregates and clusters of subhedral grains up to 1 mm in size

<<Struc: 58.5 - 58.51 contact 30 deg. >> Sharp contact between monzonite and lithic tuff

58.80 59.76 ANTF Andesitic tuff grey pink FMG

58.8 - 59.76: Reddish grey lithic tuff with subangular clasts ranging from 0.5-3 cm in size; most clasts are fine-grained and in total, comprise 50-60% of the tuff

<<Min: 58.8 - 62.79 0.1% pyrite>>

<<Struc: 58.8 - 58.81 contact 55 deg. >> Sharp contact between monzonite and lithic tuff

From (m)	To (m)	Rocktype & Description

59.76 67.45 LTTF Latitic tuff brown FG

59.76 - 67.45: Dark reddish-brown to greenish-brown; fairly evenly distributed and subequal amounts of plagioclase and K-feldspar phenocrysts; rare and scattered inclusions of crystal tuff, suggesting some relationship to enveloping lithic tuff

<<Min: 62.79 - 62.94 0.5% pyrite>> In extensional calcite + quartz vein

<<Min: 62.94 - 75.1 0.1% pyrite>>

<<Alt: 60.26 - 60.6 Weak Clay>> Very weak development of sandy clay on fracture surfaces

<<Alt: 61.36 - 64.58 Weak Clay>> Competent tuff with weak to strongly pervasive clay alteration that locally forms proto-fault (?) breccia; bands of strong alteration are no more than 1 cm in width

<<Alt: 61.79 - 62.79 Weak Haematite >> Slight reddish tint to lattic tuff; could also be K-feldspar

<<Alt: 62.79 - 63.52 Weak Sericite>> Patches of light greenish beige alteration with reddish tuff

<<Alt: 64.58 - 66.4 Moderate Clay>> Moderate to strong clay alteration in competent core, forming proto-fault breccia

<<Alt: 66.76 - 69.24 Moderate Clay>> Moderate to strong clay alteration in competent core

<<Vein: 62.79 - 62.94 10% Quartz-Carbonate-Sulphide 25 deg. >> Calcite + quartz + pyrite extension vein, showing pull-apart step filled with vein and wall rock material

<<Vein: 62.94 - 71.93 0.5% Quartz-Carbonate 50 deg. >> Scattered veins, hairline veins and blebs consisting of calcite +/- quartz +/- pyrite

<<Struc: 60.26 - 60.6 Weak fault 75 deg. >> Fractured interval with weak development of sandy clay

<<Struc: 61.36 - 66.4 Moderate fault 20 deg. >> Unsure about angle TCA, possibly not representative; weak to strong pervasive clay development; weak fracturing

<<Struc: 66.76 - 69.24 Moderate fault 70 deg. >> Weak to moderate development of in situ fault breccia; weak to moderate pervasive clay alteration; weak fracturing

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
59.76	61.36	1.60	S192295	-0.2	64	68.32	0.63	2.3
61.36	62.79	1.43	S192296	0.7	61	69.78	0.71	3.5
62.79	64.28	1.49	S192297	1.7	96	101.47	0.43	3
64.28	65.84	1.56	S192298	1.7	78	73.16	0.58	3.2
65.84	67.45	1.61	S192299	0.4	70	65.1	0.47	2.2

67.45 75.10 ANTF Andesitic tuff grey pink FMG

67.45 - 75.1: Reddish grey, competent to fault gouged, lithic tuff; clasts range from 1-30 cm in size with the largest typically comprising a distinct plagioclase crystal tuff; reddish tint possibly indicative of hematite dusting but could also be K-feldspar alteration

<<Alt: 69.24 - 73.25 Moderate Haematite >> Strong reddish tint to lithic tuff; suggestive of either extensive hematite dusting or K-feldspar alteration

<<Alt: 70.4 - 71.45 Moderate Clay>> Moderate to strong clay alteration in competent core

<<Alt: 71.9 - 73.17 Strong Calcite>> Matrix in clay and calcite vein breccia

<<Alt: 73.17 - 75.1 Moderate Calcite>> Weak pervasive calcite alteration with patches of strong alteration

<<Alt: 73.25 - 75.1 Weak Sericite>> Patches of moderate to strong sericite alteration forming halos around calcite shear veins

<<Alt: 74.2 - 82.8 Weak Clay>> Scarce sandy clay within this strongly fractured fault zone

<<Vein: 71.93 - 73.17 20% Calcite>> Calcite vein breccia, comprising light grey diffuse calcite with inclusions of lithic tuff; vein breccia appears to be older than a series of white shear veins, which overlap with this interval

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
67.45	68.88	1.43	S192300	-0.2	78	56.15	1.27	10.9
68.88	70.40	1.52	S192301	-0.2	87	90.99	3.55	4.3
70.40	71.93	1.53	S192302	0.9	131	147.29	1.3	2.7
71.93	73.55	1.62	S192303	1.3	143	153.53	0.63	3.8
73.55	75.10	1.55	S192304	0.8	139	162.56	0.87	9.5

From (m) To (m) Rocktype & Description

<<Vein: 72.95 - 75.1 2% Quartz-Carbonate 75 deg. >> Scattered shear veins with lenses of wall rock and sericite alteration halos

<<Struc: 70.4 - 71.45 Weak fault 65 deg. >> Weak pervasive clay development; weak fracturing

<<Struc: 72.7 - 73.17 Weak breccia>> Xenoliths of lithic tuff within clay and calcite vein breccia

<<Struc: 72.7 - 82.8 Moderate fault 45 deg. >> Long interval of strongly fractured core, local development of sandy clay and fault gouge over 10-150 cm

75.10 92.68 ARGC Calcareous graphitic argillite dark grey FMG

75.1 - 92.68: Thinly interbedded calcareous argillite and graphitic argillite

<<Min: 75.1 - 79.9 2% pyrite>> Long interval of broken argillite with fragments of calcite + quartz + pyrite veins; most pyrite occurs in this veins or on fractured vein planes

<<Min: 79.9 - 80.85 1% pyrite>> Lower proportion of pyrite associated with lower proportion of veining

<<Min: 80.85 - 81.6 2% pyrite>> Mostly in calcite + quartz + pyrite veins and on vein fracture planes

<<Min: 81.6 - 83.5 1% pyrite>> Less abundant calcite + quartz + pyrite veins and on vein fracture planes

<<Min: 83.5 - 83.98 2% pyrite>> Mostly in calcite + quartz + pyrite veins and on vein fracture planes

<<Min: 83.98 - 84.51 1% pyrite>> Less abundant calcite + quartz + pyrite veins and on vein fracture planes

<<Min: 84.51 - 84.76 2% pyrite>> Mostly in calcite + quartz + pyrite veins and on vein fracture planes

<<Min: 84.76 - 85.7 1% pyrite>> Less abundant calcite + quartz + pyrite veins and on vein fracture planes

<<Min: 85.7 - 86.65 2% pyrite>> Strongly fractured interval with vein material and pyrite on fracture planes

<<Min: 86.65 - 87.55 1% pyrite>> Less abundant calcite + quartz + pyrite veins and on vein fracture planes

<<Min: 87.55 - 88 2% pyrite>> Mostly in calcite + quartz + pyrite veins and on vein fracture planes

<<Min: 88 - 90 1% pyrite>> Less abundant calcite + quartz + pyrite veins and on vein fracture planes

<<Min: 90 - 92.3 0.1% pyrite>> Trace pyrite in goopy fault gouge

<<Min: 92.3 - 92.68 1% pyrite>> Finely disseminated within basalt part of argillite

<<Alt: 84.76 - 87.55 Weak Clay>> Strongly fractured interval with 1-5 cm stretches consisting mostly of sandy clay

<<Alt: 88 - 89.12 Moderate Clay>> More competent structure but with several 1-5 cm intervals of massive sandy clay

<<Alt: 90 - 92.3 Strong Clay>> Complete disintegration of argillite into black clay fault gouge

<<Vein: 75.1 - 79.9 1% Calcite 85 deg. >> Scattered veins, hairline veins and blebs consisting of calcite +/- quartz +/- pyrite

<<Vein: 79.9 - 80.85 0.1% Calcite 20 deg. >> Relatively low proportion of calcite veins

<<Vein: 80.85 - 81.6 2% Quartz-Carbonate-Sulphide 20 deg. >> Broken, discontinuous, calcite + quartz + pyrite vein stockwork and thin intervals of vein breccia; veins are offset along numerous microfractures; breccia includes angular fragments of wall rock and is just 2 cm thick

<<Vein: 81.6 - 83.5 0.1% Calcite 20 deg. >> Mostly just scattered hairline calcite veins

<<Vein: 83.5 - 83.98 3% Quartz-Carbonate-Sulphide 50 deg. >> Similar stockwork to 80.85-81.6 m depth; angle TCA measured on different preferred orientation but low angle TCA veins are also present

<<Vein: 83.98 - 84.51 0.1% Calcite 20 deg. >> Mostly just scattered hairline calcite veins

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
75.10	77.00	1.90	S192306	-0.2	119	110.76	2.2	12.8
77.00	79.00	2.00	S192307	0.3	146	105.29	5.46	2.8
79.00	80.85	1.85	S192308	-0.2	253	112.52	5.95	51.5
80.85	82.80	1.95	S192309	-0.2	278	114.06	3.81	10.1
82.80	84.76	1.96	S192310	-0.2	123	110.92	5.38	7.4
84.76	87.00	2.24	S192311	-0.2	413	110.6	8.15	10.2
87.00	88.50	1.50	S192312	-0.2	200	113.74	1.99	9.3
88.50	90.00	1.50	S192313	-0.2	231	113.88	2.51	6.9
90.00	92.68	2.68	S192314	-0.2	1441	136.42	1.88	8.4

From (m)	To (m)	Rocktype & Description

<<Vein: 84.51 - 84.76 10% Quartz-Carbonate-Sulphide 65 deg. >> Same kind of calcite + quartz + pyrite stockwork

<<Vein: 84.76 - 89.12 1% Calcite 10 deg. >> Slightly higher abundance of white calcite extension veins/blebs, hairline veins and blebs; angle TCA measured on extension blebs

<<Vein: 89.12 - 90 2% Calcite 55 deg. >> Relatively competent interval of core with notably high proportion of discontinuous calcite hairline veinlets; average length probably 1-5 cm

<<Struc: 75.1 - 75.11 contact 50 deg. >> Bedding parallel contact between argillite and tuff

<<Struc: 75.1 - 92.68 Moderate Bedded 55 deg. >> Fine rhythmic alternations between graphitic and slightly more calcareous argillite

<<Struc: 84.76 - 87.55 Moderate fault 65 deg. >> Very strongly fractured interval, including a stretch consisting only of rounded pebbles; also some sandy clay

<<Struc: 88 - 89.12 Moderate fault 70 deg. >> More competent structure but with several 1-5 cm intervals of massive sandy clay

<<Struc: 90 - 92.3 Strong fault 70 deg. >> Only clay fault gouge from 90.8-92.3 m depth; the most strongly developed gouge seen on the project to date; more "competent" interval consists of sandy clay with small shards of argillite

92.68 124.60 APFW Pyroxene Andesite Porphyry Flow grey-green FMG

92.68 - 124.6: Distinctly grey-green, pyroxene- and plagioclase-phyric, relatively massive andesite flow; subintervals show stronger epidote + sericite alteration, often in association with calcite veins

<<Min: 92.68 - 94.76 0.1% pyrite>>

<<Min: 94.76 - 94.94 0.5% pyrite>> Hosted in calcite + quartz vein

<<Min: 94.94 - 126 0.1% pyrite>>

<<Alt: 93.5 - 124.45 Weak Chlorite >> Distinctly green color to most of this pyroxene flow unit except for the upper- and lower-most parts, which appear to be overprinted by graphite and hematite respectively

<<Alt: 94.76 - 94.94 Moderate Calcite>> Shear calcite vein with numerous hairline veins that branch off it

<<Alt: 96.56 - 97 Strong Calcite>> Diffuse aggregates of grey calcite flooding

<<Alt: 96.56 - 97 Moderate Haematite >> Markedly reddish groundmass

<<Alt: 96.56 - 97 Moderate Sericite>> Scattered patches of greenish sericite; strongest alteration occurs adjacent to diffuse calcite floods

<<Alt: 98.2 - 102.56 Moderate Calcite>> Scattered diffuse grey calcite floods

<<Alt: 98.2 - 102.56 Weak Epidote-Chlorite>> Possibly some weak patchy epidote as saussurite

<<Alt: 98.2 - 102.56 Moderate Sericite>> Weak to strongly pervasive greenish to beige sericite alteration

<<Alt: 102.56 - 103.63 Weak Sericite>> Short interval with just one 5 cm patch of moderate sericite alteration

<<Alt: 103.63 - 104.41 Moderate Calcite>> Scattered diffuse grey calcite floods

<<Alt: 103.63 - 104.41 Moderate Sericite>> Associated with calcite flooding

<<Alt: 104.41 - 110.6 Weak Sericite>> Scattered patches of greyish green sericite (+ saussurite?) alteration

<<Alt: 104.41 - 111.9 Weak Epidote-Chlorite>> Scattered patches of greyish green sericite (+ saussurite?) alteration

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
92.68	94.50	1.82	S192315	0.4	145	151.97	1.47	10.7
94.50	96.33	1.83	S192316	1.1	107	158.8	0.43	9.4
96.33	98.20	1.87	S192317	4.2	130	176.67	0.65	5
98.20	99.67	1.47	S192318	1.6	92	161.6	0.62	3.9
99.67	101.25	1.58	S192319	0.5	65	142.46	0.51	4.2
101.25	102.56	1.31	S192321	-0.2	151	241.4	0.57	2.5
102.56	104.41	1.85	S192322	1.1	115	181.8	0.88	2
104.41	106.45	2.04	S192323	-0.2	107	192.95	0.67	4.2
106.45	108.53	2.08	S192324	-0.2	88	176.48	0.32	3.1
108.53	110.60	2.07	S192326	2.7	85	177.58	0.33	0.6
110.60	111.90	1.30	S192327	-0.2	61	124.83	0.83	0.4
111.90	113.47	1.57	S192328	1	97	165.9	0.41	1.6
113.47	115.22	1.75	S192329	-0.2	102	200.05	0.22	0.5
115.22	116.79	1.57	S192331	-0.2	73	162.8	0.31	0.8
116.79	118.26	1.47	S192332	1	90	173.15	0.23	0.6
118.26	120.00	1.74	S192333	-0.2	110	227.33	0.49	1.3
120.00	122.30	2.30	S192334	-0.2	83	161.23	0.5	0.5

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
		<<Alt: 110.6 - 111.9 Moderate Sericite>> Pervasive sericite with patches of strong sericite + epidote alteration typically (though not always) in association with calcite +/- quartz veins	122.30	124.60	2.30	S192335	-0.2	87	167.74	0.7	3
		<<Alt: 110.6 - 111.9 Moderate Calcite>> Weak to moderately pervasive calcite along with strong calcite flooding over 1-5 cm intervals									
		<<Alt: 111.9 - 115.22 Weak Sericite>> Scattered and rare 1-5 cm patches of moderate to strong sericite alteration									
		<<Alt: 115.22 - 116.79 Weak Epidote-Chlorite>> Associated with patches of sericite alteration									
		<<Alt: 115.22 - 116.79 Moderate Sericite>> Increase in size and frequency of sericite alteration patches, which typically occur with epidote and calcite veining/flooding									
		<<Alt: 118.26 - 119.98 Moderate Epidote-Chlorite>> Interval with 5-40 cm intervals of moderate to strong sericite + epidote alteration									
		<<Alt: 118.26 - 119.98 Moderate Sericite>> Interval with 5-40 cm intervals of moderate to strong sericite + epidote alteration									
		<<Alt: 118.26 - 119.98 Moderate Silicification >> In association with patches of sericite and epidote alteration									
		<<Alt: 119.98 - 124.45 Weak Haematite >> Mostly on the margins of quartz + calcite veins and on fracture planes									
		<<Alt: 119.98 - 124.45 Weak Sericite>> Scattered and scarce 1-5 cm wide patches of moderate to strong sericite alteration; also some scattered sericite-rich hairline veins									
		<<Alt: 124.3 - 124.6 Moderate Haematite >> Notable hematite alteration at contact between pyroxene-phyric flow and graphitic argillite									
		<<Alt: 124.3 - 124.6 Moderate Calcite>> Weak to moderately pervasive and as numerous blebs and hairline veins; alteration focussed at contact between pyroxene-phyric flow and argillite									
		<<Vein: 92.68 - 94.76 0.1% Quartz-Carbonate 65 deg. >> Scattered hairline calcite and calcite + quartz veins; angle TCA taken on quartz + calcite vein									
		<<Vein: 94.76 - 94.94 10% Quartz-Carbonate-Sulphide 25 deg. >> Shear calcite vein numerous branching hairline veins at 90 degrees TCA; shear vein consists of calcite + quartz with a few scattered flattened pyrite lenses									
		<<Vein: 94.94 - 96.56 0.1% Calcite 20 deg. >> Scattered hairline and regular calcite +/- quartz veins; angle TCA measured on hairline vein									
		<<Vein: 96.56 - 97 10% Calcite 65 deg. >> Diffuse grey calcite veins or floods; contacts are gradational; distinct from all other types of calcite vein observed so far									
		<<Vein: 97 - 98.2 0.5% Calcite 25 deg. >> Randomly oriented hairline calcite veins; angle TCA is more representative orientation									
		<<Vein: 98.2 - 99.99 10% Calcite 55 deg. >> Diffuse grey calcite veins and creamy white calcite vein breccia; associated with interval of relatively strong sericite +/- epidote alteration									
		<<Vein: 99.99 - 101.32 1% Quartz-Carbonate-Sulphide 15 deg. >> Scattered calcite + quartz + pyrite veins, calcite + sericite veins and hairline calcite veins in otherwise pervasively sericite-altered host rock; angle TCA taken on calcite + quartz + pyrite vein									
		<<Vein: 101.32 - 101.45 30% Quartz-Carbonate-Sulphide 15 deg. >> Calcite shear vein with minor quartz and pyrite; true thickness of 2 cm									
		<<Vein: 101.45 - 102.56 1% Quartz-Carbonate-Sulphide 70 deg. >> Scattered yellow calcite + quartz + trace pyrite veins, sericite-rich hairline veins and calcite hairline veins; angle TCA taken on quartz + calcite vein									
		<<Vein: 102.56 - 103.63 0.1% Calcite 10 deg. >> Scattered calcite and sericite-rich hairline veins									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251

<<Vein: 103.63 - 104.41 2% Calcite 30 deg. >> Stockwork of calcite hairline veins and blebs associated with sericite alteration

<<Vein: 104.41 - 110.6 1% Quartz-Carbonate 30 deg. >> Scattered diffuse grey calcite veins, calcite + quartz +/- pyrite veins and hairline calcite veins; increased veining typically associated with increased alteration; also some sericite rich veins; angle TCA taken on planar calcite + quartz vein

<<Vein: 110.6 - 111.9 10% Calcite 35 deg. >> Diffuse grey calcite veins/floods and creamy white to white calcite veins and vein breccia; associated with increased sericite alteration in the groundmass; angle TCA measured on grey calcite flood

<<Vein: 111.9 - 115.22 1% Quartz-Carbonate 60 deg. >> Shear veins, normal calcite + quartz veins and hairline calcite veins within less altered subinterval; shear vein consists of calcite + quartz and trace pyrite; regular calcite + quartz veins contain no pyrite; angle TCA taken on shear vein

<<Vein: 115.22 - 116.79 3% Quartz-Carbonate 30 deg. >> Increase in calcite + quartz veins associated with increased sericite alteration

<<Vein: 116.79 - 118.26 0.1% Calcite 10 deg. >> Scattered hairline calcite and sericite-rich veins

<<Vein: 118.26 - 119.98 2% Quartz-Carbonate 30 deg. >> Calcite + quartz veins associated with patches of pervasive sericite + epidote + silica alteration; also a white calcite + minor grey quartz shear vein

<<Vein: 119.98 - 124.3 1% Calcite 80 deg. >> Variety of vein types that include grey diffuse and irregular calcite, calcite veins with sericite along the margins, and calcite hairline veins; quartz appears to be somewhat rare; angle TCA measured on calcite + sericite vein

<<Vein: 124.3 - 124.6 3% Calcite 20 deg. >> Flooding of argillite-andesite contact zone with calcite blebs and hairline veins

<<Struc: 92.68 - 92.69 contact 60 deg. >> Sharp contact between argillite and andesite flow

<<Struc: 93.75 - 94.09 Weak fault 60 deg. >> Short fractured interval with minor sandy clay

<<Struc: 99.39 - 99.71 Weak fault 20 deg. >> Short fractured interval with minor sandy clay

<<Struc: 110.6 - 111.9 Weak breccia>> In situ calcite and sericite + epidote vein breccia, associated with moderately pervasive epidote + sericite alteration

<<Struc: 118.37 - 118.68 Weak fault 45 deg. >> Fractured interval with minor sandy clay

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
124.60	**125.21**	**ARGC Calcareous graphitic argillite dark grey FG**	124.60	125.21	0.61	S192336	-0.2	187	135.92	0.77	8.8

124.6 - 125.21: Relatively steeply bedded (possibly deformed?) calcareous and graphitic argillite

<<Min: 124.6 - 125.21 1% pyrite>> Hosted in short interval of graphitic argillite

<<Alt: 125.09 - 125.52 Weak Haematite >>

<<Alt: 125.09 - 126.66 Moderate Clay>> Strongly fractured fault interval with coated fracture planes and massive clay fault gouge intervals up to 7 cm in length

<<Vein: 124.6 - 125.09 1% Calcite 45 deg. >> Short interval of argillite with calcite shear vein

<<Vein: 125.09 - 126 0.1% Calcite 30 deg. >> Scattered hairline calcite veins

<<Struc: 124.6 - 124.61 contact 65 deg. >> Sharp contact between pyroxene-phyric andesite an graphitic argillite

<<Struc: 124.6 - 125.21 Weak Bedded 45 deg. >> Wavy irregular beds; possibly deformed

From (m)	To (m)	Rocktype & Description

<<Struc: 125.09 - 126.66 Moderate fault 45 deg. >> Strongly fractured interval with stretches of massive sandy to fragment-rich clay

125.21 126.95 ANTF Andesitic tuff dark grey FMG

125.21 - 126.95: Dark grey to greenish-grey, massive and strongly altered lapilli tuff; dark grey to black colour most likely washed down from overlying argillite, coating tuff in graphitic clay; distinguished from argillite by massive granular texture

<<Min: 125.21 - 126 0.1% pyrite>>

<<Min: 126 - 126.06 1% pyrite>> Within massive calcite + quartz shear vein

<<Min: 126.06 - 126.95 0.1% pyrite>>

<<Alt: 126.66 - 126.95 Weak Sericite>> Distinct greenish tint in black clay washed interval

<<Vein: 126 - 126.06 100% Quartz-Carbonate 70 deg. >> Massive quartz + calcite + pyrite shear vein with shards of host argillite

<<Vein: 126.06 - 129.41 0.5% Quartz-Carbonate 75 deg. >> Scattered calcite veins, blebs and hairline veins on both argillite and andesitic tuff units

126.95 130.32 ARGC Calcareous graphitic argillite black FG

126.95 - 130.32: Relatively massive to weakly bedded argillite, locally altered to the same black clay that is washed over the under- and over-lying andesitic tuff units; clay washing adds some uncertainty to lithological identifications in this interval

<<Min: 126.95 - 130.93 0.5% pyrite>> Slightly higher abundance of pyrite on fracture planes and in scattered pyrite +/- calcite veins

<<Alt: 126.95 - 127.3 Moderate Clay>> Moderate to near total disintegration of argillite to black clay

<<Alt: 128.74 - 129.4 Weak Clay>> Clay coatings on fracture planes

<<Vein: 129.41 - 129.45 100% Quartz-Carbonate 85 deg. >> Massive calcite + quartz vein; similar orientation to shear vein at 126 m depth but without the shards of wall rock

<<Vein: 129.45 - 130.65 0.1% Quartz-Carbonate 40 deg. >> Notably scarce veining; mostly small calcite blebs and hairline veins with a few scattered quartz + calcite shear veins

<<Struc: 126.95 - 130.32 Weak Bedded 45 deg. >>

<<Struc: 128.74 - 129.4 Weak fault 10 deg. >> Fractured interval with weak pervasive clay alteration at the edges

130.32 133.33 ARGC Calcareous graphitic argillite dark grey FMG

130.32 - 133.33: Massive calcareous argillite with thin scattered beds of graphitic argillite; originally identified as massive black clay-washed lapilli tuff

<<Min: 130.93 - 137.69 0.1% pyrite>> Mostly in hairline calcite veins

<<Alt: 130.32 - 139.18 Weak Haematite >> Entire lithic tuff interval has a reddish tint that is here ascribed to hematite dusting; note that tuff units seem to be particularly susceptible to both pervasive calcite and hematite alteration

<<Alt: 131.63 - 133.33 Weak Clay>> Competent core with patches of weak to moderate clay alteration

<<Vein: 130.65 - 130.93 20% Quartz-Carbonate 20 deg. >> Quartz + calcite + minor pyrite extension (?) vein; contains elliptical inclusions of wall rock; jagged wall rock contacts suggest tuff was pulled apart during vein emplacemen

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
125.21	126.95	1.74	S192337	-0.2	319	102.81	1.27	12.2
126.95	128.74	1.79	S192338	-0.2	192	147.09	1.01	4.3
128.74	130.32	1.58	S192339	-0.2	163	132.42	0.93	7.7
130.32	131.80	1.48	S192340	-0.2	89	129.96	0.91	13.8
131.80	133.33	1.53	S192341	-0.2	89	135.07	0.93	7.5

From (m)	To (m)	Rocktype & Description

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251

<<Vein: 130.93 - 133.33 0.5% Calcite 15 deg. >> Slight increase in abundance of hairline veins and blebs; also a few scattered calcite + quartz veins

<<Struc: 130.32 - 130.33 contact 40 deg. >> Poorly defined contact between graphitic argillite and predominantly calcareous argillite unit

<<Struc: 130.32 - 133.33 Weak Bedded 60 deg. >> Weakly defined beds within predominantly calcareous argillite interval

133.33 139.18 ANTF Andesitic tuff grey pink FMG

133.33 - 139.18: Reddish medium to dark grey lithic tuff; contact with overlying calcareous argillite is a weakly developed breccia zone; clasts consist of crystal tuff and aphanitic lithologies; much of this interval is cut by clay-altered fractures and hairline fractures

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
133.33	134.72	1.39	S192342	-0.2	179	132.78	1.3	12.7
134.72	136.23	1.51	S192343	0.2	173	104.59	2.32	11.5
136.23	137.66	1.43	S192344	-0.2	105	44.11	2.75	6
137.66	139.18	1.52	S192346	-0.2	124	100.87	1.78	6.7

<<Min: 137.69 - 139.18 0.5% pyrite>> Mostly in hairline pyrite +/- calcite veins

<<Alt: 133.33 - 137.69 Moderate Sericite>> Competent core with moderate to near total replacement of lithic tuff with clay + sericite along fractures and fault zones; locally forms clay + sericite proto-fault breccia

<<Alt: 133.33 - 137.69 Moderate Clay>> Competent core with moderate to near total replacement of lithic tuff with clay + sericite along fractures and fault zones; locally forms clay + sericite proto-fault breccia

<<Vein: 133.33 - 137.69 5% Calcite 25 deg. >> Relatively abundant hairline calcite and calcite + sericite veins, as well as fracture planes with prominent sericite alteration halos; occur in interval with moderate sericite and clay alteration

<<Vein: 137.69 - 142.7 1% Calcite 35 deg. >> White calcite blebs and hairline veins; sericite hairline veins

<<Struc: 134.38 - 134.68 Moderate fault 60 deg. >> Fractured interval with 1-10 mm thick fault gouge layers on fracture planes

<<Struc: 137.44 - 137.53 Strong fault 50 deg. >> Massive fault gouge

139.18 140.05 MZPP Plagioclase Monzonite Porphyry Stock grey FMG

139.18 - 140.05: Sub-equal amounts of magnetic plagioclase-phyric monzonite interleaved with pyroxene-phyric andesite flows

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
139.18	140.05	0.87	S192347	0.2	57	63.07	0.52	1.5

<<Min: 139.18 - 145.79 0.1% pyrite>>

<<Alt: 139.36 - 140.05 Moderate Sericite>> Moderately sericite + epidote altered monzonite that is interleaved with less altered pyroxene-phyric flow

<<Alt: 139.36 - 140.05 Moderate Epidote-Chlorite>> Moderately sericite + epidote altered monzonite that is interleaved with less altered pyroxene-phyric flow

<<Struc: 139.18 - 139.19 contact 80 deg. >> Sharp contact between lithic tuff and pyroxene-phyric flow

140.05 140.71 APFW Pyroxene Andesite Porphyry Flow grey-green FMG

140.05 - 140.71: Short interval of pyroxene-phyric andesite flow

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
140.05	140.71	0.66	S192348	-0.2	109	160.27	0.64	1.4

<<Alt: 140.05 - 140.71 Weak Calcite>>

<<Alt: 140.05 - 142.7 Weak Sericite>> In sericite veins and narrow greenish patches

From (m)	To (m)	Rocktype & Description

<<Struc: 140.05 - 140.06 contact 55 deg. >> Sharp contact between pyroxene-phyric andesite and plagioclase-phyric monzonite

140.71 146.04 MZPP Plagioclase Monzonite Porphyry Stock dark grey FMG

140.71 - 146.04: Equigranular and relatively massive dark grey to brown monzonite; lower part, from 142.7 to 146.04 m consists of clay + sericite breccia with in situ monzonite clasts

<<Min: 145.79 - 146.04 0.5% pyrite>> Slightly higher pyrite abundance associated with calcite + quartz shear veins

<<Alt: 142.48 - 142.65 Moderate Clay>> Massive sandy clay fault gouge

<<Alt: 142.7 - 146.04 Moderate Clay>> Weak to strong alteration of breccia matrix

<<Alt: 142.7 - 149.53 Moderate Sericite>> Weak to strong alteration developed over monzonite-andesite contact; in monzonite, sericite forms breccia matrix together with clay; in andesite, sericite forms patches of pervasive alteration together with epidote

<<Alt: 142.7 - 149.53 Moderate Calcite>> Crosses monzonite-andesite contact; mostly in bleb and veins; also as diffuse grey calcite veins; associated with sericite and clay in monzonite breccia; in andesite, associated with strongest sericite + epidote alteration

<<Vein: 142.7 - 145.79 3% Calcite 5 deg. >> Numerous hairline calcite +/- sericite and sericite hairline veins that locally pass into the monzonite breccia matrix

<<Vein: 145.79 - 146.04 25% Quartz-Carbonate 75 deg. >> Cluster of creamy to grey calcite +/- quartz shear veins; oriented parallel to each other in the lower-most part of the monzonite breccia

<<Struc: 142.48 - 142.65 Moderate fault 70 deg. >> Strongly fractured zone with ~2-3 cm of massive fault gouge

<<Struc: 142.7 - 146.04 Moderate breccia>> Weak to strongly developed sericite + clay matrix hosting subangular to subrounded shards of in situ derived monzonite

<<Struc: 144 - 145.61 Moderate fault>> Strongly fractured interval with local development of sandy clay fault gouge; developed overtop of monzonite breccia

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
140.71	142.70	1.99	S192349	13.3	29	23.54	3.18	1.2
142.70	144.35	1.65	S192350	1.2	34	26.47	2.68	1.1
144.35	146.04	1.69	S192351	-0.2	62	33.42	2.69	2.3

146.04 167.90 APFW Pyroxene Andesite Porphyry Flow grey-green FMG

146.04 - 167.9: Competent to broken, massive, pyroxene- and plagioclase-phyric andesite; plagioclase is altered to calcite; pyroxene crystals are sub-rounded

<<Min: 146.04 - 185.48 0.1% pyrite>>

<<Min: 152.39 - 152.94 1% Hematite>> Specular hematite within calcite veins

<<Alt: 146.04 - 149.53 Moderate Epidote-Chlorite>> Together with sericite in bands ranging from 5-30 cm in length

<<Alt: 149.53 - 154.91 Weak Calcite>> Most plagioclase phenocrysts altered to calcite; also weakly pervasive in the groundmass

<<Alt: 149.53 - 154.91 Weak Sericite>> Relatively low proportion and smaller size of epidote + sericite patches

<<Alt: 149.53 - 158.94 Weak Epidote-Chlorite>> Relatively low proportion and smaller size of epidote + sericite patches

<<Alt: 151 - 151.49 Weak Clay>> Some sandy clay within the lower part of this fault structure

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
146.04	147.76	1.72	S192352	-0.2	105	147.2	1.14	1
147.76	149.53	1.77	S192353	1.3	95	142.13	0.73	0.6
149.53	151.49	1.96	S192354	1.2	101	154.92	0.4	3.3
151.49	153.24	1.75	S192355	1.9	75	162.57	0.9	0.8
153.24	154.91	1.67	S192356	0.4	90	175.4	0.54	1
154.91	156.90	1.99	S192357	1	93	95.07	0.42	1.3
156.90	158.94	2.04	S192358	4	196	143.66	0.9	1.5
158.94	161.38	2.44	S192359	-0.2	95	192.77	1.81	1.4

From (m)	To (m)	Rocktype & Description
		<<Alt: 151 - 167.9 Weak Haematite >> Blood red hematite in calcite + quartz veins and on fracture planes
		<<Alt: 154.91 - 158.94 Moderate Calcite>> Notably high abundance of calcite veins, hairline veins and blebs
		<<Alt: 154.91 - 158.94 Weak Clay>> Associated with sericite
		<<Alt: 154.91 - 158.94 Moderate Sericite>> Relatively high proportion of sericite + epidote patches in interval with abundant calcite veining
		<<Alt: 158.94 - 163.81 Weak Sericite>> Scattered patches with weak sericite alteration
		<<Alt: 158.94 - 163.81 Weak Calcite>>
		<<Alt: 163.81 - 164.71 Moderate Sericite>> Abundant within numerous hairline sericite veins that cut this interval; also associated with clay in interval of massive fault gouge
		<<Alt: 163.81 - 164.71 Moderate Silicification >> Hard and greyish
		<<Alt: 163.81 - 164.71 Moderate Calcite>> Occurs mostly in hairline veins
		<<Alt: 164.28 - 164.71 Strong Clay>> Massive clay fault gouge in the bottom part of this moderate to strongly altered interval
		<<Alt: 164.71 - 165.3 Weak Calcite>>
		<<Alt: 165.3 - 165.72 Moderate Clay>> A few 1-2 cm interval of massive clay fault gouge
		<<Alt: 165.3 - 165.72 Weak Silicification >> Weak overprint on sericite altered patch
		<<Alt: 165.3 - 167.9 Moderate Calcite>> Occurs mostly in hairline veins
		<<Alt: 165.3 - 167.9 Moderate Sericite>> Within hairline veins, in patches ranging from 5-40 cm in length and with clay in fault gouge
		<<Alt: 166.26 - 167.18 Strong Clay>> Several intervals of massive clay fault gouge, ranging from 5-30 cm in length
		<<Vein: 146.04 - 149.53 2% Quartz-Carbonate 10 deg. >> Calcite + quartz veins; hairline calcite veins and hairline sericite veins; slightly higher than background abundance within this more strongly altered interval; range of orientations
		<<Vein: 149.53 - 149.7 10% Calcite 40 deg. >> 1-3 cm wide pinch-and-swell calcite + hematite vein; blood red hematite occurs along vein margin
		<<Vein: 149.7 - 151.49 2% Quartz-Carbonate 20 deg. >> Fairly high abundance of calcite + quartz veins and blebs within strongly fractured fault interval
		<<Vein: 151.49 - 151.63 25% Quartz-Carbonate 15 deg. >> Calcite + quartz vein breccia on the margin of fault structure
		<<Vein: 151.63 - 154.91 1% Calcite 20 deg. >> Pinkish grey calcite + hematite veins; one such vein comprises 2 mm of massive specular hematite bound on either side by 2-3 mm of calcite; also calcite +/- quartz veinlets, hairline veins and blebs
		<<Vein: 154.91 - 158.94 7.5% Quartz-Carbonate 15 deg. >> Abundant white to grey calcite veins, hairline veins and blebs; some veins occur with green sericite, beige sericite, blood red hematite and light grey quartz; angle TCA measured on 1-3 cm thick calcite + quartz vein
		<<Vein: 158.94 - 163.81 1% Quartz-Carbonate 5 deg. >> Scattered calcite + quartz +/- hematite veins; most show brittle offset along microfractures and different angles TCA; scattered calcite veins and blebs are also present; overall vein density is low
		<<Vein: 163.81 - 167.9 10% Quartz-Carbonate 30 deg. >> Abundant white to grey calcite veins, hairline veins and blebs; some veins occur with green sericite, beige sericite, blood red hematite and light grey quartz

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
161.38	163.81	2.43	S192361	2.2	126	164.7	1.02	1.1
163.81	165.30	1.49	S192362	8.9	278	134.42	1.75	0.9
165.30	166.73	1.43	S192363	2.3	168	108.95	0.81	0.8
166.73	167.90	1.17	S192364	1.8	280	158.96	1.69	1.3

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
		<<Struc: 146.04 - 146.05 contact 75 deg. >> Sharp contact between monzonite and pyroxene-phyric flow									
		<<Struc: 149.75 - 151.49 Moderate fault 30 deg. >> Strongly fractured interval with mostly pebbly and sandy clay towards the bottom of the interval									
		<<Struc: 164.28 - 164.71 Strong fault 65 deg. >> Fractured interval with ~50% comprising massive sandy clay									
		<<Struc: 166.26 - 167.18 Moderate fault 75 deg. >> Strongly fractured interval with several 5-10 cm subintervals consisting of massive clay fault gouge									
		<<Struc: 167.6 - 168.72 Weak fault 35 deg. >> Fractured interval with minor clay coating fracture planes									
167.90	**174.43**	**MZPP Plagioclase Monzonite Porphyry Stock dark grey FMG**	167.90	170.66	2.76	S192366	-0.2	26	27.8	3.39	1.5
		167.9 - 174.43: Dark grey to brown, strongly magnetic; massive monzonite; scattered feldspar (perthite?) phenocrysts are only slightly larger than the groundmass, which is equigranular and consists of 1-2 mm size crystals									
		<<Alt: 167.9 - 174.43 Weak Sericite>> Scattered hairline and 1-2 mm wide calcite veins with sericite halos	170.66	172.20	1.54	S192367	-0.2	35	28.34	3.78	1
		<<Alt: 167.9 - 174.43 Weak Calcite>>	172.20	174.43	2.23	S192368	-0.2	23	19.01	3.48	0.9
		<<Vein: 167.9 - 168.72 1% Calcite 35 deg. >> Creamy white calcite veins and hairline veins; relatively massive with sharp contacts; pinch-and-swell structure ranging from 0.1-3 cm in true thickness									
		<<Vein: 168.72 - 174.43 0.5% Calcite 45 deg. >> Hairline calcite veins with sericite halos									
174.43	**175.04**	**MZPP Plagioclase Monzonite Porphyry Stock dark grey MG**	174.43	175.04	0.61	S192369	-0.2	43	5.5	0.51	0.4
		174.43 - 175.04: Dark grey to brown, massive, feldspar porphyritic monzonite, with feldspar phenocrysts up to 1 cm in size									
175.04	**180.90**	**MZPP Plagioclase Monzonite Porphyry Stock dark grey FMG**	175.04	177.06	2.02	S192371	4.1	61	30.97	3.88	0.7
		175.04 - 180.9: Dark grey to brown, strongly magnetic; massive monzonite; scattered feldspar (perthite?) phenocrysts are only slightly larger than the groundmass, which is equigranular and consists of 1-2 mm size crystals									
		<<Alt: 175.04 - 185.88 Weak Calcite>> Pervasive across several monzonite-andesite contacts	177.06	179.15	2.09	S192372	11.4	96	34.16	5.07	1.5
		<<Alt: 178.55 - 179.15 Moderate Sericite>> Forms matrix of proto-fault gouge breccia within fractured part of fault zone	179.15	180.90	1.75	S192373	2.1	68	31.57	3.25	0.8
		<<Alt: 178.55 - 179.15 Moderate Clay>> intervals of sandy clay fault gouge									
		<<Vein: 175.04 - 180.9 0.1% Calcite 45 deg. >> Hairline calcite veins with sericite halos									
		<<Struc: 178.55 - 179.15 Weak fault 25 deg. >> Mostly fractured rock with minor coating of fracture planes with clay									
		<<Struc: 180.1 - 181.45 Weak fault 25 deg. >> Mostly fractured rock with minor coating of fracture planes with clay									
180.90	**185.48**	**APFW Pyroxene Andesite Porphyry Flow grey-green FMG**	180.90	183.18	2.28	S192374	1.7	88	152.21	0.54	1.1
		180.9 - 185.48: Dark grey green, massive, pyroxene-phyric andesite flows with calcite-altered plagioclase phenocrysts; dark colour somewhat obscures the appearance of pyroxene phenocrysts, possibly biotite alteration?									

From (m)	To (m)	Rocktype & Description

<<Alt: 180.9 - 185.48 Weak Biotite>> Unsure of identification; interval of andesite between two monzonite sheets; andesite matrix is dark coloured and massive, obscuring pyroxene phenocrysts; typical sericite + epidote alteration is lacking

<<Vein: 180.9 - 185.48 1% Quartz-Carbonate 75 deg. >> Typical calcite + quartz +/- pyrite veins, which mostly occur at relatively high angle TCA; also some hairline calcite veins

185.48 185.88 MZPP Plagioclase Monzonite Porphyry Stock grey-green FG

185.48 - 185.88: Short interval of massive silicified monzonite

<<Min: 185.48 - 185.88 0.5% pyrite>> Slightly higher abundance of pyrite in shear vein and silicified monzonite

<<Alt: 185.48 - 185.88 Moderate Silicification >> Short pervasively silicified interval of monzonite

<<Alt: 185.48 - 185.88 Weak Sericite>> Mostly in thin hairline veins

<<Vein: 185.48 - 185.53 100% Calcite 60 deg. >> Calcite + epidote + sericite shear vein with lens-like fragments of host rock oriented parallel to vein strike; vein occurs at and parallel to contact between andesite and silicified monzonite

<<Vein: 185.53 - 185.88 2% Calcite 60 deg. >> Calcite + sericite hairline veins

<<Struc: 185.48 - 185.49 contact 60 deg. >> Sharp contact between andesite and silicified monzonite

185.88 194.85 APFW Pyroxene Andesite Porphyry Flow grey-green FMG

185.88 - 194.85: Dark grey green, massive, pyroxene-phyric andesite flows with calcite-altered plagioclase phenocrysts; dark colour somewhat obscures the appearance of pyroxene phenocrysts, possibly biotite alteration?; upper contact zone intruded by calcite + quartz veins

<<Min: 185.88 - 194.85 0.1% pyrite>>

<<Alt: 185.88 - 187.37 Moderate Calcite>> Weak to moderately pervasive; also calcite + quartz vein breccia, calcite veins and calcite hairline veins

<<Alt: 185.88 - 187.37 Moderate Biotite>> Unsure of identification; interval of andesite between two monzonite sheets; andesite matrix is dark coloured and massive, obscuring pyroxene phenocrysts; typical sericite + epidote alteration is lacking

<<Alt: 186.8 - 187.37 Moderate Clay>> Weakly pervasive to forming 1-5 mm thick coatings on fracture planes

<<Alt: 187.37 - 194.85 Weak Sericite>> Scattered patches of beige sericite alteration; markedly less abundant than biotite and chlorite alteration

<<Alt: 187.37 - 194.85 Weak Chlorite >> Alternating patches of black and dark green material interpreted at patchy biotite and chlorite alteration

<<Alt: 187.37 - 194.85 Weak Calcite>>

<<Alt: 187.37 - 194.85 Weak Biotite>> Alternating patches of black and dark green material interpreted at patchy biotite and chlorite alteration

<<Vein: 185.88 - 187.37 10% Quartz-Carbonate 40 deg. >> Calcite + quartz shear veins and sheared vein breccias; hosted within sheared andesite; calcite ranges from white to pink; angle TCA measures the shear planes; vein breccias extend outwards from shear planes, typically in just one direction

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
183.18	185.48	2.30	S192375	2.6	175	153.09	0.67	0.5
185.48	186.80	1.32	S192376	6.1	244	107.45	2.15	4.4
186.80	187.87	1.07	S192377	0.7	73	135.61	4.46	1.3
187.87	188.98	1.11	S192378	2.5	109	170.31	0.89	1.5
188.98	190.96	1.98	S192379	1.7	118	159.69	0.35	0.7
190.96	192.92	1.96	S192380	-0.2	88	163.54	0.43	0.7
192.92	194.85	1.93	S192381	0.5	110	171.4	0.29	0.7

From (m)	To (m)	Rocktype & Description

<<Vein: 187.37 - 194.85 0.5% Quartz-Carbonate 65 deg. >> Scattered calcite + quartz veins, with calcite ranging from white to pinkish (the pink calcite seen here is the first seen on the program); also white calcite hairline veins and blebs

<<Struc: 185.88 - 185.89 contact 45 deg. >> Sharp contact between andesite and silicified monzonite

<<Struc: 185.88 - 187.37 Moderate Sheared 40 deg. >> Weak to moderately sheared biotite-altered and quartz + calcite veined andesite; fabric defined by biotite laths and relict feldspar grains

<<Struc: 186.8 - 187.37 Weak fault 30 deg. >> Weakly fractured interval with weak pervasive clay alteration and 1-5 mm of massive clay developed on certain fracture surfaces

194.85 197.11 MZPP Plagioclase Monzonite Porphyry Stock grey-green FMG

194.85 - 197.11: Greenish-grey, massive pervasively sericite + epidote altered monzonite; hosts hematite-rich domains and veins (specularite); slightly less altered patches preserve the dark brownish colour and radiating feldspar crystals observed in monzonite further up the hole

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
194.85	196.00	1.15	S192382	-0.2	127	121.07	3.51	1.4
196.00	197.11	1.11	S192383	-0.2	43	34.15	3.86	1.3

<<Min: 194.85 - 195.5 2% pyrite>> In the upper margin of altered monzonite

<<Min: 195.5 - 204.58 0.1% pyrite>>

<<Alt: 194.85 - 197.11 Weak Silicification >> Moderate to strongly sericite + epidote altered monzonite is much harder than unaltered monzonite

<<Alt: 194.85 - 197.11 Moderate Sericite>> Pervasive epidote + sericite alteration that ranges from weak to strong but is mostly moderate; strong patches show characteristic beige-pistachio colour of sericite + chlorite; weak patches exhibit more typical dark brown monzonite colour

<<Alt: 194.85 - 197.11 Moderate Epidote-Chlorite>> Pervasive epidote + sericite alteration that ranges from weak to strong but is mostly moderate; strong patches show characteristic beige-pistachio colour of sericite + chlorite; weak patches exhibit more typical dark brown monzonite colour

<<Vein: 194.85 - 197.11 0.1% Haematite/Iron oxide 20 deg. >> Hematite-rich fracture fills

<<Struc: 194.85 - 194.86 contact 20 deg. >> Sharp contact between monzonite and andesite

197.11 204.58 APFW Pyroxene Andesite Porphyry Flow grey-green FMG

197.11 - 204.58: Dark purplish to greenish grey; massive with scattered pyroxene phenocrysts and radiating xenomorphic plagioclase replaced by calcite; pyroxene phenocrysts not as obvious as usual, possibly darker matrix or perhaps less abundant

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
197.11	199.00	1.89	S192384	-0.2	111	153.73	1.05	1
199.00	201.45	2.45	S192386	1.8	91	176.75	0.81	0.9
201.45	203.89	2.44	S192387	1.6	85	176.28	0.52	0.8
203.89	204.58	0.69	S192388	0.3	139	152.87	0.85	0.8

<<Alt: 197.11 - 204.37 Weak Epidote-Chlorite>> Scattered 5-10 cm wide patches of sericite + epidote alteration

<<Alt: 197.11 - 204.58 Moderate Sericite>> Pervasive development of radiating sericite aggregates throughout andesite groundmass; locally varies to moderate strong in patches

<<Alt: 197.11 - 204.58 Moderate Chlorite >> Pervasive replacement of pyroxene phenocrysts with chlorite

<<Alt: 204.37 - 204.58 Weak Clay>> Weakly developed fault gouge

<<Alt: 204.37 - 204.58 Moderate Calcite>> Within strongly altered weak fault gouge at andesite-monzonite contact

<<Vein: 197.11 - 204.58 0.5% Quartz-Carbonate 50 deg. >> Scattered calcite + quarts and calcite + hematite veins; also calcite hairline veins

From (m)	To (m)	Rocktype & Description

<<Struc: 197.11 - 197.12 contact 20 deg. >> Sharp contact between monzonite and andesite

<<Struc: 204.37 - 204.58 Weak fault 30 deg. >> Weakly developed fault gouge at contact between andesite and monzonite

204.58 214.04 MZPP Plagioclase Monzonite Porphyry Stock dark grey FMG

204.58 - 214.04: Dark brown to greenish grey; brown coloured rock is least altered and most magnetic, greenish grey altered monzonite is semi-massive in the upper part of this unit and developed as halos around calcite veins and sericite-altered fractures

<<Min: 204.58 - 205 1% pyrite>> Slightly elevated pyrite within upper margin of monzonite unit

<<Min: 205 - 226.5 0.1% pyrite>>

<<Alt: 204.58 - 205.91 Weak Silicification >> Patches of moderate to strong epidote + sericite + silica alteration; these patches alternate with less altered monzonite cut by calcite hairline veins with sericite + epidote halos

<<Alt: 204.58 - 205.91 Moderate Sericite>> Patches of moderate to strong epidote + sericite + silica alteration; these patches alternate with less altered monzonite cut by calcite hairline veins with sericite + epidote halos

<<Alt: 204.58 - 205.91 Moderate Epidote-Chlorite>> Patches of moderate to strong epidote + sericite + silica alteration; these patches alternate with less altered monzonite cut by calcite hairline veins with sericite + epidote halos

<<Alt: 205.91 - 208.48 Weak Sericite>> Mostly as halos around calcite hairline veins

<<Alt: 205.91 - 208.48 Weak Epidote-Chlorite>> Mostly as halos around calcite hairline veins

<<Alt: 208.43 - 209.43 Weak Silicification >> Patches of light grey, hard, silica alteration

<<Alt: 208.43 - 209.43 Weak Potassium feldspar>> Light pinkish mineral that does not react with HCl

<<Alt: 208.48 - 209.43 Moderate Sericite>> Moderate to strong epidote + sericite alteration in association with calcite + quartz veins

<<Alt: 208.48 - 209.43 Moderate Epidote-Chlorite>> Moderate to strong epidote + sericite alteration in association with calcite + quartz veins

<<Alt: 209.42 - 214.04 Weak Calcite>>

<<Alt: 209.43 - 214.04 Weak Sericite>> Scattered pervasive patches or in halos around calcite hairline veins

<<Vein: 204.58 - 205.91 5% Quartz-Carbonate 65 deg. >> Calcite + quartz veins from 2-3 cm in true thickness; also hairline calcite veins with sericite halos; calcite + quartz floods associated with strong epidote + sericite alteration

<<Vein: 205.91 - 208.48 2% Calcite 70 deg. >> Grey calcite veins with sharp contacts and at high angle TCA; hairline calcite veins with sericite halos

<<Vein: 208.48 - 209.43 5% Quartz-Carbonate 40 deg. >> Calcite + quartz veins associated with strong K-feldspar + silica + epidote + sericite alteration

<<Vein: 209.43 - 214.04 0.1% Calcite 20 deg. >> Scattered hairline calcite veins

<<Struc: 204.58 - 204.59 contact 35 deg. >> Sharp contact between andesite and monzonite

<<Struc: 205.31 - 205.38 Weak fault 50 deg. >> Narrow interval of weakly developed fault gouge bound on either side by 3-4 mm thick clay layers

<<Struc: 210.35 - 214.41 Weak fault 20 deg. >> Interval of strongly fractured rock with minor sandy clay

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
204.58	205.31	0.73	S192389	7	210	56.23	2.07	1.3
205.31	205.98	0.67	S192390	1.4	84	31.35	3.07	0.8
205.98	207.20	1.22	S192391	0.9	84	28.46	2.82	0.8
207.20	208.49	1.29	S192392	1.4	78	27.56	3.23	0.8
208.49	209.41	0.92	S192393	1.6	73	22.61	6.16	0.6
209.41	211.00	1.59	S192394	1.6	60	25.53	3.19	0.4
211.00	212.50	1.50	S192395	1.2	31	25.52	2.96	1
212.50	214.04	1.54	S192396	3.3	246	134.66	4.74	0.3

From (m)	To (m)	Rocktype & Description

214.04 228.81 MNDR Monzodiorite grey pink FMG

214.04 - 228.81: Competent to broken, purplish grey to light greenish grey, feldspar porphyritic monzodiorite; phenocrysts consist of light grey plagioclase and (possibly?) creamy white K-feldspar, with plagioclase > Kfs; phenocryst forms range from euhedral to anhedral and sizes from 1-10 mm; groundmass is fine medium-grained and crystalline; purplish segments appear to be the least altered (hematite?); greenish-grey segments are altered to sericite + silica +/- clay

<<Min: 226.5 - 228.81 0.5% pyrite>> Slightly higher abundance within proto-fault breccia

<<Alt: 214.04 - 214.41 Strong Sericite>> Moderate to strong clay + sericite alteration in proto-fault breccia at monzonite-monzodiorite contact

<<Alt: 214.04 - 214.41 Moderate Clay>> Moderate to strong clay + sericite alteration in proto-fault breccia at monzonite-monzodiorite contact

<<Alt: 214.41 - 218.44 Moderate Sericite>> Weak to moderate patches of silica + sericite alteration

<<Alt: 214.41 - 218.44 Moderate Silicification >> Weak to moderate patches of silica + sericite alteration

<<Alt: 218.44 - 222.01 Weak Sericite>> Narrow selvages of sericite + silica alteration around hairline fractures

<<Alt: 218.44 - 222.01 Weak Silicification >> Narrow selvages of sericite + silica alteration around hairline fractures

<<Alt: 222.01 - 222.46 Strong Sericite>> Short interval of strong pervasive silica + sericite alteration

<<Alt: 222.01 - 222.46 Strong Silicification >> Short interval of strong pervasive silica + sericite alteration

<<Alt: 222.46 - 223.58 Weak Sericite>> Relatively unaltered monzodiorite with minor sericite + clay on fracture planes

<<Alt: 222.46 - 223.58 Weak Clay>> Relatively unaltered monzodiorite with minor sericite + clay on fracture planes

<<Alt: 223.58 - 224.72 Strong Sericite>> Strong pervasive silica + sericite alteration along with local development of clay fault gouge

<<Alt: 223.58 - 224.72 Strong Silicification >> Strong pervasive silica + sericite alteration along with local development of clay fault gouge

<<Alt: 223.58 - 224.72 Moderate Clay>> Strongly pervasive on some fracture planes

<<Alt: 224.72 - 226.5 Weak Clay>> Sandy clay on scattered fracture planes

<<Alt: 224.72 - 226.5 Moderate Sericite>> Scattered patches of sericite + silica alteration; also sericite + silica halos on microfractures

<<Alt: 224.72 - 226.5 Moderate Silicification >> Scattered patches of sericite + silica alteration; also sericite + silica halos on microfractures

<<Alt: 226.5 - 228.81 Moderate Silicification >> Forms halos around certain microfractures; also as patches

<<Alt: 226.5 - 228.81 Strong Clay>> Proto fault breccia comprising a matrix and numerous microfractures filled with sericite and clay

<<Alt: 226.5 - 228.81 Strong Sericite>> Proto fault breccia comprising a matrix and numerous microfractures filled with sericite and clay

<<Vein: 214.04 - 218.44 1% Calcite 25 deg. >> Bright white calcite veins and hairline calcite veins; these veins inhabit the numerous brittle fractures that appear to characterize this unit

<<Vein: 218.44 - 222.01 0.1% Calcite 45 deg. >> Scattered hairline veins with halos of sericite + silica alteration

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
214.04	215.00	0.96	S192397	-0.2	55	17.71	0.56	1.6
215.00	216.29	1.29	S192398	1	46	6.13	0.37	1.7
216.29	217.75	1.46	S192399	1	182	6.75	1.06	1.6
217.75	219.06	1.31	S192401	0.8	64	6.37	1.17	1.7
219.06	220.94	1.88	S192402	1.5	67	9.25	2.58	1.7
220.94	221.86	0.92	S192403	3.2	55	9.2	0.06	1
221.86	222.55	0.69	S192404	0.9	58	7.2	0.1	2.9
222.55	223.58	1.03	S192406	1.5	54	6.95	0.07	1.5
223.58	224.72	1.14	S192407	1.6	54	6.83	0.07	4
224.72	226.50	1.78	S192408	1	56	8.15	0.11	1.4
226.50	227.69	1.19	S192409	2	109	22.68	6.67	1.9
227.69	228.81	1.12	S192411	4.8	115	20.13	2.9	1.8

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251

<<Vein: 222.01 - 222.46 1% Calcite 20 deg. >> Creamy white calcite vein associated with short interval of strong silicification

<<Vein: 223.58 - 226.5 2% Calcite 40 deg. >> Bright white calcite veins and hairline calcite veins; associated with interval of moderate to strong silica + sericite alteration

<<Vein: 226.5 - 228.81 15% Calcite 25 deg. >> Chaotic network of hairline calcite veins with extensive sericite + clay halos; forms proto-fault breccia

<<Struc: 214.04 - 214.05 contact 60 deg. >> Sharp contact between monzonite and monzodiorite breccia

<<Struc: 214.04 - 214.41 Moderate breccia>> Developed at monzodiorite-monzonite contact; in situ shards of monzodiorite in matrix of clay and sericite; possibly a proto-fault breccia

<<Struc: 224.08 - 224.72 Moderate fault 20 deg. >> Weak to moderately pervasive clay alteration; massive clay gouge on fracture planes

<<Struc: 225.27 - 225.45 Weak fault 40 deg. >> Narrow fractured interval with minor development of sandy clay fault gouge

<<Struc: 226.5 - 228.81 Weak fault 55 deg. >> Pervasively sericite and clay altered interval; development of proto-fault breccia; some massive sandy clay gouge as well

<<Struc: 226.5 - 228.81 Moderate breccia 25 deg. >> Proto-fault breccia consisting of sericite + clay matrix and hairline veins hosting in situ clasts of monzodiorite

228.81 230.28 APFW Pyroxene Andesite Porphyry Flow dark grey FMG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
228.81	230.28	1.47	S192412	18.9	606	191.18	1.08	1.1

228.81 - 230.28: Short interval of dark green to black, massive, pyroxene-phyric andesite; pyroxene crystals mostly altered to chlorite

<<Min: 228.81 - 230.28 0.1% pyrite>>

<<Alt: 228.81 - 230.28 Weak Sericite>> Evenly distributed in matrix of andesite

<<Alt: 228.81 - 230.28 Moderate Chlorite >> Pervasive replacement of pyroxene phenocrysts with chlorite; also some chlorite aggregates radiating outwards from microfractures

<<Alt: 228.81 - 230.28 Weak Calcite>>

<<Vein: 228.81 - 230.28 5% Quartz-Carbonate 75 deg. >> Numerous calcite +/- quartz veins (grey diffuse and white calcite), shear veins, hairline veins and blebs; most are oriented at fairly high angle TCA

<<Struc: 228.81 - 228.82 contact 55 deg. >> Developed at monzodiorite-andesite contact; sharp contact between monzodiorite and andesite

230.28 234.40 MNDR Monzodiorite grey pink FMG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
230.28	231.54	1.26	S192413	12.3	64	20.55	0.3	3.6
231.54	232.98	1.44	S192414	1.2	25	15.23	0.77	1.4
232.98	234.40	1.42	S192415	1.1	28	21.67	1.3	0.8

230.28 - 234.4: Dark purplish grey to light greenish grey, feldspar porphyritic monzodiorite; phenocrysts consist of light grey plagioclase and (possibly?) creamy white K-feldspar, with plagioclase > Kfs; phenocryst forms range from euhedral to anhedral and sizes from 1-10 mm; groundmass is fine medium-grained and crystalline; purplish segments appear to be the least altered (hematite?); greenish-grey segments are altered to sericite + silica +/- clay

<<Min: 230.28 - 234.4 0.5% pyrite>> Slightly elevated pyrite throughout the entire monzodiorite unit

<<Min: 234.04 - 239.08 0.1% pyrite>>

From (m)	To (m)	Rocktype & Description

<<Alt: 230.28 - 231.54 Moderate Silicification >> Silicified halos around hairline fractures and in association with some of the clay + sericite altered patches

<<Alt: 230.28 - 231.54 Moderate Sericite>> Patches of sericite + clay +/- silica alteration

<<Alt: 230.28 - 231.54 Weak Clay>> Patches of sericite + clay +/- silica alteration

<<Alt: 231.54 - 232.98 Weak Silicification >> Narrow bands of silicification around hairline fractures

<<Alt: 231.54 - 232.98 Weak Sericite>> Localized sericite alteration associated with hairline fractures

<<Alt: 232.98 - 233.31 Moderate Silicification >> Light greenish grey silicified patches and as halos around hairline fractures

<<Alt: 233.31 - 233.48 Moderate Sericite>> Weak to moderate sericite + clay alteration in association with weakly developed fault zone

<<Alt: 233.31 - 233.48 Moderate Clay>> Weak to moderate sericite + clay alteration in association with weakly developed fault zone

<<Alt: 233.38 - 234.4 Weak Silicification >> Narrow bands of silicification around hairline fractures

<<Alt: 233.48 - 234.4 Weak Sericite>> Localized sericite alteration associated with hairline fractures

<<Vein: 230.28 - 231.54 3% Calcite 55 deg. >> Hairline calcite veins with silica +/- sericite halos; also some larger creamy white calcite stockwork blebs associated with stronger sericite + clay alteration

<<Vein: 231.54 - 232.98 1% Calcite 40 deg. >> Hairline calcite veins with silica +/- sericite halos

<<Vein: 232.98 - 234.4 2% Quartz-Carbonate 65 deg. >> Hairline calcite veins with silica +/- sericite halos; also some larger creamy white calcite stockwork blebs associated with stronger sericite + clay alteration; also 3-4 mm wide calcite + quartz veins with 2-3 cm halos of silica + sericite alteration

<<Struc: 230.28 - 230.29 contact 20 deg. >> Sharp contact between monzodiorite and andesite

<<Struc: 233.31 - 233.48 Weak fault 50 deg. >> Defined by fracturing and weak to moderate sericite + clay alteration

234.40 237.72 APFW Pyroxene Andesite Porphyry Flow dark grey FMG

234.4 - 237.72: Another short interval of dark green to black, massive, pyroxene-phyric andesite; pyroxene crystals mostly altered to chlorite

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
234.40	236.13	1.73	S192416	6	257	141.33	1.35	0.7
236.13	237.72	1.59	S192417	3.6	412	159.76	1.14	0.6

<<Alt: 234.4 - 234.52 Moderate Calcite>> Diffuse grey calcite veins at contact between monzodiorite and andesite

<<Alt: 234.4 - 237.72 Weak Sericite>> Evenly distributed in matrix of andesite

<<Alt: 234.4 - 237.72 Moderate Chlorite >> Pervasive replacement of pyroxene phenocrysts with chlorite; also some chlorite aggregates radiating outwards from microfractures

<<Alt: 234.52 - 237.72 Weak Calcite>>

<<Vein: 234.4 - 234.52 40% Calcite 40 deg. >> Diffuse grey calcite and white calcite shear veins concentrated at andesite-monzodiorite contact

<<Vein: 234.52 - 237.72 2% Quartz-Carbonate 40 deg. >> Fairly even distribution of calcite + quartz shear veins, regular white calcite veins and calcite hairline veins and blebs

From (m)	To (m)	Rocktype & Description
237.72	**244.70**	**MNDR Monzodiorite grey pink FMG**

237.72 - 244.7: Competent to faulted, dark purplish grey to light greenish grey, feldspar porphyritic monzodiorite; phenocrysts consist of light grey plagioclase and (possibly?) creamy white K-feldspar, with plagioclase > Kfs; phenocryst forms range from euhedral to anhedral and sizes from 1-10 mm; groundmass is fine medium-grained and crystalline; purplish segments appear to be the least altered (hematite?); greenish-grey segments are altered to sericite + silica +/- clay

<<Min: 239.08 - 239.32 0.5% pyrite>> Associated with localized silicification and fracturing

<<Min: 239.32 - 339.6 0.1% pyrite>> Trace amounts of pyrite across numerous units

<<Alt: 237.72 - 239.08 Weak Silicification >> Scattered bands of greenish-grey silica alteration surrounding hairline fractures

<<Alt: 237.72 - 239.08 Weak Sericite>> Sericite-filled hairline fractures

<<Alt: 239.08 - 239.32 Moderate Silicification >> Fractured zone with increased calcite veining, silicification and sericitic alteration on fracture planes

<<Alt: 239.08 - 239.92 Moderate Sericite>> Fractured zone with increased calcite veining, silicification and sericitic alteration on fracture planes

<<Alt: 239.32 - 243.69 Weak Silicification >> Greenish-grey patches of increased silicification and as halos on microfractures

<<Alt: 239.92 - 243.69 Weak Sericite>> Mostly on microfractures; also in the halos of microfractures along with silicification

<<Alt: 240.54 - 241.04 Moderate Calcite>> Moderately microfractured interval with calcite veining and flooding

<<Alt: 242.12 - 242.34 Weak Clay>> Micro-fractured interval with increased sericite + clay alteration; possibly a proto-fault gouge

<<Alt: 243.01 - 243.25 Weak Clay>> Micro-fractured interval with increased sericite + clay alteration; possibly a proto-fault gouge

<<Alt: 243.69 - 244.7 Moderate Sericite>> Proto-fault breccia comprising numerous sericite + clay altered microfractures and locally pervasive alteration over core lengths of 5-10 cm

<<Alt: 243.69 - 244.7 Moderate Clay>> Proto-fault breccia comprising numerous sericite + clay altered microfractures and locally pervasive alteration over core lengths of 5-10 cm

<<Alt: 243.69 - 244.7 Moderate Calcite>> Mostly in hairline calcite veins; pervasive in the lower-most 10 cm of this unit adjacent to the contact with andesite

<<Vein: 237.72 - 239.08 0.1% Calcite 65 deg. >> Rare scattered calcite hairline veins

<<Vein: 239.08 - 239.32 5% Quartz-Carbonate 30 deg. >> Fractured zone with increased calcite veining, silicification and sericitic alteration on fracture planes

<<Vein: 239.32 - 240.54 0.5% Calcite 40 deg. >> Scare calcite hairline veins

<<Vein: 240.54 - 241.04 2% Calcite 25 deg. >> Moderately fractured interval with relatively high concentration of calcite hairline veins

<<Vein: 241.04 - 243.69 0.5% Calcite 30 deg. >> Scattered hairline calcite veins that are typically associated with halos of silica + sericite alteration

<<Vein: 243.69 - 244.7 3% Calcite 40 deg. >> Numerous calcite hairline veins in proto-fault gouge/breccia

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
237.72	238.88	1.16	S192418	0.6	105	9.4	1.06	0.3
238.88	240.10	1.22	S192419	2.6	140	11.11	0.5	0.4
240.10	241.04	0.94	S192420	1	87	7.9	0.08	0.6
241.04	242.34	1.30	S192421	3.6	52	6.16	0.09	0.6
242.34	243.64	1.30	S192422	0.6	44	6.91	0.07	0.2
243.64	244.70	1.06	S192423	1	41	9.27	0.07	0.3

From (m)	To (m)	Rocktype & Description

<<Struc: 237.72 - 237.73 contact 50 deg. >> Sharp contact between andesite and monzodiorite; contact intruded by shear vein

<<Struc: 239.08 - 239.32 Weak fault 30 deg. >> Fractured zone with increased calcite veining, sericite alteration and silicification

<<Struc: 240.54 - 241.04 Weak fault 25 deg. >> Weakly developed clay alteration and strong calcite flooding interpreted as proto-fault gouge

<<Struc: 243.01 - 243.25 Weak fault 65 deg. >> Weakly developed clay alteration interpreted as proto-fault gouge

<<Struc: 243.67 - 244.7 Moderate fault 35 deg. >> Moderately well-developed clay + sericite alteration and breccia texture that is interpreted as a proto-fault gouge; again developed in the lower part of the monzodiorite unit at a contact with underlying andesite

<<Struc: 243.67 - 244.7 Moderate breccia 35 deg. >> Moderately well-developed clay + sericite alteration and breccia texture that is interpreted as a proto-fault gouge; again developed in the lower part of the monzodiorite unit at a contact with underlying andesite

244.70 261.89 APFW Pyroxene Andesite Porphyry Flow grey-green FMG

244.7 - 261.89: Dark to medium greenish grey, massive, pervasively altered pyroxene-phyric andesite; most pyroxene crystals altered to chlorite; small sericite aggregates occur throughout the groundmass; plagioclase phenocrysts replaced with radiating aggregates of calcite

<<Alt: 244.7 - 285.27 Weak Sericite>> Evenly distributed in matrix of andesite

<<Alt: 244.7 - 333.66 Moderate Chlorite >> Pervasive replacement of pyroxene phenocrysts with chlorite; also some chlorite aggregates radiating outwards from microfractures

<<Alt: 247.84 - 248.29 Moderate Clay>> Fault gouge

<<Alt: 247.84 - 248.29 Moderate Calcite>> As chaotically oriented blebs and hairline veins

<<Alt: 256.1 - 275.64 Weak Haematite >> Fracture planes generally coated with a thin layer of blood red hematite; also occurs in calcite shear veins

<<Vein: 244.7 - 247.82 0.5% Calcite 35 deg. >> Scattered calcite +/- sericite +/- chlorite shear veins; also calcite hairline veins and blebs

<<Vein: 247.82 - 247.84 100% Quartz-Carbonate 50 deg. >> Massive calcite + quartz shear vein; calcite is white to pinkish, quartz Is light greyish-brown

<<Vein: 247.84 - 248.29 3% Calcite>> White calcite blebs and hairline veins in fault zone

<<Vein: 248.29 - 275.23 0.1% Calcite 50 deg. >> Scattered calcite +/- hematite shear veins and calcite hairline veins; hematite is more abundant below 256 m depth

<<Struc: 244.7 - 244.71 contact 35 deg. >> Sharp contact between monzodiorite breccia/proto-fault gouge breccia and relatively undeformed andesite

<<Struc: 247.84 - 248.29 Moderate fault 50 deg. >> Moderately pervasive fault gouge

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
244.70	245.98	1.28	S192424	4.2	252	151.17	1.28	0.5
245.98	247.56	1.58	S192426	6.3	159	169.78	0.38	0.9
247.56	248.40	0.84	S192427	7.8	224	165.57	0.38	1.7
248.40	250.60	2.20	S192428	3	101	164.8	0.26	0.7
250.60	252.78	2.18	S192429	2.4	97	182.17	0.94	1
252.78	255.00	2.22	S192430	2.5	103	186.77	1.11	1
255.00	257.00	2.00	S192431	4.6	99	177.63	0.77	0.9
257.00	259.35	2.35	S192432	3.2	102	167.57	0.83	0.8
259.35	261.89	2.54	S192433	3.1	90	176.9	1.17	1

From (m)	To (m)	Rocktype & Description			
261.89	**264.36**	**ANTF**	**Andesitic tuff**	**grey-green**	**FG**

261.89 - 264.36: Mixed crystal and lithic tuff; lithic fragments included epidote altered material and aphanitic dark material; crystals include pyroxene and feldspar could be top of andesitic flow; lithological change is marked but contacts are not particularly sharp

From (m)	To (m)	Rocktype & Description			
264.36	**333.81**	**APFW**	**Pyroxene Andesite Porphyry Flow**	**grey-green**	**FMG**

264.36 - 333.81: Dark to medium greenish grey, massive, pervasively altered pyroxene-phyric andesite; most pyroxene crystals altered to chlorite; small sericite aggregates occur throughout the groundmass; plagioclase phenocrysts replaced with radiating aggregates of calcite

<<Alt: 275.23 - 275.42 Weak Clay>> Weak development of sandy clay on fracture planes

<<Alt: 285.27 - 300.53 Moderate Sericite>> Increased sericite abundance within an overall more strongly altered andesite; stronger alteration gives the andesite a somewhat coarser appearance; associated with minor epidote in the groundmass and in hairline veins as well as magnetite

<<Alt: 285.27 - 300.53 Weak Magnetite>> Overall higher magnetic susceptibility in a more strongly altered chlorite + sericite +/- epidote assemblage

<<Alt: 285.27 - 300.53 Weak Epidote-Chlorite>> Minor epidote in more sericite + chlorite altered groundmass; also associated with more magnetite

<<Alt: 300.53 - 333.81 Weak Sericite>> Evenly distributed in matrix of andesite

<<Alt: 333.66 - 333.81 Moderate Calcite>> Marked increase in calcite alteration in thin interval of andesite immediately above monzonite

<<Vein: 275.23 - 275.64 10% Calcite 5 deg. >> Calcite + hematite shear vein; pinch-and-swell from 1-20 mm thick; thin bands of hematite and wall rock

<<Vein: 275.64 - 284.43 0.1% Calcite 25 deg. >> Scattered calcite + epidote and hairline calcite veins

<<Vein: 284.43 - 284.69 5% Calcite 60 deg. >> Sheared andesite with calcite +/- hematite +/- pyrite shear veins

<<Vein: 284.69 - 288 0.5% Quartz-Carbonate 50 deg. >> Scattered calcite + quartz veins with white to pink calcite; also scattered calcite hairline veins

<<Vein: 288 - 298.81 0.1% Calcite 40 deg. >> Scattered hairline calcite and quartz + calcite veins

<<Vein: 297.81 - 297.84 10% Quartz-Carbonate 25 deg. >> Epidote rich calcite + quartz vein; true thickness 1 cm; offset on microfractures

<<Vein: 297.84 - 302.85 10% Quartz-Carbonate 50 deg. >> Calcite + quartz + hematite shear vein with contact-parallel shards of wall rock and within narrow sheared interval of andesite

<<Vein: 302.85 - 330.85 0.1% Calcite 40 deg. >> Scattered hairline calcite veins +/- epidote

<<Vein: 330.85 - 330.94 30% Calcite 40 deg. >> Calcite shear vein; white to pinkish calcite; includes lens-like inclusions of wall rock oriented parallel to contacts

<<Vein: 330.94 - 336.39 0.1% Calcite 35 deg. >> Scattered hairline calcite veins; one calcite shear vein with lenses of wall rock

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
261.89	263.08	1.19	S192434	2.3	90	250.66	1.1	1
263.08	264.36	1.28	S192435	2	83	192.04	1.07	0.7
264.36	266.38	2.02	S192436	1.7	77	160.37	0.85	0.8
266.38	268.45	2.07	S192437	0.8	85	179.11	1.06	0.6
268.45	270.50	2.05	S192438	0.9	86	175.84	1.51	0.7
270.50	272.55	2.05	S192439	5.7	99	179.6	0.9	0.5
272.55	274.60	2.05	S192441	4.3	93	171.4	1.32	0.8
274.60	275.68	1.08	S192442	7.3	117	176.9	1.56	1
275.68	277.86	2.18	S192443	5.4	96	161.97	0.15	0.8
277.86	280.00	2.14	S192444	6.6	95	178.57	0.19	0.6
280.00	282.19	2.19	S192446	2.6	87	159.22	0.72	0.5
282.19	284.33	2.14	S192447	4.8	106	172.88	0.62	0.6
284.33	285.28	0.95	S192448	3.3	142	171.27	1.05	0.4
285.28	287.45	2.17	S192449	2.9	92	184.01	0.32	0.6
287.45	289.58	2.13	S192451	2.5	102	185.26	1.21	0.7
289.58	291.75	2.17	S192452	2.4	116	182.12	0.67	0.8
291.75	293.87	2.12	S192453	2.8	83	150.52	0.49	0.8
293.87	296.00	2.13	S192454	2.1	93	166.42	0.3	0.6
296.00	298.26	2.26	S192455	2.3	97	173.19	0.26	0.9

From (m) To (m) Rocktype & Description

<<Struc: 264.36 - 264.37 contact 50 deg. >> Sharp lithological transition but weakly gradational contact between andesite and tuff (or flow top?)

<<Struc: 275.23 - 275.42 Weak fault 5 deg. >> Strongly fractured interval with minor clay on fracture planes

<<Struc: 283.12 - 283.69 Weak fault 55 deg. >> Weakly fractured interval passing downwards into clay altered hairline fractures

<<Struc: 284.43 - 284.69 Moderate Sheared 60 deg. >> Three closely spaced calcite + quartz shear veins with sheared andesite host rock

<<Struc: 302.85 - 302.9 Moderate Sheared 50 deg. >> Marked by shear vein and sheared andesite matrix

<<Struc: 304.42 - 304.75 Weak fault 15 deg. >> Moderately fractured interval with some clay alteration on the fracture planes

<<Struc: 311.05 - 311.21 Weak fault 15 deg. >> Fractured interval with weak clay development on fracture planes

<<Struc: 317.52 - 317.65 Weak fault 30 deg. >> Moderately fractured interval with minor sandy clay on fracture surfaces

<<Struc: 320.02 - 320.26 Weak fault 20 deg. >> Moderately fractured interval with minor sandy clay on fracture surfaces

<<Struc: 322.68 - 322.98 Weak fault 20 deg. >> Moderately fractured interval with minor sandy clay on fracture surfaces

333.81 336.39 MZPP Plagioclase Monzonite Porphyry Stock grey-green FMG

333.81 - 336.39: Moderately to weakly epidote + sericite + calcite altered monzonite; massive and equigranular texture

<<Alt: 333.81 - 336.5 Moderate Sericite>> Weak to strong pervasive patches of epidote + sericite alteration ranging from 5-80 cm in length

<<Alt: 333.81 - 336.5 Moderate Epidote-Chlorite>> Weak to strong pervasive patches of epidote + sericite alteration ranging from 5-80 cm in length

<<Alt: 333.81 - 338.86 Weak Haematite >> Scattered blood red hematite fracturing coatings; also as stringers in the groundmass and in calcite veins

<<Struc: 333.81 - 333.82 contact 35 deg. >> Sharp contact between monzonite and andesite

<<Struc: 335.03 - 336.5 Weak fault 10 deg. >> Strongly fractured interval with minor sandy clay

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
298.26	300.53	2.27	S192456	1.7	98	173.83	0.19	0.9
300.53	302.41	1.88	S192457	4.1	134	188.92	0.41	0.7
302.41	303.39	0.98	S192458	3.5	113	161.53	1.85	1.2
303.39	305.56	2.17	S192459	2.5	117	162.88	0.14	0.8
305.56	307.80	2.24	S192460	1.3	107	189.98	0.17	0.6
307.80	309.98	2.18	S192461	1.9	100	181.98	0.17	0.8
309.98	311.40	1.42	S192462	3.4	92	162.3	0.24	0.8
311.40	313.20	1.80	S192463	1.3	90	171.23	1.44	0.5
313.20	315.56	2.36	S192464	0.2	88	172.15	1.35	0.7
315.56	317.84	2.28	S192466	1	86	160.89	0.68	1
317.84	320.02	2.18	S192467	0.8	89	166.29	0.87	0.9
320.02	322.18	2.16	S192468	4.1	101	185.28	0.36	0.9
322.18	324.41	2.23	S192469	2.4	105	159.1	0.73	0.6
324.41	326.60	2.19	S192470	1.7	77	173.6	1.59	0.3
326.60	329.00	2.40	S192471	1.7	100	180.23	1.12	0.5
329.00	331.40	2.40	S192472	2.1	71	163.88	1.77	1.2
331.40	332.76	1.36	S192473	1.5	103	195.9	1.08	0.7
332.76	333.81	1.05	S192474	1	100	154.06	2.63	0.6
333.81	335.03	1.22	S192475	-0.2	25	27.96	2.16	0.6
335.03	336.39	1.36	S192476	1.3	42	22.63	3.27	5

From (m)	To (m)	Rocktype & Description

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
336.39	337.70	1.31	S192477	0.8	62	187.74	1.8	1.4
337.70	338.86	1.16	S192478	-0.2	73	167.85	1.5	0.7
338.86	340.22	1.36	S192479	3.2	89	101.27	2.15	22.7
340.22	341.03	0.81	S192481	1.5	57	57.06	0.71	8.4
341.03	342.12	1.09	S192482	3.8	65	20.73	0.84	19.2

336.39 338.86 APFW Pyroxene Andesite Porphyry Flow grey-green FG

336.39 - 338.86: Dark green, pervasively chloritized, massive (pyroxene-phyric?) andesite flow; groundmass appears to consist almost entirely of chlorite; no visible pyroxene phenocrysts; scattered phenocrysts and radiating phenocryst aggregates of plagioclase

<<Alt: 336.5 - 338.86 Weak Sericite>> Scattered patches of sericite + epidote alteration up to 20 cm in core length

<<Alt: 336.5 - 338.86 Weak Epidote-Chlorite>> Scattered patches of sericite + epidote alteration up to 20 cm in core length

<<Alt: 336.5 - 338.86 Moderate Chlorite >> Pervasive replacement of pyroxene phenocrysts with chlorite; also some chlorite aggregates radiating outwards from microfractures

<<Alt: 336.5 - 338.86 Weak Calcite>> Notable increase in veins, hairline veins and blebs

<<Vein: 336.39 - 338.36 2% Calcite 30 deg. >> Notably more abundant calcite +/- quartz +/- hematite veins and hairline calcite veins; calcite is mostly bright white; angle TCA measured on calcite + hematite vein

<<Vein: 338.36 - 340.22 7.5% Calcite 25 deg. >> Relatively large and well-defined calcite +/- chlorite veins, as well as calcite quartz blebs; largest calcite + chlorite vein comprises two types of calcite (white, yellow) and dark green chlorite along the bottom contact; true thickness of up to 5 cm for calcite + chlorite vein

338.86 342.12 BREX Breccia grey-green FG

338.86 - 342.12: Quartz + calcite + sericite sheared venin breccia; interleaved with strongly sheared and sericite-altered andesite

<<Min: 339.6 - 342.12 0.5% pyrite>> Slightly higher pyrite abundance within calcite + quartz vein breccia zone; pyrite forms disseminated layers in strongly foliated slithers of wall rock, small crystals along the margin of a quartz + calcite + chlorite vein and filling fractures

<<Alt: 338.86 - 342.12 Strong Sericite>> Strong pervasive sericite alteration in the upper part of breccia unit

<<Alt: 338.86 - 342.12 Weak Chlorite >> Pervasive replacement of relict pyroxene crystals with chlorite

<<Alt: 338.86 - 342.12 Moderate Calcite>> Pervasive in the groundmass and also as veins, hairline veins and blebs

<<Alt: 340.22 - 342.12 Strong Silicification >> Quartz + calcite vein breccia with strong sericite-altered slithers of wall rock

<<Vein: 340.22 - 342.12 70% Quartz-Carbonate 20 deg. >> Massive sheared quartz + calcite + sericite vein breccia; quartz is light greenish-grey, calcite is creamy white

<<Struc: 338.86 - 338.87 contact 45 deg. >> Sharp contact between andesite and breccia unit

<<Struc: 338.86 - 340.22 Moderate breccia 20 deg. >> Weak to moderately brecciated and altered upper part of the breccia unit in the Main Lithology; lithologies include strongly altered pyroxene-phyric andesite and more massive finer-grained rocks

<<Struc: 338.86 - 342.12 Moderate Sheared 20 deg. >> Weak to strongly foliated wall rock within breccia unit; strongest deformation occurs in the heart of the vein breccia, with thin slithers of wall rock showing strong penetrative deformation that trends parallel, and at low angle TCA, to quartz + calcite veins; margins of breccia unit consist of more massive rock that is locally deformed on 1-3 mm wide shear planes

From (m)	To (m)	Rocktype & Description

<<Struc: 340.22 - 342.12 Strong breccia 15 deg. >> Pervasively developed sheared quartz + calcite vein breccia; interleaved wall rock also strongly deformed; low angle TCA indicates this structure is much narrower than core width and sub-vertically oriented

342.12 371.65 APFW Pyroxene Andesite Porphyry Flow grey-green FG

342.12 - 371.65: Dark green, pervasively chloritized, massive (pyroxene-phyric?) andesite flow; groundmass appears to consist almost entirely of chlorite; no visible pyroxene phenocrysts; scattered phenocrysts and radiating phenocryst aggregates of plagioclase

<<Min: 342.12 - 352.95 0.1% pyrite>>

<<Min: 352.95 - 355.13 0.5% pyrite>> Increased abundance in interval with stronger sericite + calcite alteration; disseminated grains clustered together in the most strongly altered patches

<<Min: 355.13 - 371.56 0.1% pyrite>>

<<Min: 371.56 - 380.52 0.5% pyrite>> Slightly elevated abundance at andesite-monzodiorite contact, throughout the entire monzodiorite unit and into the upper part of the breccia

<<Alt: 342.12 - 342.6 Moderate Clay>> Moderate clay alteration in competent core; possible proto-fault gouge

<<Alt: 342.12 - 350.06 Weak Sericite>> Mostly as replacement product of plagioclase; occurs together with calcite

<<Alt: 342.12 - 352.95 Weak Calcite>> Mostly as replacement product of plagioclase; occurs together with calcite

<<Alt: 342.12 - 352.95 Moderate Chlorite >> Pervasive replacement of pyroxene phenocrysts and groundmass with chlorite so that most of the rock consists simply of radiating (sericite-altered?) plagioclase laths in a massive chlorite groundmass

<<Alt: 342.12 - 371.65 Weak Haematite >> Consistently developed on fracture planes

<<Alt: 342.6 - 345.42 Weak Clay>> Minor sandy clay development on fracture planes

<<Alt: 346.28 - 356.6 Weak Clay>> Minor sandy clay development on fracture planes

<<Alt: 350.06 - 351.06 Moderate Sericite>> Slightly higher abundance of pervasive sericite in association with more abundant hairline calcite veins

<<Alt: 351.06 - 352.95 Weak Sericite>> Mostly as replacement product of plagioclase; occurs together with calcite

<<Alt: 352.95 - 355.47 Weak Chlorite >>

<<Alt: 352.95 - 355.47 Moderate Sericite>> Weak to locally strong, over 10-20 cm, sericite alteration in association with increased calcite alteration as well

<<Alt: 352.95 - 355.47 Moderate Calcite>> Weak to locally strong, over 10-20 cm, sericite alteration in association with increased calcite alteration as well

<<Alt: 355.47 - 371.56 Moderate Chlorite >> Pervasive replacement of pyroxene phenocrysts and groundmass with chlorite so that most of the rock consists simply of radiating (sericite-altered?) plagioclase laths in a massive chlorite groundmass

<<Alt: 355.47 - 371.56 Weak Sericite>> Mostly as replacement product of plagioclase; occurs together with calcite

<<Alt: 356.48 - 357.48 Moderate Epidote-Chlorite>> Slightly stronger alteration in weakly developed breccia

<<Alt: 371.56 - 371.65 Strong Sericite>> Patches of pervasive sericite alteration interleaved with quartz + calcite shear vein

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
342.12	343.40	1.28	S192483	1.1	105	134.6	1.21	1.4
343.40	345.00	1.60	S192484	1.9	114	161.69	0.54	1.2
345.00	346.60	1.60	S192486	2	167	138.61	0.23	1.3
346.60	348.10	1.50	S192487	5.6	228	168.96	0.33	0.9
348.10	349.55	1.45	S192488	5.5	157	140.99	0.55	1.3
349.55	351.66	2.11	S192489	5.4	131	191.27	1.37	0.7
351.66	352.95	1.29	S192491	2.4	146	166.41	1.22	6
352.95	354.25	1.30	S192492	2.7	146	163.05	0.95	18.6
354.25	355.47	1.22	S192493	0.4	112	162.19	0.52	3.6
355.47	356.48	1.01	S192494	-0.2	89	175.19	0.28	1.6
356.48	357.47	0.99	S192495	0.8	88	142.17	0.58	1.8
357.47	358.75	1.28	S192496	2.6	91	163.65	0.62	1.2
358.75	360.66	1.91	S192497	4.5	98	162.05	0.58	0.9
360.66	362.53	1.87	S192498	3.4	72	155.66	0.55	0.7
362.53	364.44	1.91	S192499	2.3	114	185.34	0.84	0.9
364.44	366.53	2.09	S192500	9.7	115	188.15	2.35	0.9
366.53	368.54	2.01	S192501	6.6	241	277.9	2.77	1
368.54	369.29	0.75	S192502	3.1	92	122.28	0.24	0.9
369.29	370.95	1.66	S192503	2.7	97	171.18	0.48	0.9
370.95	371.65	0.70	S192504	3.7	139	162.63	1.16	4.2

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251

<<Alt: 371.56 - 371.65 Strong Calcite>> Calcite veining and flooding as part of shear vein structure

<<Alt: 371.56 - 371.65 Moderate Epidote-Chlorite>> Scattered patches with pervasive epidote alteration

<<Vein: 342.12 - 345.42 0.5% Quartz-Carbonate 20 deg. >> Scattered 1-2 mm thick calcite + quartz + hematite veins

<<Vein: 345.42 - 350.02 1% Calcite 35 deg. >> Fairly regular distribution of white hairline calcite veins and regular calcite + quartz + hematite veins

<<Vein: 350.02 - 351.66 3% Calcite 20 deg. >> Slightly higher abundance of hairline calcite veins and blebs in association with slightly stronger sericite alteration

<<Vein: 351.66 - 352.95 1% Calcite 25 deg. >> Scattered hairline calcite veins

<<Vein: 352.95 - 355.47 4% Quartz-Carbonate 25 deg. >> Increased abundance of hairline calcite veins and blebs; also more broken and microfractured quartz + calcite shear veins

<<Vein: 355.17 - 358.55 0.5% Calcite 70 deg. >> Scattered hairline calcite veins

<<Vein: 358.55 - 358.58 70% Quartz-Carbonate 60 deg. >> Calcite + quart shear vein with fragments of wall rock

<<Vein: 358.58 - 364.42 0.1% Quartz-Carbonate 15 deg. >> Scattered hairline calcite and regular calcite + quartz + hematite veins

<<Vein: 364.42 - 368.54 1% Quartz-Carbonate 5 deg. >> Fairly regular distribution of calcite + quartz + hematite veins; all veins oriented at very low angles TCA

<<Vein: 368.54 - 369.27 10% Quartz-Carbonate 35 deg. >> Three regularly distributed calcite + quartz +/- epidote +/- hematite shear veins; true thickness ranges from 2-7 cm

<<Vein: 369.27 - 371.56 0.5% Quartz-Carbonate 35 deg. >> Scattered hairline and regular calcite +/- quartz veins

<<Vein: 371.56 - 371.65 80% Quartz-Carbonate 30 deg. >> Massive, diffuse, calcite + quartz + sericite shear vein at contact between andesite and monzodiorite

<<Struc: 342.12 - 342.13 contact 25 deg. >> Sharp contact between vein breccia unit and andesite

<<Struc: 342.12 - 345.42 Weak fault 25 deg. >> Long fractured interval; the upper-most 50 cm consist of moderate pervasively clay altered andesite in strongly competent rock, possibly comprising a proto-fault gouge on the margin of the vein breccia unit

<<Struc: 346.28 - 346.6 Weak fault 40 deg. >> Fractured interval with minor sandy clay on fracture planes

<<Struc: 347.38 - 347.53 Weak fault 25 deg. >> Fractured interval with minor sandy clay on fracture planes

<<Struc: 347.79 - 348.1 Weak fault 60 deg. >> Fractured interval with minor sandy clay on fracture planes

<<Struc: 349.75 - 350.02 Moderate fault 20 deg. >> Heavily fractured interval with 1-2 mm thick layers of fault gouge on fracture surfaces and a 5 cm interval of massive sandy clay gouge

<<Struc: 351.06 - 352.07 Weak fault 20 deg. >> Fractured interval with minor sandy clay on fracture planes

<<Struc: 354.03 - 355.47 Weak fault 30 deg. >> Weakly fractured interval with 1-3 mm clay coatings

<<Struc: 362.08 - 362.41 Weak fault 35 deg. >> Weakly fractured with trace clay coatings on a few fractures

<<Struc: 363.02 - 363.34 Weak fault 65 deg. >> Weakly fractured with trace clay coatings on a few fractures

<<Struc: 370.06 - 370.95 Weak fault 40 deg. >> Weakly fractured with trace clay coatings on a few fractures

From (m)	To (m)	Rocktype & Description

371.65 377.65 MNDR Monzodiorite grey FMG

371.65 - 377.65: Massive, grey to dark grey, (monzo?)diorite with plagioclase phenocrysts up to 1 cm in size; rock has a "washed" out appearance to it that appears to be from pervasive calcite + chlorite alteration; chlorite forms small, light-green, lath-like crystals that overprint the groundmass: no K-feldspar crystals observed but proximity to underlying monzodiorite and washed-out appearance suggests these crystals may been destroyed during alteration

<<Alt: 371.65 - 371.82 Strong Chlorite >> Near total replacement of monzodiorite with chlorite at contact with andesite

<<Alt: 371.82 - 377.65 Weak Sericite>> Pervasive in the groundmass but less conspicuous than chlorite; forms small beige crystals

<<Alt: 371.82 - 377.65 Moderate Chlorite >> Randomly oriented light green chlorite laths (1-2 mm) that overgrown the groundmass and impart a distinct light greenish-grey colour to the monzodiorite (which is usually purplish)

<<Alt: 371.82 - 377.65 Weak Calcite>> Scattered patches of calcite that impart a distinctly pale colouration to the unit

<<Alt: 371.82 - 378.4 Weak Clay>> Mostly on fracture planes in extensive fault zone; also semi-massive with sand and gravel over 1 m

<<Vein: 371.65 - 377.65 0.1% Calcite 45 deg. >> Scattered hairline calcite veins

<<Struc: 371.65 - 371.66 contact 30 deg. >> Sharp contact between andesite and monzodiorite; marked by 10 cm wide calcite + quartz shear vein

<<Struc: 371.82 - 378.4 Moderate fault 15 deg. >> Long and strongly fractured interval developed mostly on monzodiorite, which appears to be taking most of the brittle strain; minor sandy clay on fracture surfaces together with a 1 m long interval consisting mostly of sand, gravel and minor clay

377.65 386.65 BREX Breccia grey FG

377.65 - 386.65: Complex mixture of different lithologies and clast sizes that is sheared, altered and veined; interval contains several 50-100 m stretches that appear lithologically monotonous; other intervals show clear juxtaposition of different rock types and other intervals are clearly breccia, comprising clasts ranging from 1-5 cm in size set within a fine-grained matrix; some of the fine-grained lithologies show a marked foliation that is similar in appearance and angle TCA to that seen in the breccia interval above; calcite +/- quartz veins are relatively abundant

<<Min: 380.52 - 382.41 0.1% pyrite>> Most sulphide as pyrrhotite

<<Min: 380.52 - 382.41 1% pyrrhotite>> Small rounded pyrrhotite crystals associated with the strongly altered and deformed core of the breccia unit

<<Min: 382.41 - 385.11 0.5% pyrite>> Less silicified and sericite-altered parts of this structure appear to be associated with pyrite

<<Min: 385.11 - 386.65 1% pyrrhotite>> Small rounded pyrrhotite crystals associated with strongly silicified and sericite altered subintervals of this breccia unit

<<Alt: 377.65 - 380.52 Moderate Chlorite >> Relatively massive upper part of the breccia unit consisting of chlorite + calcite +/- sericite alteration

<<Alt: 377.65 - 380.52 Moderate Calcite>> Relatively massive upper part of the breccia unit consisting of chlorite + calcite +/- sericite alteration

<<Alt: 377.65 - 382.41 Strong Sericite>> Patches showing near total replacement by beige sericite

<<Alt: 380.52 - 382.41 Moderate Silicification >> Localized silicification of calcite + sericite flooded zone

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
371.65	372.50	0.85	S192506	3.8	42	13.68	0.4	1.7
372.50	374.20	1.70	S192507	1.1	29	6.56	0.24	0.6
374.20	375.90	1.70	S192508	1.1	43	7.13	0.16	0.8
375.90	377.65	1.75	S192509	10.2	36	7.18	0.14	0.5
377.65	378.55	0.90	S192510	5.8	100	80.7	0.16	3.1
378.55	380.52	1.97	S192511	5.9	125	76.7	0.59	25.5
380.52	381.45	0.93	S192512	5.2	45	5.79	0.86	17.9
381.45	382.41	0.96	S192513	8.9	108	9.41	1.19	23.6
382.41	383.50	1.09	S192514	5.1	172	101.53	1.55	42.5
383.50	384.57	1.07	S192515	6.2	132	83.91	1.07	29.9
384.57	385.51	0.94	S192516	6.4	122	56.65	1.26	36
385.51	386.65	1.14	S192517	6.8	221	110.86	0.96	57.1

From (m)	To (m)	Rocktype & Description

<<Alt: 380.52 - 382.41 Moderate Epidote-Chlorite>> Unidentified brownish green mineral that could be a variety of epidote? Occurs in small scattered patches

<<Alt: 380.52 - 382.41 Strong Chlorite >> Small scattered patches consisting entirely of very dark green chlorite

<<Alt: 380.52 - 382.41 Strong Calcite>> Veins and floods of calcite; veins calcite is bright creamy white; matrix calcite is yellowish

<<Alt: 382.41 - 384.57 Moderate Sericite>> Relatively massive central part of the breccia unit consisting of chlorite + calcite +/- sericite alteration

<<Alt: 382.41 - 384.57 Moderate Chlorite >> Relatively massive central part of the breccia unit consisting of chlorite + calcite +/- sericite alteration

<<Alt: 382.41 - 386.65 Moderate Calcite>> Relatively massive central part of the breccia unit consisting of chlorite + calcite +/- sericite alteration

<<Alt: 384.57 - 386.65 Strong Silicification >> 1-40 cm patches that show pervasive strong silicification

<<Alt: 384.57 - 386.65 Strong Sericite>> Pervasive throughout the entire interval with patches that consist nearly entirely of sericite

<<Alt: 384.57 - 386.65 Weak Chlorite >> Still pervasive but subordinate to all other secondary minerals in this interval

<<Vein: 377.65 - 379.05 0.5% Calcite 45 deg. >> Scattered hairline calcite veins in the uppermost part of breccia unit

<<Vein: 379.05 - 380.52 10% Quartz-Carbonate 25 deg. >> Calcite + quartz veins and blebs; quartz + calcite + sericite pinch-and-swell shear veins; hairline calcite veins

<<Vein: 380.52 - 382.41 25% Quartz-Carbonate 10 deg. >> Strongly veined and foliated core of the breccia zone; veins include discontinuous large blebs of bright creamy white calcite; quartz + white calcite shear veins; quartz + calcite blebs

<<Vein: 382.41 - 384.57 3% Quartz-Carbonate 10 deg. >> Quartz + calcite +/- sericite shear veins and blebs; also hairline calcite veins

<<Vein: 384.57 - 386.65 5% Quartz-Carbonate 25 deg. >> Quartz + calcite +/- sericite shear veins and blebs; also hairline calcite veins

<<Struc: 377.65 - 386.65 Moderate breccia 10 deg. >> Described under Main Lithology as a breccia unit; oriented at low angle TCA so likely comprises a sub-vertical structure

<<Struc: 381.52 - 385.77 Moderate Sheared 10 deg. >> Core of the breccia zone is strongly deformed and foliated at very low angle TCA

386.65 397.92 APFW Pyroxene Andesite Porphyry Flow dark grey FMG

386.65 - 397.92: Relatively strongly altered and dark (pyroxene-phyric?) andesite unit; no pyroxene crystals seen but very likely that they could be completely altered to chlorite; preserved plagioclase phenocrysts show a similar abundance and crystal habit to that in typical APFW; this interval is also affected by pervasive calcite and sericite alteration

<<Min: 386.65 - 388.15 0.5% pyrite>> Disseminated within slightly ore altered and veined andesite immediately below breccia unit

<<Min: 388.15 - 397.92 0.1% pyrite>>

<<Alt: 386.65 - 388.15 Moderate Sericite>> Weakly pervasive in the groundmass as well as moderately pervasive in scattered patches ranging up to 10 cm in size

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
386.65	388.14	1.49	S192518	5.4	218	181.93	0.86	2.8
388.14	389.42	1.28	S192519	5.9	165	156.19	0.66	1.1
389.42	391.00	1.58	S192521	4.8	105	160.07	0.6	0.6
391.00	392.68	1.68	S192522	4.3	81	159.44	0.82	1.4

From (m)	To (m)	Rocktype & Description
		<<Alt: 386.65 - 397.92 Moderate Chlorite >> Andesite with dark matrix that is mostly altered to chlorite and calcite
		<<Alt: 386.65 - 397.92 Moderate Calcite>> Andesite with dark matrix that is mostly altered to chlorite and calcite
		<<Alt: 388.15 - 397.92 Weak Sericite>>
		<<Vein: 386.65 - 388.15 4% Quartz-Carbonate 35 deg. >> Calcite + quartz blebs, veins and shear veins; hairline calcite veins
		<<Vein: 388.15 - 397.92 1% Quartz-Carbonate 25 deg. >> Fairly even distribution of quartz + calcite veins, blebs and hairline veins
		<<Struc: 386.65 - 386.66 contact 20 deg. >> Sharp contact between base of breccia and andesite
		<<Struc: 389.18 - 389.42 Weak fault 25 deg. >> Moderately fractured rock with minor gravel and sand sized particles
397.92	**401.42**	**MNDR Monzodiorite grey FMG**
		397.92 - 401.42: More typical monzodiorite with mostly grey plagioclase phenocrysts, from 1-6 mm in size, and much lesser abundance of creamy white K-feldspar crystals; matrix is the typical purplish grey colour and appears to be more sericite altered
		<<Min: 397.92 - 401.42 0.5% pyrite>> Typical slightly higher background pyrite abundance in monzodiorite units
		<<Alt: 397.92 - 401.42 Weak Chlorite >> Light green laths that overgrow the matrix; significantly less chlorite alteration than above interval
		<<Alt: 397.92 - 401.42 Weak Calcite>>
		<<Alt: 398.37 - 400.58 Weak Clay>> Sandy clay on fracture planes; also in semi-massive sand, clay and gravel gouge
		<<Vein: 397.92 - 401.42 0.5% Quartz-Carbonate 30 deg. >> Scattered hairline calcite veins; also a few larger quartz + calcite veins and blebs
		<<Struc: 398.37 - 400.58 Moderate fault 50 deg. >> Strongly fractured interval developed mostly on monzodiorite, which appears to be taking most of the brittle strain; minor sandy clay on fracture surfaces together with a 1 m long interval consisting mostly of sand, gravel and minor clay

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
392.68	394.30	1.62	S192523	3	93	153.09	0.79	1.8
394.30	396.13	1.83	S192524	2.4	87	175.33	0.72	2.4
396.13	397.92	1.79	S192526	3	124	159.42	1.26	0.8
397.92	399.75	1.83	S192527	10.8	56	9.71	0.34	0.6
399.75	401.42	1.67	S192528	0.6	82	62.22	0.39	0.5

End of Hole @ 401.42

GeoSpark Logger ~ Drill Log

Project: Mt Milligan **Hole Number:** 15-1022

Prospect:	Snell	Hole Type:	DD	Survey Type:	GPS	Logged By:	Thomas Branson
Grid:	NAD83_Z10	Hole Diameter:		Survey By:	Thomas Branson	Date Logging Start:	25/10/2015
UTM Easting	430094	Core Size:	NQ	Azimuth:	0	Date Logging Complete:	31/10/2015
UTM Northing:	6112447	Casing Pulled?:	Yes	Dip:	-90	Drill Company:	LDS
UTM Elev. (m):	1085	Casing Depth (m):	16.76	Length (m):	398.37	Drill Rig:	Rig1
Local Easting:		Stored?:	Yes	Claims Title		Drill Started:	22/10/2015
Local Northing:		Cemented?:	No	Core Storage Loc.:		Drill Completed:	27/10/2015
Local Elev. (m):							

Comments:

This hole was designed to test the coincident Snell magnetic anomaly, strong IP chargeability and conductivity high.

Drilling collared into brecciated andesite unit at 16.8 m depth, with pebble to cobble sized clasts of andesite to monzonite with a fine-grained matrix altered mainly to calcite, though sericite, albite and silica also altering matrix and clasts. Brecciation continues to 56.7 m where a 2 m sliver of calcareous argillite was intersected. Andesite pyroxene flows (71%) dominate to the bottom of the hole at 398 m, with porphyritic monzonite (29%) dykes (typically 2-10 m) locally cutting andesite units. From 228.4-291.1, a hornblende monzonite unit was intersected with abundant faulting and common clay alteration reducing the competency of the unit.

Pyrite abundances for the hole are typically low, around 0.1-0.3% and mainly disseminated, though is more abundant in monzonite dykes and in clay fault gouge and fault breccia. Calcite veining, stringers and veinlets is near ubiquitous and commonly associated with epidote, less commonly with pyrite. Local quartz+pyrite veins were noted within coarse grained porphyritic monzonite between 216-226 m. Fracture related hematite is common through most of the hole and is particularly abundant from 375 m to the end of hole at 398 m.

Alteration in the andesite pyroxene flows consists of mainly sericite +/- calcite alteration with localized narrow bands (5-30 cm) of epidote altering the groundmass but not pyroxene phenocrysts. Chlorite is found towards the bottom of the hole along fractures and altering pyroxenes. Strong albite alteration from 287-296 m bleaches the host monzonite and also has an increased disseminated pyrite. Biotite alteration appears overprinted by sericite within the monzonite unit between 228-291 m.

Most of the hole is broken and rubbly with abundant faulting, particularly the monzonite between 228-291 m. Towards the bottom of the hole from 375 m, there is a distinct weak shear texture to the andesite, also coinciding with increased chlorite alteration.

It is unclear what is causing the chargeabilty high in the area surrounding this hole, compared to Holes 15-1020 and 15-1021 where the interleaved graphitic argillites at the top of the hole were attributed to the chargeability high. Monzonite dykes at the top of the hole have elevated magnetic susceptibility and could account for the coincident magnetic anomaly.

Downhole Surveys:

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
26.52	-88.7	11.4	18.5	29.9	ReflexEZS	LDS drilling	23/10/2015	5888	✔	
72.24	-87.3	18.8	18.5	37.3	ReflexEZS	LDS drilling	23/10/2015	5879	✔	
117.96	-87.8	25.8	18.5	44.3	ReflexEZS	LDS drilling	23/10/2015	5901	✔	
175.87	-88.7	21.8	18.5	40.3	ReflexEZS	LDS drilling	24/10/2015	5897	✔	
209.4	-88.4	32.9	18.5	51.4	ReflexEZS	LDS drilling	24/10/2015	5917	✔	
255.12	-89	45.9	18.5	64.4	ReflexEZS	LDS drilling	25/10/2015	5943	✔	
300.84	-88.8	48.1	18.5	66.6	ReflexEZS	LDS drilling	25/10/2015	5885	✔	
346.561	-89	45.9	18.5	64.4	ReflexEZS	LDS drilling	27/10/2015	5915	✔	

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
398.37	-88.9	48	18.5	66.5	ReflexEZS	LDS drilling	27/10/2015	6036	✔	

From (m) To (m) Rocktype & Description

0.00 16.76 CASE Casing/Overburden

0 - 16.76: Casing

16.76 27.11 APFW Pyroxene Andesite Porphyry Flow grey pink MG

16.76 - 27.11: Broken to competent brecciated andesite flow with pebble to cobble size clasts, moderate oxidation along fractures, moderate pervasive calcite alteration.

<<Alt: 16.76 - 27.11 Moderate Calcite>> Pervasive calcite

<<Alt: 16.76 - 28 Moderate Goethite>> Patchy, fracture related oxidation

<<Vein: 16.76 - 27.11 0.5% Calcite>> Hairline calcite stringers

<<Struc: 16.76 - 56.74 moderate to strong Brecciated >> Variable brecciation ranging from clast supported to matrix supported. Clasts variably altered by sericite and biotite (?); matrix commonly calcite and albite altered, especially from 27.11 m. Monzonite and andesite clasts hosted in breccia, but predominately andesite

27.11 56.74 APFW Pyroxene Andesite Porphyry Flow light grey MCG

27.11 - 56.74: Broken to competent brecciated andesite flow with variable albite, sericite, calcite and silica alteration of ground mass and breccia clasts.

<<Min: 35.6 - 40.5 0.3% pyrite>> Locally fracture-related

<<Min: 45 - 46.5 0.3% pyrite>> Locally fracture related

<<Min: 47.8 - 48.5 0.3% pyrite>> Fracture/vein related pyrite,

<<Min: 54.15 - 54.9 1% pyrite>> Abundant pyrite in faulted vein zone along fractures

<<Min: 55.5 - 55.6 0.3% pyrite>> Associated with calcite veinlets

<<Alt: 27.11 - 46.5 Weak to moderate Calcite>> Altering matrix of breccia

<<Alt: 27.11 - 55.6 Moderate Sericite>> Variable sericite alteration of brecciated clasts,

<<Alt: 27.11 - 55.6 moderate to strong Albitisation >> Altering matrix of breccia

<<Alt: 28.15 - 29.57 Moderate Quartz>>

<<Alt: 35.6 - 37.07 Moderate Quartz>>

<<Alt: 45.05 - 45.1 Weak Chlorite >>

<<Alt: 46.5 - 49.95 Weak to moderate Calcite>> Calcite less common than above, locally altering plagioclase crystals

<<Alt: 46.5 - 56.74 moderate to strong Quartz>>

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
17.37	18.37	1.00	S192529	1.4	159	71.62	0.93	4.7
18.37	19.35	0.98	S192531	-0.2	125	69.55	0.9	4.6
19.35	22.00	2.65	S192532	-0.2	185	78.82	0.75	7.3
22.00	24.65	2.65	S192533	1.6	200	112.91	0.73	6.8
24.65	27.11	2.46	S192534	0.9	194	149.61	0.77	7.5
27.11	29.57	2.46	S192535	-0.2	177	137.86	0.54	2.7
29.57	31.00	1.43	S192536	0.6	231	147.05	0.66	6
31.00	33.00	2.00	S192537	-0.2	82	110.3	0.78	5.9
33.00	34.05	1.05	S192538	2.3	68	127.44	0.74	3.4
34.05	36.00	1.95	S192539	1.8	82	129.35	0.88	5.8
36.00	38.65	2.65	S192540	-0.2	103	125.08	1.15	7.3
38.65	40.50	1.85	S192541	3	101	151.38	0.87	3.6
40.50	42.35	1.85	S192542	-0.2	80	117.14	0.26	3.2
42.35	43.60	1.25	S192543	-0.2	87	140.77	0.81	5
43.60	46.50	2.90	S192544	0.9	83	163.37	1.35	5.4
46.50	49.00	2.50	S192546	-0.2	92	132.77	0.68	4.3
49.00	50.90	1.90	S192547	3.1	93	138.44	1.32	6.8
50.90	53.30	2.40	S192548	-0.2	81	145.77	0.55	6.2
53.30	55.60	2.30	S192549	0.9	79	137.12	0.78	14.3

From (m)	To (m)	Rocktype & Description

<<Alt: 49.95 - 55.6 moderate to strong Calcite>> Altering of breccia matrix and locally plagioclase crystals

<<Alt: 55.6 - 58.83 moderate to strong Calcite>> Strong alteration of argillite and breccia matrix above 56.74m

<<Vein: 34.04 - 38.55 0.5% Calcite>> Minor hairline calcite stringers

<<Vein: 36.95 - 36.95 1% Calcite 35 deg. >> Calcite vein

<<Vein: 49.5 - 49.55 1% Calcite>> "Z" deformed vein of calcite with stringers

<<Vein: 54.15 - 54.9 1% Calcite>> Calcite veinlets in fault hosting pyrite

<<Vein: 55.5 - 55.55 0.3% Calcite 43 deg. >> Hairline calcite veinlets hosting pyrite

<<Struc: 27.11 - 28.15 Moderate fault>> Broken and gougey at transition between strong alteration below and strong alteration above

<<Struc: 29.57 - 29.7 Strong fault>> Grey fault gouge

<<Struc: 29.7 - 30.4 Moderate fault>> Broken and rubbly with minor gouge

<<Struc: 34.04 - 35.6 moderate to strong fault>> Broken and rubbly with minor gouge

<<Struc: 37.07 - 37.15 Moderate fault>> Mainly gouge

<<Struc: 38.06 - 38.55 Moderate fault>> Localized gouge, broken and rubbly

<<Struc: 42.3 - 43.6 Moderate fault>> Broken and gougey

<<Struc: 46.6 - 46.7 Weak to moderate fault>> Rubbly zone

<<Struc: 49.62 - 49.65 moderate to strong fault 50 deg. >> Soft gougey fault

<<Struc: 54.15 - 54.9 Weak to moderate fault>> Broken zone of core with pyrite along fractures

<<Struc: 55.6 - 56.74 moderate to strong contact>> Brecciated contact zone with dark fine-grained matrix cutting larger clasts of andesite and lesser monzonite, grading into argillite

56.74 58.83 ARGC Calcareous graphitic argillite dark grey FG

56.74 - 58.83: Partially broken calcareous argillite, intercalated with breccia matrix towards upper contact

<<Min: 56.74 - 58.83 0.3% pyrite>> Locally up to 1%

<<Min: 58.25 - 58.35 1% pyrite>> Hosted in argillite bedding

<<Vein: 56.74 - 58.5 0.5% Calcite>> Mainly discordant calcite stringers, locally concordant

<<Vein: 58.5 - 58.83 3% Calcite>> Increased calcite veining above faulted contact with andesite below

<<Struc: 58.3 - 58.4 moderate to strong Bedded 53 deg. >> S1of argillite, hosting pyrite locally

58.83 95.64 APFW Pyroxene Andesite Porphyry Flow grey-green FMG

58.83 - 95.64: Commonly broken, but typically competent andesite flow with characteristic pyroxene-plagioclase phyric porphyry texture.

<<Min: 58.83 - 58.99 0.3% pyrite>> Hosted in fault gouge

<<Min: 58.99 - 60.12 0.3% pyrite>> Trace pyrite in fracture fill and less commonly disseminated

<<Min: 60.12 - 68.7 0.1% pyrite>> Trace finely disseminated pyrite

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
55.60	56.74	1.14	S192550	1.7	108	159.96	1.36	7.5
56.74	58.83	2.09	S192551	-0.2	173	144.84	2.28	25.3
58.83	60.12	1.29	S192552	-0.2	186	97.97	0.87	13.2
60.12	62.62	2.50	S192553	0.3	140	179.36	0.94	22.5
62.62	64.75	2.13	S192554	-0.2	91	173.16	0.65	2.3
64.75	65.61	0.86	S192555	1.4	86	133.24	1.18	2.7

From (m)	To (m)	Rocktype & Description
		<<Min: 68.7 - 68.85 0.5% pyrite>> Disseminated pyrite hosted in a faulted vein zone.
		<<Min: 68.85 - 72 0.1% pyrite>> Trace disseminated pyrite, locally fracture related
		<<Min: 72.3 - 75 0.3% Hematite>> Fracture related hematite, patchy over the interval
		<<Min: 75 - 78.73 0.1% pyrite>> Finely disseminated pyrite
		<<Min: 76.7 - 76.85 0.1% Hematite>> Minor hematite along fractures
		<<Min: 78.83 - 84.43 0.1% pyrite>> Trace pyrite finely disseminated in groundmass
		<<Min: 89 - 89.25 0.5% pyrite>> Calcite-epidote-pyrite veining locally
		<<Min: 89.25 - 95.64 0.1% pyrite>> Trace disseminated pyrite
		<<Alt: 58.99 - 60.12 Moderate Sericite>> Sericite forming selvages along fractures and hairline veinlets
		<<Alt: 58.99 - 60.12 Moderate Quartz>> Pervasive silica
		<<Alt: 58.99 - 60.6 Moderate Biotite>> Purplish tinge to andesite and locally overprinted by sericite fracture and vein selvage
		<<Alt: 60.35 - 60.6 moderate to strong Calcite>> Localized strong calcareous alteration
		<<Alt: 60.6 - 67 Weak to moderate Calcite>> Weak to moderate pervasive calcite alteration
		<<Alt: 60.6 - 67 Weak to moderate Sericite>> Pale greenish colour of andesite through interval, altering groundmass
		<<Alt: 60.6 - 70.15 Moderate Quartz>> Pervasive silica up to a minor fault
		<<Alt: 64.75 - 65 moderate to strong Epidote-Chlorite>> Light greenish cream alteration forming in 5-10cm bands, altering groundmass. Lighter in colour than typical epidote, perhaps albite?
		<<Alt: 65.57 - 65.71 moderate to strong Epidote-Chlorite>> Light greenish cream alteration forming in 5-10cm bands, altering groundmass. Lighter in colour than typical epidote, perhaps albite? Minor breccia zone
		<<Alt: 67 - 70.7 Weak Sericite>> Patchy sericite alteration
		<<Alt: 67 - 81 Moderate Calcite>> Patchy calcareous alteration commonly associated with pale greenish sericite alteration of groundmass.
		<<Alt: 70.3 - 72.55 Moderate Quartz>> Variably silica altered
		<<Alt: 70.7 - 81 Weak to moderate Sericite>> Pale greenish colour of ground mass and commonly associated with calcareous alteration.
		<<Alt: 74.93 - 75.14 Moderate Epidote-Chlorite>> Light pale green alteration of groundmass in 5-10cm band and in fault.
		<<Alt: 75.14 - 76.85 Weak to moderate Epidote-Chlorite>> Veined epidote with calcite veining
		<<Alt: 76.85 - 81.5 Moderate Quartz>> Moderate pervasive silica
		<<Alt: 78.73 - 80.3 Moderate Epidote-Chlorite>> Localized epidote in bands and rarely associated with calcite veining
		<<Alt: 81 - 89.25 Weak to moderate Calcite>> Variable calcareous alteration of groundmass
		<<Alt: 84.43 - 89.25 moderate to strong Epidote-Chlorite>> Commonly related to calcite veining, though locally altering groundmass
		<<Alt: 84.43 - 89.25 Weak to moderate Sericite>> More evenly distributed than epidote but also patchy through interval. Altering primarily groundmass

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
65.61	67.00	1.39	S192556	-0.2	123	172.74	0.65	1
67.00	68.70	1.70	S192557	1.2	124	151.22	0.55	1.5
68.70	70.60	1.90	S192558	1.3	322	171.15	0.36	1
70.60	73.00	2.40	S192559	0.5	201	176.78	0.65	0.4
73.00	74.93	1.93	S192561	3.8	133	163.17	0.67	1.9
74.93	76.85	1.92	S192562	2.3	98	201.38	0.77	0.5
76.85	78.73	1.88	S192563	3.7	83	154.38	0.51	0.2
78.73	81.50	2.77	S192564	3.2	90	162.7	0.87	0.5
81.50	84.43	2.93	S192566	2.2	77	176.9	0.68	0.9
84.43	86.78	2.35	S192567	-0.2	92	156.83	1.35	0.6
86.78	89.25	2.47	S192568	2.8	100	146.66	1.05	1.2
89.25	91.50	2.25	S192569	0.3	72	145.58	0.78	0.7
91.50	93.57	2.07	S192571	3.2	152	185.03	0.63	-0.1
93.57	95.64	2.07	S192572	3	181	172.31	0.87	1.2

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251

<<Alt: 89.25 - 95.64 Weak to moderate Sericite>> Greenish pervasive tinge

<<Alt: 89.25 - 95.64 Weak to moderate Calcite>> Variable calcareous alteration of groundmass and plagioclase phenocrysts

<<Vein: 58.99 - 60.12 3% Calcite>> Hairline veinlets/fractures commonly with sericite selvages

<<Vein: 60.35 - 63.3 0.3% Calcite>> Minor calcite stringers through interval

<<Vein: 63.3 - 68.7 2% Calcite>> Common calcite veining and stringers

<<Vein: 68.7 - 68.85 5% Calcite 41 deg. >> Faulted calcite veining with minor vein breccia

<<Vein: 68.85 - 74.93 2% Calcite>> Common calcite stringers ranging from hairline to 5mmand variable orientation to core axis

<<Vein: 75 - 76.85 2% Calcite>> Calcite+Epidote veinlets and deformed veins

<<Vein: 76.85 - 84.43 1% Calcite>> Variable calcite veining, rarely with epidote

<<Vein: 84.43 - 85.62 2% Calcite>> Calcite+epidote veining, locally up to 10mm wide

<<Vein: 85.7 - 91 1% Calcite>> Mainly calcite veins and stringers, with somewhat common epidote selvages between 86.6-89.25

<<Vein: 91 - 93 0.5% Calcite>> Minor calcite stringers

<<Vein: 93 - 95 2% Calcite>> Increased abundance of calcite veining with cm-scale 'blowouts' locally.

<<Vein: 95 - 97.44 0.5% Calcite>> Minor calcite veinlets and stringers

<<Struc: 58.83 - 58.83 moderate to strong contact 70 deg. >> Faulted below contact

<<Struc: 58.83 - 58.99 Strong Fault zone 90 deg. >> Soft, faulted gouge at contact between argillite and andesite, hosting disseminated pyrite. Vein material and coarse sand entrained within gouge

<<Struc: 60 - 60.35 moderate to strong Fault zone 48 deg. >> Faulted, semi-competent zone with calcite veins paralleling fault

<<Struc: 60.95 - 61.05 Moderate Brecciated >> Breccia with angular coarse to pebble sized clasts in calcite supported matrix

<<Struc: 65.57 - 65.71 Weak to moderate Brecciated 70 deg. >> Minor breccia zone with light coloured matrix, light olive green in colour, but lighter than typical epidote

<<Struc: 68.7 - 68.85 Moderate Fault zone 41 deg. >> Faulted vein zone with calcite veins hosting pyrite, local vein breccia.

<<Struc: 69.44 - 69.51 Moderate Xenoliths/Inclusions 47 deg. >> Minor grey aphanitic dyke cutting andesite.

<<Struc: 70.15 - 70.3 moderate to strong fault>> Gouge zone

<<Struc: 72.55 - 72.63 Moderate fault>> Soft, gougey fault

<<Struc: 73.33 - 73.37 Weak to moderate Brecciated 70 deg. >> Minor breccia with light pale green matrix

<<Struc: 74.93 - 75 Moderate fault 90 deg. >> Semi-competent fault with minor hematite and vein material

<<Struc: 78.73 - 78.73 Moderate Veining - fracture fill 45 deg. >> Calcite-epidote vein, 6mm

<<Struc: 84.43 - 84.5 moderate to strong Veining - fracture fill 24 deg. >> Epidote-calcite vein, 10mm

<<Struc: 85.62 - 85.7 Moderate fault 80 deg. >> Minor fault with moderate gouge

<<Struc: 90 - 90.15 Weak to moderate fault>> Broken and rubbly

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251

<<Struc: 91.15 - 91.5 Moderate fault>> Broken and rubbly

<<Struc: 92.22 - 92.4 Moderate fault>> Broken and rubbly with weak gouge

<<Struc: 94.03 - 94.11 Moderate Sheared 80 deg. >> Minor shear with soft gouge

95.64 97.44 MZPP Plagioclase Monzonite Porphyry Stock salt + pepper FMG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
95.64	97.44	1.80	S192573	154.4	48	32.24	0.56	2.4

95.64 - 97.44: Broken at top of unit but competent from 96.5 m. Black groundmass with >30% medium to coarse grained plagioclase phenocrysts, 5-10% pyroxene phenocrysts with finely disseminated pyrite.

<<Min: 95.64 - 97.44 0.5% pyrite>> Finely disseminated pyrite hosted in groundmass of monzonite

<<Alt: 95.64 - 97.44 Weak Epidote-Chlorite>> Fine grained epidote disseminated in groundmass and fractures

<<Struc: 95.64 - 95.64 Moderate contact 65 deg. >> Sharp contact between andesite flow and monzonite

<<Struc: 95.64 - 96.5 Moderate fault>> Broken and rubbly with minor gouge and disseminated pyrite

97.44 101.10 APFW Pyroxene Andesite Porphyry Flow dark grey FMG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
97.44	99.00	1.56	S192574	17.8	296	130.36	8.65	1.3
99.00	101.10	2.10	S192575	15.4	248	139.24	8.56	0.4

97.44 - 101.1: Competent andesite flow with abundant calcite veining and associated chlorite alteration

<<Min: 97.44 - 101.1 0.5% pyrite>> Fracture and vein related fine to medium grained pyrite cubes

<<Alt: 97.44 - 101.1 Moderate Chlorite >> Fracture and vein related chlorite

<<Alt: 97.44 - 101.1 moderate to strong Calcite>> Calcareous

<<Vein: 97.44 - 101.1 3% Calcite>> Abundant calcite veining and stringers, commonly with chlorite alteration and fine to medium pyrite cubes

<<Struc: 97.44 - 97.44 Moderate contact 40 deg. >> Contact between monzonite and andesite flow

<<Struc: 99.76 - 99.78 Moderate Veining - fracture fill 55 deg. >> Quartz-chlorite-calcite-pyrite vein, 15mm

101.10 103.90 MZPP Plagioclase Monzonite Porphyry Stock salt + pepper FMG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
101.10	103.90	2.80	S192576	1.8	42	38.43	0.73	1.7

101.1 - 103.9: Broken monzonite with disseminated pyrite and common epidote.

<<Min: 101.1 - 103.9 0.5% pyrite>> Disseminated in groundmass

<<Min: 102 - 102.6 0.2% Hematite>> Minor hematite along fractures

<<Alt: 101.1 - 103.9 Moderate Quartz>> Patchy silicification of monzonite

<<Alt: 101.1 - 103.9 Moderate Epidote-Chlorite>> Alteration of plagioclase phenocrysts and groundmass common.

<<Vein: 101.1 - 103.9 0.3% Calcite>> Minor veining, locally with hematite and pyrite

<<Struc: 101.1 - 101.1 Moderate contact 47 deg. >> Contact between andesite flow and monzonite

103.90 107.73 APFW Pyroxene Andesite Porphyry Flow grey-green FMG

103.9 - 107.73: Broken and locally faulted, semi competent andesite pyroxene flow with common calcite stringers and veins

<<Min: 103.9 - 107.73 0.1% pyrite>> Finely disseminated pyrite

<<Min: 105.58 - 105.77 1% pyrite>> Associate with calcite and epidote veining

<<Alt: 103.9 - 107.73 Weak to moderate Sericite>> Greenish tint to groundmass

<<Alt: 103.9 - 107.73 Moderate Calcite>> Calcareous groundmass and alteration of plagioclase phenocrysts

<<Alt: 105.58 - 107.73 Weak to moderate Epidote-Chlorite>> Localized epidote and associated with calcite veining

<<Vein: 103.9 - 107.73 2% Calcite>> Calcite veins and stringers common, locally with epidote. Variably deformed

<<Struc: 103.9 - 103.9 Moderate contact 75 deg. >> Contact between andesite porphyry flow and monzonite

<<Struc: 105.15 - 105.2 Moderate Veining - fracture fill 55 deg. >> Wavy, 8mm wide calcite vein with wall rock entrained

<<Struc: 105.32 - 105.58 Moderate fault>> Rubbly gouge zone

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
103.90	105.58	1.68	S192577	8.3	170	165.2	0.77	0.6
105.58	107.73	2.15	S192578	1.4	172	151.03	2.77	1

107.73 116.81 MZPP Plagioclase Monzonite Porphyry Stock grey FMG

107.73 - 116.81: Broken to competent monzonite unit, moderately fractured with sericite/albite selvages

<<Min: 107.73 - 116.81 0.1% pyrite>> Finely disseminated pyrite in groundmass

<<Alt: 107.73 - 116.81 Moderate Sericite>> Commonly related to fractures, locally appears pervasive due to abundant fractures.

<<Alt: 107.73 - 116.81 Weak to moderate Quartz>> Variable silicification of monzonite

<<Vein: 107.73 - 109.1 0.5% Calcite>> Minor calcite stringers

<<Vein: 109.1 - 110.2 2% Calcite>> Veining within low angle fault

<<Vein: 110.2 - 116.81 0.5% Calcite>> Minor hairline calcite stringers

<<Struc: 107.73 - 107.73 Moderate contact>> Undulating, sharp contact between andesite and monzonite

<<Struc: 109.1 - 110 Moderate fault 15 deg. >> Low angle fault with abundant calcite veins and stringers, locally minor gouge

<<Struc: 112.9 - 113.3 Moderate fault>> Minor blocky and rubbly zone with gouge

<<Struc: 115.45 - 116.81 moderate to strong Fractured>> Fracturing with calcite infill and sericite selvages along fractures.

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
107.73	110.00	2.27	S192579	-0.2	42	11.02	0.66	0.5
110.00	112.30	2.30	S192580	-0.2	43	9.95	0.15	0.8
112.30	114.50	2.20	S192581	-0.2	58	8.9	0.36	1.1
114.50	116.81	2.31	S192582	2.9	56	13.32	0.34	0.3

116.81 158.00 APFW Pyroxene Andesite Porphyry Flow grey-green FMG

116.81 - 158: Broken to competent andesite pyroxene flow with common calcite stringers.

<<Min: 116.81 - 124.4 0.3% pyrite>> Finely disseminated pyrite in groundmass and less commonly related to fractures

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
116.81	119.58	2.77	S192583	3.1	160	168.65	0.93	1.3
119.58	122.00	2.42	S192584	4.1	124	170.12	0.76	1.4

From (m)	To (m)	Rocktype & Description
		<<Min: 124.4 - 130 0.2% pyrite>> Finely disseminated pyrite through faulted interval
		<<Min: 130.4 - 133.6 2% pyrite>> Patchy vein associated pyrite and lesser disseminated pyrite
		<<Min: 131.65 - 131.95 5% pyrite>> Localized vein hosted pyrite
		<<Min: 133.6 - 136 0.3% pyrite>> Trace disseminated pyrite in groundmass
		<<Min: 136 - 158 0.2% pyrite>> Finely disseminated pyrite in groundmass
		<<Min: 137.2 - 137.4 1% pyrite>> Calcite-quartz-epidote pyrite veining locally
		<<Alt: 116.81 - 117 Moderate Epidote-Chlorite>> Fracture and vein selvage locally
		<<Alt: 116.81 - 117.82 Moderate Sericite>> Greenish tinge of groundmass below contact.
		<<Alt: 116.81 - 158 Weak to moderate Calcite>> Calcareous andesite
		<<Alt: 124.4 - 130.4 Weak to moderate Chlorite >> Fracture related chlorite through faulted interval
		<<Alt: 124.4 - 132.4 Weak Sericite>> Localized sericite mainly relate to veining
		<<Alt: 132.4 - 132.58 moderate to strong Epidote-Chlorite>> Epidote alteration of groundmass and relate to veining
		<<Alt: 132.58 - 133.6 Weak to moderate Epidote-Chlorite>> Vein related epidote and weakly altering plagioclase crystals locally
		<<Alt: 136 - 137.59 Weak to moderate Epidote-Chlorite>> Weak to moderate epidote alteration of groundmass, locally associated with calcite veining
		<<Alt: 141.45 - 141.5 Strong Epidote-Chlorite>> Minor fault with strong epidote
		<<Alt: 142.34 - 142.8 moderate to strong Epidote-Chlorite>> Epidote altering groundmass in broken faulted interval
		<<Alt: 144 - 149 Moderate Epidote-Chlorite>> Patchy epidote, altering groundmass locally, commonly with calcite veining.
		<<Alt: 150 - 158 Weak Sericite>> Weak and patchy sericite alteration of pyroxenes to greenish tinge
		<<Alt: 150.4 - 152.5 Weak to moderate Epidote-Chlorite>> Localized moderate epidote altering groundmass over narrow intervals
		<<Vein: 116.81 - 124.4 1% Calcite>> Calcite veinlets, stringers and lesser veins, deformed and erratically oriented.
		<<Vein: 124.4 - 127.4 2% Calcite>> Common calcite veining in faulted interval
		<<Vein: 127.4 - 130.4 3% Calcite>> Brecciated and faulted calcite-quartz veining
		<<Vein: 130.4 - 133.6 2% Quartz>> Calcite-quartz-pyrite+/-epidote veining, localized through interval
		<<Vein: 133.6 - 136 1% Calcite>> Common calcite stringers
		<<Vein: 136 - 144 1% Calcite>> Calcite veinlets and stringers common, locally with epidote, rarely associated with pyrite
		<<Vein: 144 - 149 2% Calcite>> Calcite-/-epidote veining and stringers, less commonly with quartz.
		<<Vein: 149 - 151.49 1% Calcite>> Calcite stringers and veins common
		<<Vein: 151.49 - 158 1% Calcite>> Common calcite stringers and veinlets, erratic distribution and locally faulted and sheared
		<<Struc: 116.81 - 116.81 Moderate contact 42 deg. >> Somewhat sharp contact with calcite+epidote veining paralleling contact.

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
122.00	124.40	2.40	S192586	3.5	115	149.16	0.31	1.6
124.40	127.40	3.00	S192587	4.6	142	159.06	0.36	4.1
127.40	130.40	3.00	S192588	2.9	210	133.72	3.5	3.9
130.40	131.65	1.25	S192589	-0.2	157	154.75	1.38	1
131.65	133.60	1.95	S192590	7	211	140.38	13.46	2.7
133.60	136.00	2.40	S192591	4.3	114	171.77	0.24	2.4
136.00	138.70	2.70	S192592	1	90	146.03	0.77	0.7
138.70	141.45	2.75	S192593	3.4	108	178.84	0.28	1.2
141.45	143.98	2.53	S192594	1.6	128	136	0.56	1
143.98	146.68	2.70	S192595	2.7	105	146.72	1.19	2.9
146.68	149.21	2.53	S192596	2.1	109	167.51	0.55	2
149.21	151.49	2.28	S192597	2.7	97	152.05	0.32	1.1
151.49	152.50	1.01	S192598	3.7	89	125.79	0.41	1.8
152.50	155.15	2.65	S192599	2.8	93	169.41	0.44	0.8
155.15	158.00	2.85	S192601	3.7	138	160.74	0.76	0.9

From (m)	To (m)	Rocktype & Description				From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251

<<Struc: 123.15 - 123.15 Moderate Veining - fracture fill 30 deg. >> Calcite+epidote vein, 5mm wide

<<Struc: 124.4 - 130.4 moderate to strong Fault zone>> Broken, rubbly sheared and veined interval with increased calcite veining, pyrite and gouge. Mostly semi competent.

<<Struc: 131.7 - 131.7 Moderate Veining - fracture fill 35 deg. >> Calcite-quartz-pyrite vein, 5mm, above minor fault

<<Struc: 131.7 - 131.95 Moderate fault 57 deg. >> Faulting with abundant quartz-calcite pyrite veining and weak epidote

<<Struc: 137.59 - 137.68 Moderate fault 56 deg. >> Minor fault with loss of competence

<<Struc: 142.34 - 142.8 moderate to strong fault>> Broken, rubbly and gougey interval with calcite-epidote veining.

<<Struc: 142.8 - 144.6 Weak to moderate fault>> Broken and rubbly core throughout interval

<<Struc: 145.45 - 145.5 Moderate fault 75 deg. >> Minor fault with moderate epidote

<<Struc: 148.59 - 148.8 Moderate fault>> Gougey fault zone with abundant epidote

<<Struc: 152 - 152.5 moderate to strong fault>> Competent to rubbly with gouge, local strong epidote

<<Struc: 155.15 - 155.9 Moderate fault 45 deg. >> Semi competent to rubbly with soft fault gouge locally

<<Struc: 157.9 - 160.36 fault>> Broken and rubbly with common fault gouge throughout monzonite interval.

From (m)	To (m)	Code	Rocktype	Colour	Grain	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
158.00	**160.52**	**MZPP**	**Plagioclase Monzonite Porphyry Stock**	**light grey**	**FMG**	158.00	160.52	2.52	S192602	-0.2	55	13.38	0.25	0.5

158 - 160.52: Broken and faulted monzonite unit

<<Min: 158 - 160.52 0.3% pyrite>> Disseminated pyrite in groundmass of monzonite

<<Alt: 158 - 160.36 Weak Sericite>> Weak sericite locally along fractures

<<Vein: 158 - 160.36 0.5% Calcite>> Minor calcite veinlets and stringers

<<Struc: 158 - 158 contact>> Broken faulted contact between andesite and monzonite dyke

<<Struc: 160.36 - 160.52 moderate to strong fault>> Incompetent fault gouge with disseminated pyrite

From (m)	To (m)	Code	Rocktype	Colour	Grain	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
160.52	**163.00**	**APFW**	**Pyroxene Andesite Porphyry Flow**	**grey-green**	**FMG**	160.52	163.00	2.48	S192603	16	137	167.09	0.45	0.9

160.52 - 163: Broken andesite flow with common calcite+/-epidote veining

<<Min: 160.52 - 163 0.1% pyrite>> Trace pyrite

<<Alt: 160.52 - 163 Weak to moderate Sericite>> Altering groundmass

<<Alt: 160.58 - 160.63 moderate to strong Epidote-Chlorite>> Narrow band of moderate to strong epidote

<<Vein: 160.52 - 163 0.5% Calcite>> Minor calcite stringers, locally with epidote

<<Struc: 160.52 - 160.52 contact 90 deg. >> Faulted, but sharp contact between monzonite above andesite

<<Struc: 161.36 - 163 Weak fault>> Weakly broken and rubbly

From (m)	To (m)	Rocktype & Description			
163.00	**165.40**	**MZPP**	**Plagioclase Monzonite Porphyry Stock**	**light grey**	**FMG**

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
163.00	165.40	2.40	S192604	0.3	80	18.66	0.17	1.2

163 - 165.4: Broken and faulted monzonite

<<Min: 163 - 165.4 0.3% pyrite>> Disseminated pyrite in groundmass

<<Alt: 163 - 165.4 Weak Sericite>> Common along fractures and veinlets

<<Vein: 163 - 165.4 0.5% Calcite>> Minor calcite stringers with associated sericite

<<Struc: 163 - 163 contact>> Broken and faulted contact between andesite and monzonite

<<Struc: 163 - 165.4 Moderate fault>> Broken and rubbly with localized gouge throughout monzonite unit

165.40	**166.96**	**APFW**	**Pyroxene Andesite Porphyry Flow**	**grey-green**	**FMG**

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
165.40	166.96	1.56	S192606	3	109	163.79	0.94	1.1

165.4 - 166.96: Broken narrow unit of andesite flow

<<Min: 165.4 - 166.96 0.1% pyrite>> Trace pyrite

<<Alt: 165.4 - 166.96 Weak Epidote-Chlorite>> Weak localized epidote along fractures and veinlets

<<Vein: 165.4 - 166.96 0.5% Calcite>> Calcite+/-epidote stringers

<<Struc: 165.4 - 166.96 Weak to moderate fault>> Broken and rubbly andesite unit

166.96	**169.96**	**MZPP**	**Plagioclase Monzonite Porphyry Stock**	**light grey**	**FMG**

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
166.96	169.96	3.00	S192607	0.6	151	16.9	0.69	1.4

166.96 - 169.96: Broken to competent monzonite, commonly fractured and locally faulted

<<Min: 166.96 - 169.96 0.3% pyrite>> Disseminated pyrite in groundmass and within fault gouge

<<Alt: 166.96 - 169.96 Weak to moderate Sericite>> Common sericite related to fracturing and veining

<<Alt: 166.96 - 169.96 Weak Epidote-Chlorite>> Weak, localized epidote associated with veining and fractures

<<Alt: 166.96 - 169.96 Weak Chlorite >> Trace chlorite along fractures

<<Vein: 166.96 - 169.96 0.5% Calcite>> Minor calcite+/-epidote veinlets

<<Struc: 166.96 - 166.96 contact>> Broken and faulted contact

<<Struc: 166.96 - 169.96 moderate to strong Fractured>> Commonly fractured with calcite veinlets and sericite alteration. Locally faulted

<<Struc: 167.06 - 167.17 Moderate fault 53 deg. >> Fault gouge and semi competent.

<<Struc: 169.6 - 169.96 Weak to moderate fault>> Broken and rubbly to contact

169.96	**216.70**	**APFW**	**Pyroxene Andesite Porphyry Flow**	**grey-green**	**FMG**

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
169.96	172.70	2.74	S192608	3.4	159	139.51	0.71	1.6

169.96 - 216.7: Broken to competent andesite pyroxene flow unit with common calcite+/-epidote+/-quartz+/-pyrite veining, regularly faulted and locally sheared

From (m)	To (m)	Rocktype & Description

<<Min: 169.96 - 217.7 0.1% pyrite>> Trace to minor disseminated pyrite. Locally increasing in abundance commonly related to veining of faulting.

<<Min: 174.65 - 175.3 0.3% pyrite>> Locally hosted in calcite-epidote veining and along fractures.

<<Min: 191.62 - 192.98 0.5% pyrite>> Fine pyrite cubes disseminated in fault gouge and with matrix of competent rubble

<<Min: 203.78 - 205.25 0.5% pyrite>> Disseminated pyrite associated with shearing

<<Min: 205.3 - 205.5 0.1% Hematite>> Fracture related hematite, localized

<<Alt: 169.96 - 197.14 moderate to strong Epidote-Chlorite>> Commonly altering 1-10's cm-scale bands of groundmass, less commonly associated with calcite veining and brecciation

<<Alt: 169.96 - 216.7 Moderate Calcite>> Pervasively calcareous, locally weak, but mostly moderate to strong response to acid

<<Alt: 186 - 192 Weak to moderate Sericite>> Weak to moderate pervasive sericite alteration of groundmass with greenish-grey tinge

<<Alt: 203.22 - 209 Weak Epidote-Chlorite>> Weak epidote

<<Alt: 209 - 216.7 Moderate Epidote-Chlorite>> Patchy epidote commonly altering narrow (5-10 cm) bands, less commonly associated with veining

<<Alt: 213 - 215.5 Moderate Sericite>> Localized pervasive sericite altering groundmass

<<Vein: 169.96 - 191 2% Calcite>> Calcite+/-epidote veining, veinlets and stringers throughout interval

<<Vein: 178.92 - 179.13 5% Calcite>> Calcite-quartz-epidote-pyrite veining

<<Vein: 191 - 192.5 5% Calcite>> Increased abundance of calcite+/-epidote veining within faults

<<Vein: 192.5 - 203.78 1% Calcite>> Calcite+/-epidote/-quartz/-pyrite veining and calcite stringers common. Pyrite appears to be associated with quartz, when present

<<Vein: 203.78 - 216.7 1% Calcite>> Calcite+/-quartz/-pyrite stringers and veinlets, rarely veins >2mm. Locally vuggy, particularly where locally brecciated

<<Struc: 169.96 - 169.96 Moderate contact 60 deg. >> Broken and rubbly contact, but appears to be sharp at 60 deg TCA

<<Struc: 170.45 - 170.9 Weak to moderate fault>> Broken and rubbly, with minor fault gouge

<<Struc: 173.19 - 173.4 Moderate Sheared 55 deg. >> Minor shearing

<<Struc: 173.92 - 174.2 Moderate Sheared 42 deg. >> Top orientation is 33 deg TCA, lower orientation at 50 deg TCA

<<Struc: 174.4 - 178 Weak to moderate fault>> Broken and blocky through interval

<<Struc: 175.25 - 175.3 Veining - fracture fill 68 deg. >> Calcite-epidote pyrite vein

<<Struc: 181.9 - 183.75 Moderate fault>> Broken and blocky core with minor fault gouge

<<Struc: 185.19 - 188.65 Moderate fault>> Commonly broken and rubbly through interval, locally brecciated

<<Struc: 185.35 - 185.57 Moderate Brecciated >> Localize calcite-epidote brecciation within blocky zone

<<Struc: 190.48 - 191.11 Moderate fault>> Broken and rubbly with fault gouge

<<Struc: 191.11 - 191.26 Moderate Brecciated >> Brecciated calcite-epidote veining

<<Struc: 191.62 - 192.98 Moderate fault>> Broken, rubbly with moderate fault gouge

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
172.70	175.34	2.64	S192609	3.1	125	162.17	0.78	2.5
175.34	178.24	2.90	S192611	1.3	71	144.15	0.49	1.4
178.24	181.00	2.76	S192612	1.4	101	165.9	0.6	1.4
181.00	183.00	2.00	S192613	0.8	106	175.56	0.22	0.8
183.00	185.00	2.00	S192614	1.4	74	127.8	0.51	1.3
185.00	188.00	3.00	S192615	1.8	102	158.92	1.34	0.8
188.00	191.00	3.00	S192616	1.2	109	146.51	0.56	1.3
191.00	193.00	2.00	S192617	2.8	104	102.69	0.83	1.1
193.00	196.00	3.00	S192618	1.9	99	135.55	0.45	1.3
196.00	198.85	2.85	S192619	3.6	268	182.33	1.12	1.9
198.85	201.00	2.15	S192620	2.5	121	165.34	0.82	0.6
201.00	203.78	2.78	S192621	3.6	144	138.32	0.94	2.3
203.78	206.00	2.22	S192622	6.1	187	134.02	5	2.7
206.00	209.00	3.00	S192623	3.1	116	181.38	1.23	0.8
209.00	212.00	3.00	S192624	1.6	102	167.33	0.59	1.4
212.00	215.00	3.00	S192626	1.4	99	170.52	0.44	0.9
215.00	216.70	1.70	S192627	3.5	153	167.84	1.19	1

From (m)	To (m)	Rocktype & Description

<<Struc: 203.78 - 205.3 moderate to strong Sheared 51 deg. >> Sheared and faulted interval of semi-competent core above broken and gougey interval. Increased pyrite in shearing features

<<Struc: 205.3 - 206.35 Moderate fault>> Broken and rubbly with localized fault gouge

<<Struc: 206.35 - 212 Weak to moderate fault>> Commonly blocky and rubbly

<<Struc: 209.14 - 209.35 Moderate Brecciated >> Calcite breccia matrix with minor epidote and disseminated pyrite

<<Struc: 212 - 215.68 Moderate fault>> Blocky and rubbly with local fault gouge

<<Struc: 215.68 - 215.71 moderate to strong fault 66 deg. >> Minor fault, semi competent gouge

<<Struc: 215.71 - 215.95 Moderate fault 43 deg. >> Broken with semi competent gouge

<<Struc: 216.33 - 216.7 Moderate fault>> Blocky and rubbly with semi competent gouge and faulted up to contact with feldspar porphyry unit below

216.70 226.35 MZPD Plagioclase Monzonite Porphyry Post-Mineral Dyke salt + pepper CG

216.7 - 226.35: Competent plagioclase monzonite porphyry with coarse (up to 5mm) euhedral to sub-euhedral and bladed plagioclase and k-feldspar phenocrysts hosted in fine grained matrix, also hosting disseminated pyrite.

<<Min: 216.7 - 226.35 0.3% pyrite>> Common disseminated pyrite in groundmass, locally forming cubes up to 1mm. Lesser pyrite hosted in quartz veinlets

<<Min: 226.1 - 226.6 0.3% pyrite>> Disseminated within faulting

<<Alt: 216.7 - 226.35 Weak to moderate Sericite>> Patchy sericite forming narrow (1-5mm) selvages along calcite veinlets

<<Alt: 216.7 - 226.35 Weak Chlorite >> Associated with calcite veinlets and stringers

<<Alt: 216.7 - 226.35 Weak Calcite>> Weakly altering groundmass

<<Vein: 216.7 - 226.35 0.25% Quartz>> Quartz-pyrite veinlets

<<Vein: 216.7 - 226.35 0.5% Calcite>> Calcite+/-chlorite veinlets common, with patchy sericite selvage

<<Struc: 216.7 - 216.7 contact 90 deg. >> Contact between andesite and porphyry below, faulted above and broken at contact

<<Struc: 220.95 - 221 Weak to moderate fault>> Minor fault with semi-competent interval.

<<Struc: 224.64 - 226.1 Weak to moderate fault>> Broken and blocky interval with minor fault gouge on fracture surfaces locally

<<Struc: 226.1 - 226.6 Moderate fault>> Rubbly with fault gouge, crossing contact

226.35 228.47 APFW Pyroxene Andesite Porphyry Flow grey-green FG

226.35 - 228.47: Minor interval of andesite pyroxene flow sandwiched between intrusive units

<<Min: 226.6 - 228.47 0.1% pyrite>>

<<Alt: 226.35 - 228.47 moderate to strong Calcite>> Strong reaction to acid

<<Vein: 226.35 - 228.47 3% Calcite>> Calcite stringers and veinlets very common

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
216.70	218.55	1.85	S192628	2.6	97	81.96	2.61	0.9
218.55	221.00	2.45	S192629	2.8	91	85.34	3.18	1.2
221.00	224.00	3.00	S192631	2.4	110	80.95	2.69	1.4
224.00	226.35	2.35	S192632	2.4	117	82.58	1.93	1
226.35	228.47	2.12	S192633	4.4	208	133.15	1.07	1.8

From (m)	To (m)	Rocktype & Description

<<Struc: 226.35 - 226.35 Moderate contact>> Broken and faulted contact

228.47 291.18 HMZP Plagioclase-Hornblende Monzonite Porphyry Stock grey FMG

228.47 - 291.18: Broken to semi competent, locally competent plagioclase hornblende monzonite porphyry, with 10% euhderal plagioclase (up to 5 mm) and 5% hornblende crystals (1-2mm) in fine grained matrix. Commonly fractured, brecciated and faulted with localized strong alteration. Disseminated and veinlet pyrite common.

<<Min: 228.47 - 238.95 0.3% pyrite>> Common finely disseminated pyrite, less commonly in calcite veinlets and fractures

<<Min: 238.38 - 239.11 1% pyrite>> Local increase in disseminated pyrite in faulting

<<Min: 239.11 - 246.25 0.3% pyrite>> Common finely disseminated and less common fracture fill and related to faulting

<<Min: 246.25 - 250.55 0.1% pyrite>> Finely disseminated pyrite

<<Min: 250.55 - 250.8 0.5% pyrite>> Disseminated pyrite in fault gouge

<<Min: 250.8 - 287.5 0.1% pyrite>> Minor to trace disseminated pyrite

<<Min: 287.5 - 291.19 1% pyrite>> Finely disseminated pyrite cubes in albite altered monzonite

<<Alt: 228.47 - 231 Weak to moderate Sericite>> Commonly enveloping fractures and veinlets, less commonly altering plagioclase phenocrysts.

<<Alt: 228.47 - 236.2 Moderate Quartz>> Patchy to pervasive, though clay alteration/gouge commonly where no silicification present.

<<Alt: 228.47 - 261.21 moderate to strong Clay>> Clay alteration, locally intense with faulting and shearing, commonly associated with fracturing and veining.

<<Alt: 231 - 231.45 Strong Sericite>> Locally strong sericite alteration

<<Alt: 231.45 - 234.59 Weak Sericite>> Weak vein and fracture selvages

<<Alt: 234.59 - 236.5 Weak to moderate Albitisation >> Light greyish hue to rock

<<Alt: 236.5 - 242 Weak to moderate Biotite>> Patchy purplish alteration with softening of hornblendes.

<<Alt: 236.5 - 246.25 Moderate Sericite>> Patchy pervasive sericite, less commonly as vein and fracture selvage.

<<Alt: 246.25 - 248 Moderate Biotite>> Purplish hue to core with softening of hornblendes

<<Alt: 247.48 - 252.07 Weak to moderate Sericite>> Variable pervasive sericite

<<Alt: 252.07 - 287.5 moderate to strong Sericite>> Variable sericite from locally pervasive to fracture and veinlet selvage, appearing to overprint biotite alteration where biotite alteration present

<<Alt: 258.17 - 259.4 Moderate Biotite>> Interval with patchy pervasive biotite, purplish grey hue to core.

<<Alt: 261.21 - 297.5 moderate to strong Clay>> Common moderate to strong clay alteration along fractures, veining and in faults, making core incompetence to semi-competent.

<<Alt: 265.4 - 267.31 Moderate Biotite>> Moderate biotite alteration, locally pervasive but patchy over interval

<<Alt: 270.53 - 271.08 Weak to moderate Biotite>> Locally pervasive

<<Alt: 273.8 - 277 Weak to moderate Biotite>> Patchy biotite alteration, locally overprinted by sericite

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
228.47	229.39	0.92	S192634	2.6	118	47.08	0.19	0.8
229.39	230.73	1.34	S192635	0.3	65	18.84	0.43	0.9
230.73	232.00	1.27	S192636	1.2	71	7.08	0.07	0.9
232.00	234.59	2.59	S192637	2.5	135	14.08	3.02	0.5
234.59	236.50	1.91	S192638	2.9	147	17.68	1.26	1.6
236.50	238.38	1.88	S192639	8.2	96	12.89	0.07	1.2
238.38	240.10	1.72	S192641	6.4	245	18.09	1.65	6.6
240.10	243.50	3.40	S192642	18.2	231	10.95	0.63	1.3
243.50	246.25	2.75	S192643	4	206	8.56	0.25	1.1
246.25	248.00	1.75	S192644	12.8	114	11.43	0.3	1.2
248.00	250.55	2.55	S192646	7	77	7.36	0.13	1.2
250.55	252.07	1.52	S192647	4.2	60	7.02	0.42	1.5
252.07	253.63	1.56	S192648	3.4	38	2.99	0.05	1.2
253.63	255.42	1.79	S192649	2.6	33	2.59	0.15	0.6
255.42	258.17	2.75	S192651	2.6	65	5.72	0.17	1.7
258.17	259.40	1.23	S192652	32.5	223	7.85	0.19	3.2
259.40	262.00	2.60	S192653	7.4	82	7.01	0.21	1.4
262.00	264.00	2.00	S192654	21.1	96	6.56	0.33	1.8
264.00	265.30	1.30	S192655	12.2	75	8.05	0.13	2
265.30	267.31	2.01	S192656	7.3	113	7.91	0.8	2.6
267.31	269.50	2.19	S192657	2.6	54	7.04	0.28	2.2
269.50	271.03	1.53	S192658	13.7	110	6.34	0.45	0.9
271.03	273.80	2.77	S192659	23.2	173	5.41	0.61	1.1
273.80	276.45	2.65	S192660	17.3	100	4.19	0.46	1.7

From (m)	To (m)	Rocktype & Description

<<Alt: 279.5 - 284 Weak Quartz>> Patchy silica alteration, typically forming with sericite

<<Alt: 279.5 - 287.5 Moderate Biotite>> Patchy to locally pervasive biotite, commonly overprinted by sericite

<<Alt: 287.5 - 291.18 Strong Albitisation >> Pervasive albite alteration bleaching monzonite

<<Alt: 287.5 - 291.19 Weak Chlorite >> Fracture related chlorite

<<Vein: 228.47 - 246.25 1% Calcite>> Common calcite stringers with sericite selvages with varying intensity.

<<Vein: 246.25 - 265.9 1% Calcite>> Regular calcite veinlets, stringers and veins, though commonly clay altered

<<Vein: 265.9 - 277 2% Calcite>> Calcite veinlets, stringers and veins, commonly altered to clay and with sericite selvage

<<Vein: 277 - 291.18 0.5% Calcite>> Calcite stringers and veinlets less common, though still clay altered and with sericite selvages

<<Struc: 228.47 - 228.47 Moderate contact 50 deg. >> Gouge at contact between andesite and monzonite

<<Struc: 229.18 - 229.18 moderate to strong contact 90 deg. >> Gougey contact between minor andesite and monzonite

<<Struc: 229.38 - 229.38 Moderate contact 84 deg. >> Faulted contact between minor andesite and monzonite

<<Struc: 229.38 - 229.6 moderate to strong fault 62 deg. >> Faulting with loss of competence and gouge

<<Struc: 230 - 231.45 moderate to strong Fractured>> Common fracturing and locally loss of competence

<<Struc: 231.45 - 231.55 Moderate fault 45 deg. >> Minor faulting with clay gouge

<<Struc: 234.59 - 236.5 moderate to strong Fractured>> Fracturing with clay gouge locally

<<Struc: 234.67 - 234.69 Weak to moderate fault>> Clay gouge

<<Struc: 234.85 - 235.17 moderate to strong fault>> Fault with clay gouge and rounded entrained pebble sized clasts

<<Struc: 236.83 - 237.5 Moderate fault>> Blocky and locally gougey

<<Struc: 238.38 - 238.95 moderate to strong fault 55 deg. >> Loss of competence and appears brecciated with calcareous clay gouge cement

<<Struc: 239.05 - 239.11 Weak to moderate fault>> Local loss of competence.

<<Struc: 242.44 - 242.68 Moderate fault>> Semi competent fault breccia

<<Struc: 243.25 - 243.25 Weak to moderate Sheared 30 deg. >> Minor shear

<<Struc: 243.87 - 244 Moderate fault>> Soft, clay gouge and loss of competence

<<Struc: 245.93 - 245.95 Weak to moderate Sheared 44 deg. >> Minor shearing above a fault

<<Struc: 245.93 - 246 moderate to strong fault>> Gouge

<<Struc: 246 - 246.25 Weak to moderate fault>> Minor loss of competence and clay gouge locally

<<Struc: 247.37 - 247.48 Moderate Sheared 42 deg. >> Moderate shearing with clay gouge

<<Struc: 247.48 - 249 Moderate fault>> Fault breccia; semi competence

<<Struc: 249.45 - 250.55 moderate to strong fault>> Clay fault gouge and fault breccia

<<Struc: 250.55 - 250.8 Moderate fault>> Fault gouge and breccia

<<Struc: 250.93 - 252.07 Moderate fault>> Fault gouge and breccia with local loss of competence

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
276.45	279.00	2.55	S192661	3.3	82	12.37	0.35	2.6
279.00	282.00	3.00	S192662	2.3	55	8.03	0.45	1.3
282.00	284.98	2.98	S192663	5.1	64	7.22	0.12	2.2
284.98	287.50	2.52	S192664	5	79	7.35	0.71	2.6
287.50	289.00	1.50	S192666	3.9	60	6.28	0.6	4.2
289.00	291.18	2.18	S192667	3.4	61	8.71	0.56	5.9

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251

<<Struc: 252.07 - 253.63 Weak to moderate fault>> Broken and locally gougey

<<Struc: 253.63 - 255.42 moderate to strong fault>> Fault breccia and clay gouge, semi competent to broken.

<<Struc: 255.42 - 258.17 Moderate fault>> Broken and rubbly, with minor local fault gouge

<<Struc: 258.17 - 259.4 Weak to moderate fault>> Semi competent

<<Struc: 260.93 - 261.05 Moderate fault>> Clay gouge and loss of competence

<<Struc: 261.21 - 265.3 moderate to strong fault>> Broken and rubbly with common clay fault gouge and fault breccia, locally competent

<<Struc: 267.31 - 269.5 Weak to moderate fault>> Blocky and rubbly, locally fault gouge over bottom ~10 cm

<<Struc: 271.08 - 275 Moderate Fractured>> Moderate fracture and relatively competent

<<Struc: 275 - 276.67 Weak to moderate fault>> Locally loss of competence with fault breccias common

<<Struc: 277 - 279.5 moderate to strong fault>> Broken, rubbly with common clay fault gouge and fault breccias with loss of competence the norm

<<Struc: 279.5 - 280 Moderate Fractured>> Common fracturing over short interval, coinciding with minor silicification

<<Struc: 280 - 282.55 Moderate fault>> Blocky and rubbly with minor fault gouge

<<Struc: 282.9 - 283.12 Moderate fault 30 deg. >> Minor fault with loss of competence

<<Struc: 284.31 - 284.54 moderate to strong Sheared 37 deg. >> Narrow shear (2-3 cm)with loss of competence below

<<Struc: 284.54 - 287.5 moderate to strong fault>> Common loss of competence with clay alteration and gouge, local fault breccias

<<Struc: 287.5 - 288 moderate to strong fault>> Clay gouge and loss of competence

<<Struc: 289 - 289.4 Moderate Brecciated >> Locally brecciated monzonite

<<Struc: 289.4 - 289.6 moderate to strong fault 35 deg. >> Fault gouge and fault breccia

<<Struc: 291.12 - 291.18 moderate to strong fault>> Clay gouge and contact with andesite

291.18 293.08 APFW Pyroxene Andesite Porphyry Flow grey-green FG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
291.18	293.08	1.90	S192668	0.9	252	133.94	0.29	9.2

291.18 - 293.08: Mostly competent andesite with moderate albite alteration and common calcite stringers and veinlets.

<<Min: 291.18 - 293.08 0.3% pyrite>> Lesser disseminated pyrite in andesite

<<Alt: 291.18 - 293.08 Moderate Albitisation >> Pervasive moderate albite altering andesite

<<Vein: 291.18 - 295.4 1% Calcite>> Calcite stringers and veinlets, more abundant in andesite intervals, but still common in monzonite

<<Struc: 291.18 - 291.18 contact>> Clay gouge at contact

293.08 294.90 HMZP Plagioclase-Hornblende Monzonite Porphyry Stock grey FMG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
293.08	294.90	1.82	S192669	52.9	193	65.38	0.96	6.7

293.08 - 294.9: Narrow interval of faulted and semi-competent monzonite, moderately fractured and albite altered

<<Min: 293.08 - 294.9 1% pyrite>> Finely disseminated pyrite cubes in monzonite, particularly where stronger albite alteration and faulting present

<<Alt: 293.08 - 294.9 moderate to strong Albitisation >> Moderate to strong albite, but not as strong as interval from 287.5-291.18 m.

<<Struc: 293.08 - 293.08 contact>> Broken and locally faulted at contact between andesite and monzonite

<<Struc: 293.08 - 294.9 Moderate fault>> Variable faulting and loss of competence through interval of monzonite, especially towards lower contact

294.90 295.40 APFW Pyroxene Andesite Porphyry Flow grey-green FG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
294.90	295.40	0.50	S192670	3.3	287	118.12	0.54	16.4

294.9 - 295.4: Narrow interval of andesite, common calcite stringers and moderate albite alteration

<<Min: 294.9 - 295.4 0.1% pyrite>> Trace pyrite in andesite

<<Alt: 294.9 - 295.4 Moderate Albitisation >> Blotchy, but pervasive albite alteration in andesite

<<Struc: 294.9 - 294.9 Moderate contact>> Faulted and brecciated contact between andesite and monzonite

295.40 296.40 HMZP Plagioclase-Hornblende Monzonite Porphyry Stock light grey FMG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
295.40	296.40	1.00	S192671	2.9	46	13.13	0.18	2.9

295.4 - 296.4: Semi-competent monzonite with strong albite alteration, and faulted towards bottom of unit

<<Min: 295.4 - 296.4 1% pyrite>> Finely disseminated pyrite, particularly in fault gouge

<<Alt: 295.4 - 296.4 Strong Albitisation >> Strong albite alteration

<<Vein: 295.4 - 296.4 0.5% Calcite>> Deformed calcite stringers and veins

<<Struc: 295.4 - 295.4 Moderate contact 55 deg. >> Faulted and brecciated contact between andesite and monzonite

<<Struc: 295.4 - 296.4 Moderate fault>> Mainly faulted, especially towards lower contact with andesite, with increased fault gouge and loss of competence.

296.40 365.28 APFW Pyroxene Andesite Porphyry Flow grey-green FMG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
296.40	299.00	2.60	S192672	1.6	104	182.73	0.43	0.9
299.00	302.00	3.00	S192673	0.6	114	178.13	0.41	2.5
302.00	305.00	3.00	S192674	2.9	127	195.26	0.77	0.9
305.00	308.00	3.00	S192675	1.8	84	182.82	0.7	0.8
308.00	309.98	1.98	S192676	1.8	76	155.69	0.38	0.4
309.98	312.00	2.02	S192677	3.1	104	175.45	0.57	1
312.00	315.00	3.00	S192678	3.5	100	181.12	0.1	1.1

296.4 - 365.28: Broken to competent andesite porphyry flow with common stringers, localized epidote and trace to minor disseminated and fracture fill pyrite

<<Min: 296.4 - 337.5 0.1% pyrite>> Trace to minor disseminated pyrite, locally along fractures and slightly more abundant in fault gouge and faulted intervals

<<Min: 301.7 - 305.2 0.1% Hematite>> Fracture related hematite locally

<<Min: 308.6 - 309 0.1% Hematite>> Local fracture related hematite

<<Min: 312.1 - 313.6 0.1% Hematite>> Fracture related hematite

<<Min: 314.3 - 314.5 0.3% Hematite>> Localized hematite

<<Min: 318 - 319.25 0.5% Hematite>> Localized increase of hematite in sheared up andesite, forming mainly along fracture and foliation planes

From (m)	To (m)	Rocktype & Description
		<<Min: 325.22 - 326 0.1% Hematite>> Minor hematite along fracture surfaces
		<<Min: 328 - 328.5 0.1% Hematite>> Minor hematite along fractures
		<<Min: 329.75 - 330.65 0.3% Hematite>> Minor to moderate hematite on fracture surfaces.
		<<Min: 337.75 - 338.2 0.5% magnetite>> Disseminated to 1-2mm blebs with pyrite
		<<Min: 337.75 - 347.32 0.1% pyrite>> Trace to minor disseminated pyrite
		<<Min: 347.32 - 365.28 0.1% pyrite>> Trace pyrite disseminated and rarely related to fractures
		<<Min: 352.4 - 352.6 0.1% Hematite>> Minor localized hematite on fractures
		<<Min: 363 - 364.2 0.5% pyrite>> Localized pyrite forming 1-2mm blebs related to calcite-epidote-hematite veining and local shearing
		<<Min: 363 - 365 0.3% Hematite>> Hematite common along fractures and shear planes
		<<Alt: 296.4 - 308 Weak to moderate Calcite>> Variable acid response with weak to moderate calcareous alteration
		<<Alt: 296.4 - 337.5 Weak to moderate Chlorite >> Common chlorite along fractures, though not always present, locally more intense in faulted and gougey intervals
		<<Alt: 296.4 - 337.75 Weak to moderate Sericite>> Weak to moderate sericite alteration of the groundmass throughout most of the andesite unit, giving a blue-green hue to the core
		<<Alt: 296.5 - 321 Weak Epidote-Chlorite>> Localized epidote, mainly related to calcite veinlets
		<<Alt: 323 - 337.75 Moderate Epidote-Chlorite>> Common bands of epidote altering groundmass and in calcite-epidote veinlets and stringers.
		<<Alt: 337.75 - 338.9 moderate to strong Epidote-Chlorite>> Locally strong, but patchy to pervasive alteration of groundmass.
		<<Alt: 337.75 - 339.2 moderate to strong Sericite>> Locally strong where no epidote alteration.
		<<Alt: 339 - 347.32 Weak Epidote-Chlorite>> Weak epidote in veinlets, also weakly altering plagioclase phenocrysts locally
		<<Alt: 339 - 347.32 Weak Chlorite >>
		<<Alt: 339.2 - 347.32 Weak to moderate Sericite>> Weak to moderate sericite alteration of groundmass
		<<Alt: 347.32 - 351.35 Moderate Quartz>>
		<<Alt: 347.32 - 351.35 Moderate Sericite>> Pervasive with albite and silica
		<<Alt: 347.32 - 351.35 Moderate Albitisation >>
		<<Alt: 351.35 - 353.2 Moderate Epidote-Chlorite>> Localized bands of epidote altering groundmass
		<<Alt: 351.35 - 363.77 Weak to moderate Sericite>> Weak to moderate pervasive sericite alteration
		<<Alt: 351.35 - 365.28 Weak Chlorite >> Weak chlorite along fractures
		<<Alt: 355 - 363.77 Weak Epidote-Chlorite>> Minor epidote in veinlets, stringers and fractures
		<<Alt: 363.77 - 365.28 moderate to strong Sericite>> Strong alteration of groundmass by sericite
		<<Alt: 363.77 - 365.28 Moderate Epidote-Chlorite>> Localized patchy epidote altering groundmass, though also common in fractures and veining
		<<Vein: 296.4 - 347.32 1% Calcite>> Calcite+/-epidote stringers, veinlets and veins common with erratic orientations. Locally hematitic and faulted

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
315.00	318.00	3.00	S192679	3.9	110	176.54	0.82	0.9
318.00	319.40	1.40	S192681	4.1	93	196.43	0.91	0.6
319.40	322.17	2.77	S192682	2.6	101	185.67	0.55	0.8
322.17	325.00	2.83	S192683	1.3	86	180.8	0.31	1.4
325.00	327.88	2.88	S192684	1.8	85	174.01	0.48	1.3
327.88	329.75	1.87	S192686	1	108	185.2	0.27	1.1
329.75	332.65	2.90	S192687	1.2	87	186.78	0.26	0.9
332.65	335.00	2.35	S192688	2.2	83	180	0.44	1.6
335.00	337.75	2.75	S192689	-0.2	80	172.84	0.33	1.2
337.75	338.90	1.15	S192691	0.7	88	165.12	0.26	1.6
338.90	340.46	1.56	S192692	-0.2	88	197.36	0.23	0.9
340.46	343.00	2.54	S192693	0.7	73	188.59	0.97	1
343.00	345.00	2.00	S192694	-0.2	95	181.59	0.68	0.9
345.00	347.32	2.32	S192695	2.6	108	170.13	0.81	1
347.32	349.61	2.29	S192696	-0.2	34	6.98	0.18	0.4
349.61	351.35	1.74	S192697	-0.2	34	7.1	0.2	0.2
351.35	353.20	1.85	S192698	2.1	70	165.92	0.48	1.5
353.20	356.00	2.80	S192699	3.7	92	180	0.54	0.8
356.00	359.00	3.00	S192700	7.6	96	180.15	0.17	1
359.00	361.80	2.80	S192701	2.3	108	187.54	0.25	1.2
361.80	363.77	1.97	S192702	4.9	145	184.92	0.45	2
363.77	365.28	1.51	S192703	2.9	126	207.59	0.18	2.1

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251

<<Vein: 347.32 - 355 1% Calcite>> Common calcite stringers and narrow (2-4mm) veins

<<Vein: 355 - 362 0.5% Calcite>> Calcite stringers and veinlets somewhat common, locally with minor epidote

<<Vein: 362 - 365.28 2% Calcite>> Calcite stringers, veinlets and veins increasing in abundance towards lower contact, locally with epidote, pyrite and hematite

<<Struc: 296.4 - 301.25 Moderate fault>> Blocky and rubbly with local fault gouge

<<Struc: 301.7 - 303.1 moderate to strong fault>> Broken and rubbly with abundant fault gouge

<<Struc: 303.1 - 305 Weak to moderate fault>> Broken and blocky with no fault gouge

<<Struc: 305.4 - 306.95 Weak to moderate fault>> Blocky and rubbly with minor fault gouge along fracture surfaces.

<<Struc: 308.7 - 311.4 Moderate fault>> Broken and blocky, locally competent fault breccias, moderate fault gouge

<<Struc: 314.42 - 314.6 Moderate Sheared 64 deg. >> Localized shearing/faulting with bull calcite and step faulted epidote veinlets. Hematite present

<<Struc: 318.62 - 319.4 Moderate fault>> Competent fault zone with erratic calcite stringers, brecciated towards bottom of interval

<<Struc: 319.5 - 320.7 Moderate fault>> Broken and blocky interval with minor fault gouge on fracture surfaces.

<<Struc: 321.4 - 324.25 Moderate fault>> Broken and rubbly with local fault gouge and locally competent

<<Struc: 325.91 - 326.45 Moderate Fractured>> Near vuggy appearance with weathered texture of core, above faulting at 326.45m

<<Struc: 326.45 - 327.88 moderate to strong fault>> Broken and rubbly with common fault gouge

<<Struc: 330.2 - 330.2 Moderate Veining - fracture fill 55 deg. >> Calcite-epidote-hematite veining, vein up to 12mm wide

<<Struc: 331.32 - 332.6 Moderate fault>> Broken and rubbly, locally with epidote-calcite-hematite faulted vein

<<Struc: 334.37 - 337.75 Weak to moderate fault>> Broken and blocky, locally minor fault gouge

<<Struc: 339.2 - 340.8 Weak to moderate fault>> Blocky and broken

<<Struc: 347.25 - 347.32 Moderate fault 50 deg. >> Fault gouge and minor breccia

<<Struc: 347.32 - 351.35 Weak to moderate Fractured>> Weak to moderate fracturing

<<Struc: 349 - 349 Weak to moderate fault 24 deg. >> Minor fault with gouge

<<Struc: 352.2 - 352.41 Moderate fault>> Fault breccia and gouge

<<Struc: 355.27 - 355.97 Moderate fault>> Broken and rubbly

<<Struc: 356.5 - 359.6 Weak to moderate fault>> Blocky and broken

<<Struc: 360.9 - 363.77 Moderate fault>> Variable broken and rubbly with local shearing

<<Struc: 363.2 - 363.4 Moderate Sheared 65 deg. >> Shearing with calcite-hematite veining paralleling shear fabric

<<Struc: 364 - 364 moderate to strong Veining - fracture fill 50 deg. >> Hematite-epidote-pyrite veining/shearing

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
365.28	**371.64**	**LNTF Latitic Tuff grey FG**	365.28	368.00	2.72	S192704	-0.2	102	134.67	3.14	11.7
		365.28 - 371.64: Broken to competent latitic tuff, locally appearing hornfelsed at upper contact with andesite									
		<<Min: 365.28 - 366.8 2% pyrite>> Hosted in calcite veining and along fractures	368.00	370.00	2.00	S192706	0.6	86	112.24	1.15	9.5

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
370.00	371.64	1.64	S192707	12.3	124	126.97	3.61	8.7

<<Min: 366.8 - 368 0.3% pyrite>> Minor disseminated pyrite

<<Min: 368 - 371.64 1% pyrite>> Disseminated, veinlet and fracture related pyrite, locally minor blebs within calcite veinlets

<<Alt: 365.28 - 368 Moderate Graphite>> Graphite along fractures, perhaps reason why interval is dark grey in colour, rather than hornfelsing, since no intrusion to cause hornfels

<<Alt: 365.28 - 368 Moderate Calcite>> Calcite alteration of groundmass, though also possibly related to hornfelsed appearance?

<<Alt: 368 - 370.94 Weak Chlorite >> Minor chlorite along fractures.

<<Alt: 368 - 371.64 Weak to moderate Sericite>> Altering groundmass throughout

<<Alt: 368 - 371.64 Moderate Calcite>> Reactive to acid

<<Vein: 365.28 - 366.82 2% Calcite>> Calcite+/-pyrite veining common

<<Vein: 367 - 371.64 0.5% Calcite>> Less common calcite stringers than above in latite tuff and increasing in abundance towards lower contact

<<Struc: 365.28 - 365.28 Moderate contact>> Gradational contact and obscured by alteration

<<Struc: 366.8 - 367 Moderate fault 45 deg. >> Fault breccia and gouge

<<Struc: 367.7 - 368.5 Weak to moderate fault>> Blocky and broken

371.64 373.99 APFW Pyroxene Andesite Porphyry Flow grey-green FMG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
371.64	373.99	2.35	S192708	1.1	133	194.91	0.4	2.1

371.64 - 373.99: Broken to competent andesite with abundant calcite stringers

<<Min: 371.64 - 398.37 0.1% pyrite>> Trace disseminated pyrite to end of hole

<<Alt: 371.64 - 373.99 Weak to moderate Sericite>> Weak to moderate sericite altering groundmass with albite

<<Alt: 371.64 - 373.99 Weak Epidote-Chlorite>> Epidote along fractures and in veinlets

<<Alt: 371.64 - 373.99 Weak Chlorite >> Common weak chlorite along fractures and altering of pyroxenes

<<Alt: 371.64 - 373.99 Moderate Albitisation >> Albite alteration of andesite groundmass with sericite

<<Vein: 371.64 - 373.99 1% Calcite>> Calcite stringers common, locally more abundant proximal to lower contact

<<Struc: 371.64 - 371.64 Moderate contact>> Broken contact

<<Struc: 373.87 - 373.92 Weak to moderate Sheared 70 deg. >> Narrow localized shear

373.99 375.10 MZPD Plagioclase Monzonite Porphyry Post-Mineral Dyke grey FCG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
373.99	375.10	1.11	S192709	1.4	24	14.05	2.76	0.2

373.99 - 375.1: Broken to competent monzonite cutting andesite

<<Alt: 373.99 - 375.1 Moderate Quartz>> Moderate silica alteration of monzonite

<<Alt: 373.99 - 375.1 moderate to strong Epidote-Chlorite>> Abundant to complete epidote replacement of fine grained crystals in monzonite

<<Vein: 373.99 - 375.1 0.5% Calcite>> Calcite stringers and hairline veins somewhat common

From (m)	To (m)	Rocktype & Description

<<Struc: 373.99 - 373.99 Moderate contact 70 deg. >> Sharp contact right at block

<<Struc: 374.6 - 374.88 Moderate fault>> Rubbly and broken

375.10 398.37 APFW Pyroxene Andesite Porphyry Flow grey-green FMG

375.1 - 398.37: Broken and commonly sheared andesite pyroxene flow with abundant hematite along fractures and locally veined.

<<Min: 375.1 - 385 0.3% Hematite>> Patchy hematite along fractures

<<Min: 385 - 390.2 0.5% Hematite>> Increasing abundance of hematite along fractures

<<Min: 385.5 - 386.16 1% pyrite>> Localized pyrite blebs related to faulting/fracturing

<<Min: 390.2 - 394.4 2% Hematite>> Abundant fracture related hematite, though also common as veining, up to 12mm wide

<<Alt: 375.1 - 385.5 Weak to moderate Epidote-Chlorite>> Variable epidote, mainly related to veinlets and fracturing, less commonly altering plagioclase phenocrysts

<<Alt: 375.1 - 386.16 Weak Sericite>> Weak pervasive sericite dominated by chlorite alteration

<<Alt: 375.1 - 398.37 Moderate Chlorite >> Pervasive chlorite alteration, locally less intense, though typically present to end of hole

<<Alt: 385.5 - 389.97 Moderate Epidote-Chlorite>> Patchy moderate epidote in faults, fractures and veinlets

<<Alt: 386.16 - 398.37 Weak to moderate Sericite>> Pervasive sericite alteration of groundmass, variable intensity

<<Alt: 389.97 - 398.37 Weak to moderate Epidote-Chlorite>> Replacement of fine crystals in andesite, common reaction rims

<<Vein: 375.1 - 389.97 1% Calcite>> Calcite+/-epidote+/-hematite veining, commonly sheared or faulted

<<Struc: 375.1 - 375.1 Moderate contact 46 deg. >> Sharp contact with minor veining parallel

<<Struc: 376.2 - 376.2 Weak to moderate Sheared 33 deg. >> Minor shear

<<Struc: 378 - 384.9 Moderate Fractured>> Moderate fracturing with common gouge, appears related to sheared texture

<<Struc: 378.1 - 378.25 Weak to moderate Sheared 50 deg. >> Minor shearing

<<Struc: 381 - 381.5 Weak to moderate fault>> Broken and blocky, minor gouge on fractures

<<Struc: 384.9 - 385.5 Moderate Fault zone>> Broken and rubbly

<<Struc: 385.5 - 386.18 Moderate fault>> Fault breccia, competent

<<Struc: 386.18 - 388.25 Moderate fault>> Broken and rubbly, localized gouge

<<Struc: 391.2 - 391.2 Weak to moderate Veining - fracture fill 30 deg. >> Hematite-rich vein

<<Struc: 392.69 - 392.69 Moderate Veining - fracture fill 48 deg. >> Solid hematite vein, 12mm wide

<<Struc: 395 - 396.3 Weak to moderate fault>> Blocky faulting/shearing locally over interval

<<Struc: 397.2 - 398.37 Moderate fault 50 deg. >> Faulting/shearing at bottom of hole with fault gouge

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
375.10	377.98	2.88	S192710	1.6	84	181.1	1.02	0.7
377.98	380.09	2.11	S192711	1.4	113	185	1.08	0.4
380.09	383.00	2.91	S192712	0.8	102	172.75	0.77	0.9
383.00	385.50	2.50	S192713	1.9	97	177.82	0.74	0.4
385.50	388.00	2.50	S192714	1.6	132	210.32	0.83	1.1
388.00	389.97	1.97	S192715	0.6	101	192.39	0.87	0.4
389.97	390.37	0.40	S192716	0.9	29	25.35	0.34	-0.1
390.37	393.00	2.63	S192717	4.7	116	195.71	2.25	0.9
393.00	396.00	3.00	S192718	3.4	100	191.29	1.19	0.6
396.00	398.37	2.37	S192719	1	115	175.36	0.78	1.3

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251

End of Hole @ 398.37

EQUITY | EXPLORATION CONSULTANTS LTD.

GeoSpark Logger ~ Drill Log

Project: **Mt Milligan** **Hole Number:** **15-1023**

Prospect:	Mitzi	Hole Type:	DD	Survey Type:	GPS	Logged By:	Thomas Branson
Grid:	NAD83_Z10	Hole Diameter:		Survey By:	Thomas Branson	Date Logging Start:	
UTM Easting	431079	Core Size:	NQ	Azimuth:	60	Date Logging Complete:	
UTM Northing:	6111810	Casing Pulled?:	No	Dip:	-45	Drill Company:	LDS
UTM Elev. (m):	1126	Casing Depth (m):	41.15	Length (m):	41.15	Drill Rig:	Rig1
Local Easting:		Stored?:		Claims Title		Drill Started:	28/10/2015
Local Northing:		Cemented?:		Core Storage Loc.:		Drill Completed:	28/10/2015
Local Elev. (m):							

Comments:

This hole was designed to target the centre of the Mitzi chargeability high and intersect the flank of the magnetic anomaly under Mitzi Lake, however the hole was abandoned after the pin on a casing rod snapped as the rods were being pulled out, leaving five casing rods still in the hole. The hole did not reach bedrock and remained in overburden.

Downhole Surveys:

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
0.00	**41.15**	**CASE Casing/Overburden** 0 - 41.15: Overburden - Hole abandoned.									

End of Hole @ 41.15

EQUITY | EXPLORATION CONSULTANTS LTD.

GeoSpark Logger ~ Drill Log

Project: **Mt Milligan** **Hole Number:** **15-1024**

Prospect:	Mitzi	Hole Type:	DD	Survey Type:	GPS	Logged By:	Thomas Branson
Grid:	NAD83_Z10	Hole Diameter:		Survey By:	Thomas Branson	Date Logging Start:	01/11/2015
UTM Easting	431079	Core Size:	NQ	Azimuth:	60	Date Logging Complete:	08/11/2015
UTM Northing:	6111810	Casing Pulled?:	Yes	Dip:	-65	Drill Company:	LDS
UTM Elev. (m):	1126	Casing Depth (m):	64	Length (m):	547.12	Drill Rig:	Rig1
Local Easting:		Stored?:	Yes	Claims Title		Drill Started:	28/10/2015
Local Northing:		Cemented?:	Yes	Core Storage Loc.:		Drill Completed:	07/11/2015
Local Elev. (m):							

Comments:

This hole was designed to target the centre of the Mitzi chargeability high and intersect the flank of the magnetic anomaly under Mitzi Lake. With a steeper drill angle than abandoned Hole 15-1023, the geophysical targets would still be intersected though at a slightly more oblique angle than the shallower hole.

The hole was initially cased to 30 m, but the hole continued in overburden to 65 m and had to be re-cased to bedrock. The hole consists mainly of andesitic units (79%), varying from lapilli tuffs to tuffs to undifferentiated andesite; below 315 m is primarily andesite pyroxene flow with characteristic snowflake plagioclase phenocrysts. Monzodiorite units commonly cut andesite units (18%), up to 19 m wide. Minor trachyte and latite units were also intersected (3%).

Between 85-101.5 m, fine to medium grained monzonite locally hosts pyrrhotite+/-chalcopyrite in calcite veinlets and mineralization appears related to albite alteration overprinting primary biotite alteration. From 161-169 m, the fine to medium grained monzonite appears to intrude into beds of thinly bedded graphitic argillite hosting up to 2% pyrrhotite along the bedding planes and 1-2% pyrite along fractures. Immediately below the argillite-monzonite interfingering, calcite+/-quartz veining with strong pervasive albite selvage hosts 0.5-1% pyrrhotite and up to 0.1% chalcopyrite at 171 m. From 171-191 m, 0.1-0.3% pyrrhotite+/- trace chalcopyrite is typically associated with albite alteration and veining, though is also weakly disseminated proximal to veinlets. Mineralization is sparse through most of the hole, however trace disseminated arsenopyrite associated with albite alteration in foliated andesite was noted between 516-535 m. From 533-547 m, disseminated pyrite pyrrhotite is hosted in the centre of strongly sericite altered phenocrysts.

Structurally, two competent faults zones with fault breccias were intersected between 134-139 m and 153-161 m. Most of the hole is competent, however from 534-547 m the hole is very broken and blocky. Common vein breccia with calcite veins hosting wallrock within breccias.

Original biotite alteration is commonly overprinted by pervasive to vein halo/selvage albite-sericite, particularly in monzodiorite units. Mineralization is commonly related to alteration and veining with moderate to strong alteration halos/selvage Epidote-sericite-chlorite is most apparent within the andesite pyroxene flow units from 315-510 m. Localized potassium feldspar alteration was noted along one fracture at 525-527 m. Strong sericite-quartz-pyrite alteration from 533-547 m, suggesting alteration assemblages grading from propylitic zone to phyllic alteration as the hole approached the Mitzi magnetic anomaly.

Downhole Surveys:

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
77.72	-64.8	44.8	18.5	63.3	ReflexEZS	LDS drilling	31/10/2015	5834	☑	
123.44	-64.8	45.7	18.5	64.2	ReflexEZS	LDS drilling	31/10/2015	5838	☑	
169.16	-64.5	219.8	18.5	238.3	ReflexEZS	LDS drilling	01/11/2015	5146	☐	Wonky magnetic reading and almost 180 degrees off
214.88	-63.2	46.9	18.5	65.4	ReflexEZS	LDS drilling	01/11/2015	5860	☑	
260.6	-62.8	48.5	18.5	67	ReflexEZS	LDS drilling	02/11/2015	5794	☑	
306.32	-61.8	48.7	18.5	67.2	ReflexEZS	LDS drilling	03/11/2015	5841	☑	
352.04	-61.5	51.1	18.5	69.6	ReflexEZS	LDS drilling	03/11/2015	5835	☑	

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
397.76	-60	51.9	18.5	70.4	ReflexEZS	LDS drilling	03/11/2015	5828	☑	
443.48	-58.6	53.5	18.5	72	ReflexEZS	LDS drilling	05/11/2015	5825	☐	
489.2	-57.6	54.5	18.5	73	ReflexEZS	LDS drilling	06/11/2015	5841	☑	
534.92	-56.9	56	18.5	74.5	ReflexEZS	LDS drilling	06/11/2015	5815	☑	

From (m)	To (m)	Rocktype & Description

0.00 64.62 CASE Casing/Overburden

0 - 64.62: Casing, originally to 30.48 m, but re-drilled to 64.62 m. Clay seams and variable lithologies

<<Min: 63.9 - 64.9 0.5% pyrite>> Fracture related pyrite

<<Struc: 63.9 - 66 Weak to moderate fault>> Broken and rubbly, locally graphitic gouge

64.62 85.10 MNDR Monzodiorite grey FMG

64.62 - 85.1: From 64.62-73.15 m, rock was re-drilled once casing reach 64.62 m. This interval is suspect as to whether it is bedrock with narrow intervals of graphitic argillite, possibly xenoliths, hosted within monzodiorite.

Broken to fractured, locally faulted, coarse-grained plagioclase porphyritic monzodiorite.

<<Min: 66 - 66.77 0.5% pyrite>> Fracture related pyrite

<<Min: 67.6 - 69.95 0.5% pyrite>> Fracture related pyrite

<<Min: 69.95 - 71.9 1% pyrite>> Fracture related, though locally forming >1mm blebs along fractures

<<Min: 72.4 - 80.77 0.1% pyrite>> Trace pyrite, disseminated and rarely fracture related

<<Min: 80.77 - 81.75 0.5% pyrite>> Fracture-filling pyrite, commonly with calcite veinlets and stringers, locally >1mm blebs

<<Min: 81.75 - 82.29 0.1% pyrite>> Trace pyrite, disseminated and less commonly in fracture fill

<<Min: 82.29 - 85.1 0.3% pyrite>> Disseminated and fracture fill pyrite,

<<Alt: 69.95 - 71.9 moderate to strong Quartz>> Pervasive silicification with albite

<<Alt: 69.95 - 71.9 Moderate Albitisation >> Light grey alteration associated with silicification

<<Alt: 73.15 - 82.29 Moderate Sericite>> Patchy sericite, commonly as selvage of fractures and veinlets, overprinting biotite alteration

<<Alt: 73.15 - 82.29 Moderate Biotite>> Pervasive biotite (purplish) alteration of monzodiorite, overprinted by sericite and albite

<<Alt: 77.63 - 82.29 Moderate Quartz>> Patchy silica alteration

<<Alt: 82.29 - 85.1 Moderate Quartz>> Pervasive silicification with albite alteration

<<Alt: 82.29 - 86.5 moderate to strong Albitisation >> Pervasive albite, crossing contact between monzodiorite and andesite tuff

<<Vein: 66 - 66.77 2% Calcite>> Calcite stringers and veinlets with pyrite

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
63.70	64.90	1.20	S192721	2.6	293	144.45	2.01	2.4
64.90	66.00	1.10	S192722	2.2	25	4.97	0.1	4
66.00	66.77	0.77	S192723	-0.2	345	145.33	1.86	66.3
66.77	67.60	0.83	S192724	3	210	18.58	0.73	14
67.60	69.95	2.35	S192726	0.7	477	126.86	4.06	145.1
69.95	72.20	2.25	S192727	8	63	15.11	1.03	26.6
72.20	74.68	2.48	S192728	-0.2	88	14.71	5.96	42.3
74.68	77.63	2.95	S192729	3.1	39	6.76	0.09	5
77.63	80.00	2.37	S192731	1	56	8.2	1.27	3.1
80.00	82.29	2.29	S192732	5.4	35	8.02	0.07	3
82.29	85.10	2.81	S192733	7.5	36	5.64	0.06	57.8

From (m)	To (m)	Rocktype & Description

<<Vein: 73.15 - 77.63 2% Calcite>> Calcite hairline to stringers infilling fractures

<<Vein: 77.63 - 83 2% Calcite>> Calcite +/- pyrite veinlets infilling fractures

<<Vein: 83 - 86.5 0.5% Calcite>> Calcite +/- pyrite stringers and hairline veinlets infilling fractures

<<Struc: 66 - 66.3 moderate to strong fault>> Graphitic fault gouge

<<Struc: 66.77 - 67.6 Moderate fault>> Broken and rubbly with weak gouge

<<Struc: 69 - 69.95 Moderate Sheared 75 deg. >> Sheared argillite/monzonite interfingering with local graphitic gouge

<<Struc: 69.95 - 69.96 Moderate contact 75 deg. >> Sharp contact between argillite and monzodiorite

<<Struc: 71.1 - 71.9 Strong Fractured>> Strong fracturing of monzodiorite

<<Struc: 71.9 - 72.2 moderate to strong fault>> Fault breccia, competent

<<Struc: 72.2 - 72.2 Moderate contact>> Undulating and likely sheared contact at near perpendicular angle to core axis

<<Struc: 72.2 - 74.4 Moderate fault>> Broken graphitic argillite interval

<<Struc: 72.4 - 72.4 contact>> Irregular contact between sheared argillite and monzodiorite

<<Struc: 73.15 - 74.68 Moderate fault>> Broken and rubbly

<<Struc: 74.68 - 77.63 Moderate Fractured>> Fracturing of monzodiorite, commonly infilled by calcite+/-pyrite

<<Struc: 77.75 - 82.29 Weak to moderate Fractured>> Weak to moderate fracturing, infilled by calcite

<<Struc: 84.4 - 84.97 Weak to moderate fault>> Broken and blocky

85.10 101.30 ANTF Andesitic tuff grey pink FMG

85.1 - 101.3: Broken to competent fine- to medium-grained andesite tuff, with purplish hue commonly altered by albite selvage along fractures and veining

<<Min: 85.1 - 86.5 0.3% pyrite>> Fracture filling and veinlet-hosted pyrite

<<Min: 86.5 - 87.5 0.3% pyrrhotite>> Veinlet hosted and weakly disseminated pyrrhotite

<<Min: 86.5 - 87.5 0.1% chalcopyrite>> Trace to minor vein-hosted chalcopyrite

<<Min: 87.5 - 101.24 0.1% pyrrhotite>> Trace vein hosted pyrrhotite

<<Min: 89.33 - 89.33 0.5% pyrrhotite>> Pyrrhotite hosted in 5mm wide calcite vein at 50 deg TCA

<<Min: 89.33 - 89.33 0.1% chalcopyrite>> Trace chalcopyrite hosted in 5mm wide calcite vein at 50 deg TCA

<<Min: 89.38 - 89.38 0.5% pyrite>> Pyrite in calcite vein, up to 8mm wide

<<Min: 90 - 90.5 0.1% chalcopyrite>> Trace chalcopyrite

<<Min: 100.24 - 102.1 0.3% pyrite>> Fine disseminated pyrite and locally in veinlets and breccia

<<Min: 100.24 - 102.1 0.1% pyrrhotite>> Localized pyrrhotite hosted in veining and disseminated in breccia

<<Alt: 86.5 - 96.4 Weak to moderate Calcite>> Vein-like calcareous alteration with common brecciation texture and erratic orientation

<<Alt: 86.5 - 100.24 Moderate Albitisation >> Selvages up to several centimeters from fractures and veins, locally near pervasive

<<Alt: 86.5 - 101.3 Weak to moderate Calcite>> Pervasive calcite alteration of groundmass

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
85.10	87.60	2.50	S192734	10.9	63	26.82	0.14	79.4
87.60	89.92	2.32	S192735	3.9	196	183.18	1.4	11.7
89.92	92.00	2.08	S192736	1.2	177	183.86	6.28	8
92.00	95.00	3.00	S192737	-0.2	108	197.75	7.19	10.7
95.00	97.00	2.00	S192738	1	154	197.78	8.02	12.1
97.00	99.06	2.06	S192739	-0.2	199	198.15	4.81	16.1
99.06	100.24	1.18	S192740	4.8	320	205.01	3.51	11.2
100.24	101.30	1.06	S192741	3.9	300	214.79	2.49	25.4

From (m)	To (m)	Rocktype & Description

<<Alt: 87 - 88 Moderate Albitisation >> Local pervasive albite

<<Alt: 91.05 - 103.1 Moderate Quartz>> Pervasive silicification

<<Alt: 100.24 - 101.3 Moderate Albitisation >> Localized pervasive albite, within breccia also

<<Vein: 86.5 - 101.3 1% Calcite>> Calcite stringers, veinlets and veining locally hosts pyrrhotite and chalcopyrite

<<Struc: 85.1 - 85.1 Weak to moderate contact>> Broken contact and obscured by strong albite alteration

<<Struc: 89 - 89 Weak to moderate Fractured 30 deg. >> Common fracturing at 30 deg TCA

<<Struc: 91.7 - 92 Moderate Brecciated >> Calcite cement/matrix with pebble-sized angular fragments of andesite

<<Struc: 95.8 - 95.8 Weak to moderate Veining - fracture fill 40 deg. >> Up to 14mm wide, calcite

<<Struc: 98 - 99 Weak fault>> Minor broken core

<<Struc: 100.6 - 101 Moderate Brecciated 40 deg. >> Albite altered with fine to coarse grained matrix supported and calcite altered matrix

101.30 111.45 MNDR Monzodiorite grey FCG

101.3 - 111.45: Broken to competent coarse-grained plagioclase porphyritic monzodiorite, with biotite alteration overprinted by albite+/-sericite fracture and vein selvages

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
101.30	103.60	2.30	S192742	0.6	78	14.22	1.44	5
103.60	106.00	2.40	S192743	10.7	135	12.13	0.11	7.5
106.00	108.00	2.00	S192744	9.9	156	11.65	0.07	4.5
108.00	110.00	2.00	S192746	4.1	120	5.02	0.04	2.7
110.00	111.45	1.45	S192747	2.6	48	7.93	0.05	3.1

<<Min: 102.1 - 111.45 0.1% pyrite>> Trace pyrite along fractures and hosted in veinlets

<<Alt: 101.3 - 110 Moderate Albitisation >> Near pervasive albite, though biotite alteration not wholly replaced

<<Alt: 101.3 - 111.45 Weak Sericite>> Commonly with albite as selvage to pervasive, also altering plagioclase phenocrysts

<<Alt: 102.15 - 111.45 Weak Biotite>> Overprinted by albite+/-sericite

<<Alt: 103.6 - 110 Moderate Quartz>> Pervasive silicification, decreasing in intensity as fracturing and faulting increases

<<Vein: 101.3 - 110 1% Calcite 70 deg. >> Calcite stringers and veinlets, locally with pyrite

<<Vein: 101.75 - 102.1 0.5% Quartz 35 deg. >> Localized quartz+/-pyrrhotite+/-pyrite veining and veinlets,

<<Struc: 101.3 - 101.3 Moderate contact 70 deg. >> Contact between andesite and monzodiorite, sharp, but broken

<<Struc: 102 - 102 Weak to moderate Veining - fracture fill 39 deg. >> 5mm quartz+/-pyrite vein

<<Struc: 103.1 - 103.6 Moderate fault 45 deg. >> Fault breccia with clay gouge, locally competent

<<Struc: 103.6 - 106.5 Weak to moderate Fractured>> Weak to moderate fracturing, commonly broken and locally faulted

<<Struc: 105.05 - 105.2 Weak to moderate fault 60 deg. >> Minor fault with loss of competence

<<Struc: 105.87 - 105.92 Weak to moderate fault>> Minor fault gouge

<<Struc: 106.5 - 107.5 Moderate Fractured>> Localized increase in fracturing

<<Struc: 107.2 - 107.22 Weak to moderate fault>> Minor fault gouge

<<Struc: 107.5 - 110.3 Weak to moderate Fractured>> Fracturing resulting in broken and blocky core

<<Struc: 110.3 - 111.45 Moderate Brecciated 44 deg. >> Fault brecciated monzodiorite, semi competent, clast supported

From (m)	To (m)	Rocktype & Description

111.45 115.41 TRD Trachyte Post-Mineral Dyke salt + pepper FMG

111.45 - 115.41: Broken to competent trachyte dyke, crowded appearance

<<Min: 111.45 - 115.41 0.1% pyrite>> Trace pyrite

<<Alt: 111.45 - 115.41 Weak Sericite>> Minor sericite alteration as selvage with albite

<<Alt: 111.45 - 115.41 Weak to moderate Albitisation >> Patchy albite, commonly as selvage to veining, locally pervasive

<<Vein: 111.45 - 115.41 0.5% Calcite>> Calcite stringers and veinlets somewhat common

<<Struc: 111.45 - 111.45 Moderate contact 70 deg. >> Fuzzy contact between monzodiorite and trachyte

<<Struc: 114.3 - 115.3 Weak to moderate Sheared 15 deg. >> Slickens at low angle to core axis with trace pyrite

<<Struc: 115.36 - 115.41 Moderate fault 55 deg. >> Fault breccia at contact between trachyte dyke and andesite tuff

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
111.45	113.40	1.95	S192748	5.5	104	63.84	1.21	5.6
113.40	115.41	2.01	S192749	0.7	43	51.88	0.95	2.3

115.41 132.00 ANTF Andesitic tuff dark grey FG

115.41 - 132: Broken to competent andesite tuff with variable alteration and common calcite stringers and veining

<<Min: 115.41 - 132 0.1% pyrite>> Trace to local pyrite hosted in veinlets and as fracture fill

<<Min: 122.3 - 122.3 0.3% pyrite>> Pyrite vein hosted in albite altered zone

<<Alt: 115.41 - 118 Weak Albitisation >> Weak and patchy albite selvage, most common at top of interval towards upper contact

<<Alt: 115.41 - 132 Weak to moderate Calcite>> Weak to moderate response to acid

<<Alt: 118.4 - 121.9 Moderate Calcite>> Interstitial calcite (?) alteration, dark grey-bluish along fractures and veinlets, with associated fine disseminated pyrite. Interval is generally darker than andesite above and below

<<Alt: 121.93 - 132 Weak to moderate Albitisation >> Patchy albite, locally pervasive and related to fracturing and veining.

<<Alt: 131.5 - 134 Moderate Albitisation >> Patchy albite alteration, locally as selvage to semi pervasive, cutting across lithologies

<<Vein: 115.41 - 120.9 1% Calcite>> Calcite stringers and veinlets, commonly erratic. Trace pyrite and chlorite

<<Vein: 120.9 - 121.9 2% Calcite>> Calcite vein blowout/breccia up to 6 cm wide with swirling appearance, trace pyrite

<<Vein: 121.9 - 132 2% Calcite>> Calcite veinlets, stringers and veining, commonly faulted and erratic, local pyrite hosted

<<Vein: 123 - 127.3 0.5% Quartz>> Massive quartz-calcite veins (more like blebs) up to 4cm wide, locally with albite selvage

<<Struc: 116.1 - 116.1 Weak to moderate Veining - fracture fill 60 deg. >> Up to 1cm, calcite+/-sericite+/-pyrite

<<Struc: 117.1 - 117.1 Weak to moderate Sheared 65 deg. >> Localized shearing

<<Struc: 117.2 - 117.2 Weak to moderate Fractured 35 deg. >> Localized fracturing

<<Struc: 118 - 121.35 Weak to moderate fault>> Broken and blocky, with moderate fracturing and localized fault gouge

<<Struc: 123.07 - 123.14 Moderate Veining - fracture fill>> Blowout quartz-calcite vein

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
115.41	117.79	2.38	S192750	0.3	117	213.28	1.02	6.7
117.79	120.00	2.21	S192751	-0.2	127	246.17	1.64	9.2
120.00	121.93	1.93	S192752	0.3	148	210.44	1.15	13.5
121.93	124.50	2.57	S192753	-0.2	115	202.2	1.1	11.5
124.50	126.70	2.20	S192754	2.6	123	187.8	1.99	11.3
126.70	129.60	2.90	S192755	5	205	187.74	1.58	9.4
129.60	132.00	2.40	S192756	0.4	99	189.1	2.01	7.3

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251

<<Struc: 123.68 - 124.05 Weak to moderate fault>> Broken and rubbly

<<Struc: 124.5 - 126.5 Weak to moderate Fractured>> Weak to moderate fracturing, blocky and broken locally

<<Struc: 127.12 - 127.22 Moderate Veining - fracture fill 50 deg. >> Localized quartz-calcite+/-pyrite veining with albite/sericite selvage

<<Struc: 128 - 129.6 moderate to strong fault>> Broken and rubbly with significant core loss, minor gouge on fractures and local vein breccia in rubble

<<Struc: 130 - 132 Moderate Fractured>> Fractured and locally broken, particularly towards lower contact

132.00 132.85 ANTF Andesitic tuff light grey FCG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
132.00	132.85	0.85	S192757	3.5	70	73.13	1.95	16.4

132 - 132.85: Broken to competent hornblende-phyric andesite dyke

<<Min: 132 - 134.5 0.3% pyrite>> Disseminated pyrite, hosted in veinlets and fracture fill, locally more abundant in fault gouge

<<Alt: 132 - 132.95 Weak to moderate Clay>> Selective replacement of hornblende phenocrysts

<<Vein: 132 - 134.05 1% Calcite 50 deg. >> Calcite veinlets and lesser stringers common, trace pyrite, commonly oriented at 40 and 60 degrees to core axis

<<Struc: 132 - 132 Weak to moderate contact>> Broken contact between andesite tuff and hornblende-phyric andesite

<<Struc: 132 - 132.15 moderate to strong fault>> Broken and rubbly at contact between andesite tuff and hornblende-phyric andesite

<<Struc: 132.4 - 132.4 Weak Veining - fracture fill 40 deg. >> Common localized veining at 40 deg TCA

<<Struc: 132.7 - 132.7 Weak Veining - fracture fill 60 deg. >> Local veining at 60 deg TCA

132.85 134.50 ANLT Andesite lapilli tuff grey FG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
132.85	134.50	1.65	S192758	-0.2	63	81	2.05	21.2

132.85 - 134.5: Broken to competent speckled fine-grained andesite lapilli tuff

<<Struc: 132.85 - 132.85 contact>> Broken and faulted contact between hornblende-phyric andesite and andesite lapilli tuff

<<Struc: 132.85 - 133.8 moderate to strong fault>> Broken and rubbly with fault gouge, pyrite entrained and along veins material

<<Struc: 134.05 - 135 moderate to strong fault>> Rubble and fault gouge below andesite lapilli tuff, transitioning into fault with fault breccia towards bottom of interval

134.50 137.17 ANTF Andesitic tuff grey FCG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
134.50	137.17	2.67	S192759	-0.2	114	194.68	1.36	22.6

134.5 - 137.17: Mostly competent to gougey faulted andesite tuff with fine-grained to pebble-sized clasts entrained in fault breccia.

<<Min: 134.5 - 137.17 0.1% pyrite>> Trace pyrite

<<Alt: 135.5 - 136.22 Moderate Albitisation >> Moderate albite in fault gouge and breccia zone

<<Vein: 135.85 - 137.17 2% Calcite>> Calcite stringers faulted and infilling fractures within fault zone

<<Struc: 134.5 - 134.5 contact>> Broken and faulted contact between andesite lapilli tuff and andesite tuff

<<Struc: 135 - 135.85 moderate to strong fault>> Broken, rubbly with abundant clay gouge

From (m)	To (m)	Rocktype & Description

<<Struc: 135.85 - 136.22 Moderate Brecciated >> Fault breccia, cemented by clay gouge, competent

<<Struc: 136.22 - 136.24 Moderate Veining - fracture fill>> Brecciated calcite vein material, with black mineral, possibly tourmaline?

<<Struc: 136.22 - 137.17 Moderate Brecciated >> Strongly fractured to brecciated andesite tuff with calcite infill and sand to pebble clasts. Competent to semi competent

137.17 140.25 MNDR Monzodiorite light grey FCG

137.17 - 140.25: Faulted and broken coarse-grained plagioclase monzodiorite porphyry

<<Min: 137.17 - 138.68 0.3% pyrite>> Finely disseminated in fault gouge of monzodiorite

<<Min: 138.68 - 140.25 0.5% pyrite>> Disseminated and vein-hosted fine pyrite

<<Alt: 137.17 - 138.68 Moderate Albitisation >> Pervasive albite in fault zone of monzodiorite

<<Alt: 137.23 - 138.68 Strong Clay>> Clay gouge cementing fault breccia

<<Alt: 138.68 - 140.25 Moderate Sericite>> Pervasive sericite, appearing to represent strong selvage of veins, overprinting biotite alteration, locally discernible

<<Alt: 138.68 - 140.25 Weak to moderate Quartz>> Pervasive silicification

<<Alt: 138.68 - 140.25 Weak Albitisation >> Weak albite with sericite

<<Vein: 138.68 - 140.25 0.5% Calcite>> Calcite+/-pyrite stringers and veinlets somewhat common

<<Struc: 137.17 - 137.37 moderate to strong contact 80 deg. >> Fuzz contact within fault zone between andesite tuff and monzodiorite

<<Struc: 137.23 - 137.55 moderate to strong fault>> Strong local faulting with clay rubble

<<Struc: 137.55 - 138.68 Moderate Fault zone 25 deg. >> Fault breccia with sand to pebble sized clasts, mostly semi-competent wit clay gouge matrix

<<Struc: 138.68 - 140.25 Weak to moderate Fractured>> Broken and fractured monzodiorite

140.25 141.81 ANTF Andesitic tuff grey pink FG

140.25 - 141.81: Competent andesite tuff

<<Min: 140.25 - 141.81 0.1% pyrite>> Trace pyrite

<<Alt: 140.25 - 141.81 Weak to moderate Sericite>> <1-10mm wide selvages along fractures and stringers

<<Alt: 140.25 - 141.81 Weak Albitisation >> <1-10mm wide selvages along fractures and stringers

<<Vein: 140.25 - 141.81 0.25% Calcite>> Minor calcite stringers and veinlets, commonly with sericite-albite selvage

<<Struc: 140.25 - 140.25 Weak to moderate contact>> Broken contact between andesite and monzodiorite

141.81 147.96 MNDR Monzodiorite grey FCG

141.81 - 147.96: Broken to competent coarse-grained plagioclase monzodiorite porphyry

<<Min: 141.81 - 147.97 0.1% pyrite>> Calcite veinlet hosted trace pyrite

<<Alt: 141.81 - 147.97 Moderate Sericite>> Common selvage of sericite along fractures and veinlets, locally overprinting weak biotite. Selvage halo up to 2 cm wide

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
137.17	138.68	1.51	S192761	-0.2	84	25.53	0.54	7.7
138.68	140.25	1.57	S192762	-0.2	46	17.57	0.35	1.9
140.25	141.81	1.56	S192763	1.9	90	185.89	1.25	4.4
141.81	144.00	2.19	S192764	0.7	42	7.35	0.1	-0.1
144.00	146.00	2.00	S192766	1.3	16	7.4	0.11	0.4
146.00	147.96	1.96	S192767	0.2	45	6.67	0.09	0.4

From (m)	To (m)	Rocktype & Description

<<Alt: 141.81 - 147.97 Moderate Quartz>> Pervasive quartz, except along fractures with biotite alteration

<<Alt: 141.81 - 147.97 Weak Biotite>> Weak biotite alteration along fractures and veinlets, locally overprinted by sericite

<<Vein: 141.81 - 147.97 0.5% Calcite>> Calcite stringers and veinlets somewhat common, locally hosting pyrite

<<Struc: 141.81 - 141.81 Moderate contact 60 deg. >> Sharp contact between andesite tuff and monzodiorite, exhibits minor strain paralleling contact in andesite

<<Struc: 141.81 - 147.97 Weak Fractured>> Weak fracturing and blocky throughout interval

147.96 153.48 ANTF Andesitic tuff grey pink FMG

147.96 - 153.48: Broken to competent fine-grained andesite tuff, locally hornblende-phyric (147.97-148.10 m and 149.85-150.25 m)

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
147.96	150.88	2.92	S192768	-0.2	161	175.9	6.02	11.1
150.88	153.48	2.60	S192769	2.6	158	200.53	2.7	6.2

<<Min: 148.1 - 148.1 0.1% pyrrhotite>> Trace pyrrhotite with chalcopyrite in stringers

<<Min: 148.1 - 148.1 0.1% chalcopyrite>> Trace chalcopyrite in veinlets with pyrrhotite

<<Alt: 147.97 - 149 moderate to strong Albitisation >> Locally stronger albite from upper contact and locally associated with calcite-tourmaline veining/breccia

<<Alt: 147.97 - 152 Moderate Quartz>> Pervasive silicification

<<Vein: 147.97 - 152 1% Calcite>> Calcite stringers and hairline veinlets common, with trace pyrrhotite and chalcopyrite

<<Vein: 148.45 - 152.88 0.5% Calcite>> Calcite-tourmaline(blackish-blue mineral) veining and vein breccia, cm-scale widths over interval, relatively localized

<<Vein: 152 - 153.57 3% Calcite>> Calcite stringers and veining filling fractures and faulted

<<Struc: 147.97 - 147.97 Weak to moderate contact 55 deg. >> Sharp contact between monzodiorite and andesite tuff. Minor chill margin in andesite

<<Struc: 148.54 - 149.8 Weak to moderate fault>> Broken and blocky with local fault gouge at 148.90

<<Struc: 150.6 - 150.6 Weak to moderate fault 65 deg. >> Minor competent faulting

<<Struc: 152 - 153.48 moderate to strong Fractured 43 deg. >> Increased fracturing, getting stronger towards bottom contact, with shearing locally

153.48 156.00 MNDR Monzodiorite grey pink FCG

153.48 - 156: Semi-competent faulted and strongly fractured coarse-grained plagioclase monzodiorite porphyry

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
153.48	156.00	2.52	S192771	7.3	124	10.45	0.17	3

<<Min: 153.48 - 156 0.2% pyrite>> Finely disseminated pyrite hosted in fault breccia matrix

<<Alt: 153.48 - 156 Moderate Albitisation >> Patchy albite alteration of clasts within fault breccia

<<Alt: 153.48 - 156.25 moderate to strong Clay>> Clay matrix of fault breccia

<<Vein: 153.57 - 156 1% Calcite>> Calcite stringers and veinlets hosted within clasts contained in fault breccia

<<Struc: 153.48 - 153.48 Moderate contact 65 deg. >> Sharp contact between andesite tuff and monzodiorite within fault zone

<<Struc: 153.48 - 156.25 Moderate Fault zone>> Moderately competent fault zone with clay gouge hosting sand to pebble-sized clasts in local fault breccia

From (m)	To (m)	Rocktype & Description			
156.00	**157.00**	**ANTF**	**Andesitic tuff**	**grey**	**FG**

156 - 157: Broken and faulted andesite tuff

<<Alt: 156.25 - 158.6 Weak to moderate Quartz>> Moderately silicified

<<Vein: 156 - 158.3 0.5% Calcite>> Calcite stringers cut andesite and monzodiorite

<<Struc: 156 - 156 Moderate contact 23 deg. >> Shallow angle TCA contact between faulted monzodiorite and andesite tuff

<<Struc: 156.25 - 157 Weak to moderate fault>> Broken and rubbly

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
156.00	157.00	1.00	S192772	5.5	167	208.17	0.93	3

157.00	**160.90**	**MNDR**	**Monzodiorite**	**grey pink**	**FCG**

157 - 160.9: Faulted, semi-competent plagioclase monzodiorite porphyry.

<<Min: 157 - 158.6 0.1% pyrite>> Trace pyrite

<<Min: 158.6 - 160.9 0.3% pyrite>> Finely disseminated in fault, locally as 1-2mm blebs

<<Alt: 157 - 158.3 Weak Sericite>> Minor sericite selvage along fractures and veinlets

<<Alt: 158.3 - 158.6 moderate to strong Sericite>> Localized strong sericite alteration in silicified and fractured interval

<<Alt: 158.6 - 162.31 moderate to strong Clay>> Strong clay alteration of fault breccia matrix

<<Struc: 157 - 157 Weak to moderate contact>> Broken contact between monzodiorite and andesite

<<Struc: 157 - 158.3 Moderate fault>> Broken and rubbly with local fault gouge

<<Struc: 158.3 - 158.6 moderate to strong Fractured>> Locally strong fracturing above faulting

<<Struc: 158.6 - 162.31 Moderate Fault zone 35 deg. >> Clay-cemented fault breccia zone with internal foliation of 30-40 degrees TCA.

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
157.00	158.62	1.62	S192773	8.7	96	15.14	0.26	1.2
158.62	159.10	0.48	S192774	25.7	150	17.62	0.28	11.5
159.10	160.90	1.80	S192775	3.2	149	149.6	0.9	9.1

160.90	**171.45**	**TRD**	**Trachyte Post-Mineral Dyke**	**dark grey**	**FG**

160.9 - 171.45: Mostly competent, locally faulted near upper contact, trachyte dyke with graphitic argillite xenolith/interfingering. Fine grained equigranular texture with fine disseminated pyrrhotite

<<Min: 162.31 - 164.2 0.3% pyrrhotite>> Finely disseminated pyrrhotite in groundmass of trachyte

<<Min: 162.31 - 169.7 0.5% pyrite>> Mainly hosted in fractures related to argillite but also hosted in veinlet and disseminated

<<Min: 164.2 - 164.89 1% pyrrhotite>> Disseminated pyrrhotite in foliation/bedding plane of argillite

<<Min: 164.89 - 167.28 0.3% pyrrhotite>> Finely disseminated pyrrhotite in groundmass of trachyte

<<Min: 167.28 - 168.44 1% pyrrhotite>> Disseminated pyrrhotite in foliation/bedding plane of argillite

<<Min: 167.9 - 240 0.1% pyrite>> Vein-hosted pyrite, trace to localized

<<Min: 168.44 - 169.7 0.3% pyrrhotite>> Finely disseminated pyrrhotite in groundmass of trachyte

<<Min: 170.85 - 171.45 0.5% pyrrhotite>> Vein and veinlets hosted pyrrhotite with chalcopyrite, forming mm-scale blebs along vein margins

<<Min: 170.85 - 171.45 0.1% chalcopyrite>> Vein and veinlets hosted pyrrhotite with chalcopyrite, forming sub mm-scale blebs along vein margins

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
160.90	162.31	1.41	S192776	-0.2	196	116.54	1.62	51.2
162.31	164.00	1.69	S192777	2.3	137	109.99	1.78	1.6
164.00	164.89	0.89	S192778	2	230	134.38	2.24	0.3
164.89	167.28	2.39	S192779	0.8	117	99.66	0.39	7
167.28	168.44	1.16	S192780	5.5	123	138.01	1.83	5.6
168.44	171.45	3.01	S192781	2.9	124	179.87	1.41	4.3

From (m)	To (m)	Rocktype & Description

<<Alt: 162.31 - 164.2 Weak to moderate Albitisation >> Altering fine-grained groundmass of trachyte, but not argillite, where present

<<Alt: 164.81 - 167.28 Weak to moderate Albitisation >> Altering fine-grained groundmass of trachyte, but not argillite, where present

<<Alt: 167.9 - 240.5 Moderate Quartz>> Moderately silicified

<<Alt: 168.44 - 169.7 Weak to moderate Albitisation >> Altering fine-grained groundmass of trachyte, but not argillite, where present

<<Alt: 169.7 - 170.85 Weak to moderate Albitisation >> Albite selvage on veinlets

<<Alt: 169.7 - 265.28 Weak to moderate Calcite>> Pervasive calcite with weak to moderate response to acid

<<Alt: 170.85 - 171.45 moderate to strong Albitisation >> Locally pervasive albite with calcite-quartz veining hosting pyrrhotite and chalcopyrite

<<Vein: 162.31 - 166.12 1% Calcite>> Calcite stringers common, locally hosting pyrite proximal to argillite units

<<Vein: 166.12 - 169.6 0.25% Calcite>> Very minor calcite stringers, locally with pyrite

<<Vein: 169.7 - 242.42 1% Calcite>> Calcite stringers and veinlets common and can locally form vein breccias with wall rock entrained in vein. Trace pyrite, pyrrhotite and chalcopyrite. Rare epidote

<<Vein: 170.85 - 171.45 1% Quartz 35 deg. >> Quartz veins hosting pyrrhotite and chalcopyrite

<<Struc: 163.8 - 163.8 Moderate Veining - fracture fill 40 deg. >> Calcite-pyrite vein, 5mm wide with 2 cm selvage and minor fault with gouge paralleling vein

<<Struc: 164.7 - 164.7 Moderate Bedded 37 deg. >> Bedding/S1 of graphitic argillite

<<Struc: 168.44 - 168.44 Moderate Bedded 43 deg. >> Bedding/S1 of graphitic argillite

<<Struc: 169.6 - 169.7 Moderate Veining - fracture fill 52 deg. >> Localized calcite veining and interfingering of trachyte with argillite at lower contact

<<Struc: 169.7 - 169.7 Moderate contact 52 deg. >> Sharp contact and weakly broken

<<Struc: 171 - 171.3 Moderate Veining - fracture fill 15 deg. >> Quartz-calcite veins cross-cutting conjugate quartz veins, both hosting pyrrhotite and chalcopyrite.

<<Struc: 171.15 - 171.45 Moderate Veining - fracture fill 33 deg. >> 6mm quartz vein hosting pyrrhotite and chalcopyrite with lesser veinlets parallel over interval. Cross cut by conjugate quartz-calcite veins at 15 deg TCA

171.45 265.28 ANTF Andesitic tuff grey pink FG

171.45 - 265.28: Mainly competent massive andesite tuff

<<Min: 171.45 - 240 0.1% pyrrhotite>> Trace pyrrhotite in veinlets and fracture fill, commonly associated with sericite-albite selvage

<<Min: 171.45 - 240 0.1% chalcopyrite>> Trace chalcopyrite hosted in veinlets and fracture-fill, commonly forming with pyrrhotite and associated with sericite-albite selvage

<<Min: 210 - 211.5 0.3% pyrite>> Localized pyrite in veinlets

<<Min: 226 - 227 0.3% pyrite>> Locally fine disseminated pyrite

<<Min: 226 - 229 0.3% pyrite>> Localized increase in pyrite hosted in veins

<<Min: 226 - 229 0.3% pyrrhotite>> Localized increase in pyrrhotite hosted in veins

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
171.45	174.00	2.55	S192782	1.8	135	212.83	1.12	1.3
174.00	177.00	3.00	S192783	4.6	76	196.41	1.98	4.4
177.00	180.00	3.00	S192784	3.6	108	214.64	1.19	3.3
180.00	183.00	3.00	S192786	1.8	161	217.6	1.91	3.5
183.00	186.00	3.00	S192787	1.4	200	209.13	0.92	2.8
186.00	189.00	3.00	S192788	9.3	349	224.08	0.91	5.8
189.00	192.00	3.00	S192789	5.4	232	212.58	0.49	3.8

From (m)	To (m)	Rocktype & Description
		<<Min: 240 - 242.42 0.1% pyrrhotite>> Trace pyrrhotite, with pyrite and lesser chalcopyrite
		<<Min: 240 - 242.42 0.1% chalcopyrite>> Trace chalcopyrite, hosted in veinlets locally with pyrite and pyrrhotite
		<<Min: 240 - 246 0.5% pyrite>> Common vein-hosted pyrite
		<<Min: 246 - 255 0.1% pyrite>> Trace pyrite in veinlets and fractures
		<<Min: 255 - 265.28 0.1% pyrite>> Trace pyrite hosted in veinlets and local vein breccia
		<<Min: 255 - 265.28 0.1% pyrrhotite>> Trace pyrrhotite hosted in veinlets
		<<Min: 255 - 265.28 0.1% chalcopyrite>> Trace chalcopyrite in veinlets
		<<Alt: 171.45 - 200 Weak to moderate Sericite>> Patchy sericite selvage along veins and fractures. Mineralization more commonly associated to veining with selvage
		<<Alt: 171.45 - 200 Weak to moderate Albitisation >> Patchy albite selvage along veins and fractures. Mineralization more commonly associated to veining with selvage
		<<Alt: 207 - 214 Weak Albitisation >> Patchy and weak selvage locally with sericite
		<<Alt: 207 - 214 Weak Sericite>> Patchy and weak sercite selvage locally
		<<Alt: 219 - 232 Weak Albitisation >> Patchy and weak selvage along fractures and veinlets
		<<Alt: 219 - 232 Weak Sericite>> Patchy and weak selvage along fractures and veinlets
		<<Alt: 239 - 240 Weak Sericite>> Patchy selvage, with albite, locally more intense
		<<Alt: 239 - 242.42 Weak Biotite>> Purplish-grey hue to andesite, possibly biotite alteration?
		<<Alt: 239 - 247 Weak to moderate Albitisation >> Patchy selvage of albite, typically sub-mm envelope, but locally more intense
		<<Alt: 240 - 241 Moderate Sericite>> Local moderate sericite related to breccia-fracture-vein zone
		<<Alt: 240 - 241 Moderate Albitisation >> Moderate albite selvage in breccia-fracture-vein zone
		<<Alt: 241.5 - 247 Moderate Quartz>> Pervasive silicification
		<<Alt: 242.42 - 244 Moderate Epidote-Chlorite>> Fracture and vein related epidote
		<<Alt: 244 - 247 Weak Biotite>> Weak purplish grey hue to andesite, thought to be biotite alteration
		<<Alt: 247 - 247.7 moderate to strong Albitisation >> Fault-related albite
		<<Alt: 247 - 247.7 Moderate Sericite>> Fault related sericite with albite
		<<Alt: 247.7 - 255 Weak Albitisation >> Weak and patchy albite selvage
		<<Alt: 247.7 - 255 Weak Sericite>> Weak and patchy selvage
		<<Alt: 247.7 - 265.28 Moderate Quartz>> Pervasive silicification
		<<Alt: 255 - 259.5 Weak Biotite>> Dark-purplish hue to core, thought to be biotite alteration
		<<Alt: 255 - 261.45 Moderate Albitisation >> Patchy selvage, locally near-pervasive
		<<Alt: 255 - 261.45 Moderate Sericite>> Patchy selvage, locally near-pervasive
		<<Alt: 261.45 - 263.85 Moderate Sericite>> Patchy but more common sericite selvage, locally pervasive
		<<Alt: 261.45 - 263.85 Moderate Albitisation >> Patchy but more common albite selvage, locally pervasive

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
192.00	195.00	3.00	S192790	14.8	233	208.55	1.01	3.9
195.00	198.00	3.00	S192791	5.3	180	207.85	0.76	3.4
198.00	201.00	3.00	S192792	1	158	225.24	0.71	3.6
201.00	204.00	3.00	S192793	3	155	246.12	0.78	3.5
204.00	207.00	3.00	S192794	1.5	138	210.08	0.29	2
207.00	210.00	3.00	S192795	2.8	174	228.7	0.4	1.9
210.00	213.00	3.00	S192796	20.2	241	213.95	0.48	2.9
213.00	216.00	3.00	S192797	6.1	214	215.92	0.41	4
216.00	219.00	3.00	S192798	4.4	190	204.61	0.41	2.2
219.00	221.00	2.00	S192799	2.8	157	200.21	0.42	4
221.00	223.00	2.00	S192801	13.9	225	239.58	0.68	5
223.00	226.00	3.00	S192802	57.4	500	210.1	0.56	1.3
226.00	229.00	3.00	S192803	10.9	269	210.23	0.31	1.4
229.00	232.00	3.00	S192804	4.8	221	243.5	0.35	2.2
232.00	235.00	3.00	S192806	18.4	235	206.83	0.66	3.1
235.00	237.00	2.00	S192807	9.3	247	221.39	0.56	1.3
237.00	239.45	2.45	S192808	27.2	321	206.03	0.28	1
239.45	242.42	2.97	S192809	52.3	774	208.96	0.84	2.2
242.42	244.00	1.58	S192811	7.5	157	195.58	0.67	1.7
244.00	247.00	3.00	S192812	6.9	174	175.38	0.49	1.2
247.00	250.00	3.00	S192813	3	117	177.42	0.57	1.4
250.00	253.00	3.00	S192814	3.7	127	206.11	0.37	1.7
253.00	255.00	2.00	S192815	2.6	122	204.9	0.3	2
255.00	257.56	2.56	S192816	3.2	139	204.13	0.4	1.1
257.56	259.50	1.94	S192817	2.2	126	197.24	0.26	0.2
259.50	261.45	1.95	S192818	1.3	107	203.3	0.37	1.4
261.45	263.00	1.55	S192819	1.6	162	230.11	1.37	12
263.00	265.28	2.28	S192820	0.9	172	225.18	0.79	7.7

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251

<<Vein: 174 - 220 0.25% Calcite>>   Calcite 'tubes' of subhedral calcite, typically 1cm, up to 3cm across. Rarely hosting disseminated sulphides. Variable distribution, with 10-15/m to m's apart.

<<Vein: 174 - 226 0.5% Calcite>>   Vein breccias with colloform-like to erratic texture and common pastel white to cream colour alteration of presumed matrix, and pale reds to greens along margins of veining. Reacts to acid but is also hard. Typically cm-scale up to 4cm across

<<Vein: 226 - 230 0.5% Calcite 15 deg. >>   Calcite-quartz-chlorite-pyrite-pyrrhotite-chalcopyrite veins and veinlets

<<Vein: 238.5 - 246 0.5% Calcite 20 deg. >>   Calcite-quartz-pyrite-chlorite veining, up to 2cm wide, commonly sheared appearance with wall rock fragments entrained, locally creating vein breccias

<<Vein: 242.42 - 244 5% Calcite>>   Abundant calcite stringers and veinlets, locally with epidote, common as fracture fil

<<Vein: 244 - 265.28 1% Calcite>>   Calcite stringers and veinlets, locally with sericite-albite selvage and pyrrhotite-chalcopyrite

<<Vein: 250 - 265.28 1% Calcite>>   Calcite-quartz veining, erratic and locally faulted, ranging from <1mm-5mm

<<Vein: 250 - 265.38 0.25% Calcite>>   Calcite 'tubes' of subhedral calcite, typically 1cm, up to 3cm across. Rarely hosting disseminated sulphides. Variable distribution, with 10-15/m to m's apart.

<<Struc: 181.5 - 181.5 Weak to moderate Veining - fracture fill 20 deg. >>   Calcite+epidote+pyrite veining

<<Struc: 192 - 192 Weak to moderate Veining - fracture fill 20 deg. >>   Veinlet, 2mm, with sericite-albite selvage

<<Struc: 193 - 193 Moderate Veining - fracture fill 15 deg. >>   Fracture-fill veining in tension-gash, horse-tail like splay with pyrrhotite and trace chalcopyrite

<<Struc: 196.8 - 196.8 Weak to moderate Veining - fracture fill 0 deg. >>   Veinlet with sericite-albite selvage and hosting pyrrhotite parallel TCA

<<Struc: 197.1 - 197.1 Weak to moderate Veining - fracture fill 50 deg. >>   Veinlet with pyrrhotite and sericite-albite selvage

<<Struc: 207 - 207.8 Weak to moderate Fractured>>   Broken and blocky

<<Struc: 208.3 - 209 Weak to moderate Fractured>>   Broken and blocky

<<Struc: 211.5 - 211.5 Weak to moderate Veining - fracture fill 10 deg. >>   Sub-parallel TCA calcite-sericite-pyrite vein, 2mm wide

<<Struc: 213.35 - 213.35 Moderate Veining - fracture fill 40 deg. >>   Calcite vein with pyrrhotite and 2cm wide sericite-albite halo

<<Struc: 213.87 - 213.95 Weak to moderate Veining - fracture fill 45 deg. >>   Narrow fine-grained dark grey dyke?

<<Struc: 225 - 225 Moderate Slickens 20 deg. >>   Pyrite slickens on fracture plane

<<Struc: 226.5 - 226.5 Moderate Veining - fracture fill 20 deg. >>   Calcite-chlorite-pyrite-pyrrhotite vein, 1-2mm wide

<<Struc: 227.4 - 227.6 Moderate Veining - fracture fill 14 deg. >>   Veining, up to 15mm wide, calcite-quartz-pyrite-pyrrhotite-chalcopyrite-chlorite

<<Struc: 228.6 - 229 moderate to strong Veining - fracture fill 10 deg. >>   Calcite-pyrite-chlorite vein, up to 1 cm wide

<<Struc: 240 - 240.6 Moderate Brecciated >>   Vein breccia with calcite matrix and clasts of wall rock, angular coarse-grained to large pebble-sized clasts

<<Struc: 240.4 - 240.8 moderate to strong Veining - fracture fill 25 deg. >>   Fracturing and veining with sericite-albite alteration and pyrite

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251

<<Struc: 240.4 - 244 Moderate Fractured 25 deg. >>

<<Struc: 240.6 - 240.65 Moderate fault>> Fault gouge

<<Struc: 241 - 241.75 Weak to moderate Veining - fracture fill 25 deg. >> Calcite-quartz-chlorite-pyrite veining, up to 1 cm wide, local vein brecciation hosting wall rock

<<Struc: 241.2 - 241.7 Moderate fault>> Broken with minor gouge

<<Struc: 242.42 - 244 moderate to strong Veining - fracture fill 15 deg. >> Strong fracturing and veining with calcite-epidote stringers hosting pyrite

<<Struc: 245.8 - 245.8 Moderate Veining - fracture fill 20 deg. >> Calcite-quartz chlorite-pyrite vein, 2cm

<<Struc: 247 - 247.7 moderate to strong fault>> Faulted and sheared with clay fault gouge

<<Struc: 247.7 - 249.6 Weak to moderate fault>> Broken and blocky

<<Struc: 249.9 - 250 Moderate Veining - fracture fill 50 deg. >> Vein breccia

<<Struc: 252.9 - 253.2 Weak fault>> Blocky and broken locally

<<Struc: 253.7 - 254.6 Moderate Fractured>> Moderate fracturing locally, broken

<<Struc: 255.5 - 256.75 Weak to moderate fault>> Broken and rubbly, minor fault gouge on fractures

<<Struc: 261.3 - 261.6 Moderate Fractured>> Localized moderate fracturing and vein offsets

265.28 267.55 MNDR Monzodiorite grey-green FCG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
265.28	267.55	2.27	S192821	2.1	37	15.39	0.41	0.5

265.28 - 267.55: Competent, locally broken, coarse-grained plagioclase monzodiorite

<<Min: 265.28 - 267.55 0.3% pyrite>> Veinlet hosted pyrite, and common along fractures

<<Min: 265.28 - 267.55 0.1% pyrrhotite>> Veinlet hosted pyrrhotite, trace

<<Alt: 265.28 - 267.55 Moderate Sericite>> Mostly pervasive, and texturally destructive

<<Alt: 265.28 - 267.55 Moderate Quartz>> Silicified

<<Alt: 265.28 - 267.55 Weak Biotite>> Patchy biotite overprinted by sericite alteration

<<Vein: 265.28 - 267.55 0.25% Calcite>> Calcite hairline veinlets cutting monzodiorite

<<Struc: 265.28 - 265.28 Weak to moderate contact 0 deg. >> Wavy, undulating contact locally paralleling core axis. Fuzzy due to alteration, but distinct because of monzodiorite porphyry texture

267.55 279.92 ANTF Andesitic tuff dark grey FG

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
267.55	270.00	2.45	S192822	0.9	128	191.47	1.63	10
270.00	273.00	3.00	S192823	1.2	136	228.18	0.78	4.7
273.00	276.00	3.00	S192824	1.1	114	192.22	0.99	6
276.00	278.00	2.00	S192826	0.6	163	209.32	1.3	4.5
278.00	279.92	1.92	S192827	1.1	187	209.01	2.24	4.7

267.55 - 279.92: Mostly competent dark grey andesite tuff with common calcite+/-quartz veining and trace sulphides

<<Min: 267.55 - 279.92 0.1% pyrite>> Trace pyrite in veinlets

<<Min: 267.55 - 279.92 0.1% pyrrhotite>> Trace pyrrhotite in veinlets

<<Min: 267.55 - 279.92 0.1% chalcopyrite>> Trace chalcopyrite in veinlets, commonly associated with pyrrhotite and albite selvages

<<Alt: 267.55 - 271 Weak to moderate Sericite>> Patchy sericite alteration, locally as selvage

<<Alt: 267.55 - 271 Weak to moderate Albitisation >> Patchy albite, locally as selvage

<<Alt: 267.55 - 289.23 Moderate Quartz>> Pervasive silicification across lithologies

From (m)	To (m)	Rocktype & Description

<<Alt: 271 - 279.92 Weak Albitisation >> Weak albite selvage along fractures and veinlets, patchy

<<Vein: 267.55 - 279.92 2% Calcite>> Calcite+/-quartz veining, stringers and veinlets very common. Trace pyrite, pyrrhotite and chalcopyrite. Local vein breccias and albite selvage

<<Struc: 267.55 - 267.55 Moderate contact>> Broken and indistinct contact between monzodiorite and andesite

<<Struc: 267.55 - 268 Moderate fault>> Broken and blocky with abundant fracturing and weak gouge along fractures

<<Struc: 270.9 - 272.1 Weak to moderate Fractured>> Broken and blocky locally, with common vein breccias

<<Struc: 274 - 277.7 Moderate Veining - fracture fill>> Common vein breccias entraining wall rock with angular fragments, rarely assimilating wall rock. Veining mostly barren calcite-quartz

279.92 289.23 ARGC Calcareous graphitic argillite black VFG

279.92 - 289.23: Mostly competent, locally broken calcareous argillite, with fine-grained silty-sandy interbeds locally with disseminated pyrrhotite. Calcite-pyrite stringers very common

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
279.92	282.50	2.58	S192828	0.3	316	170.75	0.92	1.4
282.50	284.99	2.49	S192829	2.6	329	171.59	1.04	3.3
284.99	287.35	2.36	S192830	10.5	990	184.77	1.21	5.9
287.35	289.23	1.88	S192831	3.7	412	160.6	1.53	2.8

<<Min: 279.97 - 289.23 1% pyrite>> Veinlet and fracture hosted pyrite

<<Min: 286 - 289.15 1% pyrrhotite>> Disseminated pyrrhotite, tending to form in the fine-grained beds over very fine-grained bed

<<Min: 286 - 289.23 0.5% pyrrhotite>> Veinlet hosted pyrrhotite

<<Min: 287.35 - 289.23 0.1% chalcopyrite>> Trace vein hosted chalcopyrite, commonly associated with pyrrhotite

<<Alt: 284.8 - 286.6 Weak to moderate Biotite>> Patchy pervasive weak to moderate biotite (purplish hue) alteration of argillite

<<Alt: 288.3 - 288.7 Moderate Sericite>> Local pervasive sericite

<<Vein: 279.92 - 289.23 2.5% Calcite>> Calcite-pyrite+/-pyrrhotite+/-chalcopyrite stringers very common. Pyrite commonly dominates composition of veinlets

<<Vein: 285 - 289 0.5% Calcite 23 deg. >> Quartz-calcite veinlets locally

<<Struc: 279.92 - 279.92 Weak to moderate contact 60 deg. >> Sharp contact between andesite and graphitic argillite

<<Struc: 280.1 - 280.1 Weak Bedded 40 deg. >> Bedding/S1

<<Struc: 281 - 287.35 Weak to moderate Fractured>> Common fracturing and 'vugginess'/minor voids related to fracturing locally

<<Struc: 281.6 - 281.6 Weak to moderate Bedded 55 deg. >> Bedding/S1

<<Struc: 282.33 - 282.34 Weak fault 40 deg. >> Minor fault gouge paralleling bedding/S1

<<Struc: 283.22 - 284.5 Weak to moderate fault>> Broken and blocky

<<Struc: 284.5 - 284.5 Weak Bedded 55 deg. >> Bedding/S1

<<Struc: 285.3 - 285.3 Weak to moderate Veining - fracture fill 25 deg. >> Quartz/calcite veinlet/vein, up to 8 mm wide

<<Struc: 286 - 286.6 Weak to moderate Veining - fracture fill 24 deg. >> Quartz-calcite-pyrite-pyrrhotite veining, up to 5mm wide, parallels bedding/S1

<<Struc: 288.7 - 288.7 Weak to moderate Veining - fracture fill 20 deg. >> Quartz-calcite-pyrrhotite-pyrite vein, up to 5mm wide

<<Struc: 289.14 - 289.23 Moderate Sheared 40 deg. >> Shear at contact, making contact appear gradational

From (m)	To (m)	Rocktype & Description			
289.23	**306.52**	**MNDR**	**Monzodiorite**	**grey-green**	**FCG**

289.23 - 306.52: Broken to competent coarse-grained plagioclase monzodiorite

<<Min: 289.23 - 306.52 0.1% pyrite>> Veinlet hosted pyrite, locally mm-scale blebs, but mostly disseminated in calcite veining and along fractures

<<Alt: 289.23 - 306.52 Moderate Sericite>> Patchy to locally pervasive sercite overprinting biotite alteration. Commonly forming as selvage along fractures and veinlets

<<Alt: 289.23 - 306.52 Weak to moderate Quartz>> Pervasive silicification, locally patchy

<<Alt: 289.23 - 306.52 Weak Biotite>> Weak biotite overprinted by sericite

<<Vein: 289.23 - 306.95 1% Calcite>> Calcite+/-pyrite stringers and veinlets, fracture fill

<<Struc: 289.23 - 289.23 Moderate contact 40 deg. >> Moderately sheared contact between argillite and monzodiorite

<<Struc: 289.23 - 291.9 Weak to moderate Fractured>> Weak to moderate fracturing

<<Struc: 291.9 - 292.5 moderate to strong Fractured 40 deg. >> Localized moderate to strong fracturing and increased sericite alteration

<<Struc: 293 - 294 Weak to moderate Fractured>> Minor fracturing, locally broken and blocky

<<Struc: 296.6 - 296.8 moderate to strong Fractured 60 deg. >> Localized fracturing

<<Struc: 296.9 - 297.7 Weak to moderate Fractured>> Localized fracturing

<<Struc: 306.32 - 306.95 Weak to moderate fault>> Broken and blocky interval over contact

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
289.23	292.00	2.77	S192832	5.6	63	11.17	0.32	0.7
292.00	294.00	2.00	S192833	9.6	57	4.61	0.1	1.3
294.00	297.00	3.00	S192834	43.5	88	6.04	0.1	0.7
297.00	300.00	3.00	S192835	7.2	152	6.91	2.15	0.8
300.00	303.00	3.00	S192836	4.9	205	7.9	0.92	0.4
303.00	305.00	2.00	S192837	12.7	94	9.19	0.66	0.6
305.00	306.52	1.52	S192838	3.9	113	48.14	1.09	10.5

From (m)	To (m)	Rocktype & Description			
306.52	**306.95**	**LAT**	**Latitic Rocks - undifferentiated**	**grey**	**FG**

306.52 - 306.95: Broken fine-grained unit forming transition between monzodiorite and argillite, thought to be a latite due to presence of k-feldspars (pinkish minerals)

<<Min: 306.52 - 306.95 0.1% pyrite>> Trace disseminated pyrite

<<Alt: 306.52 - 306.95 Moderate Albitisation >> Pervasive albite alteration

<<Struc: 306.52 - 306.52 Moderate contact>> Broken and indistinct contact.

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
306.52	306.95	0.43	S192839	2.5	182	128.75	1.65	40.7

From (m)	To (m)	Rocktype & Description			
306.95	**314.90**	**ANDS**	**Andesite**	**dark grey**	**VFG**

306.95 - 314.9: Broken to competent very fine-grained undifferentiated andesite with local crystal tuff

<<Min: 306.95 - 309.18 0.5% pyrite>> Common pyrite hosted in veinlets and locally finely disseminated

<<Min: 309.5 - 314.9 0.3% pyrite>> Veinlet hosted pyrite and locally disseminated and along fractures

<<Alt: 306.95 - 309.18 Weak Sericite>> Weak sercite in fractures and along margins of veinlets

<<Alt: 306.95 - 309.18 Moderate Quartz>> Pervasive silicification

<<Alt: 309.5 - 310.8 moderate to strong Albitisation >> Moderate to strong albite, pervasive but localized

<<Alt: 309.5 - 320.25 Moderate Quartz>> Pervasive silicification

<<Alt: 310.8 - 313.5 Weak to moderate Sericite>> Pervasive sericite, giving greenish hue to core

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
306.95	309.18	2.23	S192841	2.1	186	157	1.82	22.8
309.18	313.25	4.07	S192842	92.3	178	159.14	6.47	15.3
313.25	314.90	1.65	S192843	2.9	129	163.37	3.55	20

From (m)	To (m)	Rocktype & Description

<<Alt: 310.8 - 313.5 Moderate Chlorite >> Common moderate chlorite along fractures

<<Vein: 306.95 - 307.65 2% Calcite>> Calcite+/-pyrite stringers and fracture fill

<<Vein: 307.65 - 309.18 0.5% Calcite>> Minor calcite+/-pyrite stringers and veinlets

<<Vein: 309.5 - 314.9 0.5% Calcite>> Calcite+/-pyrite stringers and veinlets somewhat common

<<Struc: 306.95 - 306.95 Moderate contact 36 deg. >> Contact between presumed latite and argillite

<<Struc: 306.95 - 307.65 Moderate Fractured>> Moderate fracturing infilled with calcite-pyrite stringers

<<Struc: 307.3 - 307.4 moderate to strong Veining - fracture fill 25 deg. >> Vein breccia, ~3 cm wide

<<Struc: 307.55 - 307.65 Moderate Sheared 45 deg. >> Localized shearing above faulting

<<Struc: 307.65 - 308.3 Moderate fault>> Broken and rubbly

<<Struc: 309.18 - 309.5 moderate to strong fault>> Clay-fault gouge, competent, weak brecciation with fine to coarse sand-sized clasts entrained

<<Struc: 309.5 - 311.5 Moderate fault>> Broken, rubbly and fractured, local gouge on fracture surfaces

314.90 394.72 APFW Pyroxene Andesite Porphyry Flow grey-green FMG

314.9 - 394.72: Mostly competent andesite pyroxene porphyry flow, with characteristic 'snowflake' plagioclase phenocrysts.

<<Min: 314.9 - 394.72 0.1% pyrite>> Finely disseminated and less commonly hosted in calcite veinlets

<<Min: 331.8 - 332.1 0.1% Hematite>> Local hematite along fractures, continuous along one fracture over interval

<<Min: 351.8 - 354.1 0.1% Hematite>> Local trace hematite along fractures

<<Min: 368.3 - 368.4 0.1% Hematite>> Fracture and veinlet hematite

<<Min: 378 - 378 0.5% magnetite>> Local blebs of magnetite associated with calcite-epidote-chlorite veining

<<Min: 386.5 - 386.5 0.3% magnetite>> Local blebs of magnetite associated with calcite-epidote-chlorite veining

<<Alt: 314.9 - 394.12 Weak to moderate Calcite>> Weak to moderate response to acid

<<Alt: 316.4 - 319.2 Moderate Albitisation >> Patchy albite, locally pervasive to selvage along veining. Texturally destructive locally

<<Alt: 319.2 - 323 Weak to moderate Sericite>> Pervasive sericite altering groundmass

<<Alt: 321.44 - 326 Weak Chlorite >> Weak fracture-related chlorite and alteration of pyroxenes

<<Alt: 322 - 366 Moderate Epidote-Chlorite>> Vein-related epidote and also altering rims of mafic phenocrysts

<<Alt: 323 - 364.25 Weak to moderate Sericite>> Patchy pervasive sericite locally altering groundmass

<<Alt: 326 - 363 Weak to moderate Chlorite >> Fracture-related chlorite and altering pyroxenes

<<Alt: 363 - 374 Weak Chlorite >> Altering of pyroxenes, hosted in veins and less commonly related to fractures

<<Alt: 364.24 - 365.25 Moderate Albitisation >> Locally pervasive albite alteration

<<Alt: 365.25 - 394.72 Weak to moderate Sericite>> Altering groundmass

<<Alt: 369 - 387 moderate to strong Epidote-Chlorite>> Vein-hosted epidote common, along with patches of epidote altering groundmass and rims of mafic phenocrysts

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
314.90	316.40	1.50	S192844	1.8	146	148.71	1.17	23.6
316.40	318.42	2.02	S192846	2.2	113	138.31	0.75	17.6
318.42	320.25	1.83	S192847	0.2	106	143.85	0.75	11.3
320.25	322.00	1.75	S192848	2.2	97	175.72	1.24	6.2
322.00	325.00	3.00	S192849	1.6	106	159.61	0.52	1.2
325.00	328.00	3.00	S192851	1	98	161.62	0.4	1.2
328.00	331.00	3.00	S192852	2.5	90	181.87	1.65	0.8
331.00	334.00	3.00	S192853	5.1	86	165.07	0.98	0.8
334.00	337.00	3.00	S192854	2.6	90	166.91	0.68	0.5
337.00	340.00	3.00	S192855	1.8	74	163.61	0.69	0.6
340.00	342.00	2.00	S192856	1.4	81	161.87	0.95	6.8
342.00	344.00	2.00	S192857	4.8	102	160.03	1.02	1.1
344.00	347.00	3.00	S192858	3.8	100	156.89	0.8	1.3
347.00	350.00	3.00	S192859	4.3	93	174.94	0.37	1.2
350.00	353.00	3.00	S192860	4.6	92	164.79	0.68	0.8
353.00	356.00	3.00	S192861	3.9	88	166.56	0.3	1
356.00	359.00	3.00	S192862	3.1	89	163.67	0.37	0.6
359.00	363.00	4.00	S192863	2.5	95	172.28	0.34	1.1

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
363.00	365.25	2.25	S192864	1.3	90	152.4	0.79	6.9
365.25	368.00	2.75	S192866	2	88	168.77	0.63	3.6
368.00	371.00	3.00	S192867	2.7	88	178.33	0.9	1.5
371.00	374.00	3.00	S192868	3.2	97	176.48	0.49	0.9
374.00	377.00	3.00	S192869	1.8	191	359.24	0.3	6.3
377.00	380.00	3.00	S192870	1	68	123.78	0.52	0.7
380.00	383.00	3.00	S192871	0.8	83	168.28	0.52	0.5
383.00	385.40	2.40	S192872	0.7	60	117.73	0.36	1
385.40	386.60	1.20	S192873	0.5	54	123.53	0.52	0.9
386.60	389.00	2.40	S192874	1.4	94	188.31	0.58	0.5
389.00	392.00	3.00	S192875	1.3	86	173.94	0.73	0.7
392.00	394.72	2.72	S192876	2.6	87	180.19	0.65	0.9
394.72	396.27	1.55	S192877	0.6	26	23.31	2.75	0.9

From (m) To (m) Rocktype & Description

<<Alt: 374 - 378 Moderate Chlorite >> Local increase in chlorite intensity

<<Alt: 375.12 - 375.26 Moderate Albitisation >> Local albite alteration of fine grained andesite

<<Alt: 385 - 394.72 Moderate Quartz>> Moderately silicified

<<Vein: 314.9 - 322 2% Calcite>> Calcite stringers and local vein breccia common

<<Vein: 322 - 394.72 2% Calcite>> Calcite+/-epidote+/-chlorite stringers common, rarely hosting pyrite. Calcite locally pinkish in colour

<<Vein: 371 - 394.72 1% Calcite>> Calcite-epidote-chlorite+/-magnetite veining, vein breccias and blowouts common and up to several 10's of cm in width, locally vuggy calcite

<<Struc: 314.9 - 314.9 Weak to moderate contact>> Somewhat sharp contact between andesite and andesite pyroxene flow

<<Struc: 316.2 - 317.8 Moderate Veining - fracture fill 0 deg. >> Calcite vein, up to 1.5 cm wide paralleling core axis with weak albite selvage locally. Weak gouge along fracture plane with host andesite

<<Struc: 321.95 - 321.95 Weak to moderate Veining - fracture fill 30 deg. >> Calcite+/-epidote veinlet, 1 cm wide

<<Struc: 328.7 - 331 Weak Fractured>> Broken and blocky

<<Struc: 338 - 339 Weak to moderate Fractured 26 deg. >> Low angle fracturing and veining

<<Struc: 341 - 341 Moderate Veining - fracture fill 15 deg. >> Calcite vein, 3 cm wide,

<<Struc: 346.4 - 346.4 Weak to moderate Veining - fracture fill 25 deg. >> Calcite-epidote-chlorite-pyrite vein, 5mm

<<Struc: 346.5 - 346.9 Moderate Veining - fracture fill 0 deg. >> Calcite-epidote veining parallel to core axis, calcite partially pink

<<Struc: 351.2 - 351.7 Weak to moderate Fractured>> Localized fracturing

<<Struc: 355 - 355.7 Weak to moderate Fractured>> Broken to blocky and weakly to moderately fractured

<<Struc: 364.24 - 365.25 Moderate Sheared 20 deg. >> Shearing/faulting with local gouge.

<<Struc: 369.4 - 369.7 Weak to moderate fault>> Locally broken and blocky with minor fault gouge

<<Struc: 370.8 - 371 Moderate Veining - fracture fill 65 deg. >> Calcite epidote stringers and veinlets

<<Struc: 377 - 377 Weak to moderate Veining - fracture fill 55 deg. >> Calcite vein, 5 mm wide

<<Struc: 377.9 - 377.9 Weak to moderate Veining - fracture fill 55 deg. >> Calcite vein, 5 mm wide

<<Struc: 378 - 378.25 moderate to strong Veining - fracture fill>> Calcite-epidote-chlorite-magnetite veining and local blowout of primarily calcite-epidote

<<Struc: 381.5 - 381.5 Weak to moderate Veining - fracture fill 64 deg. >> Calcite-epidote vein, 5 mm wide

<<Struc: 386.3 - 386.6 moderate to strong Veining - fracture fill 30 deg. >> Vein zone with mottled calcite-epidote-chlorite-magnetite

394.72 396.27 ANLT Andesite lapilli tuff grey-green FG

394.72 - 396.27: Broken andesite lapilli tuff, fine grained with speckled appearance

<<Min: 394.72 - 396.27 0.1% pyrite>> Trace pyrite associated with veinlets and fractures, locally coarse disseminated cubes

<<Alt: 394.72 - 396.27 Moderate Quartz>> Pervasive silicification

From (m)	To (m)	Rocktype & Description

<<Alt: 394.72 - 396.27 Weak to moderate Epidote-Chlorite>> Altering lapillis, less common in veining

<<Vein: 394.72 - 396.27 0.5% Calcite>> Minor calcite-epidote stringers

<<Struc: 394.72 - 394.72 Moderate contact 58 deg. >> Sharp, but broken, contact

396.27 407.68 APFW Pyroxene Andesite Porphyry Flow grey-green FMG

396.27 - 407.68: Mostly competent andesite pyroxene flow with snowflake plagioclase phenocrysts

<<Min: 396.27 - 407.68 0.1% pyrite>> Trace disseminated pyrite in groundmass and in veining

<<Alt: 396.27 - 398.5 Weak to moderate Albitisation >> Locally pervasive albite altering groundmass

<<Alt: 396.27 - 407.68 Weak to moderate Sericite>> Weak to moderate pervasive sericite alteration of groundmass

<<Alt: 396.27 - 407.68 Weak to moderate Epidote-Chlorite>> Veinlet related epidote

<<Alt: 396.27 - 407.68 Weak Chlorite >> Altering of pyroxenes and lesser along fractures and veinlets

<<Alt: 396.27 - 407.68 Weak to moderate Calcite>> Weak to moderate response to acid

<<Alt: 400 - 407.68 Moderate Quartz>> Pervasive silicification

<<Alt: 400.5 - 401.1 moderate to strong Epidote-Chlorite>> Patchy epidote, locally pervasive, alteration of groundmass

<<Alt: 401.41 - 401.87 moderate to strong Albitisation >> Locally strong albite in broken and rubbly fault

<<Vein: 396.27 - 407.68 1% Calcite>> Calcite-epidote+-chlorite veinlets and stringers common, trace pyrite

<<Struc: 396.27 - 396.27 Moderate contact 30 deg. >> Sharp, but undulating contact

<<Struc: 396.5 - 396.5 Weak to moderate Veining - fracture fill 35 deg. >> Calcite-epidote vein, 5 mm

<<Struc: 399 - 402.3 Moderate Veining - fracture fill>> Vein breccias with calcite altered matrix

<<Struc: 401.41 - 401.87 Moderate fault>> Broken and blocky with minor fault gouge

<<Struc: 404.8 - 404.8 Weak to moderate Veining - fracture fill 80 deg. >> Calcite veining, 2.5 cm wide

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
396.27	399.00	2.73	S192878	1.7	101	175.35	0.41	0.8
399.00	402.00	3.00	S192879	0.6	121	185.89	1.34	3.3
402.00	405.00	3.00	S192881	1.6	101	169.85	0.54	0.7
405.00	407.68	2.68	S192882	1.6	110	185.71	1.4	0.9

407.68 418.41 MNDR Monzodiorite dark grey FCG

407.68 - 418.41: Competent silicified plagioclase monzonite porphyry. Appears to have a weak to moderate foliation fabric to the phenocrysts

<<Min: 407.68 - 418.41 0.1% pyrite>> Trace finely disseminated pyrite

<<Alt: 407.68 - 418.41 Moderate Sericite>> Common sericite selvage of calcite veinlets and also altering plagioclase phenocrysts.

<<Alt: 407.68 - 418.41 moderate to strong Quartz>> Moderate to strongly silicified

<<Alt: 407.68 - 418.41 Weak Biotite>> Original weak biotite alteration overprinted by sericite selvage

<<Vein: 407.68 - 418.41 0.5% Calcite>> Calcite stringers and veinlets, somewhat common, with sericite selvage up to 1 cm wide

<<Struc: 407.68 - 407.68 Moderate contact 75 deg. >> Sharp contact between andesite and monzodiorite

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
407.68	410.00	2.32	S192883	1.2	34	5.34	0.15	-0.1
410.00	413.00	3.00	S192884	0.5	18	3.39	0.31	-0.1
413.00	416.00	3.00	S192886	1.1	26	5.22	0.12	-0.1
416.00	418.41	2.41	S192887	-0.2	34	9.7	0.71	0.4

From (m)	To (m)	Rocktype & Description
418.41	**495.17**	**APFW Pyroxene Andesite Porphyry Flow grey-green FMG**

418.41 - 495.17: Mostly competent andesite pyroxene porphyry flow, with minor intervals of undifferentiated andesite

<<Min: 418.41 - 495.17 0.2% pyrite>> Finely disseminated to veinlet-hosted pyrite

<<Alt: 418.41 - 452.5 Moderate Quartz>> Pervasive silicification

<<Alt: 418.41 - 481.46 Weak Chlorite >> Alteration of pyroxene phenocrysts

<<Alt: 418.41 - 481.46 Weak to moderate Sericite>> Weak to moderate sericite alteration, pervasive, less commonly as veinlet selvage

<<Alt: 418.41 - 495.17 Weak to moderate Calcite>> Altering groundmass and plagioclase phenocrysts

<<Alt: 430.12 - 430.73 Weak to moderate Epidote-Chlorite>> Weak to moderate alteration of rounded phenocrysts/lapillis and locally veinlet selvage

<<Alt: 430.27 - 430.27 Moderate Albitisation >> Narrow 1 cm band of albite alteration

<<Alt: 436.5 - 452 Weak to moderate Epidote-Chlorite>> Veinlet related epidote, patchy

<<Alt: 452.5 - 452.63 moderate to strong Epidote-Chlorite>> Local shear zone with moderate to strong epidote

<<Alt: 452.63 - 467 Weak to moderate Epidote-Chlorite>> Weak to moderate epidote related to veinlets

<<Alt: 452.63 - 495.17 Moderate Quartz>> Pervasive silicification

<<Alt: 477.32 - 477.4 moderate to strong Albitisation >> Locally pervasive albite, appearing as selvage to narrow calcite veinlet

<<Alt: 479.75 - 481.46 Weak to moderate Epidote-Chlorite>> Veinlet related epidote

<<Alt: 481.46 - 482.11 Moderate Albitisation >> Locally pervasive albite alteration, likely related to veining and faulting

<<Alt: 482 - 482.11 Weak Biotite>> Patchy biotite alteration of andesite below fault

<<Alt: 482.11 - 486 Weak Epidote-Chlorite>> Weak epidote related to veining

<<Alt: 482.11 - 495.17 Weak to moderate Sericite>> Weak to moderate sericite alteration of groundmass

<<Vein: 418.41 - 467 1% Calcite>> Calcite+/-epidote veining and local vein breccia +/-sericite selvage.

<<Vein: 418.41 - 495.17 0.5% Calcite>> Calcite+/-epidote+/-chlorite stringers somewhat common, locally with selvage

<<Struc: 418.41 - 418.41 Moderate contact 30 deg. >> Undulating sharp contact between monzodiorite and andesite. Weakly shear fabric parallel to contact

<<Struc: 418.41 - 418.6 Weak to moderate Sheared 30 deg. >> Shear fabric in andesite below contact with monzodiorite

<<Struc: 425.3 - 425.3 Weak to moderate Veining - fracture fill 40 deg. >> Calcite vein, 5 mm wide

<<Struc: 425.9 - 425.9 Weak to moderate Veining - fracture fill 50 deg. >> Calcite-chlorite vein, 4 mm wide

<<Struc: 430.12 - 430.12 Weak to moderate contact 70 deg. >> Sharp contact between andesite units

<<Struc: 430.73 - 430.73 Weak to moderate contact 80 deg. >> Partly undulating contact between andesite units

<<Struc: 431.3 - 432.7 Weak to moderate Brecciated >> Local vein breccias, calcite+/-chlorite matrix

<<Struc: 439.5 - 439.5 Moderate Veining - fracture fill 30 deg. >> Calcite-epidote vein breccia, 1 cm wide

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
418.41	421.00	2.59	S192888	1.3	169	162.27	2.63	0.8
421.00	424.00	3.00	S192889	2.8	100	177.41	0.97	0.6
424.00	426.00	2.00	S192891	25.4	88	189.62	0.73	0.7
426.00	428.00	2.00	S192892	2.4	85	170.5	1.04	0.6
428.00	430.12	2.12	S192893	1.5	109	176.9	0.91	0.6
430.12	430.73	0.61	S192894	1.3	95	148.79	1.77	1.5
430.73	433.00	2.27	S192895	0.5	91	178.89	0.51	0.4
433.00	436.00	3.00	S192896	1.2	93	162.74	0.56	0.5
436.00	438.00	2.00	S192897	1.5	81	165.57	0.45	0.9
438.00	440.00	2.00	S192898	1.4	89	158.93	0.44	0.8
440.00	443.00	3.00	S192899	0.4	89	169.62	0.64	1
443.00	446.00	3.00	S192900	1.7	112	204.27	0.79	1.5
446.00	449.00	3.00	S192901	0.3	91	185.99	0.53	0.7
449.00	452.00	3.00	S192902	1	85	179.93	0.9	0.6
452.00	452.63	0.63	S192903	0.2	89	161.26	0.38	1.2
452.63	455.00	2.37	S192904	1.4	91	166.41	0.65	0.6
455.00	457.00	2.00	S192906	1	81	170.36	0.67	0.5
457.00	459.60	2.60	S192907	0.7	92	176.55	0.8	0.4
459.60	461.50	1.90	S192908	2.8	102	180.7	0.72	1.9
461.50	463.00	1.50	S192909	1.4	89	174.05	1.55	1.9
463.00	466.00	3.00	S192910	0.9	90	171.67	0.98	0.4
466.00	467.00	1.00	S192911	2.4	81	157.36	1.06	0.7
467.00	470.00	3.00	S192912	1.5	87	172.73	1.05	0.4
470.00	473.00	3.00	S192913	1.1	79	177.73	0.81	0.3
473.00	475.50	2.50	S192914	1.2	95	172.08	1.01	0.3
475.50	478.00	2.50	S192915	2.7	93	171.73	0.92	1.1
478.00	479.75	1.75	S192916	3.2	107	174.5	0.53	0.4
479.75	481.46	1.71	S192917	1.6	95	169.2	0.43	1.2

From (m) To (m) Rocktype & Description

<<Struc: 440 - 442 Moderate Brecciated >> Common vein breccias

<<Struc: 444 - 447 Moderate Brecciated >> Vein breccias common with calcite-epidote, mostly wall rock clasts but locally silicified fine-grained andesite entrained (445.5 m)

<<Struc: 448.5 - 448.5 Moderate Fractured 25 deg. >> Pyrite-sericite-chlorite fracture fill with bleached white selvage up to 1cm wide

<<Struc: 452 - 452.5 moderate to strong Veining - fracture fill 30 deg. >> Calcite-epidote-pyrite veining

<<Struc: 452.5 - 452.63 Moderate Sheared 30 deg. >> Minor shear zone with moderate to strong epidote alteration

<<Struc: 452.63 - 452.8 Moderate Fractured>> Moderate fracturing infilled with epidote

<<Struc: 456 - 456 Moderate Veining - fracture fill 35 deg. >> Epidote vein, 2 cm wide, with calcite on margins and minor pinkish-purple mineral (fluorite?)

<<Struc: 460 - 461 Moderate Veining - fracture fill 15 deg. >> Low angle calcite-epidote-fluorite(pinkish-purple)-chlorite-pyrite veining locally, up to 2 cm wide

<<Struc: 466 - 467 Moderate Veining - fracture fill 30 deg. >> Epidote-calcite veining to vein breccia, up to 15 mm wide

<<Struc: 474.7 - 474.7 Weak to moderate Veining - fracture fill 19 deg. >> Calcite-actinolite-chlorite vein, 15 mm wide. Actinolite in-filling centre of vein

<<Struc: 477.35 - 477.35 moderate to strong Veining - fracture fill 31 deg. >> Narrow <1mm calcite veinlet with strong albite selvage and locally broken below vein

<<Struc: 479.75 - 480.3 Moderate Veining - fracture fill 22 deg. >> Epidote-calcite veinlets

<<Struc: 481.6 - 481.65 Moderate Veining - fracture fill 35 deg. >> Quartz-calcite-pyrite vein, 4 cm wide, above fault

<<Struc: 481.65 - 481.98 moderate to strong fault 35 deg. >> Fault gouge and broken

<<Struc: 490 - 490 Weak to moderate Veining - fracture fill 53 deg. >> Albite altered vein, 1.5 cm wide

<<Struc: 493.8 - 495.17 Moderate Brecciated >> Vein breccia with calcite cementing wall rock clasts

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
481.46	482.11	0.65	S192918	1.1	176	175.74	0.66	22.6
482.11	485.00	2.89	S192919	1	88	168.95	0.75	0.1
485.00	488.00	3.00	S192921	2.1	89	175.47	1	0.1
488.00	491.00	3.00	S192922	1.8	96	169.18	0.86	3
491.00	493.80	2.80	S192923	-0.2	93	178.89	0.75	2.7
493.80	495.17	1.37	S192924	1.2	201	159.96	1.26	9.7

495.17 496.40 ANTF Andesitic tuff grey FG

495.17 - 496.4: Broken andesite tuff, with fine semi-bladed plagioclase crystals

<<Min: 495.17 - 499.55 0.1% pyrite>> Trace disseminated and locally hosted in veins and veinlets

<<Alt: 495.17 - 496.4 Weak Sericite>> Weak pervasive sericite

<<Alt: 495.17 - 509.91 Weak to moderate Quartz>> Weak to moderate silicification

<<Vein: 495.17 - 496.4 1% Calcite>> Common calcite stringers and veinlets, fracture controlled locally

<<Struc: 495.17 - 495.17 Weak to moderate contact 40 deg. >> Broken contact, but appears to be sharp

<<Struc: 495.9 - 495.9 Weak to moderate Veining - fracture fill 40 deg. >> Calcite vein, 5mm wide

<<Struc: 495.95 - 496.8 Moderate fault>> Broken and blocky

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
495.17	496.40	1.23	S192926	114.4	222	181.62	2.7	3.5

496.40 499.55 ANDS Andesite dark grey VFG

496.4 - 499.55: Mostly competent undifferentiated andesite, common calcite-filled amygdaloids

<<Alt: 496.4 - 499.55 Weak to moderate Sericite>> Sericite selvage along fractures and veinlets

<<Vein: 496.4 - 499.55 0.5% Calcite>> Calcite veinlets somewhat common

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
496.40	498.00	1.60	S192927	13.7	35	20.32	2.67	1.9
498.00	499.55	1.55	S192928	3.8	37	26.23	2.94	2.5

From (m)	To (m)	Rocktype & Description

<<Struc: 496.4 - 496.4 Moderate contact 35 deg. >> Broken contact but sharp and well represented

<<Struc: 499.4 - 499.4 Weak to moderate Veining - fracture fill 65 deg. >> Common orientation of veining and cross-cutting orientation of contact below

499.55 509.91 ANTF Andesitic tuff grey FMG

499.55 - 509.91: Broken to competent andesite tuff, with fine semi-bladed plagioclase crystals

<<Min: 499.55 - 509.91 0.1% pyrite>> Veinlet and vein hosted pyrite, lesser disseminated pyrite

<<Alt: 499.55 - 509.91 Weak to moderate Sericite>> Weak to moderate pervasive sericite alteration, locally more intense as fracture and veinlet halos

<<Alt: 505 - 509.91 Weak Epidote-Chlorite>> Weak epidote related to veining and fractures

<<Vein: 499.55 - 509.91 1% Calcite>> Calcite+/-epidote+/-pyrite+/-sericite veinlets and stringers

<<Struc: 499.55 - 499.55 Weak to moderate contact 35 deg. >> Sharp contact

<<Struc: 501.55 - 501.55 Weak to moderate Veining - fracture fill 30 deg. >> Calcite vein, 4 mm wide

<<Struc: 501.65 - 504 Moderate Fractured 20 deg. >> Broken and blocky core over interval. Fractures infilled by calcite-pyrite. Local calcite veining near top of interval

<<Struc: 506.3 - 506.3 Weak to moderate Veining - fracture fill 30 deg. >> Common orientation of veinlets

509.91 529.00 MNDR Monzodiorite dark grey FCG

509.91 - 529: Mostly competent, locally broken, coarse-grained plagioclase monzodiorite porphyry

<<Min: 509.91 - 516.73 0.3% pyrite>> Veinlet hosted pyrite, lesser disseminated

<<Min: 516.73 - 517.82 0.3% pyrite>> Finely disseminated pyrite

<<Min: 516.73 - 517.82 0.1% arsenopyrite>> Finely disseminated arsenopyrite, silvery colour and weakly oxidized along outer rims

<<Min: 517.82 - 529 0.1% pyrite>> Trace disseminated and veinlet/fracture-fill pyrite

<<Min: 518.3 - 519 0.1% arsenopyrite>> Trace disseminated arsenopyrite related to albite alteration

<<Alt: 509.91 - 516.73 Weak to moderate Sericite>> Weak to moderate sericite alteration, typically as selvage/haloes along fractures and veinlets

<<Alt: 509.91 - 516.73 Moderate Quartz>> Pervasive silicification

<<Alt: 509.91 - 516.73 Weak Biotite>> Weak biotite alteration of groundmass, overprinted by sericite veinlet halos

<<Alt: 511.7 - 511.9 moderate to strong Albitisation >> Local moderate to strong albite proximal to calcite veining

<<Alt: 516.73 - 517.82 Moderate Sericite>> Patchy sericite alteration of groundmass, with biotite alteration

<<Alt: 516.73 - 517.82 Weak to moderate Biotite>> Patchy weak to moderate biotite alteration

<<Alt: 516.73 - 517.82 moderate to strong Albitisation >> Patchy pervasive albite alteration, bleaching foliated andesite, arsenopyrite associated with alteration

<<Alt: 517.82 - 529 Moderate Sericite>> Moderate sericite alteration surrounding veinlets and fractures.

<<Alt: 517.82 - 533.3 Moderate Quartz>> Pervasive silicification

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
499.55	502.00	2.45	S192929	10.9	189	188.5	2	2.6
502.00	504.44	2.44	S192931	8.3	166	174.54	2.09	1.6
504.44	507.00	2.56	S192932	8.2	156	182.81	2.44	1.4
507.00	509.91	2.91	S192933	6.8	124	176.54	2.42	2.4
509.91	512.00	2.09	S192934	11.2	105	9.18	1.91	1.9
512.00	514.00	2.00	S192935	6.1	54	26.01	0.23	1.3
514.00	516.73	2.73	S192936	2.1	28	13.83	0.4	3
516.73	517.82	1.09	S192937	-0.2	65	95.92	1.79	65
517.82	519.05	1.23	S192938	-0.2	26	23.02	0.47	41.1
519.05	522.00	2.95	S192939	-0.2	19	6.34	0.43	1.1
522.00	525.00	3.00	S192940	-0.2	25	5.46	0.14	4.2
525.00	527.00	2.00	S192941	0.8	31	15.39	0.47	1
527.00	529.00	2.00	S192942	0.8	86	90.77	6.96	2

From (m)	To (m)	Rocktype & Description

<<Alt: 518.3 - 519.05 moderate to strong Albitisation >> Locally strong albite alteration along fractures with localized arsenopyrite and pyrite disseminated

<<Alt: 525 - 527 Weak Potassium feldspar>> Weak potassium feldspar alteration of plagioclase phenocrysts to light pink along fracture paralleling core axis

<<Alt: 527 - 528.35 Moderate Sericite>> Local pervasive sericite alteration

<<Vein: 509.91 - 516.73 0.5% Chlorite>> Chlorite-sericite-calcite-pyrite fracture-fill-hairline veinlets to stringers somewhat common

<<Vein: 509.91 - 516.73 0.5% Calcite>> Calcite stringers and veinlets, commonly with sericite haloes

<<Vein: 516.73 - 517.82 0.5% Calcite>> Calcite stringers and veining somewhat common

<<Vein: 517.82 - 529 0.5% Calcite>> Calcite stringers and veinlets somewhat common, typically fracture-filling

<<Struc: 509.91 - 509.91 Moderate contact 40 deg. >> Relatively sharp contact, though broken

<<Struc: 511.7 - 511.9 Moderate Veining - fracture fill 40 deg. >> Calcite veining locally with strong albite and silicification

<<Struc: 513.71 - 514 Weak to moderate fault 30 deg. >> Broken and blocky with minor gouge

<<Struc: 516.73 - 516.73 Moderate contact 55 deg. >> Gradational contact between monzodiorite and andesite

<<Struc: 517.1 - 517.1 Moderate Bedded 50 deg. >> Bedding/S1

<<Struc: 517.4 - 517.4 Moderate Bedded 65 deg. >> Bedding/S1

<<Struc: 517.82 - 517.82 Moderate contact 15 deg. >> Low angle contact between andesite and monzodiorite

<<Struc: 518.3 - 519 moderate to strong Fractured 50 deg. >> Varying orientation of fracturing from 30, 50 and 70 degrees TCA dominating

<<Struc: 526 - 527 Weak Sheared 40 deg. >> Weak foliation to monzodiorite

<<Struc: 527.7 - 528.35 Moderate fault>> Broken and rubbly

529.00 546.35 APFW Pyroxene Andesite Porphyry Flow dark grey FMG

529 - 546.35: Broken and locally competent andesite pyroxene flow with variable alteration flooding episodes exhibited

<<Min: 529 - 533.3 0.1% pyrite>> Trace disseminated pyrite

<<Min: 533.3 - 533.75 0.5% pyrite>> Fine disseminated pyrite related to foliation and albite alteration

<<Min: 533.3 - 533.75 0.1% arsenopyrite>> Fine disseminated arsenopyrite related to foliation and albite alteration

<<Min: 533.75 - 546.35 1% pyrite>> Veinlet and fracture-filling pyrite, lesser disseminated pyrite

<<Min: 536 - 544 0.1% chalcopyrite>> Trace chalcopyrite in groundmass and in veinlets

<<Min: 538 - 546.35 0.5% pyrrhotite>> Pyrrhotite disseminated, particularly within sericite altered phenocrysts

<<Alt: 529 - 533.3 Weak to moderate Sericite>> Weak to moderate semi-pervasive to patchy sericite alteration of groundmass and locally phenocrysts instead of groundmass

<<Alt: 529 - 533.3 Weak Chlorite >> Weak chlorite alteration of pyroxenes and lesser as fracture-fill

<<Alt: 529 - 547.12 Moderate Albitisation >> Weak to moderate albite patchily altering groundmass, along fractures and locally pervasive

From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
529.00	530.75	1.75	S192943	3	86	101.63	3.1	1.4
530.75	532.00	1.25	S192944	0.6	81	108.69	6.64	3.4
532.00	533.30	1.30	S192946	0.7	83	124.41	9.41	3.1
533.30	533.75	0.45	S192947	-0.2	39	29.82	3.88	91.1
533.75	534.92	1.17	S192948	-0.2	88	106.76	1.6	40.5
534.92	536.83	1.91	S192949	-0.2	126	176.53	11.63	1.2
536.83	538.00	1.17	S192950	1.7	374	542.17	0.82	1.1
538.00	540.00	2.00	S192951	-0.2	179	220.17	0.4	0.7
540.00	542.00	2.00	S192952	-0.2	211	316.08	3.02	1.3
542.00	544.07	2.07	S192953	-0.2	150	234.01	0.58	1.1

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
		<<Alt: 533.3 - 533.75 moderate to strong Albitisation >> Locally pervasive albite related to fracturing and foliation	544.07	546.35	2.28	S192954	-0.2	176	298.62	1.67	0.9

<<Alt: 533.3 - 547.12 Moderate Quartz>> Patchy silicification due to fracturing and blocky/faulted nature of the rock

<<Alt: 533.75 - 546.35 moderate to strong Sericite>> Patchy sericite alteration locally altering groundmass, phenocrysts and as vein haloes, overprinting biotite alteration

<<Alt: 533.75 - 547.12 Weak to moderate Biotite>> Weak to moderate biotite alteration, original and overprinted by albite+/-sericite

<<Alt: 537.5 - 538 moderate to strong Albitisation >> Patchy moderate to strong albite

<<Alt: 538.5 - 546.35 Weak to moderate Chlorite >> Fracture-related chlorite

<<Alt: 545 - 546.35 moderate to strong Albitisation >> Local moderate to strong pervasive albite

<<Vein: 529 - 533.3 0.5% Calcite>> Calcite stringers somewhat common

<<Vein: 533.3 - 533.75 0.25% Calcite>> Minor calcite stringers

<<Vein: 533.75 - 539 1% Calcite>> Calcite stringers and veining common, locally up to 5 mm, minor pyrite hosted

<<Vein: 539 - 546.35 0.5% Calcite>> Calcite-pyrite veinlets with sericite haloes

<<Struc: 529 - 529 Moderate contact 10 deg. >> Undulating and wavy contact between monzodiorite and andesite at low angle TCA

<<Struc: 529 - 533.3 Moderate Fractured>> Moderately fractured with albite-sericite in-fill

<<Struc: 533.3 - 533.75 moderate to strong Fractured 37 deg. >> Localized fracturing and foliation

<<Struc: 533.3 - 533.75 Moderate Bedded 37 deg. >> Foliation in andesite with veining and fracturing paralleling the foliation/S1

<<Struc: 534 - 535.1 Moderate fault>> Broken and blocky

<<Struc: 535.1 - 536.5 Moderate Fractured>> Local fracturing

<<Struc: 538 - 547.12 Weak to moderate fault>> Broken and blocky

<<Struc: 546.3 - 546.35 Moderate fault>> Local fault gouge

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au PPB AQ251	Ag PPB AQ251	Cu PPM AQ251	Mo PPM AQ251	As PPM AQ251
546.35	**547.12**	**MNDR Monzodiorite dark grey FCG**	546.35	547.12	0.77	S192955	-0.2	47	29.49	0.46	0.5

546.35 - 547.12: Broken to competent coarse-grained plagioclase monzodiorite porphyry

<<Min: 546.35 - 547.12 0.3% pyrite>> Disseminated and veinlet hosted pyrite

<<Alt: 546.35 - 547.12 Moderate Sericite>> Moderate sericite along veining and fractures

<<Struc: 546.35 - 547.12 Weak to moderate Fractured>> Weak to moderate fracturing in monzodiorite

End of Hole @ 547.12

Appendix D: Drill Core Analysis Certificates

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Equity Exploration Consultants Ltd.**
#1510 - 250 Howe St.
Vancouver BC V6C 3R8 CANADA

Submitted By:	Thomas Branson
Receiving Lab:	Canada-Smithers
Received:	October 26, 2015
Report Date:	November 17, 2015
Page:	1 of 7

CERTIFICATE OF ANALYSIS SMI15000093.1

CLIENT JOB INFORMATION

Project:	TRX15-01
Shipment ID:	TRX15-01_1
P.O. Number	TRX15-01_1
Number of Samples:	151

SAMPLE DISPOSAL

RTRN-PLP	Return
DISP-RJT	Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	144	Crush, split and pulverize 250 g rock to 200 mesh			SMI
SPTRF	4	Split samples by riffle splitter			SMI
PUL85	4	Pulverize to 85% passing 200 mesh			VAN
AQ251_EXT	151	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
SLBHP	3	Sort, label and box pulps			SMI

ADDITIONAL COMMENTS

Invoice To: Equity Exploration Consultants Ltd.
#1510 - 250 Howe St.
Vancouver BC V6C 3R8
CANADA

CC: Ron Voordouw
Michael Pond

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Geochemical Laboratory 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. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

BUREAU VERITAS
MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
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Client: **Equity Exploration Consultants Ltd.**
#1510 - 250 Howe St.
Vancouver BC V6C 3R8 CANADA

Project: TRX15-01
Report Date: November 17, 2015

CERTIFICATE OF ANALYSIS SMI15000093.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192001	Drill Core	3.68	6.14	61.99	13.15	209.1	385	31.7	17.2	803	4.14	10.9	0.6	<0.2	1.4	175.2	2.20	1.37	0.09	48	4.49
S192002	Drill Core	3.79	4.05	64.98	10.84	169.7	329	30.1	15.9	726	3.85	6.3	0.4	<0.2	1.4	186.2	1.40	1.04	0.11	41	4.35
S192003	Drill Core	2.87	13.38	57.39	11.34	189.8	290	51.9	10.6	540	3.04	1.6	0.6	<0.2	2.0	258.4	1.84	0.99	0.11	41	5.91
S192004	Drill Core	2.48	15.55	61.05	11.97	98.0	275	48.0	12.7	483	3.46	4.9	0.5	1.0	1.6	210.7	0.80	1.29	0.13	28	5.19
S192005 Dup of S192004	Core DUP	<0.01	15.79	59.62	11.84	101.3	281	49.7	14.1	508	3.47	4.5	0.5	<0.2	1.7	207.2	0.81	1.39	0.12	28	5.21
S192006	Drill Core	0.87	5.86	47.88	5.97	129.0	204	23.8	14.3	724	2.67	67.9	0.3	<0.2	1.0	238.7	0.97	3.48	0.06	25	5.77
S192007	Drill Core	3.30	1.86	57.37	4.93	73.2	132	11.5	20.3	1059	4.90	19.4	0.6	1.0	0.9	254.3	0.16	1.97	0.02	93	4.96
S192008	Drill Core	3.14	1.70	60.32	5.19	68.8	77	11.6	18.9	1172	5.83	5.8	0.5	<0.2	1.0	230.1	0.10	0.98	<0.02	108	5.13
S192009	Drill Core	3.47	1.92	70.98	4.87	68.8	60	14.5	21.2	968	4.72	9.5	0.7	1.9	1.0	158.7	0.10	0.50	0.02	117	4.41
S192010	Rock	0.77	0.08	0.37	0.17	0.6	<2	0.6	0.1	23	0.04	0.2	1.6	0.5	<0.1	4239.3	<0.01	<0.02	<0.02	<2	31.46
S192011	Drill Core	1.62	0.70	42.10	2.85	64.1	76	4.9	18.5	1095	4.85	3.7	0.4	0.6	0.9	214.4	0.09	0.13	<0.02	134	4.26
S192012	Drill Core	1.66	2.04	93.02	5.37	92.4	202	31.6	29.0	929	5.21	13.1	0.6	0.9	1.0	158.4	0.07	0.48	<0.02	110	4.40
S192013	Drill Core	1.60	22.68	52.58	25.04	86.6	274	62.8	9.4	705	2.90	25.5	0.6	<0.2	1.5	315.0	0.65	1.31	0.09	45	9.27
S192014	Drill Core	2.21	29.52	56.98	26.83	98.5	335	77.9	11.7	560	2.88	11.8	0.6	<0.2	1.6	290.0	0.70	1.48	0.09	48	8.31
S192015	Drill Core	2.56	27.02	55.09	24.16	95.2	299	65.5	9.2	552	2.84	2.5	0.6	1.6	1.6	301.8	0.78	1.68	0.09	49	8.76
S192016	Drill Core	3.43	22.02	54.37	25.64	98.9	329	63.4	11.6	559	2.95	4.1	0.6	<0.2	1.8	291.3	0.75	2.02	0.10	39	7.98
S192017	Drill Core	3.46	9.56	53.46	19.29	253.7	296	41.3	11.4	531	2.67	9.4	0.4	0.3	1.7	236.6	3.20	2.43	0.10	43	6.32
S192018	Drill Core	1.90	4.45	55.87	12.23	133.0	273	32.2	14.6	612	3.86	35.3	0.4	1.6	1.3	197.3	1.11	1.99	0.09	42	5.93
S192019	Drill Core	2.00	5.33	50.99	6.13	167.9	150	31.8	15.3	667	3.60	8.9	0.5	<0.2	1.3	212.9	1.72	0.80	0.06	56	6.46
S192020	Drill Core	1.71	5.70	61.44	9.53	133.5	163	29.6	19.2	908	5.59	6.5	0.6	<0.2	1.0	204.0	1.19	0.94	0.05	111	7.70
S192021	Drill Core	2.59	1.53	54.53	4.75	85.1	78	17.5	22.6	990	5.12	7.0	0.8	<0.2	1.0	131.4	0.08	0.37	<0.02	165	4.97
S192022	Drill Core	0.83	9.87	56.64	8.21	136.9	97	35.6	14.1	633	4.23	44.4	0.4	0.4	1.3	185.5	1.32	3.04	0.06	69	6.38
S192023	Drill Core	3.42	2.85	71.13	5.05	85.3	79	11.2	17.5	808	4.12	5.3	1.1	1.2	1.3	109.0	0.27	0.36	<0.02	75	4.12
S192024	Drill Core	2.66	2.17	71.27	5.25	70.5	85	12.6	18.2	823	4.13	9.5	1.0	<0.2	1.2	124.1	0.07	0.45	<0.02	85	5.05
S192025	Drill Core	1.25	4.66	67.00	5.55	75.6	85	13.7	17.5	846	4.37	9.8	1.0	<0.2	1.2	124.6	0.08	0.48	<0.02	86	4.87
S192026	Drill Core	1.93	2.35	51.57	5.61	76.7	93	17.9	14.8	711	3.80	898.5	0.5	1.2	1.3	208.7	0.25	26.99	0.05	54	5.67
S192027	Drill Core	1.98	2.10	50.94	4.91	78.3	119	14.5	20.4	994	4.59	576.7	0.4	0.4	0.8	218.4	0.07	21.63	0.03	74	5.95
S192028	Drill Core	2.02	3.78	54.99	6.12	75.9	171	16.8	20.1	812	4.55	30.4	0.4	<0.2	0.9	233.1	0.32	2.96	0.05	63	6.82
S192029	Drill Core	1.76	2.60	53.11	4.42	78.7	144	15.0	21.8	928	4.16	21.0	0.6	1.5	0.9	180.2	0.18	2.40	0.03	66	6.00
S192030	Drill Core	2.66	5.41	61.48	8.40	278.6	244	38.8	13.5	518	3.58	28.9	0.4	<0.2	1.7	169.3	3.64	3.34	0.11	43	5.43

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Project: TRX15-01
Report Date: November 17, 2015

CERTIFICATE OF ANALYSIS SMI15000093.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192001	Drill Core	0.125	9.0	21.6	1.23	103.6	0.155	3	1.74	0.025	0.20	0.2	3.5	0.14	2.28	58	4.0	<0.02	4.2	0.37	<0.1
S192002	Drill Core	0.119	9.0	20.0	1.23	93.7	0.136	3	1.69	0.024	0.20	0.1	3.0	0.13	1.98	55	3.5	<0.02	3.9	0.34	<0.1
S192003	Drill Core	0.130	11.1	23.8	0.92	102.6	0.107	3	1.28	0.018	0.19	0.1	3.1	0.12	1.63	64	3.6	0.04	2.9	0.33	<0.1
S192004	Drill Core	0.106	8.9	16.4	0.90	103.6	0.097	3	1.42	0.018	0.22	0.2	3.0	0.15	2.01	52	1.9	<0.02	2.6	0.39	<0.1
S192005 Dup of S192004	Core DUP	0.106	9.5	17.0	0.90	109.3	0.100	2	1.42	0.018	0.22	0.2	2.9	0.14	2.03	61	2.1	<0.02	2.9	0.40	<0.1
S192006	Drill Core	0.105	11.1	14.3	0.68	134.9	0.008	4	1.25	0.025	0.24	<0.1	3.4	0.14	0.96	40	1.2	<0.02	2.5	0.47	<0.1
S192007	Drill Core	0.140	7.9	16.1	2.14	98.8	0.046	2	2.84	0.038	0.15	<0.1	5.3	0.13	1.15	<5	0.4	<0.02	7.8	0.62	<0.1
S192008	Drill Core	0.167	7.5	18.9	1.68	126.0	0.151	3	2.93	0.065	0.25	0.2	7.0	0.28	1.14	10	0.3	0.04	8.4	1.89	0.1
S192009	Drill Core	0.174	7.2	23.7	1.56	120.3	0.179	2	2.83	0.098	0.34	0.1	7.4	0.38	0.71	<5	0.2	<0.02	7.9	2.14	<0.1
S192010	Rock	0.005	<0.5	0.8	1.46	13.1	0.002	<1	0.05	0.003	<0.01	<0.1	0.2	<0.02	0.05	<5	<0.1	0.11	<0.1	<0.02	<0.1
S192011	Drill Core	0.125	7.4	2.8	1.22	143.0	0.202	2	3.02	0.180	0.46	0.1	6.0	0.92	0.69	<5	<0.1	<0.02	8.4	4.76	<0.1
S192012	Drill Core	0.180	6.6	51.3	2.26	136.7	0.175	3	3.08	0.040	0.27	0.2	7.2	0.28	1.56	10	0.7	<0.02	7.3	0.80	<0.1
S192013	Drill Core	0.132	9.5	16.8	0.77	112.2	0.106	3	1.33	0.020	0.23	0.2	2.8	0.19	1.45	33	2.7	<0.02	3.0	0.87	<0.1
S192014	Drill Core	0.162	10.8	19.1	0.77	116.4	0.113	3	1.35	0.019	0.28	0.3	2.9	0.23	1.48	69	2.7	0.06	2.9	0.83	<0.1
S192015	Drill Core	0.150	10.5	19.4	0.80	93.3	0.069	4	1.37	0.017	0.25	0.2	3.1	0.21	1.54	59	4.0	0.07	2.6	0.73	<0.1
S192016	Drill Core	0.146	10.5	16.1	0.79	97.2	0.096	3	1.32	0.019	0.26	0.2	2.7	0.22	1.77	44	2.8	<0.02	2.4	0.69	<0.1
S192017	Drill Core	0.117	10.8	15.7	0.78	107.2	0.053	4	1.28	0.021	0.28	0.2	2.8	0.23	1.70	61	4.4	<0.02	2.8	0.71	<0.1
S192018	Drill Core	0.102	8.3	20.9	0.95	98.6	0.141	3	1.49	0.022	0.26	0.2	3.0	0.25	2.52	46	3.8	<0.02	3.2	0.75	<0.1
S192019	Drill Core	0.111	7.7	19.1	1.05	126.1	0.167	4	1.67	0.032	0.27	0.2	3.7	0.23	1.78	66	3.4	0.04	4.1	0.68	<0.1
S192020	Drill Core	0.129	6.7	34.3	1.63	83.3	0.208	3	2.29	0.027	0.19	0.2	6.2	0.24	2.46	40	2.3	0.06	6.4	0.76	<0.1
S192021	Drill Core	0.177	7.1	45.1	1.96	80.4	0.220	3	2.78	0.065	0.25	0.2	8.2	0.28	1.19	8	0.6	0.05	9.6	0.99	<0.1
S192022	Drill Core	0.110	8.0	18.9	1.29	98.3	0.092	3	2.05	0.024	0.24	<0.1	3.4	0.16	1.71	43	2.7	<0.02	4.6	0.77	<0.1
S192023	Drill Core	0.199	8.5	9.8	1.42	116.6	0.189	3	2.18	0.055	0.30	0.1	3.7	0.22	1.26	10	1.0	<0.02	6.8	0.77	<0.1
S192024	Drill Core	0.192	7.7	17.3	1.33	71.0	0.182	3	2.15	0.055	0.20	0.3	4.9	0.10	1.14	<5	0.4	<0.02	6.5	0.57	<0.1
S192025	Drill Core	0.188	7.7	17.4	1.38	65.3	0.171	3	2.23	0.053	0.18	0.3	5.2	0.10	1.18	<5	0.4	<0.02	7.2	0.54	<0.1
S192026	Drill Core	0.120	9.0	23.6	1.09	73.6	0.005	4	2.11	0.027	0.22	0.1	3.3	0.14	0.94	84	1.0	0.04	5.5	1.48	<0.1
S192027	Drill Core	0.147	8.6	20.1	1.61	70.9	0.023	4	2.31	0.038	0.20	0.2	3.8	0.16	1.20	45	0.6	<0.02	6.4	0.87	<0.1
S192028	Drill Core	0.149	7.8	13.9	1.39	90.5	0.026	2	1.84	0.033	0.20	<0.1	3.6	0.16	2.20	34	0.7	<0.02	5.0	0.96	<0.1
S192029	Drill Core	0.152	8.3	17.3	1.73	102.5	0.027	3	2.22	0.045	0.26	0.2	4.4	0.28	1.38	12	0.6	<0.02	6.1	1.47	<0.1
S192030	Drill Core	0.106	10.7	23.7	1.06	104.9	0.047	3	1.57	0.021	0.23	0.1	2.6	0.18	1.86	61	4.9	<0.02	3.1	0.73	<0.1

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Project: TRX15-01
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CERTIFICATE OF ANALYSIS SMI15000093.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192001	Drill Core	0.15	0.19	5.8	0.2	<0.05	6.7	11.52	18.3	0.04	2	0.2	17.9	<10	3
S192002	Drill Core	0.15	0.20	5.8	0.3	<0.05	5.8	10.44	18.0	0.03	3	0.4	18.7	<10	<2
S192003	Drill Core	0.28	0.15	5.8	0.2	<0.05	10.7	13.11	18.7	0.04	10	0.2	14.1	<10	<2
S192004	Drill Core	0.29	0.15	6.3	0.2	<0.05	9.2	12.53	17.4	<0.02	18	0.2	13.4	<10	<2
S192005 Dup of S192004	Core DUP	0.23	0.15	6.6	0.2	<0.05	9.4	12.51	17.7	0.03	11	0.2	13.3	15	5
S192006	Drill Core	0.10	0.03	7.1	0.1	<0.05	4.5	10.59	21.1	0.03	9	0.2	11.7	<10	<2
S192007	Drill Core	0.06	0.06	4.7	0.1	<0.05	2.0	10.85	17.9	<0.02	<1	0.3	28.7	<10	<2
S192008	Drill Core	0.12	0.21	9.5	0.2	<0.05	3.4	11.42	17.2	<0.02	5	<0.1	24.7	12	<2
S192009	Drill Core	0.15	0.20	12.3	0.2	<0.05	4.3	11.33	16.5	<0.02	<1	0.1	24.3	<10	<2
S192010	Rock	<0.02	0.02	0.1	<0.1	<0.05	0.2	0.19	0.2	<0.02	<1	<0.1	0.4	<10	<2
S192011	Drill Core	0.09	0.21	23.8	0.4	<0.05	2.7	11.96	16.8	<0.02	2	0.2	20.6	<10	<2
S192012	Drill Core	0.13	0.12	8.3	0.3	<0.05	3.9	11.01	15.3	<0.02	<1	0.1	31.0	<10	3
S192013	Drill Core	0.19	0.11	7.5	0.2	<0.05	8.0	14.33	15.8	0.02	13	0.3	11.1	<10	4
S192014	Drill Core	0.16	0.17	8.6	0.2	<0.05	8.9	13.82	17.7	0.02	26	0.4	11.0	<10	3
S192015	Drill Core	0.17	0.08	8.1	0.2	<0.05	7.9	15.21	17.5	0.03	31	0.3	11.9	<10	5
S192016	Drill Core	0.28	0.13	8.5	0.2	<0.05	9.3	13.64	18.5	0.03	18	0.3	12.1	<10	3
S192017	Drill Core	0.16	0.08	9.0	0.2	<0.05	7.6	11.83	19.7	0.03	15	0.4	11.6	16	5
S192018	Drill Core	0.22	0.17	8.2	0.2	<0.05	6.6	11.17	15.7	0.02	4	0.6	12.6	<10	<2
S192019	Drill Core	0.15	0.13	8.4	0.3	<0.05	6.9	11.08	15.5	0.02	8	0.4	13.5	<10	4
S192020	Drill Core	0.14	0.15	7.3	0.3	<0.05	6.1	10.92	14.6	0.02	6	0.4	19.1	14	5
S192021	Drill Core	0.20	0.20	10.3	0.3	<0.05	7.2	11.96	16.4	0.03	1	<0.1	25.2	<10	2
S192022	Drill Core	0.21	0.07	7.7	0.2	<0.05	6.0	10.98	15.9	0.02	8	0.5	17.4	<10	<2
S192023	Drill Core	0.19	0.24	10.4	0.4	<0.05	4.9	12.42	19.6	<0.02	5	0.4	20.0	<10	3
S192024	Drill Core	0.19	0.22	6.0	0.4	<0.05	6.2	11.73	17.3	<0.02	2	0.4	19.4	<10	2
S192025	Drill Core	0.24	0.22	5.4	0.4	<0.05	6.1	11.38	17.3	<0.02	2	0.2	20.8	<10	<2
S192026	Drill Core	<0.02	<0.02	8.9	0.1	<0.05	2.1	9.60	17.4	<0.02	<1	0.4	23.4	<10	<2
S192027	Drill Core	0.06	0.03	6.9	0.1	<0.05	2.3	11.41	18.4	0.02	5	0.3	22.6	<10	<2
S192028	Drill Core	0.05	0.04	6.8	0.1	<0.05	2.4	10.42	17.3	<0.02	3	0.2	17.4	<10	<2
S192029	Drill Core	0.03	0.02	9.9	0.1	<0.05	1.6	12.29	17.7	<0.02	1	0.4	21.3	<10	<2
S192030	Drill Core	0.23	0.07	7.8	0.2	<0.05	6.0	11.68	19.5	<0.02	7	0.3	14.5	<10	<2

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CERTIFICATE OF ANALYSIS SMI15000093.1

Method		WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192031	Drill Core	1.83	9.75	59.30	10.74	107.5	232	30.0	13.8	622	3.46	40.4	0.5	<0.2	1.5	211.9	0.91	6.10	0.10	28	7.08
S192032	Drill Core	1.66	13.45	70.01	11.42	95.0	194	35.5	16.5	615	3.83	56.7	0.7	<0.2	1.2	246.9	0.63	6.27	0.10	45	7.70
S192033	Drill Core	1.88	1.89	55.36	9.37	86.9	167	13.8	18.6	714	3.70	371.5	0.3	<0.2	1.0	165.8	0.20	19.07	0.04	57	4.48
S192034	Drill Core	1.73	1.82	17.73	19.32	95.8	152	6.4	6.3	577	2.54	822.4	2.3	1.4	7.4	175.8	0.46	35.49	0.21	14	3.06
S192035	Drill Core	2.46	2.84	70.09	12.97	138.8	318	35.7	12.3	518	3.49	540.2	0.3	<0.2	1.7	195.0	0.77	22.55	0.20	24	4.76
S192036	Drill Core	3.13	2.01	66.82	14.57	110.7	397	40.9	12.1	488	3.88	41.0	0.3	<0.2	1.9	184.1	0.34	3.55	0.21	27	5.13
S192037	Drill Core	2.46	4.39	72.50	13.29	135.3	338	45.3	11.8	488	3.93	6.2	0.4	<0.2	1.7	166.5	1.20	1.79	0.45	47	4.63
S192038	Drill Core	0.67	12.13	54.32	8.53	71.9	234	15.8	18.0	877	4.86	1.8	0.3	0.9	0.8	193.1	0.34	1.20	0.11	37	7.15
S192039	Drill Core	1.69	15.26	78.58	20.57	117.1	335	32.1	14.6	556	4.14	2.6	0.4	<0.2	1.3	160.3	1.29	1.98	1.40	52	5.23
S192040	Rock Pulp	0.12	285.23	2462.65	87.80	452.8	2855	15.3	10.9	765	4.35	26.5	0.8	346.2	3.5	57.4	2.00	2.06	1.17	32	0.84
S192041	Drill Core	3.32	20.04	64.42	11.17	61.6	209	14.1	18.8	915	5.06	2.2	0.3	2.1	1.0	112.1	0.06	0.42	0.76	93	5.07
S192042	Drill Core	3.39	5.08	72.74	5.57	65.5	119	14.5	21.0	871	5.15	0.7	0.4	1.3	1.0	71.2	0.02	0.26	0.11	109	3.68
S192043	Drill Core	3.11	0.80	79.81	2.99	73.0	57	8.7	17.5	733	4.21	2.1	0.3	1.6	1.2	112.5	0.05	0.08	0.02	114	2.56
S192044	Drill Core	3.02	1.96	73.72	6.02	71.8	166	13.5	22.2	793	4.65	8.3	0.3	3.5	1.1	124.3	0.12	0.06	0.71	137	3.24
S192045 Dup of S192044	Core DUP	<0.01	1.98	78.08	6.13	82.1	164	14.9	22.6	813	4.78	7.9	0.3	3.1	1.2	133.2	0.12	0.08	0.68	143	3.33
S192046	Drill Core	2.26	1.76	64.96	3.68	69.6	67	10.8	18.8	712	3.51	2.7	0.4	2.1	1.0	81.2	0.06	0.14	0.17	83	3.71
S192047	Drill Core	0.45	1.35	93.02	13.10	148.1	195	45.1	39.5	1278	7.54	5.1	0.3	1.1	0.7	63.8	0.13	0.22	0.65	286	3.97
S192048	Drill Core	2.26	1.88	74.98	2.58	64.7	89	7.7	17.7	768	4.00	1.2	0.4	3.2	1.2	66.7	0.02	0.07	0.36	95	3.54
S192049	Drill Core	2.30	0.42	38.20	2.74	67.6	53	5.6	14.5	682	4.15	0.3	0.3	<0.2	1.3	64.6	0.04	0.06	0.09	98	2.30
S192050	Rock	0.87	0.04	0.46	0.07	0.5	4	0.4	<0.1	21	0.03	<0.1	1.4	0.2	<0.1	3743.9	<0.01	<0.02	<0.02	<2	32.36
S192051	Drill Core	3.04	1.44	76.80	4.70	71.4	112	12.7	20.5	635	3.95	10.2	0.3	<0.2	1.0	179.0	0.19	0.08	0.06	97	2.51
S192052	Drill Core	3.61	1.93	83.47	16.86	77.5	119	16.5	22.5	779	4.28	6.7	0.3	1.2	0.9	147.4	0.13	0.09	0.14	128	4.04
S192053	Drill Core	1.75	2.19	84.02	4.63	76.8	169	11.8	21.8	931	4.69	3.2	0.3	<0.2	0.9	78.0	0.07	0.24	0.08	133	3.31
S192054	Drill Core	1.36	4.47	95.69	9.92	103.9	297	36.2	19.5	608	5.09	36.3	0.4	<0.2	1.7	90.5	0.61	2.06	0.66	136	3.36
S192055	Drill Core	1.26	5.89	89.76	11.37	117.8	351	32.1	16.6	592	4.92	2.3	0.3	<0.2	1.6	122.0	1.30	2.20	0.64	107	4.21
S192056	Drill Core	2.86	5.16	89.96	12.65	94.1	349	30.4	18.5	547	4.68	99.2	0.2	<0.2	1.5	125.0	0.55	7.08	1.31	77	3.56
S192057	Drill Core	2.33	5.20	85.11	27.16	83.2	366	19.2	16.5	955	4.21	429.6	0.2	0.3	1.2	209.4	0.57	13.62	0.75	67	5.32
S192058	Drill Core	1.57	5.07	63.14	7.94	117.4	1010	15.5	16.6	884	3.63	16.7	0.6	<0.2	1.8	144.5	0.86	2.39	0.07	75	4.70
S192059	Drill Core	2.32	3.62	75.06	4.85	71.1	163	10.9	17.3	854	4.01	73.0	0.3	0.5	1.3	119.4	0.16	5.25	<0.02	69	4.65
S192060	Drill Core	2.37	2.14	67.48	5.86	80.2	118	8.7	16.8	778	4.31	187.9	0.2	<0.2	1.3	84.0	0.19	8.01	<0.02	75	3.16

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Project: TRX15-01
Report Date: November 17, 2015

CERTIFICATE OF ANALYSIS SMI15000093.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192031	Drill Core	0.120	12.7	14.5	0.95	95.8	0.007	3	1.39	0.024	0.20	0.1	2.4	0.48	2.45	92	1.6	<0.02	2.9	0.84	<0.1
S192032	Drill Core	0.122	9.9	25.8	1.14	88.2	0.004	4	1.46	0.030	0.17	0.2	3.6	0.62	2.84	145	0.9	<0.02	3.9	1.17	<0.1
S192033	Drill Core	0.142	6.8	14.1	1.35	66.5	0.005	2	1.69	0.046	0.19	0.2	3.4	0.13	2.01	39	0.8	<0.02	5.4	0.80	<0.1
S192034	Drill Core	0.088	20.8	7.2	0.60	88.6	0.007	3	1.37	0.025	0.36	0.1	1.6	0.16	0.62	64	0.3	0.07	4.1	2.92	<0.1
S192035	Drill Core	0.103	7.7	19.7	0.84	83.4	0.004	2	1.35	0.018	0.27	0.1	2.3	0.13	2.16	34	3.9	0.08	3.1	0.55	<0.1
S192036	Drill Core	0.104	8.2	20.6	0.69	84.2	0.004	2	1.31	0.018	0.32	0.1	2.4	0.15	2.78	45	4.0	<0.02	2.7	0.98	<0.1
S192037	Drill Core	0.090	9.4	29.1	0.86	76.4	0.037	3	1.22	0.022	0.22	0.2	2.5	0.12	2.93	41	5.9	<0.02	2.9	0.69	<0.1
S192038	Drill Core	0.132	7.4	13.3	1.26	77.8	0.084	2	1.57	0.023	0.22	0.3	2.7	0.07	2.97	12	2.1	<0.02	3.2	0.66	<0.1
S192039	Drill Core	0.115	8.3	23.2	0.82	85.7	0.084	1	1.16	0.038	0.24	0.5	2.8	0.09	2.67	23	2.9	0.21	2.8	0.58	<0.1
S192040	Rock Pulp	0.068	4.6	21.6	0.59	65.1	0.041	5	1.77	0.055	0.31	1.3	2.5	0.29	2.13	40	4.0	0.59	5.2	4.15	0.1
S192041	Drill Core	0.157	6.6	26.2	1.74	82.7	0.187	<1	1.89	0.053	0.66	0.4	6.2	0.23	2.69	<5	0.7	0.11	6.7	1.93	<0.1
S192042	Drill Core	0.165	5.5	25.2	1.50	84.8	0.206	<1	1.91	0.063	0.61	0.4	5.1	0.14	2.15	11	0.2	0.02	7.6	1.07	<0.1
S192043	Drill Core	0.154	7.3	11.0	1.26	160.6	0.205	1	2.41	0.121	0.98	0.2	4.8	0.17	0.52	<5	<0.1	<0.02	8.6	1.66	0.1
S192044	Drill Core	0.148	5.4	23.5	1.62	253.3	0.191	2	2.89	0.113	1.20	0.4	6.0	0.18	0.19	<5	0.2	0.10	9.5	2.03	0.3
S192045 Dup of S192044	Core DUP	0.150	5.8	26.3	1.67	263.4	0.223	1	3.04	0.130	1.24	0.3	6.4	0.19	0.18	<5	<0.1	<0.02	10.2	2.07	0.3
S192046	Drill Core	0.173	5.3	16.8	1.17	45.4	0.144	<1	1.84	0.065	0.29	0.4	3.1	0.07	0.39	<5	<0.1	<0.02	6.5	0.49	<0.1
S192047	Drill Core	0.166	3.8	108.0	3.60	226.6	0.253	1	4.75	0.049	2.10	0.6	20.5	0.48	0.11	5	<0.1	0.19	15.3	4.89	0.2
S192048	Drill Core	0.168	5.6	11.3	1.27	78.5	0.159	2	2.11	0.074	0.39	0.5	3.3	0.07	0.28	7	<0.1	0.27	8.0	0.68	0.2
S192049	Drill Core	0.178	7.0	5.2	1.31	154.2	0.151	2	2.27	0.075	1.14	0.2	4.2	0.22	0.11	6	<0.1	0.07	8.4	2.08	<0.1
S192050	Rock	0.003	<0.5	0.6	1.30	5.5	0.002	<1	0.02	0.003	<0.01	<0.1	0.2	<0.02	0.15	<5	<0.1	0.04	<0.1	<0.02	<0.1
S192051	Drill Core	0.143	5.0	17.6	1.36	211.2	0.171	1	2.38	0.101	0.82	0.4	3.8	0.15	0.08	<5	<0.1	<0.02	7.3	1.42	0.1
S192052	Drill Core	0.146	4.9	29.9	1.50	202.6	0.187	2	2.62	0.111	1.13	0.3	4.4	0.27	0.47	10	<0.1	0.02	8.1	1.89	<0.1
S192053	Drill Core	0.135	6.6	14.1	1.64	75.4	0.177	2	2.16	0.076	0.50	0.3	7.0	0.17	1.68	<5	0.5	<0.02	8.7	1.40	<0.1
S192054	Drill Core	0.123	8.3	58.5	1.68	36.6	0.106	2	1.85	0.058	0.28	0.3	6.3	0.11	2.58	24	3.8	0.16	7.2	0.71	<0.1
S192055	Drill Core	0.122	8.8	44.3	1.36	53.1	0.110	<1	1.63	0.054	0.43	0.3	5.0	0.19	2.76	31	4.3	0.05	6.0	0.91	<0.1
S192056	Drill Core	0.139	7.5	34.5	1.40	65.1	0.042	<1	1.76	0.051	0.50	0.2	5.0	0.20	2.24	30	3.3	0.39	5.7	0.94	<0.1
S192057	Drill Core	0.130	6.9	22.8	1.62	59.5	0.030	1	2.20	0.029	0.40	0.2	5.2	0.12	0.91	20	0.8	0.20	6.5	1.63	<0.1
S192058	Drill Core	0.170	8.1	14.0	1.26	121.1	0.090	2	1.90	0.063	0.57	2.7	3.9	0.23	1.14	34	1.1	<0.02	5.7	1.22	<0.1
S192059	Drill Core	0.156	7.2	4.2	1.18	96.6	0.054	1	1.97	0.050	0.46	0.2	3.4	0.15	1.00	41	0.5	<0.02	6.6	1.06	<0.1
S192060	Drill Core	0.164	7.4	4.4	1.31	71.9	0.032	2	2.14	0.048	0.32	0.1	3.8	0.08	0.77	25	<0.1	<0.02	7.1	0.63	<0.1

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Project: TRX15-01
Report Date: November 17, 2015

CERTIFICATE OF ANALYSIS SMI15000093.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192031	Drill Core	0.14	0.03	7.4	0.1	<0.05	4.2	13.18	23.0	0.04	7	0.4	16.7	<10	4
S192032	Drill Core	0.12	<0.02	6.9	0.1	<0.05	4.5	11.24	17.9	0.04	6	0.2	18.8	<10	2
S192033	Drill Core	<0.02	<0.02	7.7	0.1	<0.05	1.5	9.85	14.1	<0.02	2	0.5	18.0	<10	<2
S192034	Drill Core	0.19	0.19	17.3	0.3	<0.05	5.8	7.51	41.7	0.02	3	0.5	10.1	<10	<2
S192035	Drill Core	0.09	<0.02	10.7	<0.1	<0.05	4.2	9.28	12.6	0.03	8	0.2	12.2	<10	<2
S192036	Drill Core	0.09	0.02	12.5	0.1	<0.05	4.1	8.54	14.3	<0.02	2	0.4	11.0	<10	<2
S192037	Drill Core	0.17	0.11	8.9	0.2	<0.05	5.3	11.56	16.4	0.02	12	0.2	9.8	<10	5
S192038	Drill Core	0.09	0.17	7.6	0.1	<0.05	3.2	10.08	14.7	<0.02	<1	0.3	12.3	12	<2
S192039	Drill Core	0.19	0.21	9.4	0.2	<0.05	5.2	10.84	15.2	0.03	15	<0.1	8.4	<10	<2
S192040	Rock Pulp	0.10	0.22	15.3	0.6	<0.05	0.9	4.62	9.7	0.12	281	0.3	16.8	<10	<2
S192041	Drill Core	0.25	0.17	32.7	0.3	<0.05	5.5	9.86	14.9	<0.02	7	0.4	14.0	<10	9
S192042	Drill Core	0.24	0.18	27.8	0.5	<0.05	6.1	9.23	12.7	0.02	1	0.2	16.9	<10	<2
S192043	Drill Core	0.14	0.15	39.6	0.4	<0.05	5.4	9.83	16.7	<0.02	<1	<0.1	17.2	<10	5
S192044	Drill Core	0.11	0.10	45.4	0.3	<0.05	4.3	8.15	12.6	<0.02	<1	0.5	21.4	14	<2
S192045 Dup of S192044	Core DUP	0.12	0.12	48.6	0.2	<0.05	5.1	8.20	12.6	<0.02	<1	0.4	20.8	<10	2
S192046	Drill Core	0.19	0.19	14.0	0.3	<0.05	5.2	7.32	11.6	<0.02	<1	0.1	13.7	<10	3
S192047	Drill Core	0.11	0.05	111.5	0.3	<0.05	3.8	6.53	8.0	<0.02	<1	0.3	37.6	<10	2
S192048	Drill Core	0.20	0.16	16.8	0.2	<0.05	6.1	7.72	12.7	<0.02	3	0.3	15.9	13	<2
S192049	Drill Core	0.13	0.10	50.2	0.2	<0.05	3.3	8.05	15.9	<0.02	<1	0.2	15.2	<10	<2
S192050	Rock	<0.02	0.04	<0.1	<0.1	<0.05	0.2	0.26	0.2	<0.02	<1	<0.1	0.2	<10	<2
S192051	Drill Core	0.16	0.11	33.0	0.2	<0.05	6.0	6.94	11.0	<0.02	<1	0.3	14.1	<10	<2
S192052	Drill Core	0.18	0.10	49.5	0.2	<0.05	4.7	7.02	10.8	<0.02	<1	0.5	16.9	<10	3
S192053	Drill Core	0.19	0.14	23.3	0.4	<0.05	5.4	9.70	15.4	<0.02	<1	0.3	15.2	<10	<2
S192054	Drill Core	0.22	0.11	13.7	0.4	<0.05	6.4	9.23	16.6	0.03	7	0.4	14.2	<10	3
S192055	Drill Core	0.12	0.15	21.6	0.4	<0.05	4.7	9.85	17.2	0.02	10	0.3	11.1	15	<2
S192056	Drill Core	0.06	0.03	26.3	0.1	<0.05	2.7	9.76	14.7	<0.02	3	0.4	12.9	<10	5
S192057	Drill Core	0.08	0.03	17.6	0.2	<0.05	2.3	9.96	14.3	<0.02	2	0.2	19.8	<10	5
S192058	Drill Core	0.12	0.04	24.3	0.3	<0.05	4.1	10.64	17.1	<0.02	3	0.3	15.2	<10	2
S192059	Drill Core	<0.02	0.11	18.7	0.2	<0.05	1.4	10.74	15.5	<0.02	<1	0.6	15.5	<10	4
S192060	Drill Core	0.02	<0.02	11.5	0.2	<0.05	1.8	10.46	16.1	<0.02	<1	0.2	21.0	<10	3

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CERTIFICATE OF ANALYSIS SMI15000093.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192061	Drill Core	2.39	2.61	58.70	5.63	67.6	89	6.2	16.1	965	3.76	254.5	0.3	0.4	1.3	105.6	0.20	10.56	<0.02	73	4.83
S192062	Drill Core	3.07	1.85	58.24	4.38	76.8	81	6.5	15.7	936	4.11	27.3	0.2	0.6	1.3	117.5	0.18	2.48	0.04	81	4.67
S192063	Drill Core	2.41	1.36	77.76	6.07	65.9	182	53.6	23.2	1093	4.67	30.9	0.3	0.8	1.4	230.0	0.20	2.77	0.08	162	7.62
S192064	Drill Core	2.41	1.89	74.24	6.68	70.9	242	32.4	22.3	1015	5.02	1.7	0.2	2.1	0.9	226.5	0.10	0.42	0.07	172	6.82
S192065	Drill Core	0.99	1.75	62.40	5.98	66.9	211	29.0	21.3	1031	4.91	0.8	0.2	1.3	0.8	235.4	0.10	0.36	0.05	175	6.32
S192066	Drill Core	3.10	3.13	159.10	8.57	64.9	429	17.6	18.6	1039	4.47	0.9	0.2	1.1	0.8	203.5	0.12	0.43	0.10	121	6.22
S192067	Drill Core	3.62	1.67	125.76	4.48	72.8	211	21.2	24.4	1143	4.73	4.2	0.3	1.0	1.0	159.7	0.06	0.36	<0.02	152	5.32
S192068	Drill Core	2.57	0.57	141.04	4.19	72.3	271	14.7	20.3	1150	4.77	7.4	0.2	1.1	0.8	127.0	0.10	0.30	<0.02	154	3.69
S192069	Drill Core	3.20	0.20	55.45	2.61	60.6	162	5.0	16.9	1213	4.36	0.7	0.1	0.5	0.4	121.2	0.08	0.12	<0.02	133	4.11
S192070	Drill Core	2.36	2.83	50.22	4.41	57.8	151	5.3	15.6	949	4.10	0.7	0.1	2.2	1.1	95.4	0.10	0.27	0.02	125	3.08
S192071	Drill Core	2.17	1.50	63.59	4.37	59.7	174	14.1	18.8	866	4.32	5.5	0.3	10.3	0.7	113.1	0.11	0.34	<0.02	136	3.82
S192072	Drill Core	3.10	1.81	99.45	9.62	75.9	163	56.0	24.4	1196	4.58	16.6	1.1	1.3	2.1	131.1	0.16	0.15	0.10	174	4.86
S192073	Drill Core	1.69	0.24	6.19	19.91	74.7	96	4.9	4.2	946	2.52	2.4	0.9	1.2	9.3	267.7	0.09	0.44	0.25	16	3.70
S192074	Drill Core	2.77	0.19	5.54	40.66	82.8	157	4.8	4.0	842	2.46	1.7	1.0	1.2	9.4	276.3	0.30	0.44	0.32	16	3.20
S192075	Drill Core	3.42	1.44	7.52	25.75	88.6	490	5.4	4.4	876	2.49	0.9	0.9	4.3	9.3	290.8	0.47	0.32	1.85	14	3.25
S192076	Drill Core	3.01	0.87	10.72	20.17	81.4	148	7.0	5.4	928	2.72	2.0	0.9	2.1	8.1	197.1	0.20	0.18	0.38	26	3.70
S192077	Drill Core	1.56	3.71	153.72	9.38	79.3	228	35.0	20.7	813	4.63	10.6	0.9	<0.2	2.0	84.2	0.16	0.68	0.84	169	2.86
S192078	Drill Core	2.75	1.60	137.69	7.72	82.7	188	53.0	24.5	829	4.91	6.3	0.5	<0.2	1.5	80.4	0.14	0.37	0.06	201	3.82
S192079	Drill Core	3.18	1.18	147.46	8.04	79.4	231	46.1	24.9	838	4.97	4.5	0.6	1.1	1.5	77.4	0.12	0.27	0.06	196	3.16
S192080	Rock Pulp	0.12	288.58	2508.59	79.44	450.7	2831	15.2	11.1	769	4.34	27.1	0.7	333.0	3.3	54.5	2.13	1.78	1.04	32	0.83
S192081	Drill Core	4.05	0.97	150.78	9.34	76.9	259	50.4	25.7	940	5.03	10.3	0.6	<0.2	1.8	86.6	0.14	0.13	0.03	201	3.81
S192082	Drill Core	3.72	1.61	140.61	8.32	79.6	199	63.6	27.8	829	5.17	8.1	0.4	<0.2	1.5	92.0	0.14	0.32	0.03	211	4.12
S192083	Drill Core	3.00	2.40	142.27	8.98	70.7	127	59.7	25.5	747	4.59	4.8	0.6	<0.2	1.7	117.9	0.11	0.19	0.03	172	5.23
S192084	Drill Core	2.61	0.93	153.57	6.31	45.7	105	55.5	23.0	630	3.33	8.7	0.6	4.7	1.4	144.2	0.06	0.14	<0.02	103	4.46
S192085 Dup of S192084	Core DUP	<0.01	0.84	154.33	6.08	45.7	96	58.0	23.8	639	3.28	8.4	0.6	3.0	1.4	140.0	0.05	0.12	<0.02	103	4.51
S192086	Drill Core	4.00	1.01	146.20	6.02	53.6	79	60.8	24.2	585	3.26	5.8	0.5	0.6	1.5	122.6	0.04	0.09	<0.02	99	3.62
S192087	Drill Core	3.15	1.91	133.92	5.36	51.5	87	70.1	27.3	653	3.42	6.0	0.7	0.9	1.4	174.7	0.03	0.13	<0.02	95	4.97
S192088	Drill Core	3.01	0.43	138.61	3.67	48.8	97	60.1	24.7	613	3.28	1.3	0.6	<0.2	1.5	163.5	0.04	0.08	<0.02	99	5.46
S192089	Drill Core	2.93	0.68	163.33	4.08	47.5	152	58.2	21.8	666	3.27	2.8	0.6	3.9	1.4	146.4	0.10	0.10	<0.02	106	4.68
S192090	Rock	0.92	0.11	0.86	0.08	0.4	7	1.1	0.2	19	0.04	<0.1	1.6	<0.2	<0.1	3862.0	<0.01	<0.02	<0.02	<2	35.37

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Project: TRX15-01
Report Date: November 17, 2015

CERTIFICATE OF ANALYSIS SMI15000093.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192061	Drill Core	0.168	9.3	3.4	1.14	78.8	0.046	2	2.07	0.058	0.37	0.1	3.7	0.08	0.36	26	<0.1	<0.02	7.1	0.68	<0.1
S192062	Drill Core	0.166	8.6	4.4	1.38	75.9	0.070	2	2.18	0.038	0.50	0.1	3.2	0.15	0.40	24	<0.1	<0.02	8.0	1.09	<0.1
S192063	Drill Core	0.123	7.3	197.1	2.72	53.9	0.087	2	2.99	0.032	0.28	0.1	12.5	0.10	0.12	<5	<0.1	0.04	10.3	1.55	0.1
S192064	Drill Core	0.136	5.9	133.7	2.30	61.4	0.135	1	2.92	0.052	0.30	0.3	11.6	0.08	0.13	11	<0.1	<0.02	12.0	0.91	0.2
S192065	Drill Core	0.113	5.6	132.6	2.25	30.5	0.123	<1	2.84	0.067	0.13	0.2	11.2	0.04	0.11	<5	<0.1	<0.02	12.3	0.48	0.1
S192066	Drill Core	0.156	5.1	26.1	1.75	117.1	0.168	2	2.49	0.049	0.65	0.2	7.2	0.14	0.29	25	0.1	<0.02	9.4	1.42	0.1
S192067	Drill Core	0.161	5.6	47.3	1.92	104.2	0.195	3	2.87	0.063	0.78	0.3	9.4	0.17	0.10	6	<0.1	0.03	10.9	2.50	0.2
S192068	Drill Core	0.136	5.4	26.3	2.13	39.2	0.137	2	2.78	0.044	0.16	0.4	8.0	0.02	0.07	12	<0.1	0.06	11.1	0.35	0.1
S192069	Drill Core	0.091	4.0	3.7	1.80	70.8	0.149	2	2.66	0.066	0.40	0.1	5.9	0.07	0.06	25	<0.1	0.02	10.6	0.80	0.1
S192070	Drill Core	0.095	5.0	3.4	1.42	113.0	0.168	<1	2.34	0.056	0.83	0.2	5.9	0.20	0.16	<5	<0.1	<0.02	10.1	2.26	0.1
S192071	Drill Core	0.120	5.1	25.5	1.74	126.4	0.162	2	2.50	0.049	0.97	0.2	6.7	0.21	0.37	8	<0.1	<0.02	9.9	3.14	0.1
S192072	Drill Core	0.183	6.7	146.9	2.72	161.9	0.171	2	3.26	0.047	1.59	0.3	9.7	0.33	0.11	<5	<0.1	0.03	11.1	4.40	0.2
S192073	Drill Core	0.109	14.7	6.7	0.56	88.0	0.026	3	1.40	0.033	0.40	0.1	3.1	0.10	0.11	<5	<0.1	0.07	5.1	1.24	<0.1
S192074	Drill Core	0.107	13.5	7.0	0.56	102.9	0.025	2	1.44	0.039	0.43	<0.1	3.2	0.12	0.08	<5	0.1	0.03	4.9	1.01	<0.1
S192075	Drill Core	0.108	8.9	7.8	0.57	108.0	0.034	3	1.44	0.036	0.44	<0.1	3.0	0.11	0.08	11	0.4	0.04	5.2	0.97	<0.1
S192076	Drill Core	0.116	9.6	14.5	0.68	100.7	0.077	3	1.57	0.040	0.46	<0.1	3.8	0.14	0.12	<5	<0.1	0.03	5.6	1.50	<0.1
S192077	Drill Core	0.195	7.7	98.6	2.08	130.4	0.161	<1	2.63	0.053	1.00	0.4	5.3	0.25	0.57	9	0.4	0.10	10.7	1.72	0.1
S192078	Drill Core	0.187	6.1	167.2	2.40	173.3	0.181	<1	2.81	0.040	1.10	0.4	5.5	0.22	0.52	<5	0.7	0.10	10.4	2.22	0.2
S192079	Drill Core	0.188	6.5	133.6	2.68	192.2	0.185	1	3.11	0.043	1.36	0.3	5.7	0.19	0.39	<5	0.4	0.02	11.4	2.82	0.2
S192080	Rock Pulp	0.069	4.3	23.0	0.60	60.1	0.041	5	1.74	0.055	0.31	1.2	2.3	0.27	2.11	35	3.9	0.67	4.8	3.92	<0.1
S192081	Drill Core	0.210	7.2	158.7	2.63	184.9	0.177	1	3.13	0.062	1.04	0.3	6.7	0.16	0.28	<5	0.1	<0.02	11.9	2.45	0.3
S192082	Drill Core	0.170	6.4	209.4	2.77	212.5	0.196	2	3.23	0.042	1.55	0.3	7.3	0.21	0.50	9	0.5	0.06	11.5	3.85	0.2
S192083	Drill Core	0.184	6.3	186.8	2.40	198.1	0.184	<1	2.72	0.043	1.44	0.3	4.6	0.11	0.56	17	0.8	<0.02	9.9	1.45	0.2
S192084	Drill Core	0.200	4.8	175.1	1.88	147.9	0.148	<1	2.11	0.066	1.02	0.3	4.6	0.11	0.04	5	<0.1	0.03	6.9	2.07	0.1
S192085 Dup of S192084	Core DUP	0.192	4.8	170.8	1.83	147.3	0.142	<1	2.12	0.069	1.03	0.2	4.8	0.10	0.03	<5	<0.1	<0.02	6.3	1.96	0.1
S192086	Drill Core	0.215	5.1	168.0	1.75	149.2	0.147	2	2.11	0.080	1.12	0.1	3.8	0.09	0.03	<5	<0.1	0.03	6.6	0.78	0.1
S192087	Drill Core	0.201	4.9	167.2	1.79	119.0	0.148	<1	2.03	0.067	0.70	0.2	4.9	0.05	0.07	<5	<0.1	<0.02	5.8	0.73	<0.1
S192088	Drill Core	0.204	5.1	157.1	1.80	170.5	0.151	<1	1.99	0.055	1.07	0.3	3.9	0.06	0.11	<5	<0.1	<0.02	6.6	1.08	<0.1
S192089	Drill Core	0.218	6.0	145.2	1.89	117.9	0.154	2	2.20	0.053	1.51	0.2	3.7	0.09	0.05	16	<0.1	<0.02	6.2	2.15	0.1
S192090	Rock	0.004	<0.5	1.1	1.17	5.4	0.001	<1	0.02	0.002	<0.01	<0.1	<0.1	<0.02	0.05	<5	0.3	0.22	<0.1	<0.02	<0.1

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Project: TRX15-01
Report Date: November 17, 2015

CERTIFICATE OF ANALYSIS SMI15000093.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192061	Drill Core	0.04	<0.02	13.4	0.2	<0.05	1.9	12.11	19.7	<0.02	<1	0.2	17.9	<10	3
S192062	Drill Core	0.03	<0.02	20.9	0.2	<0.05	1.2	9.97	19.6	<0.02	2	0.2	19.0	<10	<2
S192063	Drill Core	0.06	0.03	12.9	0.3	<0.05	2.0	8.87	15.7	0.03	<1	0.7	28.2	<10	<2
S192064	Drill Core	0.04	0.08	12.2	0.3	<0.05	1.7	8.53	12.8	0.03	<1	0.2	28.2	12	<2
S192065	Drill Core	0.09	0.09	5.3	0.3	<0.05	2.0	8.21	11.9	0.04	<1	<0.1	25.8	<10	<2
S192066	Drill Core	0.07	0.08	23.9	0.2	<0.05	2.0	8.06	11.7	0.04	2	0.3	23.0	12	<2
S192067	Drill Core	0.11	0.13	33.4	0.3	<0.05	3.9	8.83	12.4	<0.02	4	0.3	28.2	<10	<2
S192068	Drill Core	0.07	0.11	5.2	0.2	<0.05	2.6	7.85	12.0	0.03	2	0.5	30.1	15	<2
S192069	Drill Core	0.07	0.16	14.4	0.2	<0.05	3.0	7.15	9.0	<0.02	<1	0.3	24.2	<10	<2
S192070	Drill Core	0.07	0.11	34.8	0.3	<0.05	2.5	7.44	11.5	0.02	<1	0.1	26.2	<10	<2
S192071	Drill Core	0.09	0.06	40.6	0.3	<0.05	2.5	7.48	11.4	<0.02	<1	0.2	27.4	<10	<2
S192072	Drill Core	0.13	0.09	63.1	0.4	<0.05	4.8	8.03	13.7	0.03	2	0.5	34.2	<10	<2
S192073	Drill Core	0.16	0.23	16.6	0.2	<0.05	6.5	12.70	31.0	<0.02	3	0.3	8.6	11	<2
S192074	Drill Core	0.19	0.25	16.4	0.3	<0.05	7.6	11.43	29.0	<0.02	<1	0.8	8.8	<10	<2
S192075	Drill Core	0.28	0.35	16.8	0.4	<0.05	7.4	12.38	19.7	0.03	3	0.3	8.0	<10	<2
S192076	Drill Core	0.25	0.43	19.8	0.4	<0.05	6.7	12.12	21.1	0.03	1	0.3	10.6	<10	<2
S192077	Drill Core	0.12	0.06	35.7	0.2	<0.05	4.5	6.91	14.3	<0.02	2	0.4	27.1	<10	<2
S192078	Drill Core	0.15	0.06	35.9	0.3	<0.05	4.9	6.24	11.5	<0.02	2	0.3	25.7	<10	3
S192079	Drill Core	0.12	0.06	38.0	0.2	<0.05	4.1	6.39	12.5	<0.02	4	0.4	27.2	<10	3
S192080	Rock Pulp	0.02	0.17	14.8	0.6	<0.05	0.8	4.61	9.0	0.08	268	0.5	16.4	<10	<2
S192081	Drill Core	0.14	0.08	31.3	0.3	<0.05	5.1	6.16	13.5	<0.02	2	0.4	24.7	<10	2
S192082	Drill Core	0.09	0.04	43.2	0.3	<0.05	3.9	6.07	12.1	<0.02	2	0.4	25.4	11	<2
S192083	Drill Core	0.13	0.04	29.8	0.2	<0.05	4.4	5.93	12.2	<0.02	7	0.4	22.2	<10	3
S192084	Drill Core	0.17	0.05	27.9	0.2	<0.05	5.3	4.06	9.0	<0.02	<1	0.5	20.2	18	4
S192085 Dup of S192084	Core DUP	0.13	0.06	27.5	0.2	<0.05	5.0	4.10	9.2	<0.02	2	0.4	21.4	<10	4
S192086	Drill Core	0.11	0.07	26.2	0.1	<0.05	4.0	3.77	9.9	<0.02	<1	0.4	29.6	<10	<2
S192087	Drill Core	0.14	0.07	16.6	0.1	<0.05	5.5	4.15	9.1	<0.02	3	0.6	27.4	19	7
S192088	Drill Core	0.16	0.04	22.6	0.1	<0.05	4.6	3.75	9.5	<0.02	2	0.3	26.4	11	<2
S192089	Drill Core	0.10	0.05	37.4	0.2	<0.05	4.3	3.95	11.2	<0.02	<1	0.6	25.8	<10	5
S192090	Rock	<0.02	0.04	0.1	<0.1	<0.05	0.2	0.22	0.2	<0.02	2	<0.1	0.2	<10	<2

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CERTIFICATE OF ANALYSIS SMI15000093.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192091	Drill Core	3.03	1.37	175.55	15.46	75.4	496	75.5	35.0	1651	3.97	19.7	0.7	89.1	1.5	165.1	0.21	0.09	<0.02	144	6.96
S192092	Drill Core	3.86	1.21	163.29	10.50	61.7	300	66.6	26.7	1024	3.56	1.7	0.5	4.2	1.3	164.1	0.08	0.07	<0.02	110	5.02
S192093	Drill Core	3.56	2.76	156.96	4.27	50.8	122	67.7	26.6	694	3.50	1.7	0.6	<0.2	1.4	188.1	0.06	0.11	0.12	103	3.86
S192094	Drill Core	3.20	0.65	136.32	3.15	36.7	104	35.9	15.2	707	2.05	1.0	1.2	1.3	1.4	252.0	0.12	0.23	<0.02	63	8.51
S192095	Drill Core	3.92	1.02	15.99	17.07	85.5	68	9.7	5.5	866	2.58	0.5	0.5	0.5	2.5	103.4	0.19	0.11	0.17	26	2.16
S192096	Drill Core	4.99	0.16	6.02	15.41	77.6	43	5.7	4.6	825	2.42	0.3	0.6	<0.2	3.1	126.6	0.07	0.10	0.05	17	1.96
S192097	Drill Core	4.16	0.08	5.64	15.80	77.6	26	5.7	4.2	872	2.42	0.8	0.6	0.8	2.8	145.1	0.05	0.15	0.06	15	2.08
S192098	Drill Core	4.00	0.12	11.02	15.67	81.0	38	7.8	5.0	818	2.54	0.8	0.5	0.7	2.5	101.7	0.09	0.08	0.10	22	1.83
S192099	Drill Core	4.49	1.21	163.96	3.39	46.8	97	54.8	21.0	604	2.92	0.9	0.5	1.3	1.4	182.9	0.07	0.08	0.50	96	4.18
S192100	Drill Core	4.97	0.78	159.10	2.06	45.8	85	54.4	20.3	561	3.05	0.4	0.5	3.2	1.3	144.6	0.02	0.06	<0.02	102	2.75
S192101	Drill Core	4.34	0.67	167.29	1.93	50.7	108	58.0	22.0	609	3.35	1.6	0.5	7.4	1.4	148.9	0.03	0.17	<0.02	113	2.61
S192102	Drill Core	4.75	0.51	153.10	2.48	50.6	91	54.8	20.5	693	3.19	1.7	0.5	2.9	1.5	156.6	0.02	0.11	<0.02	105	3.33
S192103	Drill Core	2.90	0.14	9.33	15.69	73.5	38	7.8	4.5	723	2.18	0.7	0.6	1.7	3.3	114.4	0.07	0.15	0.11	18	1.92
S192104	Drill Core	1.99	0.07	10.42	15.70	71.7	35	7.5	4.9	719	2.22	0.6	0.7	0.9	5.4	139.8	0.08	0.13	0.09	18	1.98
S192105	Drill Core	1.04	0.08	7.33	14.17	72.3	34	6.8	4.8	751	2.21	0.8	0.7	0.9	5.8	131.6	0.07	0.11	0.10	17	1.95
S192106	Drill Core	2.75	1.30	170.50	4.39	53.3	47	57.0	22.0	809	3.34	1.4	0.6	5.8	1.5	193.0	0.02	0.15	<0.02	111	4.09
S192107	Drill Core	3.27	0.78	165.68	1.77	48.6	84	59.0	21.9	602	3.16	0.7	0.4	2.2	1.2	141.5	0.01	0.12	<0.02	101	2.59
S192108	Drill Core	3.09	0.28	158.13	1.80	47.8	84	56.8	21.8	589	3.09	0.6	0.5	2.3	1.3	147.4	0.03	0.07	<0.02	100	2.87
S192109	Drill Core	3.76	0.68	164.98	1.88	50.6	80	58.8	22.7	541	3.26	0.4	0.5	2.2	1.4	135.3	0.03	0.06	<0.02	106	2.21
S192110	Drill Core	2.46	4.37	129.84	3.67	42.2	84	48.9	19.4	786	2.63	2.2	0.6	4.4	1.2	251.3	0.06	0.18	<0.02	86	7.48
S192111	Drill Core	3.63	0.60	162.61	3.34	48.5	94	56.1	21.2	646	3.21	1.1	0.5	2.5	1.2	188.1	0.06	0.08	<0.02	106	4.38
S192112	Drill Core	3.91	1.61	157.15	3.56	45.9	100	55.1	21.7	624	3.04	1.6	0.5	2.2	1.2	197.6	0.03	0.06	<0.02	95	4.73
S192113	Drill Core	4.54	0.37	166.82	2.84	46.6	79	55.7	20.9	545	2.94	1.1	0.4	1.3	1.1	177.4	0.03	0.05	<0.02	91	3.23
S192114	Drill Core	4.25	1.93	155.40	2.88	47.5	88	54.0	21.0	633	3.14	1.2	0.5	2.1	1.2	164.9	0.04	0.06	<0.02	101	4.20
S192115	Drill Core	4.46	0.35	158.09	2.96	49.4	88	60.0	23.1	649	3.31	1.4	0.5	3.4	1.3	212.9	0.05	0.06	<0.02	111	4.22
S192116	Drill Core	3.99	0.57	156.33	3.24	46.8	98	59.6	22.8	752	3.28	3.5	0.6	3.3	1.3	245.5	0.05	0.18	<0.02	119	5.82
S192117	Drill Core	4.28	1.17	161.30	2.80	43.0	93	54.3	21.3	578	2.82	1.3	0.5	2.8	1.2	231.2	0.05	0.10	<0.02	97	5.01
S192118	Drill Core	3.55	0.40	156.08	3.52	48.0	102	50.2	20.9	773	3.21	2.6	0.7	2.1	1.3	241.1	0.03	0.13	0.02	113	7.01
S192119	Drill Core	2.34	0.46	94.51	2.81	66.4	96	41.2	24.7	891	4.23	7.7	0.4	4.4	1.3	304.7	0.05	0.26	<0.02	134	3.44
S192120	Rock Pulp	0.12	286.17	2497.51	81.14	453.6	2876	13.6	10.4	810	4.25	28.4	0.7	339.4	3.3	56.4	2.53	1.58	1.15	31	0.83

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Project: TRX15-01
Report Date: November 17, 2015

CERTIFICATE OF ANALYSIS SMI15000093.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192091	Drill Core	0.214	4.7	186.5	1.99	134.1	0.161	1	2.50	0.060	1.37	0.3	5.5	0.05	0.14	5	<0.1	0.03	8.4	1.08	0.1
S192092	Drill Core	0.221	5.3	163.3	1.96	115.4	0.170	2	2.18	0.046	1.42	0.3	4.2	0.12	0.17	<5	0.1	<0.02	6.6	2.49	<0.1
S192093	Drill Core	0.219	5.6	161.1	2.12	227.8	0.177	2	2.21	0.062	1.36	0.4	4.2	0.13	0.13	10	0.2	<0.02	6.3	2.94	0.1
S192094	Drill Core	0.206	3.8	107.4	1.03	86.0	0.108	4	1.23	0.058	0.47	0.6	2.8	0.07	0.07	8	<0.1	<0.02	3.6	0.98	0.1
S192095	Drill Core	0.098	7.7	17.7	0.70	106.6	0.124	3	1.48	0.050	0.75	0.2	2.6	0.27	0.06	13	<0.1	<0.02	6.0	1.30	<0.1
S192096	Drill Core	0.090	9.9	8.2	0.59	117.5	0.101	4	1.46	0.048	0.63	0.1	2.3	0.22	0.05	10	<0.1	<0.02	4.8	0.93	<0.1
S192097	Drill Core	0.095	10.3	6.6	0.60	95.3	0.083	5	1.46	0.041	0.45	<0.1	2.1	0.17	0.06	17	0.1	<0.02	4.8	0.70	<0.1
S192098	Drill Core	0.099	8.9	13.2	0.68	103.1	0.115	4	1.55	0.049	0.72	0.1	2.7	0.27	0.07	24	0.1	0.02	5.3	1.20	<0.1
S192099	Drill Core	0.232	6.0	140.2	1.84	104.5	0.153	2	1.92	0.060	1.31	0.2	3.2	0.11	0.03	11	<0.1	<0.02	5.5	1.90	<0.1
S192100	Drill Core	0.231	7.5	149.6	2.16	76.1	0.158	2	2.10	0.054	1.65	<0.1	2.9	0.11	<0.02	15	<0.1	0.02	5.8	2.36	<0.1
S192101	Drill Core	0.246	7.9	155.0	2.48	75.9	0.157	2	2.31	0.050	1.58	<0.1	4.3	0.13	<0.02	19	0.2	0.02	6.2	2.86	<0.1
S192102	Drill Core	0.224	7.9	149.3	2.28	88.6	0.157	2	2.18	0.050	1.46	0.1	3.5	0.13	<0.02	32	<0.1	<0.02	6.5	2.25	0.1
S192103	Drill Core	0.091	8.1	11.6	0.58	158.8	0.090	4	1.34	0.046	0.76	<0.1	2.1	0.19	0.07	23	0.2	0.02	4.6	1.43	<0.1
S192104	Drill Core	0.096	10.5	12.1	0.60	260.7	0.090	6	1.47	0.051	0.79	<0.1	2.4	0.19	0.07	27	0.3	<0.02	5.0	1.89	<0.1
S192105	Drill Core	0.089	10.6	10.0	0.57	233.2	0.090	4	1.36	0.044	0.71	<0.1	2.2	0.19	0.07	18	0.2	0.03	4.8	1.76	<0.1
S192106	Drill Core	0.223	7.1	150.9	2.44	37.7	0.122	3	2.05	0.042	0.47	0.1	4.5	0.04	0.02	30	<0.1	0.03	7.2	1.12	0.2
S192107	Drill Core	0.227	6.4	147.9	2.46	77.2	0.154	3	2.18	0.052	1.41	0.1	4.0	0.09	<0.02	<5	<0.1	0.03	6.0	2.33	0.1
S192108	Drill Core	0.232	7.1	150.8	2.30	74.3	0.150	2	2.11	0.053	1.39	0.1	3.8	0.08	<0.02	9	<0.1	<0.02	5.6	1.86	<0.1
S192109	Drill Core	0.231	7.6	148.5	2.46	67.6	0.142	3	2.21	0.048	1.41	0.1	3.9	0.08	<0.02	9	0.1	<0.02	6.7	1.98	0.1
S192110	Drill Core	0.188	3.9	119.3	1.47	117.7	0.151	4	1.65	0.053	0.77	0.3	3.6	0.04	0.12	21	<0.1	<0.02	4.9	0.99	0.1
S192111	Drill Core	0.212	4.5	131.8	1.96	163.3	0.173	3	2.05	0.062	1.37	0.2	4.1	0.06	0.04	8	0.1	0.03	5.9	1.24	0.1
S192112	Drill Core	0.221	4.3	124.3	1.81	125.4	0.172	3	1.89	0.067	1.17	0.2	3.8	0.05	0.11	23	<0.1	<0.02	5.4	0.99	<0.1
S192113	Drill Core	0.218	4.4	123.8	1.93	143.6	0.153	3	1.91	0.076	1.02	0.2	3.5	0.04	0.03	<5	0.1	<0.02	5.8	0.87	0.1
S192114	Drill Core	0.210	4.6	135.9	1.89	219.9	0.167	3	2.04	0.067	1.46	0.2	3.3	0.05	0.09	9	<0.1	<0.02	5.7	1.25	0.1
S192115	Drill Core	0.211	4.8	144.4	1.88	158.7	0.171	3	2.01	0.069	1.42	0.2	4.1	0.05	0.05	16	0.1	<0.02	5.6	1.84	0.1
S192116	Drill Core	0.207	5.7	143.6	1.82	107.0	0.165	2	1.96	0.055	1.33	0.2	5.3	0.06	0.09	48	0.2	<0.02	5.7	1.69	0.2
S192117	Drill Core	0.210	5.2	128.5	1.55	61.6	0.155	3	1.64	0.050	1.01	0.1	3.2	0.04	0.13	8	0.3	<0.02	5.2	1.00	<0.1
S192118	Drill Core	0.206	5.1	137.3	1.72	171.8	0.163	2	1.88	0.051	1.32	0.2	4.4	0.04	0.09	30	0.2	0.03	5.5	1.13	0.1
S192119	Drill Core	0.204	7.0	98.7	2.82	291.6	0.188	2	2.87	0.033	1.80	0.1	6.7	0.18	0.10	32	0.2	0.04	7.3	4.99	0.1
S192120	Rock Pulp	0.071	4.6	20.8	0.59	60.7	0.041	4	1.73	0.055	0.29	1.3	2.7	0.29	2.11	51	3.7	0.76	5.0	3.88	<0.1

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Project: TRX15-01
Report Date: November 17, 2015

CERTIFICATE OF ANALYSIS SMI15000093.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192091	Drill Core	0.18	0.07	26.3	0.2	<0.05	4.7	4.38	9.5	<0.02	3	0.6	27.5	12	3
S192092	Drill Core	0.12	0.07	40.7	0.2	<0.05	4.9	3.90	10.6	<0.02	<1	0.6	28.8	<10	8
S192093	Drill Core	0.22	0.06	40.3	0.2	<0.05	5.5	3.90	11.1	<0.02	2	0.3	34.3	<10	<2
S192094	Drill Core	0.14	0.07	15.2	<0.1	<0.05	5.2	3.21	7.7	<0.02	<1	0.2	12.0	<10	<2
S192095	Drill Core	0.10	0.29	37.1	0.5	<0.05	3.2	6.78	16.2	<0.02	3	0.4	14.8	<10	<2
S192096	Drill Core	0.11	0.40	29.2	0.5	<0.05	2.8	7.92	21.1	0.03	1	0.2	14.7	<10	<2
S192097	Drill Core	0.14	0.33	20.3	0.4	<0.05	2.3	8.02	21.1	<0.02	<1	0.4	13.2	<10	<2
S192098	Drill Core	0.11	0.30	37.4	0.5	<0.05	2.5	7.29	18.0	<0.02	<1	0.2	16.0	<10	<2
S192099	Drill Core	0.13	0.04	40.1	0.2	<0.05	4.1	3.98	11.2	<0.02	1	0.5	24.3	<10	4
S192100	Drill Core	0.09	0.03	51.2	0.2	<0.05	3.4	4.44	14.0	<0.02	<1	0.4	26.0	<10	3
S192101	Drill Core	0.10	0.03	51.0	0.2	<0.05	4.2	4.93	14.4	<0.02	<1	0.4	30.6	<10	3
S192102	Drill Core	0.11	0.04	45.4	0.2	<0.05	3.9	5.38	14.6	<0.02	<1	0.2	26.6	<10	3
S192103	Drill Core	0.08	0.28	30.6	0.4	<0.05	1.8	6.25	16.9	<0.02	<1	0.4	11.8	<10	<2
S192104	Drill Core	0.09	0.30	32.1	0.4	<0.05	2.6	7.30	21.8	<0.02	<1	0.5	11.6	<10	<2
S192105	Drill Core	0.09	0.32	29.1	0.6	<0.05	2.2	7.28	21.9	<0.02	1	0.6	10.8	<10	<2
S192106	Drill Core	0.15	0.04	14.1	0.2	<0.05	4.4	5.25	13.6	<0.02	<1	0.5	22.2	<10	5
S192107	Drill Core	0.14	0.05	42.9	0.2	<0.05	4.5	4.13	11.9	<0.02	<1	0.6	29.7	<10	5
S192108	Drill Core	0.12	0.05	42.2	0.2	<0.05	3.9	4.70	13.8	<0.02	<1	0.3	28.0	<10	5
S192109	Drill Core	0.12	0.05	44.1	0.2	<0.05	3.5	4.67	14.2	<0.02	<1	0.8	29.1	10	3
S192110	Drill Core	0.16	0.07	20.3	0.1	<0.05	5.3	3.59	7.8	<0.02	<1	0.6	18.2	<10	3
S192111	Drill Core	0.12	0.05	34.9	0.2	<0.05	5.0	3.35	8.6	<0.02	<1	0.8	26.7	<10	4
S192112	Drill Core	0.15	0.08	29.8	0.2	<0.05	4.6	3.38	8.4	<0.02	<1	0.6	25.5	<10	5
S192113	Drill Core	0.15	0.07	24.4	0.1	<0.05	4.4	3.24	8.4	<0.02	<1	0.5	26.4	<10	3
S192114	Drill Core	0.13	0.06	33.9	0.1	<0.05	3.9	3.46	8.9	<0.02	<1	0.4	29.9	<10	7
S192115	Drill Core	0.15	0.06	35.5	0.2	<0.05	4.2	3.74	9.3	<0.02	<1	0.5	24.6	<10	6
S192116	Drill Core	0.14	0.05	35.1	0.2	<0.05	4.3	4.36	10.8	<0.02	<1	0.5	24.3	<10	4
S192117	Drill Core	0.14	0.07	29.3	0.2	<0.05	4.1	3.73	9.9	<0.02	<1	0.3	22.0	<10	5
S192118	Drill Core	0.13	0.06	26.7	0.2	<0.05	4.1	3.92	9.5	<0.02	<1	0.4	22.2	<10	5
S192119	Drill Core	0.08	0.02	53.4	0.2	<0.05	3.0	6.36	13.9	<0.02	<1	0.7	29.1	11	3
S192120	Rock Pulp	<0.02	0.17	14.7	0.7	<0.05	0.9	4.91	9.5	0.11	273	0.5	17.7	<10	<2

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CERTIFICATE OF ANALYSIS SMI15000093.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192121	Drill Core	3.44	0.82	153.28	3.26	49.7	104	50.4	21.3	684	3.20	5.7	0.6	6.1	1.4	269.6	0.05	0.32	<0.02	112	4.96
S192122	Drill Core	4.50	0.62	165.42	2.78	49.0	96	59.4	22.0	609	3.28	6.7	0.6	2.6	1.4	249.8	0.03	0.32	<0.02	117	3.74
S192123	Drill Core	4.36	0.43	167.59	2.27	47.5	96	59.8	22.1	561	3.17	1.8	0.5	2.2	1.2	196.4	0.03	0.09	<0.02	105	2.26
S192124	Drill Core	1.94	0.54	175.90	1.75	48.3	97	56.9	21.2	529	3.13	1.0	0.4	2.1	1.1	172.0	0.02	0.05	<0.02	102	1.55
S192125 Dup of S192124	Core DUP	<0.01	0.55	172.53	1.66	47.1	87	57.0	21.3	516	3.09	0.7	0.4	2.6	1.1	160.0	0.02	0.04	<0.02	99	1.54
S192126	Drill Core	4.37	0.66	174.94	1.79	43.7	82	54.7	19.8	492	2.90	0.7	0.4	2.6	1.2	161.1	0.02	0.04	<0.02	98	1.64
S192127	Drill Core	3.26	0.49	168.70	1.68	45.6	85	55.9	20.8	557	3.01	0.5	0.5	2.0	1.2	187.4	0.02	0.02	<0.02	104	1.99
S192128	Drill Core	4.44	0.56	168.12	1.98	43.7	81	56.1	20.4	519	2.97	0.6	0.4	2.8	1.1	165.6	0.02	0.03	<0.02	99	2.00
S192129	Drill Core	2.83	0.33	172.77	2.62	45.1	94	53.0	20.1	560	2.96	0.9	0.4	3.0	1.2	235.2	0.03	0.05	<0.02	99	3.22
S192130	Rock	0.91	0.04	0.65	0.10	0.2	7	1.0	0.2	15	0.03	0.3	1.4	0.4	<0.1	3416.5	<0.01	<0.02	<0.02	<2	33.54
S192131	Drill Core	3.07	0.44	160.40	2.43	45.5	78	55.0	20.7	553	2.95	1.1	0.4	1.9	1.0	180.4	0.04	0.03	<0.02	94	2.45
S192132	Drill Core	3.06	0.34	162.15	1.94	46.2	76	57.2	20.9	485	2.94	1.1	0.4	4.2	0.9	166.0	0.02	0.04	<0.02	87	1.51
S192133	Drill Core	3.08	0.40	165.35	2.65	46.6	90	54.1	20.6	481	3.07	1.0	0.4	5.0	0.9	184.1	0.04	0.04	0.03	94	1.78
S192134	Drill Core	3.34	0.31	160.10	2.66	41.6	87	52.0	20.1	520	2.92	1.7	0.5	2.9	1.2	198.6	0.05	0.05	<0.02	91	3.95
S192135	Drill Core	2.69	2.58	131.31	3.44	47.5	97	50.5	19.9	645	3.04	1.6	0.4	2.4	1.2	223.1	0.06	0.06	<0.02	93	5.40
S192136	Drill Core	2.99	2.70	111.76	4.33	50.8	116	44.7	18.4	781	3.27	1.5	0.4	1.4	1.2	212.3	0.06	0.07	<0.02	100	7.43
S192137	Drill Core	3.15	0.25	154.93	4.23	49.1	167	56.9	21.5	564	3.10	1.2	0.4	4.4	1.0	200.4	0.04	0.05	<0.02	98	3.00
S192138	Drill Core	3.18	0.29	149.52	10.36	53.5	316	47.0	18.2	648	2.88	1.5	0.6	3.7	1.2	215.7	0.13	0.07	<0.02	92	5.77
S192139	Drill Core	3.16	0.72	172.76	2.82	47.5	131	56.6	21.1	560	3.08	1.0	0.5	1.1	1.2	224.7	0.04	0.04	<0.02	102	3.40
S192140	Drill Core	2.07	0.63	145.69	9.99	76.6	369	61.3	24.7	1529	3.95	2.6	0.4	4.3	1.3	190.6	0.09	0.04	<0.02	127	6.35
S192141	Drill Core	4.53	1.39	33.19	3.36	91.5	73	8.6	15.1	1057	3.60	2.8	0.1	2.1	0.3	124.5	0.11	0.08	<0.02	99	1.83
S192142	Drill Core	3.47	0.86	44.90	1.23	55.6	59	9.1	15.0	706	3.34	1.7	0.2	0.5	0.4	154.6	0.01	0.09	<0.02	97	1.83
S192143	Drill Core	3.87	0.49	159.08	2.64	53.4	118	59.0	22.2	659	3.40	2.1	0.5	1.3	1.3	243.9	0.06	0.05	<0.02	111	4.57
S192144	Drill Core	3.75	0.76	183.70	2.41	47.8	97	54.7	19.9	566	2.92	1.1	0.5	0.6	1.2	238.3	0.04	0.04	<0.02	100	4.58
S192145	Drill Core	2.24	2.12	182.63	5.59	60.9	99	57.5	20.8	562	2.99	1.1	0.5	1.2	1.2	242.0	0.08	0.07	<0.02	100	4.43
S192146	Drill Core	4.64	0.61	183.85	2.55	49.2	96	54.4	20.4	590	2.96	1.3	0.6	0.4	1.1	260.2	0.03	0.03	<0.02	102	4.53
S192147	Drill Core	4.87	0.50	161.29	2.05	46.8	93	55.9	20.9	581	3.03	1.2	0.4	2.1	1.1	225.8	0.05	<0.02	<0.02	102	4.78
S192148	Drill Core	4.46	0.56	150.63	2.51	46.7	88	55.5	20.8	604	3.08	1.3	0.5	<0.2	1.1	245.3	0.04	0.04	<0.02	105	4.85
S192149	Drill Core	4.65	0.28	169.27	2.92	42.6	102	53.9	19.7	626	2.99	1.6	0.6	0.5	1.2	312.1	0.04	0.07	<0.02	100	5.68
S192150	Drill Core	4.63	0.34	165.86	2.74	42.9	97	57.5	19.9	567	2.94	1.8	0.6	1.0	1.3	261.7	0.06	0.04	<0.02	95	4.85

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Project: TRX15-01
Report Date: November 17, 2015

CERTIFICATE OF ANALYSIS SMI15000093.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192121	Drill Core	0.214	6.1	141.9	1.78	94.8	0.148	3	1.93	0.043	1.05	0.2	4.5	0.09	0.06	74	<0.1	<0.02	5.7	1.78	0.1
S192122	Drill Core	0.237	7.0	154.7	2.00	66.6	0.162	2	2.07	0.052	1.40	0.1	5.0	0.07	0.03	85	<0.1	<0.02	6.2	1.75	0.1
S192123	Drill Core	0.222	5.4	147.0	2.30	149.6	0.174	3	2.23	0.075	1.54	0.1	4.6	0.05	0.02	18	<0.1	0.02	6.4	2.02	0.1
S192124	Drill Core	0.233	4.9	149.0	2.35	113.7	0.162	3	2.21	0.064	1.73	0.1	3.9	0.06	0.02	12	<0.1	0.03	6.3	3.95	0.1
S192125 Dup of S192124	Core DUP	0.234	4.8	143.7	2.33	105.9	0.143	3	2.18	0.061	1.74	0.1	3.6	0.06	0.02	9	<0.1	<0.02	6.0	3.80	0.1
S192126	Drill Core	0.233	6.4	143.2	2.17	66.8	0.151	3	2.13	0.062	1.74	0.1	3.0	0.06	<0.02	13	0.1	<0.02	5.8	3.19	0.1
S192127	Drill Core	0.236	7.6	142.8	2.24	74.4	0.157	2	2.22	0.062	1.77	0.1	3.0	0.05	<0.02	7	<0.1	<0.02	6.1	3.38	<0.1
S192128	Drill Core	0.229	5.1	138.5	2.16	109.6	0.173	2	2.15	0.068	1.71	0.1	3.4	0.06	0.02	8	<0.1	0.03	5.6	2.49	0.2
S192129	Drill Core	0.214	4.4	152.2	1.94	171.6	0.169	2	1.92	0.073	1.32	0.2	4.1	0.04	0.04	6	<0.1	<0.02	5.2	1.75	0.1
S192130	Rock	0.003	<0.5	0.9	1.07	4.2	0.001	<1	0.03	0.002	<0.01	<0.1	0.2	<0.02	0.10	<5	<0.1	0.21	<0.1	<0.02	<0.1
S192131	Drill Core	0.221	3.8	123.3	2.17	166.4	0.152	2	2.01	0.077	1.22	0.1	4.1	0.04	0.03	10	<0.1	0.06	5.5	1.17	<0.1
S192132	Drill Core	0.224	4.0	140.2	2.22	60.3	0.145	2	2.02	0.046	1.33	<0.1	3.1	0.06	0.02	<5	<0.1	<0.02	5.4	1.61	0.1
S192133	Drill Core	0.224	3.9	130.8	2.17	94.0	0.165	3	2.04	0.057	1.58	0.2	3.3	0.06	0.03	<5	0.2	<0.02	5.2	2.25	0.1
S192134	Drill Core	0.212	3.9	142.0	1.74	160.3	0.182	4	1.75	0.080	1.23	0.3	3.5	0.04	0.20	<5	<0.1	<0.02	4.6	1.10	0.1
S192135	Drill Core	0.211	4.5	129.9	1.73	117.9	0.178	4	1.85	0.052	1.38	0.3	3.5	0.05	0.15	<5	<0.1	<0.02	5.0	1.46	0.1
S192136	Drill Core	0.221	4.4	134.8	1.78	186.7	0.182	4	2.03	0.038	1.62	0.4	3.2	0.06	0.12	<5	<0.1	<0.02	5.1	1.13	0.1
S192137	Drill Core	0.217	4.2	127.5	2.15	113.9	0.174	2	2.05	0.059	1.40	0.2	3.3	0.06	0.06	<5	<0.1	<0.02	5.8	1.27	0.2
S192138	Drill Core	0.212	4.2	149.4	1.35	163.9	0.166	2	1.44	0.064	1.02	0.3	3.1	0.05	0.10	<5	0.2	<0.02	4.2	1.02	0.1
S192139	Drill Core	0.216	5.7	139.1	1.96	64.0	0.170	2	2.01	0.054	1.60	0.1	3.4	0.09	0.02	<5	<0.1	<0.02	5.5	1.68	0.1
S192140	Drill Core	0.212	5.3	175.7	2.24	245.0	0.199	2	2.30	0.062	1.81	0.2	5.1	0.08	0.15	10	0.2	<0.02	7.0	1.65	<0.1
S192141	Drill Core	0.138	2.9	12.7	1.36	151.4	0.182	8	1.76	0.119	0.81	0.1	3.7	0.05	0.33	5	0.1	0.05	5.9	0.87	<0.1
S192142	Drill Core	0.148	3.4	16.7	1.32	113.8	0.187	6	1.72	0.142	0.77	0.1	4.0	0.05	0.26	<5	<0.1	<0.02	5.6	0.67	0.1
S192143	Drill Core	0.224	5.2	159.7	1.91	154.2	0.190	3	1.96	0.066	1.44	<0.1	4.2	0.05	0.04	<5	0.1	<0.02	5.8	1.65	0.1
S192144	Drill Core	0.220	5.1	153.7	1.66	80.9	0.171	3	1.73	0.071	1.38	<0.1	3.7	0.04	0.02	<5	<0.1	<0.02	5.2	1.62	<0.1
S192145	Drill Core	0.223	5.4	155.3	1.65	79.3	0.167	2	1.71	0.058	1.37	<0.1	3.2	0.06	0.02	<5	0.1	<0.02	5.4	1.52	0.1
S192146	Drill Core	0.217	4.8	150.2	1.69	78.8	0.178	2	1.79	0.078	1.37	<0.1	3.8	0.05	0.03	<5	<0.1	<0.02	5.4	1.80	0.1
S192147	Drill Core	0.220	4.7	151.3	1.51	65.7	0.177	3	1.68	0.059	1.39	0.1	3.5	0.05	0.09	<5	<0.1	<0.02	5.0	2.03	0.1
S192148	Drill Core	0.221	5.0	143.3	1.77	89.9	0.175	4	1.84	0.069	1.44	0.1	4.0	0.04	0.04	<5	0.2	0.07	5.6	1.72	0.2
S192149	Drill Core	0.214	4.9	154.5	1.61	134.6	0.168	5	1.69	0.067	1.17	0.1	4.2	0.03	0.05	5	0.2	<0.02	5.2	1.81	0.1
S192150	Drill Core	0.219	4.7	157.4	1.55	169.5	0.171	4	1.66	0.081	1.19	0.1	4.1	0.03	0.04	<5	0.2	0.06	5.1	1.09	0.1

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Project: TRX15-01
Report Date: November 17, 2015

CERTIFICATE OF ANALYSIS SMI15000093.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192121	Drill Core	0.16	0.03	32.7	0.2	<0.05	4.2	4.63	11.7	<0.02	<1	0.6	20.3	<10	<2
S192122	Drill Core	0.14	0.04	39.2	0.2	<0.05	3.9	4.79	13.0	<0.02	1	0.5	25.2	<10	3
S192123	Drill Core	0.15	0.05	37.0	0.2	<0.05	4.2	3.85	10.2	<0.02	<1	0.6	29.9	<10	4
S192124	Drill Core	0.13	0.06	54.8	0.2	<0.05	4.3	3.53	9.4	<0.02	1	0.6	33.2	<10	5
S192125 Dup of S192124	Core DUP	0.09	0.04	52.5	0.2	<0.05	3.5	3.37	8.9	<0.02	<1	0.4	33.2	<10	3
S192126	Drill Core	0.10	0.04	57.4	0.1	<0.05	3.4	3.99	12.1	<0.02	<1	0.3	31.9	16	4
S192127	Drill Core	0.13	0.04	55.9	0.2	<0.05	4.0	4.62	13.9	<0.02	<1	0.3	34.6	16	4
S192128	Drill Core	0.11	0.06	47.8	0.2	<0.05	3.9	3.50	9.6	<0.02	<1	0.5	28.0	<10	6
S192129	Drill Core	0.17	0.05	30.6	0.2	<0.05	4.8	3.24	8.4	<0.02	<1	0.6	22.7	<10	5
S192130	Rock	<0.02	0.03	0.2	<0.1	<0.05	0.1	0.17	0.2	<0.02	<1	<0.1	0.2	<10	<2
S192131	Drill Core	0.14	0.07	27.4	0.1	<0.05	3.8	2.95	7.2	<0.02	<1	0.4	25.9	<10	6
S192132	Drill Core	0.12	0.04	34.3	0.2	<0.05	3.4	2.81	7.7	<0.02	1	0.5	27.7	<10	5
S192133	Drill Core	0.12	0.04	38.4	0.1	<0.05	3.7	2.67	7.2	<0.02	3	0.4	26.4	10	4
S192134	Drill Core	0.15	0.06	25.0	0.1	<0.05	5.1	3.07	7.5	<0.02	2	0.4	18.6	<10	6
S192135	Drill Core	0.12	0.07	35.0	0.2	<0.05	4.7	3.29	8.5	<0.02	1	0.6	16.7	11	<2
S192136	Drill Core	0.14	0.06	34.7	0.1	<0.05	4.0	3.50	8.6	<0.02	2	0.5	20.1	14	4
S192137	Drill Core	0.11	0.04	31.2	0.2	<0.05	4.2	3.12	8.1	<0.02	2	0.4	22.3	<10	6
S192138	Drill Core	0.13	0.06	25.1	0.2	<0.05	4.8	3.45	8.1	<0.02	1	0.6	13.3	<10	5
S192139	Drill Core	0.13	0.04	43.4	0.2	<0.05	3.7	3.80	10.5	<0.02	<1	0.3	20.9	<10	<2
S192140	Drill Core	0.12	0.11	39.8	0.2	<0.05	3.9	3.92	10.1	<0.02	2	0.8	25.1	10	7
S192141	Drill Core	0.13	0.05	21.5	0.2	<0.05	3.8	5.69	6.7	<0.02	2	<0.1	13.2	<10	<2
S192142	Drill Core	0.22	0.08	20.8	0.2	<0.05	5.7	6.21	7.8	0.02	1	0.2	10.7	<10	<2
S192143	Drill Core	0.13	0.05	32.7	0.2	<0.05	4.9	3.78	10.2	<0.02	<1	0.5	19.5	<10	2
S192144	Drill Core	0.17	0.06	33.8	0.1	<0.05	4.1	3.59	9.8	<0.02	2	0.1	19.1	<10	4
S192145	Drill Core	0.13	0.05	32.7	0.2	<0.05	3.9	3.43	10.1	<0.02	<1	0.6	19.9	<10	4
S192146	Drill Core	0.12	0.07	36.0	0.1	<0.05	4.8	3.54	9.5	<0.02	<1	0.5	21.3	<10	2
S192147	Drill Core	0.13	0.05	37.5	0.1	<0.05	4.3	3.42	9.0	<0.02	1	0.5	17.4	13	7
S192148	Drill Core	0.15	0.06	34.1	0.1	<0.05	4.3	3.70	9.6	<0.02	<1	0.4	20.8	<10	3
S192149	Drill Core	0.14	0.05	26.7	0.2	<0.05	5.3	3.56	9.4	<0.02	<1	<0.1	19.9	14	3
S192150	Drill Core	0.15	0.06	23.5	0.1	<0.05	5.4	3.48	9.2	<0.02	<1	0.5	18.6	<10	5

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CERTIFICATE OF ANALYSIS SMI15000093.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192151	Drill Core	3.67	1.07	165.83	2.96	44.7	109	58.5	21.2	602	3.23	1.7	0.5	<0.2	1.1	254.8	0.03	0.05	<0.02	102	4.22

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	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192151	Drill Core	0.223	4.0	165.8	1.94	238.9	0.187	4	1.96	0.078	1.46	0.1	3.9	0.03	0.03	6	0.2	<0.02	5.5	2.04	0.1

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	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192151	Drill Core	0.20	0.05	29.2	0.2	<0.05	5.1	3.37	7.9	<0.02	<1	0.4	21.5	<10	3

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QUALITY CONTROL REPORT SMI15000093.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
Pulp Duplicates																					
S192016	Drill Core	3.43	22.02	54.37	25.64	98.9	329	63.4	11.6	559	2.95	4.1	0.6	<0.2	1.8	291.3	0.75	2.02	0.10	39	7.98
REP S192016	QC		22.09	58.37	25.80	104.1	350	64.8	11.7	568	2.95	4.4	0.6	<0.2	1.7	301.2	0.82	1.99	0.11	38	8.05
S192051	Drill Core	3.04	1.44	76.80	4.70	71.4	112	12.7	20.5	635	3.95	10.2	0.3	<0.2	1.0	179.0	0.19	0.08	0.06	97	2.51
REP S192051	QC		1.57	80.00	5.00	72.1	116	13.3	22.5	673	4.07	9.8	0.4	0.6	1.1	179.1	0.17	0.07	0.08	102	2.65
S192086	Drill Core	4.00	1.01	146.20	6.02	53.6	79	60.8	24.2	585	3.26	5.8	0.5	0.6	1.5	122.6	0.04	0.09	<0.02	99	3.62
REP S192086	QC		0.97	146.64	5.92	53.3	78	59.0	23.8	562	3.18	5.5	0.5	0.9	1.5	120.1	0.05	0.09	<0.02	97	3.55
S192121	Drill Core	3.44	0.82	153.28	3.26	49.7	104	50.4	21.3	684	3.20	5.7	0.6	6.1	1.4	269.6	0.05	0.32	<0.02	112	4.96
REP S192121	QC		0.78	155.24	3.28	51.2	115	51.6	20.3	687	3.22	6.0	0.6	2.6	1.3	264.2	0.07	0.31	<0.02	111	4.95
Core Reject Duplicates																					
S192033	Drill Core	1.88	1.89	55.36	9.37	86.9	167	13.8	18.6	714	3.70	371.5	0.3	<0.2	1.0	165.8	0.20	19.07	0.04	57	4.48
DUP S192033	QC		1.94	52.76	9.11	81.8	169	13.7	17.8	672	3.63	366.9	0.3	0.2	1.0	155.5	0.19	16.63	0.04	57	4.34
S192067	Drill Core	3.62	1.67	125.76	4.48	72.8	211	21.2	24.4	1143	4.73	4.2	0.3	1.0	1.0	159.7	0.06	0.36	<0.02	152	5.32
DUP S192067	QC		1.53	128.26	4.40	73.0	202	22.5	24.9	1165	4.79	4.1	0.3	0.5	1.0	159.9	0.08	0.37	<0.02	154	5.36
S192101	Drill Core	4.34	0.67	167.29	1.93	50.7	108	58.0	22.0	609	3.35	1.6	0.5	7.4	1.4	148.9	0.03	0.17	<0.02	113	2.61
DUP S192101	QC		0.64	164.12	1.92	51.6	102	59.3	21.6	615	3.32	1.6	0.5	9.7	1.3	149.8	0.03	0.16	<0.02	114	2.57
S192135	Drill Core	2.69	2.58	131.31	3.44	47.5	97	50.5	19.9	645	3.04	1.6	0.4	2.4	1.2	223.1	0.06	0.06	<0.02	93	5.40
DUP S192135	QC		2.24	131.49	3.39	48.5	95	50.2	19.7	645	3.10	1.5	0.4	4.2	1.2	233.3	0.06	0.06	<0.02	95	5.56
Reference Materials																					
STD DS10	Standard		15.20	155.82	160.12	374.7	1990	73.9	12.9	900	2.75	44.4	2.9	84.0	7.9	69.7	2.68	9.53	14.23	43	1.07
STD DS10	Standard		15.86	155.22	166.19	382.2	2056	77.6	13.6	929	2.80	46.7	3.0	80.3	8.2	72.3	2.65	10.37	13.26	44	1.09
STD DS10	Standard		16.08	156.92	166.25	370.5	2050	76.4	13.9	941	2.87	50.1	3.1	135.0	8.7	76.5	2.65	9.60	13.46	48	1.10
STD DS10	Standard		15.03	150.28	160.98	377.3	2033	73.1	12.4	889	2.75	47.8	2.9	80.7	8.3	72.9	2.74	9.57	13.23	44	1.07
STD DS10	Standard		15.34	155.38	153.77	368.0	2040	76.1	12.4	883	2.80	46.2	2.9	91.6	7.8	74.1	2.61	8.26	13.01	43	1.09
STD OXC129	Standard		1.40	27.31	6.75	42.0	22	79.7	19.9	444	2.98	0.1	0.7	194.3	2.0	196.0	0.05	0.03	<0.02	50	0.64
STD OXC129	Standard		1.28	27.53	6.52	40.0	23	80.0	20.0	433	2.99	0.6	0.7	201.2	1.9	189.6	0.03	0.04	<0.02	51	0.65
STD OXC129	Standard		1.43	27.04	6.66	38.2	18	80.3	20.3	453	3.03	0.6	0.7	195.3	1.9	206.5	0.01	0.04	<0.02	54	0.71
STD OXC129	Standard		1.24	27.21	6.34	41.5	16	77.3	19.5	434	2.98	0.3	0.7	191.1	1.8	180.2	0.03	0.04	<0.02	54	0.61
STD OXC129	Standard		1.24	28.68	6.71	41.4	20	79.4	20.4	412	3.15	0.9	0.8	207.2	2.0	201.9	0.04	0.03	<0.02	51	0.70

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Project: TRX15-01
Report Date: November 17, 2015

QUALITY CONTROL REPORT SMI15000093.1

Method		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
MDL		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
Pulp Duplicates																					
S192016	Drill Core	0.146	10.5	16.1	0.79	97.2	0.096	3	1.32	0.019	0.26	0.2	2.7	0.22	1.77	44	2.8	<0.02	2.4	0.69	<0.1
REP S192016	QC	0.151	10.6	16.2	0.80	97.8	0.093	3	1.30	0.019	0.26	0.3	2.9	0.22	1.79	57	3.0	<0.02	2.7	0.68	<0.1
S192051	Drill Core	0.143	5.0	17.6	1.36	211.2	0.171	1	2.38	0.101	0.82	0.4	3.8	0.15	0.08	<5	<0.1	<0.02	7.3	1.42	0.1
REP S192051	QC	0.154	5.5	19.2	1.41	215.1	0.194	3	2.50	0.104	0.84	0.4	3.9	0.15	0.08	<5	<0.1	<0.02	7.7	1.52	0.2
S192086	Drill Core	0.215	5.1	168.0	1.75	149.2	0.147	2	2.11	0.080	1.12	0.1	3.8	0.09	0.03	<5	<0.1	0.03	6.6	0.78	0.1
REP S192086	QC	0.213	4.8	162.4	1.73	146.6	0.140	2	2.09	0.076	1.10	0.2	3.9	0.08	0.03	<5	<0.1	<0.02	7.0	0.76	0.1
S192121	Drill Core	0.214	6.1	141.9	1.78	94.8	0.148	3	1.93	0.043	1.05	0.2	4.5	0.09	0.06	74	<0.1	<0.02	5.7	1.78	0.1
REP S192121	QC	0.218	5.9	145.3	1.79	93.3	0.147	3	1.92	0.043	1.06	0.2	4.3	0.09	0.06	80	<0.1	<0.02	5.9	1.82	0.1
Core Reject Duplicates																					
S192033	Drill Core	0.142	6.8	14.1	1.35	66.5	0.005	2	1.69	0.046	0.19	0.2	3.4	0.13	2.01	39	0.8	<0.02	5.4	0.80	<0.1
DUP S192033	QC	0.134	6.8	13.8	1.32	70.2	0.005	2	1.70	0.051	0.21	0.2	3.4	0.13	1.99	35	0.9	<0.02	5.5	0.76	<0.1
S192067	Drill Core	0.161	5.6	47.3	1.92	104.2	0.195	3	2.87	0.063	0.78	0.3	9.4	0.17	0.10	6	<0.1	0.03	10.9	2.50	0.2
DUP S192067	QC	0.164	5.6	48.1	1.96	104.7	0.192	2	2.89	0.056	0.79	0.2	9.5	0.17	0.09	10	<0.1	0.03	11.4	2.71	0.1
S192101	Drill Core	0.246	7.9	155.0	2.48	75.9	0.157	2	2.31	0.050	1.58	<0.1	4.3	0.13	<0.02	19	0.2	0.02	6.2	2.86	<0.1
DUP S192101	QC	0.230	7.7	152.2	2.49	75.2	0.157	3	2.32	0.051	1.56	0.1	4.3	0.12	<0.02	17	<0.1	<0.02	6.2	2.84	0.1
S192135	Drill Core	0.211	4.5	129.9	1.73	117.9	0.178	4	1.85	0.052	1.38	0.3	3.5	0.05	0.15	<5	<0.1	<0.02	5.0	1.46	0.1
DUP S192135	QC	0.218	4.4	130.8	1.76	111.8	0.181	4	1.89	0.057	1.38	0.3	3.6	0.06	0.15	<5	<0.1	<0.02	5.2	1.43	0.2
Reference Materials																					
STD DS10	Standard	0.075	17.3	56.5	0.79	349.0	0.081	7	1.06	0.069	0.34	3.4	2.7	5.19	0.27	326	2.2	5.59	4.4	2.67	<0.1
STD DS10	Standard	0.077	18.7	58.5	0.79	391.8	0.085	9	1.08	0.070	0.34	3.7	3.3	5.44	0.28	348	2.1	5.14	4.4	2.81	<0.1
STD DS10	Standard	0.081	19.3	58.3	0.81	397.8	0.088	7	1.04	0.079	0.36	3.7	3.5	5.57	0.28	303	2.2	5.50	4.6	2.93	<0.1
STD DS10	Standard	0.080	18.7	52.6	0.78	390.0	0.079	6	1.06	0.069	0.33	3.6	3.2	5.35	0.27	317	2.2	4.86	4.8	2.84	<0.1
STD DS10	Standard	0.079	18.3	55.0	0.79	354.3	0.080	7	1.09	0.070	0.34	3.1	3.0	5.38	0.28	287	2.2	5.10	4.4	2.73	<0.1
STD OXC129	Standard	0.095	12.7	52.8	1.52	47.9	0.409	<1	1.51	0.584	0.36	<0.1	1.0	0.03	<0.02	<5	<0.1	<0.02	5.4	0.16	<0.1
STD OXC129	Standard	0.100	12.0	52.0	1.55	49.4	0.394	<1	1.53	0.587	0.35	<0.1	0.8	0.03	<0.02	<5	<0.1	<0.02	5.7	0.15	<0.1
STD OXC129	Standard	0.104	12.5	52.4	1.57	51.7	0.403	<1	1.68	0.620	0.36	<0.1	1.0	0.04	<0.02	<5	<0.1	<0.02	5.9	0.16	<0.1
STD OXC129	Standard	0.104	12.5	47.8	1.55	48.4	0.371	1	1.51	0.583	0.35	0.1	1.0	0.03	<0.02	10	<0.1	<0.02	5.1	0.16	<0.1
STD OXC129	Standard	0.105	12.5	52.3	1.59	48.3	0.405	1	1.59	0.606	0.37	<0.1	1.1	0.03	<0.02	<5	<0.1	0.03	5.7	0.15	0.1

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Method		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates															
S192016	Drill Core	0.28	0.13	8.5	0.2	<0.05	9.3	13.64	18.5	0.03	18	0.3	12.1	<10	3
REP S192016	QC	0.21	0.11	8.3	0.2	<0.05	9.2	14.37	18.4	<0.02	16	0.4	12.2	<10	<2
S192051	Drill Core	0.16	0.11	33.0	0.2	<0.05	6.0	6.94	11.0	<0.02	<1	0.3	14.1	<10	<2
REP S192051	QC	0.21	0.10	35.5	0.2	<0.05	6.1	7.39	12.0	<0.02	<1	0.3	14.9	13	<2
S192086	Drill Core	0.11	0.07	26.2	0.1	<0.05	4.0	3.77	9.9	<0.02	<1	0.4	29.6	<10	<2
REP S192086	QC	0.13	0.06	24.9	<0.1	<0.05	3.9	3.83	9.6	<0.02	3	0.3	29.6	14	<2
S192121	Drill Core	0.16	0.03	32.7	0.2	<0.05	4.2	4.63	11.7	<0.02	<1	0.6	20.3	<10	<2
REP S192121	QC	0.15	0.03	32.7	0.2	<0.05	4.3	4.42	11.6	<0.02	<1	0.5	21.7	<10	5
Core Reject Duplicates															
S192033	Drill Core	<0.02	<0.02	7.7	0.1	<0.05	1.5	9.85	14.1	<0.02	2	0.5	18.0	<10	<2
DUP S192033	QC	0.02	<0.02	7.7	<0.1	<0.05	1.4	9.26	14.0	0.03	3	0.1	17.8	<10	<2
S192067	Drill Core	0.11	0.13	33.4	0.3	<0.05	3.9	8.83	12.4	<0.02	4	0.3	28.2	<10	<2
DUP S192067	QC	0.13	0.10	34.9	0.3	<0.05	3.7	8.93	12.0	<0.02	5	0.3	29.1	<10	<2
S192101	Drill Core	0.10	0.03	51.0	0.2	<0.05	4.2	4.93	14.4	<0.02	<1	0.4	30.6	<10	3
DUP S192101	QC	0.13	0.04	50.5	0.2	<0.05	4.1	5.04	14.7	<0.02	<1	0.5	30.4	<10	5
S192135	Drill Core	0.12	0.07	35.0	0.2	<0.05	4.7	3.29	8.5	<0.02	1	0.6	16.7	11	<2
DUP S192135	QC	0.11	0.07	33.8	0.2	<0.05	4.9	3.54	8.5	<0.02	<1	0.4	19.8	<10	6
Reference Materials															
STD DS10	Standard	0.05	1.38	28.8	1.4	<0.05	2.4	7.79	37.1	0.26	51	0.4	19.5	104	204
STD DS10	Standard	0.05	1.54	30.5	1.5	<0.05	2.6	8.66	39.7	0.24	56	0.4	20.4	130	209
STD DS10	Standard	0.04	1.94	30.3	1.7	<0.05	2.9	9.14	42.4	0.25	45	0.7	21.3	118	201
STD DS10	Standard	0.04	1.60	30.2	1.7	<0.05	2.7	8.51	38.6	0.28	52	0.7	20.7	114	190
STD DS10	Standard	0.07	1.50	28.0	1.8	<0.05	2.7	8.11	38.9	0.24	37	0.4	19.9	124	181
STD OXC129	Standard	0.33	1.61	15.4	0.8	<0.05	22.3	4.68	23.7	<0.02	1	0.9	2.5	14	<2
STD OXC129	Standard	0.22	1.82	15.5	0.7	<0.05	20.6	4.55	22.9	<0.02	<1	0.6	2.1	<10	4
STD OXC129	Standard	0.23	1.28	15.8	0.8	<0.05	20.8	4.91	24.2	<0.02	<1	1.0	2.5	<10	<2
STD OXC129	Standard	0.25	1.49	15.6	0.7	<0.05	19.9	4.50	23.1	<0.02	<1	0.6	2.0	<10	<2
STD OXC129	Standard	0.17	1.23	15.1	0.8	<0.05	17.6	4.84	23.4	<0.02	2	0.5	2.5	<10	<2

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		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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
STD DS10 Expected			15.1	154.61	150.55	370	2020	74.6	12.9	875	2.7188	46.2	2.59	91.9	7.5	67.1	2.62	9	11.65	43	1.0625
STD OXC129 Expected			1.3	28	6.3	42.9	28	79.5	20.3	421	3.065	0.6	0.72	195	1.9		0.03	0.04		51	0.665
BLK	Blank		<0.01	0.01	<0.01	<0.1	2	0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	0.6	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	7	0.1	<0.1	2	<0.01	<0.1	<0.1	<0.2	<0.1	0.5	<0.01	<0.02	<0.02	<2	0.01
BLK	Blank		<0.01	<0.01	0.04	<0.1	4	0.2	<0.1	1	<0.01	<0.1	<0.1	<0.2	<0.1	0.7	<0.01	<0.02	<0.02	<2	0.03
BLK	Blank		<0.01	0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	0.6	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.3	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
Prep Wash																					
ROCK-SMI	Prep Blank		0.72	4.05	1.30	38.9	19	2.0	4.4	570	1.92	1.2	0.4	<0.2	2.3	29.0	0.04	0.04	<0.02	28	0.78
ROCK-SMI	Prep Blank		0.45	4.73	1.41	34.4	28	2.2	4.9	556	2.09	1.2	0.5	0.6	2.3	35.9	0.01	0.05	<0.02	30	0.89

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PHONE (604) 253-3158

Client: **Equity Exploration Consultants Ltd.**
#1510 - 250 Howe St.
Vancouver BC V6C 3R8 CANADA

Project: TRX15-01
Report Date: November 17, 2015

QUALITY CONTROL REPORT SMI15000093.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
STD DS10 Expected		0.0765	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	3	5.1	0.29	300	2.3	5.01	4.5	2.63	0.08
STD OXC129 Expected		0.102	13	52	1.545	50	0.4	1	1.58	0.6	0.37	0.08	1.1	0.03					5.6	0.16	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	0.06	<0.1	<0.02	<0.1
Prep Wash																					
ROCK-SMI	Prep Blank	0.041	6.5	11.5	0.53	66.2	0.082	<1	1.08	0.103	0.10	<0.1	3.7	<0.02	0.03	<5	<0.1	<0.02	4.6	0.13	<0.1
ROCK-SMI	Prep Blank	0.042	6.5	6.8	0.53	75.3	0.095	2	1.30	0.129	0.12	<0.1	4.7	<0.02	<0.02	<5	<0.1	<0.02	4.6	0.15	<0.1

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Project: TRX15-01
Report Date: November 17, 2015

QUALITY CONTROL REPORT SMI15000093.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
STD DS10 Expected		0.06	1.62	27.7	1.6		2.7	7.77	37	0.23	50	0.63	19.4	110	191
STD OXC129 Expected		0.24	1.4		0.7		21	4.7	23.7			0.8	2.22		
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	1	<0.1	<0.1	<10	<2
Prep Wash															
ROCK-SMI	Prep Blank	0.15	0.21	2.7	0.5	<0.05	4.7	8.35	13.6	<0.02	<1	0.4	2.4	<10	<2
ROCK-SMI	Prep Blank	0.14	0.35	3.1	0.5	<0.05	5.2	8.52	13.2	<0.02	<1	0.1	2.7	<10	5

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Client: **Equity Exploration Consultants Ltd.**
#1510 - 250 Howe St.
Vancouver BC V6C 3R8 CANADA

Submitted By:	Thomas Branson
Receiving Lab:	Canada-Smithers
Received:	October 26, 2015
Report Date:	November 17, 2015
Page:	1 of 5

CERTIFICATE OF ANALYSIS SMI15000094.1

CLIENT JOB INFORMATION

Project:	TRX15-01
Shipment ID:	TRX15-01_1
P.O. Number	TRX15-01_1
Number of Samples:	100

SAMPLE DISPOSAL

RTRN-PLP	Return
DISP-RJT	Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	94	Crush, split and pulverize 250 g rock to 200 mesh			SMI
SPTRF	3	Split samples by riffle splitter			SMI
PUL85	3	Pulverize to 85% passing 200 mesh			VAN
AQ251_EXT	100	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
SLBHP	3	Sort, label and box pulps			SMI

ADDITIONAL COMMENTS

Invoice To: Equity Exploration Consultants Ltd.
#1510 - 250 Howe St.
Vancouver BC V6C 3R8
CANADA

CC: Ron Voordouw
Michael Pond

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Geochemical Laboratory Manager

"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

Client: **Equity Exploration Consultants Ltd.**
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Project: TRX15-01
Report Date: November 17, 2015

CERTIFICATE OF ANALYSIS SMI15000094.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192152	Drill Core	4.02	0.58	167.28	1.93	44.6	57	57.8	20.9	493	3.02	1.2	0.4	2.3	1.1	178.6	0.04	0.03	<0.02	95	2.55
S192153	Drill Core	4.55	0.40	172.95	1.71	45.1	88	57.7	20.6	512	3.21	1.6	0.4	3.7	1.0	158.1	0.01	0.06	<0.02	98	1.78
S192154	Drill Core	4.46	0.20	172.90	1.39	48.1	121	58.4	21.2	463	3.07	1.3	0.3	15.8	0.9	138.5	<0.01	0.05	<0.02	97	1.36
S192155	Drill Core	3.67	0.88	165.65	1.72	51.5	94	63.7	24.0	724	3.86	1.6	0.4	2.2	1.2	205.2	0.02	0.06	<0.02	133	2.82
S192156	Drill Core	4.30	0.42	167.24	1.76	51.5	102	64.2	24.5	691	3.76	2.5	0.4	4.2	1.3	213.6	0.04	0.14	<0.02	130	2.90
S192157	Drill Core	2.82	1.09	162.72	2.53	55.7	93	66.4	26.2	823	3.97	5.0	0.5	1.3	1.3	335.5	0.03	0.15	<0.02	134	3.77
S192158	Drill Core	2.92	0.37	131.90	2.51	45.8	82	44.2	17.1	680	3.30	1.7	0.4	2.1	1.1	254.9	0.08	0.06	<0.02	107	6.76
S192159	Drill Core	3.04	0.40	171.01	2.59	44.4	98	50.3	18.5	582	3.02	1.8	0.5	<0.2	1.0	267.3	0.05	0.06	<0.02	102	5.31
S192160	Rock Pulp	0.12	243.70	4592.48	4.02	48.1	714	32.5	10.6	476	3.61	6.0	0.3	392.8	0.9	43.8	0.12	0.72	0.08	62	0.86
S192161	Drill Core	2.16	0.25	165.23	2.14	46.0	101	58.0	20.9	476	3.05	1.5	0.4	1.5	0.9	201.0	0.03	0.08	<0.02	96	2.00
S192162	Drill Core	4.18	0.51	170.06	3.71	49.4	153	58.3	21.9	587	3.33	2.0	0.4	<0.2	1.0	201.9	0.10	0.07	0.25	108	3.36
S192163	Drill Core	3.09	0.61	156.24	5.28	49.3	146	51.5	20.7	665	3.34	3.9	0.4	1.1	1.3	257.8	0.07	0.15	0.10	100	5.56
S192164	Drill Core	3.24	0.88	187.97	2.45	50.9	120	61.3	23.4	648	3.54	2.3	0.4	0.9	1.3	263.5	0.03	0.11	<0.02	108	3.25
S192165 Dup of S192164	Core DUP	<0.01	0.81	185.16	2.73	54.8	120	62.9	24.0	664	3.54	2.2	0.4	0.7	1.3	271.4	0.05	0.09	0.05	110	3.28
S192166	Drill Core	3.70	0.52	168.98	3.04	47.8	82	54.8	21.3	611	3.28	2.2	0.4	0.7	1.1	211.8	0.04	0.08	<0.02	107	3.80
S192167	Drill Core	3.08	0.40	170.21	2.58	47.6	133	59.3	22.1	680	3.33	3.6	0.5	0.9	1.3	280.8	0.06	0.11	0.03	106	4.79
S192168	Drill Core	3.71	0.77	162.63	3.09	52.6	107	57.9	22.6	702	3.61	5.7	0.5	<0.2	1.3	299.2	0.05	0.21	<0.02	114	5.27
S192169	Drill Core	2.91	0.28	150.24	2.08	50.8	62	58.4	21.2	544	3.18	1.6	0.4	0.8	1.1	217.1	0.05	0.08	<0.02	102	2.39
S192170	Rock	0.83	0.05	0.33	0.14	0.2	<2	1.1	<0.1	15	0.03	<0.1	1.4	<0.2	<0.1	3833.9	<0.01	<0.02	<0.02	<2	34.96
S192171	Drill Core	3.93	0.35	143.16	3.05	47.7	72	54.8	20.6	661	3.34	2.5	0.5	0.6	1.2	261.6	0.04	0.12	<0.02	106	5.35
S192172	Drill Core	3.28	0.88	161.51	2.55	55.4	90	65.5	25.7	783	3.80	4.7	0.6	1.8	1.4	178.0	0.04	0.10	<0.02	115	4.47
S192173	Drill Core	3.89	0.94	171.64	2.87	54.9	88	65.9	27.3	791	3.93	4.7	0.5	0.3	1.3	216.7	0.03	0.11	<0.02	123	3.89
S192174	Drill Core	2.81	0.33	161.00	1.59	49.8	99	60.3	22.5	590	3.27	1.4	0.4	0.4	1.1	199.6	0.03	0.09	<0.02	101	1.80
S192175	Drill Core	2.63	0.61	175.79	1.96	46.3	89	60.7	22.1	564	3.20	1.7	0.4	<0.2	1.1	244.2	0.03	0.06	<0.02	105	2.96
S192176	Drill Core	4.18	0.52	163.47	1.43	44.2	69	56.1	20.9	491	3.07	1.3	0.3	0.3	1.0	158.7	0.01	0.02	<0.02	100	1.77
S192177	Drill Core	5.16	1.02	177.58	1.58	48.0	103	61.4	23.3	578	3.31	1.4	0.4	2.4	1.1	178.9	0.02	0.04	<0.02	113	2.17
S192178	Drill Core	4.96	0.09	162.83	1.27	45.4	104	57.0	21.5	524	3.07	1.0	0.4	4.4	1.2	198.9	0.01	0.06	<0.02	101	1.56
S192179	Drill Core	5.24	0.12	168.09	1.38	45.4	85	59.8	22.2	503	3.15	1.1	0.4	10.0	1.1	174.8	0.02	0.05	<0.02	99	1.61
S192180	Drill Core	5.53	0.05	167.03	1.29	46.3	81	57.9	21.3	518	3.13	1.3	0.4	2.4	1.1	179.7	0.03	0.07	<0.02	104	1.65
S192181	Drill Core	5.71	0.17	168.96	1.59	46.1	104	57.7	21.5	520	3.13	0.8	0.4	3.5	1.1	216.6	0.02	0.05	<0.02	104	2.28

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Project: TRX15-01
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CERTIFICATE OF ANALYSIS SMI15000094.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192152	Drill Core	0.224	4.6	158.2	1.92	93.5	0.161	3	1.92	0.052	1.57	<0.1	2.8	0.06	<0.02	<5	<0.1	0.03	5.6	1.89	0.2
S192153	Drill Core	0.225	4.1	150.4	2.29	105.7	0.165	3	2.13	0.058	1.63	0.1	2.9	0.05	<0.02	<5	<0.1	<0.02	5.7	2.15	<0.1
S192154	Drill Core	0.223	4.0	158.6	2.21	87.8	0.170	<1	2.16	0.053	1.87	<0.1	2.5	0.06	<0.02	<5	<0.1	<0.02	6.0	3.03	0.1
S192155	Drill Core	0.231	6.5	169.0	2.84	148.7	0.204	2	2.91	0.071	2.61	<0.1	3.5	0.10	0.02	<5	<0.1	0.03	7.0	4.84	0.1
S192156	Drill Core	0.235	7.5	172.8	2.68	113.3	0.190	2	2.63	0.049	2.31	<0.1	4.0	0.09	<0.02	24	0.1	0.04	7.0	4.06	0.1
S192157	Drill Core	0.220	7.7	165.2	2.95	233.5	0.168	2	2.95	0.036	2.15	<0.1	6.1	0.06	0.04	22	<0.1	<0.02	7.5	4.55	0.1
S192158	Drill Core	0.216	4.4	169.8	1.49	250.2	0.156	4	1.52	0.061	1.12	0.2	4.0	0.03	0.06	11	<0.1	0.03	4.8	1.59	<0.1
S192159	Drill Core	0.212	4.0	158.3	1.52	183.9	0.173	3	1.64	0.073	1.18	0.3	3.6	0.04	0.05	<5	0.1	<0.02	4.9	1.63	0.1
S192160	Rock Pulp	0.057	4.0	34.2	0.82	100.7	0.132	4	1.71	0.100	0.14	0.2	5.3	0.07	0.61	37	0.8	0.11	5.5	0.42	<0.1
S192161	Drill Core	0.230	3.9	135.8	2.10	75.1	0.161	3	1.99	0.048	1.38	0.1	3.5	0.06	0.03	17	<0.1	0.03	5.6	2.34	0.2
S192162	Drill Core	0.217	4.0	155.8	2.08	172.0	0.177	3	1.98	0.055	1.44	0.2	3.6	0.07	0.10	12	<0.1	0.07	5.9	2.08	<0.1
S192163	Drill Core	0.226	4.4	159.3	1.75	162.3	0.160	4	1.68	0.056	0.94	0.2	4.0	0.03	0.14	26	<0.1	0.02	5.7	1.18	0.2
S192164	Drill Core	0.228	6.1	149.0	2.41	85.6	0.157	3	2.16	0.042	1.27	0.1	4.8	0.05	0.06	17	<0.1	0.04	6.8	2.45	<0.1
S192165 Dup of S192164	Core DUP	0.224	5.7	157.3	2.43	85.0	0.169	3	2.21	0.044	1.28	0.2	5.1	0.06	0.06	28	<0.1	<0.02	6.4	2.58	0.2
S192166	Drill Core	0.220	4.2	153.3	1.98	119.5	0.176	3	1.98	0.050	1.52	0.1	3.7	0.07	0.05	26	0.1	<0.02	5.8	2.41	0.1
S192167	Drill Core	0.234	4.8	182.2	1.93	240.4	0.197	4	1.93	0.077	1.34	0.2	4.7	0.04	0.07	12	<0.1	<0.02	5.4	1.88	0.1
S192168	Drill Core	0.208	5.0	185.1	1.74	196.8	0.167	4	1.82	0.050	1.20	0.2	4.6	0.05	0.09	50	0.1	<0.02	5.3	2.30	<0.1
S192169	Drill Core	0.221	4.1	140.2	2.27	114.5	0.179	3	2.15	0.064	1.52	0.1	4.3	0.05	<0.02	8	<0.1	<0.02	6.1	2.49	<0.1
S192170	Rock	0.004	<0.5	1.0	1.29	5.2	<0.001	<1	0.02	0.002	<0.01	<0.1	0.2	<0.02	0.05	<5	<0.1	0.10	<0.1	<0.02	<0.1
S192171	Drill Core	0.213	4.5	164.3	1.71	224.2	0.176	3	1.78	0.058	1.27	0.2	4.2	0.04	0.05	15	<0.1	<0.02	5.2	1.64	<0.1
S192172	Drill Core	0.224	5.5	156.8	2.61	105.6	0.195	2	2.44	0.039	1.96	0.1	4.1	0.06	0.22	34	0.1	<0.02	7.5	2.23	0.1
S192173	Drill Core	0.220	5.7	153.0	2.81	112.4	0.186	2	2.61	0.045	1.90	0.1	5.1	0.07	0.21	29	<0.1	<0.02	7.5	2.88	<0.1
S192174	Drill Core	0.227	5.5	160.1	2.48	70.1	0.166	3	2.18	0.044	1.42	0.1	4.0	0.05	0.03	<5	0.1	<0.02	6.1	3.21	<0.1
S192175	Drill Core	0.214	4.4	169.9	2.07	121.5	0.178	3	2.07	0.062	1.51	0.1	4.1	0.06	0.02	25	<0.1	0.03	5.8	3.55	<0.1
S192176	Drill Core	0.229	4.9	152.8	2.20	63.8	0.150	2	2.11	0.049	1.67	0.1	2.8	0.06	<0.02	6	<0.1	<0.02	5.8	3.81	<0.1
S192177	Drill Core	0.234	5.6	170.0	2.38	73.1	0.183	3	2.39	0.076	1.97	0.1	3.6	0.10	<0.02	10	<0.1	<0.02	6.1	5.36	<0.1
S192178	Drill Core	0.236	6.4	151.2	2.38	198.3	0.155	2	2.24	0.055	1.67	<0.1	2.8	0.07	<0.02	6	<0.1	<0.02	6.0	4.48	<0.1
S192179	Drill Core	0.234	6.3	153.4	2.36	96.0	0.154	3	2.17	0.063	1.57	<0.1	3.0	0.05	<0.02	7	<0.1	<0.02	5.4	3.14	0.1
S192180	Drill Core	0.221	6.6	154.3	2.33	87.0	0.170	3	2.31	0.074	1.83	<0.1	3.2	0.06	<0.02	10	<0.1	<0.02	6.4	3.70	<0.1
S192181	Drill Core	0.224	6.4	156.9	2.18	92.9	0.181	3	2.26	0.081	1.80	0.1	2.8	0.06	<0.02	<5	<0.1	<0.02	5.7	3.93	<0.1

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Project: TRX15-01
Report Date: November 17, 2015

CERTIFICATE OF ANALYSIS SMI15000094.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192152	Drill Core	0.08	0.04	36.5	0.1	<0.05	3.2	3.27	9.0	<0.02	1	0.3	23.9	<10	<2
S192153	Drill Core	0.09	0.05	35.4	0.1	<0.05	3.5	2.97	8.1	<0.02	4	0.2	30.3	<10	9
S192154	Drill Core	0.08	0.03	45.4	0.1	<0.05	3.4	2.73	7.4	<0.02	<1	0.5	25.4	<10	7
S192155	Drill Core	0.09	0.03	63.7	0.1	<0.05	2.9	4.38	12.7	<0.02	<1	0.4	30.6	<10	3
S192156	Drill Core	0.07	0.02	55.8	0.2	<0.05	2.8	4.96	14.3	<0.02	<1	0.3	27.5	<10	5
S192157	Drill Core	0.03	<0.02	52.9	0.2	<0.05	2.2	5.33	14.1	<0.02	2	0.5	28.2	10	2
S192158	Drill Core	0.09	0.06	23.4	0.2	<0.05	4.2	3.62	8.8	<0.02	<1	0.2	13.8	<10	5
S192159	Drill Core	0.09	0.07	27.7	0.2	<0.05	4.2	3.18	7.9	<0.02	<1	0.4	13.7	12	6
S192160	Rock Pulp	0.16	0.07	5.0	1.4	<0.05	5.7	7.07	8.9	0.02	122	0.3	11.6	<10	6
S192161	Drill Core	0.15	0.03	34.8	0.1	<0.05	3.6	2.85	7.8	<0.02	3	0.4	23.8	<10	<2
S192162	Drill Core	0.13	0.05	34.7	<0.1	<0.05	4.0	3.16	7.4	<0.02	<1	0.4	22.4	<10	4
S192163	Drill Core	0.09	0.05	19.3	0.1	<0.05	4.6	3.80	8.7	<0.02	<1	0.4	17.9	<10	4
S192164	Drill Core	0.10	0.04	34.2	0.2	<0.05	3.4	3.90	11.4	<0.02	2	0.2	23.1	<10	3
S192165 Dup of S192164	Core DUP	0.08	0.03	34.2	0.2	<0.05	3.5	4.06	11.6	<0.02	<1	0.5	25.0	<10	4
S192166	Drill Core	0.08	0.03	41.1	0.2	<0.05	3.4	3.19	8.3	<0.02	<1	0.5	22.6	<10	8
S192167	Drill Core	0.14	0.07	28.7	0.2	<0.05	5.4	3.65	9.4	<0.02	<1	0.4	23.6	<10	6
S192168	Drill Core	0.08	0.03	29.0	0.2	<0.05	3.5	4.01	10.2	<0.02	<1	0.7	21.2	<10	3
S192169	Drill Core	0.15	0.04	36.7	0.2	<0.05	4.3	3.09	8.4	<0.02	<1	0.3	27.0	<10	4
S192170	Rock	<0.02	0.03	0.1	<0.1	<0.05	0.1	0.15	0.2	<0.02	<1	<0.1	0.2	<10	<2
S192171	Drill Core	0.11	0.05	28.5	0.1	<0.05	3.9	3.54	8.9	<0.02	<1	0.6	19.3	<10	8
S192172	Drill Core	0.09	0.04	47.2	0.2	<0.05	3.0	3.95	10.8	<0.02	<1	0.2	27.2	<10	6
S192173	Drill Core	0.11	0.03	47.5	0.2	<0.05	3.2	4.00	11.0	<0.02	<1	0.5	32.9	<10	5
S192174	Drill Core	0.17	0.03	38.2	0.2	<0.05	4.0	3.37	10.9	<0.02	<1	0.6	28.9	19	6
S192175	Drill Core	0.11	0.03	43.9	0.2	<0.05	4.2	3.36	8.7	<0.02	<1	0.5	23.5	13	4
S192176	Drill Core	0.06	0.03	49.0	0.1	<0.05	3.2	3.21	9.6	<0.02	<1	0.2	26.7	<10	5
S192177	Drill Core	0.12	0.04	71.0	0.2	<0.05	3.7	3.86	11.0	<0.02	<1	0.4	31.1	<10	9
S192178	Drill Core	0.10	<0.02	54.1	0.1	<0.05	3.4	4.02	12.2	<0.02	<1	0.5	28.4	<10	4
S192179	Drill Core	0.10	0.03	39.1	0.1	<0.05	3.3	3.76	12.2	<0.02	<1	0.4	28.6	<10	3
S192180	Drill Core	0.09	0.04	47.2	0.1	<0.05	3.6	4.19	12.7	<0.02	<1	0.2	29.1	14	<2
S192181	Drill Core	0.13	0.03	49.6	0.2	<0.05	3.4	4.21	12.4	<0.02	<1	0.2	22.9	12	8

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Project: TRX15-01
Report Date: November 17, 2015

CERTIFICATE OF ANALYSIS SMI15000094.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192182	Drill Core	4.08	0.44	163.17	2.00	46.1	82	57.7	21.1	549	3.22	1.2	0.4	<0.2	1.1	167.1	0.04	0.05	<0.02	103	2.85
S192183	Drill Core	3.31	2.78	166.08	3.79	52.9	99	59.5	24.1	825	3.99	3.5	0.5	2.4	1.5	242.4	0.04	0.20	<0.02	127	6.37
S192184	Drill Core	2.75	0.86	166.85	4.00	53.4	91	65.5	25.7	785	4.01	7.7	0.5	1.5	1.5	287.0	0.02	0.29	<0.02	131	5.35
S192185	Drill Core	1.13	1.36	171.46	4.22	55.3	92	68.1	27.1	853	4.09	12.3	0.5	<0.2	1.5	342.1	0.02	0.40	<0.02	138	6.49
S192186	Drill Core	2.42	0.96	156.74	2.53	54.5	83	63.5	24.2	745	3.85	2.7	0.4	0.3	1.2	233.6	0.03	0.11	<0.02	128	3.88
S192187	Drill Core	4.93	0.15	162.20	2.91	60.1	73	72.8	27.1	805	4.31	1.7	0.3	1.8	1.0	218.8	0.05	0.08	<0.02	153	3.27
S192188	Drill Core	3.20	0.52	160.97	5.82	66.3	166	74.8	28.8	926	4.83	6.0	0.4	11.3	1.6	328.6	0.06	0.15	0.11	145	6.35
S192189	Drill Core	2.92	1.22	8.95	13.13	72.0	38	5.4	4.7	444	2.02	1.0	1.4	1.2	7.8	317.4	0.07	0.10	0.05	13	2.70
S192190	Drill Core	1.41	0.11	5.49	14.39	78.3	22	6.6	5.2	484	2.19	1.1	1.6	<0.2	8.6	332.8	0.04	0.07	<0.02	16	2.92
S192191	Drill Core	4.20	0.11	1.23	13.19	76.4	18	4.6	4.2	452	2.03	0.5	1.6	<0.2	8.8	277.8	0.05	0.10	<0.02	11	2.74
S192192	Drill Core	5.19	0.08	1.71	13.85	81.7	19	5.1	4.5	477	2.14	1.0	1.6	<0.2	8.8	303.8	0.05	0.09	<0.02	11	2.65
S192193	Drill Core	5.15	0.11	1.22	13.11	74.9	17	4.6	4.3	436	2.02	0.5	1.6	<0.2	8.2	317.5	0.05	0.10	<0.02	10	2.71
S192194	Drill Core	2.54	0.09	2.60	12.63	73.1	15	4.7	4.0	451	1.95	1.3	1.6	0.2	7.9	392.2	0.02	0.14	<0.02	9	3.03
S192195	Drill Core	2.27	0.10	1.04	11.52	73.7	17	4.7	4.2	475	2.01	1.2	1.5	0.5	8.0	335.3	0.05	0.10	<0.02	10	3.18
S192196	Drill Core	5.73	0.11	0.74	14.42	75.9	19	4.6	3.9	460	1.97	0.8	1.6	0.7	8.5	276.7	0.04	0.14	<0.02	10	2.82
S192197	Drill Core	4.69	0.13	1.07	14.50	78.7	11	4.5	4.5	480	2.18	1.1	1.5	<0.2	8.5	199.6	0.04	0.14	<0.02	13	2.45
S192198	Drill Core	4.96	0.13	6.10	13.79	78.0	18	5.2	4.9	464	2.16	2.0	1.3	<0.2	7.7	163.1	0.03	0.18	<0.02	14	2.20
S192199	Drill Core	4.36	0.12	7.01	12.81	76.1	26	5.6	4.6	470	2.23	2.2	1.3	<0.2	7.9	169.4	0.04	0.23	0.02	15	2.24
S192200	Rock Pulp	0.12	289.74	2479.46	82.44	457.9	2782	14.4	11.2	739	4.36	25.4	0.7	368.8	3.3	52.0	2.09	1.65	1.01	32	0.84
S192201	Drill Core	4.51	0.20	7.61	15.19	90.0	39	5.3	5.0	510	2.25	1.8	1.2	0.7	8.1	188.3	0.07	0.28	0.20	18	2.58
S192202	Drill Core	1.58	2.04	12.78	21.60	79.9	138	7.6	6.0	561	2.27	5.9	1.1	4.8	7.2	262.8	0.09	0.32	0.75	17	3.29
S192203	Drill Core	2.29	0.21	5.54	20.54	86.3	87	3.6	4.0	562	2.03	1.6	1.6	3.7	7.8	288.1	0.10	0.18	0.28	9	2.98
S192204	Drill Core	1.80	0.12	4.16	17.93	79.5	34	3.9	3.8	551	1.87	0.7	1.8	1.2	8.0	316.8	0.03	0.16	0.05	6	3.23
S192205 Dup of S192204	Core DUP	<0.01	0.09	3.93	18.23	79.2	37	3.8	3.9	529	1.85	1.5	1.7	2.3	7.9	308.1	0.08	0.14	0.05	6	3.17
S192206	Drill Core	2.00	0.89	110.81	5.71	64.1	175	58.3	25.2	1342	4.53	10.9	0.4	0.7	1.6	704.7	0.02	0.34	0.07	50	9.69
S192207	Drill Core	1.78	0.30	28.93	10.80	57.8	103	13.1	7.9	491	2.42	6.9	1.8	2.7	7.4	212.2	0.08	0.21	0.11	13	3.20
S192208	Drill Core	1.34	0.05	4.24	7.07	56.7	33	2.8	3.2	417	1.80	4.3	2.2	1.8	8.0	177.4	0.07	0.14	0.05	5	2.51
S192209	Drill Core	2.98	0.09	2.90	12.79	63.5	39	4.0	4.2	506	2.27	6.2	2.1	4.0	6.8	151.8	0.03	0.20	0.08	10	1.98
S192210	Rock	1.08	0.03	0.15	0.30	<0.1	6	0.1	0.6	16	0.02	<0.1	1.6	0.5	<0.1	4018.1	<0.01	<0.02	<0.02	<2	35.55
S192211	Drill Core	1.84	0.09	4.62	9.73	56.2	34	3.6	3.6	565	2.17	4.1	2.1	2.6	7.7	231.1	0.03	0.16	0.04	8	2.96

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	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192182	Drill Core	0.208	3.9	158.0	2.15	349.8	0.184	1	2.06	0.069	1.54	0.1	3.3	0.06	0.06	<5	0.1	<0.02	6.1	2.67	<0.1
S192183	Drill Core	0.209	5.6	176.0	2.18	302.7	0.193	2	2.08	0.061	1.12	0.3	5.8	0.08	0.32	26	0.1	<0.02	6.9	2.29	0.2
S192184	Drill Core	0.203	6.2	170.3	2.49	212.7	0.150	1	2.19	0.044	0.92	0.2	7.1	0.07	0.34	67	<0.1	0.02	7.4	2.18	<0.1
S192185	Drill Core	0.206	6.4	173.9	2.45	223.3	0.136	<1	2.16	0.040	0.95	0.2	8.4	0.08	0.35	117	0.2	<0.02	7.6	2.45	<0.1
S192186	Drill Core	0.211	5.1	176.9	2.71	339.7	0.187	2	2.47	0.045	1.74	<0.1	5.1	0.14	0.10	31	<0.1	0.03	6.8	4.69	<0.1
S192187	Drill Core	0.220	5.0	181.8	3.33	313.0	0.231	2	3.23	0.040	2.95	0.2	4.8	0.26	0.03	17	<0.1	<0.02	8.0	7.39	0.2
S192188	Drill Core	0.215	7.5	184.6	2.50	347.7	0.125	2	2.72	0.032	1.18	0.2	7.5	0.25	0.23	32	<0.1	0.03	8.2	3.66	<0.1
S192189	Drill Core	0.083	16.4	7.6	0.60	151.7	0.050	3	1.38	0.035	0.60	<0.1	1.4	0.21	0.06	33	0.2	<0.02	4.1	2.08	<0.1
S192190	Drill Core	0.087	15.6	11.9	0.65	152.7	0.045	1	1.39	0.035	0.46	<0.1	1.4	0.18	<0.02	18	<0.1	<0.02	4.8	1.33	<0.1
S192191	Drill Core	0.084	17.1	5.8	0.55	166.3	0.049	1	1.28	0.040	0.49	<0.1	1.1	0.23	<0.02	21	<0.1	<0.02	4.6	1.56	<0.1
S192192	Drill Core	0.085	17.4	7.2	0.59	155.5	0.048	2	1.37	0.044	0.49	<0.1	1.3	0.25	<0.02	27	<0.1	<0.02	5.0	1.74	<0.1
S192193	Drill Core	0.083	16.2	5.5	0.55	115.8	0.040	2	1.25	0.037	0.43	<0.1	1.2	0.22	<0.02	13	<0.1	<0.02	4.2	1.56	<0.1
S192194	Drill Core	0.083	16.0	5.8	0.58	100.8	0.034	2	1.42	0.030	0.45	<0.1	1.0	0.22	0.04	28	<0.1	<0.02	4.3	2.61	<0.1
S192195	Drill Core	0.083	18.4	5.1	0.54	109.0	0.041	2	1.28	0.034	0.45	<0.1	1.0	0.22	<0.02	25	<0.1	<0.02	4.4	1.84	<0.1
S192196	Drill Core	0.084	19.7	6.5	0.52	102.1	0.042	2	1.27	0.038	0.47	<0.1	1.3	0.20	<0.02	26	<0.1	0.03	4.2	1.43	<0.1
S192197	Drill Core	0.084	18.5	6.1	0.58	139.0	0.065	2	1.38	0.040	0.60	<0.1	1.4	0.29	<0.02	56	<0.1	<0.02	5.1	1.91	<0.1
S192198	Drill Core	0.082	20.4	7.6	0.58	149.8	0.090	2	1.32	0.037	0.62	<0.1	1.5	0.30	0.03	45	<0.1	0.06	4.6	1.71	<0.1
S192199	Drill Core	0.084	16.6	8.1	0.61	142.9	0.079	2	1.44	0.045	0.66	<0.1	1.5	0.28	0.06	34	<0.1	<0.02	5.1	1.71	<0.1
S192200	Rock Pulp	0.068	4.5	21.1	0.60	59.0	0.040	5	1.75	0.056	0.31	1.4	2.7	0.29	2.12	47	3.6	0.78	4.6	3.72	<0.1
S192201	Drill Core	0.085	19.3	7.8	0.63	128.3	0.085	2	1.49	0.055	0.60	<0.1	2.0	0.33	0.06	17	<0.1	<0.02	5.3	1.93	<0.1
S192202	Drill Core	0.083	18.0	11.2	0.66	71.3	0.039	3	1.43	0.043	0.31	0.2	2.2	0.12	0.21	16	0.4	<0.02	5.1	1.20	<0.1
S192203	Drill Core	0.081	16.7	4.3	0.47	86.7	0.018	4	1.31	0.049	0.40	<0.1	2.7	0.12	0.07	8	<0.1	<0.02	4.7	1.26	<0.1
S192204	Drill Core	0.082	16.6	3.8	0.43	88.1	0.017	3	1.21	0.040	0.38	<0.1	2.9	0.11	0.04	15	<0.1	<0.02	3.7	1.57	<0.1
S192205 Dup of S192204	Core DUP	0.082	16.1	3.6	0.42	88.1	0.017	3	1.21	0.040	0.38	<0.1	3.0	0.11	0.04	5	0.2	<0.02	3.8	1.53	<0.1
S192206	Drill Core	0.192	8.4	62.9	1.94	53.0	0.002	2	2.32	0.024	0.21	0.1	7.6	0.06	0.11	<5	<0.1	<0.02	3.6	0.45	<0.1
S192207	Drill Core	0.099	19.3	14.2	0.79	77.9	0.002	2	1.31	0.028	0.35	<0.1	2.1	0.09	0.12	11	0.1	<0.02	3.1	1.08	<0.1
S192208	Drill Core	0.070	19.9	2.2	0.45	60.6	0.001	1	0.91	0.031	0.30	<0.1	1.1	0.07	0.12	21	<0.1	0.03	2.2	0.85	<0.1
S192209	Drill Core	0.076	19.0	3.8	0.49	55.0	0.012	2	1.12	0.041	0.28	<0.1	1.9	0.09	0.26	27	<0.1	<0.02	4.7	0.55	<0.1
S192210	Rock	0.003	<0.5	<0.5	0.98	5.1	<0.001	<1	0.02	0.002	<0.01	<0.1	0.4	<0.02	0.05	7	<0.1	0.19	<0.1	<0.02	<0.1
S192211	Drill Core	0.069	22.7	2.9	0.52	44.7	0.001	1	1.18	0.038	0.31	<0.1	1.6	0.09	0.14	13	<0.1	<0.02	4.0	0.90	<0.1

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Project: TRX15-01
Report Date: November 17, 2015

CERTIFICATE OF ANALYSIS SMI15000094.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192182	Drill Core	0.15	0.04	29.4	0.2	<0.05	4.1	3.18	7.8	<0.02	<1	0.2	23.5	<10	4
S192183	Drill Core	0.10	0.06	25.4	0.2	<0.05	4.8	4.51	10.8	<0.02	<1	0.4	21.4	<10	8
S192184	Drill Core	0.10	0.03	20.0	0.3	<0.05	3.2	4.86	12.1	<0.02	<1	0.4	23.3	<10	6
S192185	Drill Core	0.08	0.03	20.7	0.3	<0.05	3.0	5.22	13.1	<0.02	<1	0.7	25.2	<10	4
S192186	Drill Core	0.09	0.03	37.3	0.1	<0.05	3.2	3.77	9.7	<0.02	<1	0.3	28.5	<10	8
S192187	Drill Core	0.09	0.03	70.9	0.2	<0.05	2.3	3.39	9.7	<0.02	<1	0.5	37.1	<10	8
S192188	Drill Core	0.04	0.03	38.0	0.2	<0.05	1.7	6.31	14.6	<0.02	<1	0.4	29.2	<10	6
S192189	Drill Core	0.10	0.12	28.4	0.3	<0.05	2.8	5.40	32.6	<0.02	<1	0.4	12.1	<10	<2
S192190	Drill Core	0.15	0.10	23.1	0.2	<0.05	3.4	5.80	31.1	<0.02	<1	0.4	12.9	<10	<2
S192191	Drill Core	0.19	0.12	26.5	0.3	<0.05	5.4	6.27	34.2	<0.02	<1	0.4	11.3	<10	3
S192192	Drill Core	0.24	0.20	27.4	0.2	<0.05	7.0	6.43	35.1	<0.02	<1	0.3	10.4	<10	4
S192193	Drill Core	0.22	0.14	24.3	0.2	<0.05	5.9	5.67	32.7	<0.02	<1	0.3	10.3	<10	<2
S192194	Drill Core	0.17	0.11	24.6	0.2	<0.05	5.4	5.99	31.7	<0.02	<1	0.4	10.7	<10	3
S192195	Drill Core	0.19	0.13	24.4	0.2	<0.05	6.0	6.11	36.3	<0.02	<1	0.7	10.0	<10	4
S192196	Drill Core	0.29	0.25	23.6	0.2	<0.05	6.8	6.19	39.5	<0.02	<1	0.2	10.6	<10	7
S192197	Drill Core	0.28	0.18	32.4	0.3	<0.05	6.8	6.00	37.5	<0.02	<1	0.3	11.7	<10	<2
S192198	Drill Core	0.22	0.24	32.1	0.4	<0.05	5.4	5.32	40.6	<0.02	<1	0.2	11.7	<10	<2
S192199	Drill Core	0.26	0.18	33.4	0.3	<0.05	5.9	5.41	34.1	<0.02	<1	0.3	12.7	<10	3
S192200	Rock Pulp	0.04	0.16	14.6	0.5	<0.05	1.6	4.49	9.1	0.14	252	0.3	16.3	<10	<2
S192201	Drill Core	0.16	0.31	35.1	0.5	<0.05	3.1	5.63	38.1	0.03	1	0.4	13.8	<10	<2
S192202	Drill Core	0.12	0.25	15.3	0.3	<0.05	2.8	6.33	36.3	<0.02	2	0.7	20.6	<10	<2
S192203	Drill Core	0.13	0.46	17.3	0.3	<0.05	4.5	6.86	32.1	<0.02	1	0.4	10.7	<10	<2
S192204	Drill Core	0.19	0.64	15.9	0.1	<0.05	5.6	6.76	34.4	<0.02	1	0.5	7.8	<10	3
S192205 Dup of S192204	Core DUP	0.16	0.70	15.7	0.2	<0.05	5.0	6.53	33.4	<0.02	2	0.5	7.8	15	<2
S192206	Drill Core	<0.02	<0.02	7.4	<0.1	<0.05	1.2	8.17	16.0	0.02	<1	0.5	18.1	<10	6
S192207	Drill Core	0.10	<0.02	15.0	0.2	<0.05	4.0	7.35	38.4	<0.02	<1	0.8	7.9	<10	3
S192208	Drill Core	0.13	<0.02	13.4	<0.1	<0.05	3.3	7.23	38.9	<0.02	<1	0.2	4.5	<10	3
S192209	Drill Core	0.09	0.16	14.3	0.2	<0.05	3.1	6.74	38.8	<0.02	3	0.3	7.8	<10	<2
S192210	Rock	<0.02	0.04	0.2	<0.1	<0.05	0.1	0.23	0.2	<0.02	1	<0.1	0.2	<10	<2
S192211	Drill Core	0.06	0.03	16.4	0.1	<0.05	2.1	8.07	45.9	<0.02	<1	0.3	8.1	<10	<2

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Project: TRX15-01
Report Date: November 17, 2015

CERTIFICATE OF ANALYSIS SMI15000094.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192212	Drill Core	3.15	0.06	4.90	11.06	59.2	30	3.1	3.4	537	2.10	2.2	2.1	1.0	7.6	209.3	0.03	0.14	0.04	8	2.80
S192213	Drill Core	3.04	0.25	10.56	15.40	60.4	38	3.1	3.2	440	2.00	3.0	2.1	<0.2	8.2	218.6	0.06	0.14	0.06	9	2.49
S192214	Drill Core	2.65	1.68	14.32	9.34	44.4	56	9.9	6.2	645	2.30	3.0	1.6	1.4	6.9	250.0	0.03	0.16	0.15	14	4.15
S192215	Drill Core	1.21	1.95	34.86	12.72	70.4	50	15.1	8.8	585	2.38	5.8	1.1	1.2	6.1	252.1	0.06	0.29	0.10	23	3.77
S192216	Drill Core	4.03	0.23	11.46	20.11	82.1	54	5.9	4.7	547	2.17	2.3	1.7	0.3	8.5	209.2	0.22	0.17	0.11	12	2.81
S192217	Drill Core	3.70	0.08	3.47	16.89	71.3	60	3.7	3.7	537	2.04	1.8	1.7	1.9	8.4	202.7	0.11	0.14	0.14	7	2.53
S192218	Drill Core	3.32	0.39	9.21	23.30	67.0	187	4.5	4.5	576	2.29	2.9	1.8	1.9	8.1	195.2	0.12	0.20	0.55	10	2.62
S192219	Drill Core	3.37	1.99	62.49	20.60	63.4	213	29.7	14.6	1013	3.04	6.1	1.0	12.4	4.4	449.4	0.05	0.33	0.28	46	6.33
S192220	Drill Core	1.88	0.06	1.55	16.88	66.9	30	3.9	3.5	527	2.10	0.4	2.0	1.5	10.2	193.9	0.03	0.17	<0.02	10	2.24
S192221	Drill Core	3.08	0.05	2.30	13.62	70.5	23	3.5	3.4	531	2.12	0.4	2.2	1.7	9.7	177.0	0.06	0.16	0.02	10	2.18
S192222	Drill Core	3.66	0.05	10.23	10.10	45.8	46	6.3	4.4	531	2.21	1.1	2.1	3.2	9.3	203.4	0.03	0.13	0.08	15	2.51
S192223	Drill Core	2.69	0.27	97.10	6.43	59.4	76	46.5	19.6	769	3.69	1.4	1.1	1.7	3.9	263.6	<0.01	0.21	0.09	103	3.84
S192224	Drill Core	2.57	0.56	189.16	4.30	51.0	96	54.0	22.3	755	3.75	5.5	0.7	0.6	1.8	372.4	0.05	0.45	<0.02	111	6.03
S192225	Drill Core	1.21	0.64	165.96	4.88	52.1	106	63.2	24.3	757	3.52	5.9	0.7	2.9	1.7	382.1	0.03	0.53	<0.02	108	5.98
S192226	Drill Core	2.67	0.24	156.41	5.42	52.6	91	59.7	25.0	818	3.84	6.2	0.8	1.0	1.7	379.2	0.01	0.51	<0.02	123	5.66
S192227	Drill Core	2.37	0.55	147.05	6.30	51.9	82	57.8	23.6	820	3.74	5.2	0.7	0.8	1.8	361.8	0.04	0.39	<0.02	127	6.14
S192228	Drill Core	2.79	0.68	134.30	5.69	62.0	88	72.2	31.3	832	4.26	12.8	0.7	1.1	1.9	375.1	0.02	0.50	<0.02	142	5.87
S192229	Drill Core	1.94	5.13	32.12	19.81	65.7	229	14.9	7.9	564	2.06	2.7	1.9	1.5	6.9	475.2	0.44	0.32	1.97	27	4.07
S192230	Drill Core	2.51	3.58	49.06	17.73	70.2	287	23.2	11.9	606	2.60	3.7	1.4	<0.2	6.5	229.5	0.45	0.30	2.55	47	3.69
S192231	Drill Core	2.83	1.23	167.57	7.26	62.6	137	71.1	31.0	1041	5.70	14.9	0.7	2.6	1.8	389.5	0.06	0.68	0.03	163	9.07
S192232	Drill Core	1.31	0.50	18.16	12.94	64.6	95	10.5	7.0	531	2.50	12.2	1.2	3.7	7.0	157.3	0.07	0.88	0.19	27	3.39
S192233	Drill Core	2.63	0.99	80.44	6.86	76.4	125	39.9	22.9	1219	4.93	36.7	0.5	4.1	1.4	243.5	0.15	1.41	0.04	146	7.29
S192234	Drill Core	2.68	1.07	108.41	6.63	73.3	112	23.4	19.4	965	4.61	14.7	0.7	0.8	1.5	145.0	0.13	1.07	0.03	159	4.76
S192235	Drill Core	3.44	1.19	110.44	4.99	79.0	86	17.3	19.8	882	4.45	4.1	0.5	2.2	1.1	146.0	0.16	0.26	<0.02	126	4.01
S192236	Drill Core	3.28	0.89	73.87	2.18	75.3	65	17.3	21.3	938	4.90	4.9	0.2	0.6	0.7	167.0	0.16	0.26	<0.02	138	3.40
S192237	Drill Core	3.55	1.09	55.94	1.79	69.9	52	3.5	19.5	939	4.61	3.9	0.1	1.0	0.5	183.8	0.07	0.26	<0.02	97	2.54
S192238	Drill Core	2.23	1.21	105.22	4.22	72.1	106	44.1	24.1	1050	5.02	11.3	0.4	0.4	1.2	258.1	0.12	0.37	<0.02	131	5.13
S192239	Drill Core	2.27	1.71	97.94	4.30	71.5	138	20.0	22.5	1164	5.07	18.8	0.3	1.9	1.1	351.2	0.10	0.45	<0.02	145	5.92
S192240	Rock Pulp	0.10	246.95	4740.30	4.22	50.1	704	33.0	10.4	487	3.68	6.2	0.3	431.0	0.9	45.5	0.02	0.72	0.10	64	0.91
S192241	Drill Core	2.76	0.34	47.47	2.92	60.5	151	8.6	20.9	1240	4.71	16.9	<0.1	<0.2	0.6	253.2	0.13	0.12	<0.02	61	7.35

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	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192212	Drill Core	0.070	23.9	2.4	0.51	42.0	0.001	1	1.08	0.034	0.26	<0.1	1.4	0.08	0.10	9	<0.1	<0.02	3.7	0.76	<0.1
S192213	Drill Core	0.075	22.8	4.1	0.52	53.4	0.001	2	1.14	0.036	0.28	<0.1	1.3	0.07	0.13	7	0.2	<0.02	3.5	1.04	<0.1
S192214	Drill Core	0.089	15.5	15.1	0.74	61.1	0.002	2	1.34	0.029	0.31	<0.1	2.2	0.08	0.16	<5	<0.1	<0.02	4.4	1.29	<0.1
S192215	Drill Core	0.106	16.3	28.4	0.91	71.0	0.005	2	1.38	0.025	0.33	<0.1	2.5	0.07	0.16	6	0.2	<0.02	4.3	0.66	<0.1
S192216	Drill Core	0.084	25.1	9.1	0.58	84.2	0.004	2	1.26	0.037	0.33	<0.1	1.6	0.09	0.07	25	<0.1	<0.02	4.7	1.16	<0.1
S192217	Drill Core	0.081	22.9	4.3	0.49	83.4	0.003	2	1.17	0.035	0.32	<0.1	1.5	0.09	0.08	9	<0.1	<0.02	4.1	1.45	<0.1
S192218	Drill Core	0.079	21.2	5.7	0.57	78.6	0.003	1	1.23	0.041	0.32	<0.1	1.9	0.09	0.13	5	0.1	<0.02	4.6	1.30	<0.1
S192219	Drill Core	0.118	11.1	60.5	1.61	68.6	0.005	1	1.89	0.021	0.25	0.2	3.8	0.08	0.20	19	0.2	<0.02	5.4	0.86	<0.1
S192220	Drill Core	0.077	33.6	4.9	0.46	111.6	0.019	2	1.17	0.046	0.39	<0.1	2.0	0.12	<0.02	23	<0.1	<0.02	5.0	1.54	<0.1
S192221	Drill Core	0.078	31.1	5.3	0.50	91.7	0.016	1	1.14	0.039	0.31	<0.1	1.9	0.10	0.03	9	<0.1	<0.02	5.0	1.26	<0.1
S192222	Drill Core	0.079	26.2	10.6	0.54	92.2	0.005	2	1.17	0.042	0.33	<0.1	2.0	0.09	0.06	<5	<0.1	<0.02	4.7	0.96	<0.1
S192223	Drill Core	0.161	11.8	125.8	2.30	65.3	0.095	<1	2.24	0.034	0.28	0.2	6.5	0.07	0.06	19	<0.1	<0.02	8.2	1.12	0.1
S192224	Drill Core	0.214	6.9	158.9	1.99	99.9	0.134	<1	1.95	0.055	0.36	0.3	8.0	0.08	0.08	100	<0.1	<0.02	6.3	1.48	0.2
S192225	Drill Core	0.206	6.4	157.7	2.00	82.6	0.133	1	1.94	0.048	0.29	0.4	7.7	0.06	0.08	124	0.2	<0.02	6.3	1.18	0.1
S192226	Drill Core	0.195	7.3	159.6	2.36	81.6	0.131	1	2.13	0.045	0.46	0.2	8.5	0.08	0.08	104	0.2	<0.02	7.2	1.81	0.1
S192227	Drill Core	0.212	7.5	162.0	2.29	112.4	0.143	<1	2.10	0.043	0.80	0.2	7.3	0.16	0.07	67	<0.1	<0.02	7.0	2.73	0.2
S192228	Drill Core	0.209	8.4	175.1	2.57	223.9	0.136	<1	2.52	0.038	1.16	0.2	9.3	0.22	0.14	109	<0.1	<0.02	8.1	5.38	0.2
S192229	Drill Core	0.094	13.3	33.0	0.81	109.3	0.026	<1	1.53	0.037	0.47	0.1	2.9	0.12	0.15	51	0.3	0.03	4.1	3.66	<0.1
S192230	Drill Core	0.100	15.8	52.0	0.97	142.1	0.045	<1	1.54	0.035	0.58	0.2	3.8	0.18	0.16	25	0.3	<0.02	5.4	2.69	<0.1
S192231	Drill Core	0.189	9.0	184.2	2.36	103.2	0.060	<1	2.84	0.027	0.65	0.2	13.5	0.17	0.12	26	<0.1	<0.02	10.3	2.53	<0.1
S192232	Drill Core	0.094	21.4	22.8	0.76	75.7	0.015	2	1.41	0.033	0.40	<0.1	2.5	0.11	0.11	12	0.2	<0.02	5.0	1.31	<0.1
S192233	Drill Core	0.162	8.5	91.4	2.30	69.6	0.058	<1	2.95	0.030	0.57	0.2	9.0	0.10	0.13	171	0.1	<0.02	11.6	0.94	0.2
S192234	Drill Core	0.170	7.6	51.9	2.09	81.3	0.119	<1	2.72	0.045	0.71	0.1	8.8	0.14	0.18	24	0.3	<0.02	12.2	1.15	0.1
S192235	Drill Core	0.163	5.9	31.4	1.86	139.3	0.198	2	2.70	0.046	1.30	0.2	4.7	0.20	0.22	22	<0.1	<0.02	9.1	1.73	0.2
S192236	Drill Core	0.128	4.5	35.4	2.07	143.1	0.259	5	2.66	0.058	1.19	0.2	5.1	0.19	0.24	16	0.2	<0.02	8.6	1.72	0.1
S192237	Drill Core	0.114	3.3	2.3	1.79	107.5	0.250	2	2.46	0.078	0.40	0.2	3.5	0.05	0.06	13	<0.1	<0.02	7.6	0.63	0.1
S192238	Drill Core	0.167	6.4	92.6	2.28	186.5	0.158	1	3.32	0.038	1.32	0.1	7.1	0.19	0.06	38	<0.1	<0.02	9.8	2.12	<0.1
S192239	Drill Core	0.141	7.4	39.6	2.02	83.9	0.054	2	3.22	0.035	0.65	<0.1	8.9	0.11	0.09	40	0.1	0.02	10.7	1.95	<0.1
S192240	Rock Pulp	0.061	4.0	34.1	0.84	101.8	0.139	3	1.77	0.106	0.15	0.2	5.6	0.06	0.62	55	0.7	0.08	5.4	0.44	<0.1
S192241	Drill Core	0.089	6.8	7.4	1.87	44.7	0.011	3	2.95	0.014	0.39	<0.1	3.4	0.06	<0.02	50	<0.1	<0.02	6.4	0.80	<0.1

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Project: TRX15-01
Report Date: November 17, 2015

CERTIFICATE OF ANALYSIS   SMI15000094.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192212	Drill Core	0.06	<0.02	13.2	0.1	<0.05	2.1	8.03	47.5	<0.02	<1	0.3	8.0	<10	<2
S192213	Drill Core	0.12	<0.02	13.1	<0.1	<0.05	3.4	6.59	45.7	<0.02	<1	0.6	7.0	<10	<2
S192214	Drill Core	0.11	0.05	14.0	<0.1	<0.05	4.0	7.44	31.5	<0.02	<1	0.6	9.5	<10	<2
S192215	Drill Core	0.08	<0.02	11.2	<0.1	<0.05	1.8	5.60	32.8	0.02	<1	0.5	14.3	<10	<2
S192216	Drill Core	0.18	0.08	14.3	0.1	<0.05	4.6	6.57	50.4	<0.02	<1	0.5	8.8	<10	<2
S192217	Drill Core	0.19	0.08	14.2	0.1	<0.05	5.6	6.40	47.6	<0.02	1	0.3	6.9	<10	3
S192218	Drill Core	0.16	0.05	14.7	0.2	<0.05	5.6	7.09	44.5	<0.02	<1	0.4	8.8	<10	<2
S192219	Drill Core	0.11	0.06	9.8	0.1	<0.05	3.9	6.38	22.5	<0.02	2	0.4	18.6	<10	5
S192220	Drill Core	0.25	0.14	17.6	0.3	<0.05	5.8	6.58	66.7	<0.02	<1	0.5	10.2	<10	<2
S192221	Drill Core	0.19	0.14	14.5	0.2	<0.05	4.8	7.49	64.2	<0.02	<1	0.4	10.5	<10	<2
S192222	Drill Core	0.16	0.05	13.6	0.2	<0.05	4.6	6.60	52.0	<0.02	<1	0.3	8.1	<10	<2
S192223	Drill Core	0.15	0.06	10.0	0.2	<0.05	4.4	5.96	24.0	0.02	<1	0.4	18.4	<10	5
S192224	Drill Core	0.17	0.06	9.9	0.2	<0.05	5.6	5.17	14.1	<0.02	<1	0.6	18.7	<10	5
S192225	Drill Core	0.21	0.05	7.8	0.2	<0.05	5.7	5.13	12.8	<0.02	2	0.6	18.9	<10	2
S192226	Drill Core	0.15	0.06	12.1	0.2	<0.05	4.7	5.39	14.6	<0.02	<1	0.5	22.6	<10	5
S192227	Drill Core	0.16	0.04	22.6	2.6	<0.05	4.1	5.36	14.4	<0.02	<1	0.7	19.1	<10	5
S192228	Drill Core	0.06	<0.02	35.9	0.3	<0.05	2.5	6.27	16.2	<0.02	2	0.9	17.2	<10	8
S192229	Drill Core	0.12	0.03	18.2	0.3	<0.05	3.1	5.25	27.4	<0.02	1	0.6	8.6	<10	5
S192230	Drill Core	0.11	0.07	24.8	0.4	<0.05	3.8	5.41	32.5	<0.02	3	0.4	10.9	<10	2
S192231	Drill Core	0.08	0.03	27.0	0.2	<0.05	1.9	7.68	17.5	0.03	4	0.6	26.1	<10	4
S192232	Drill Core	0.11	0.04	16.0	0.2	<0.05	2.9	6.37	43.3	0.02	<1	0.6	14.1	<10	3
S192233	Drill Core	0.04	0.05	19.4	0.3	<0.05	2.5	10.47	17.8	0.03	<1	0.4	28.1	<10	5
S192234	Drill Core	0.16	0.07	26.1	0.3	<0.05	4.2	8.59	17.2	<0.02	3	0.4	29.8	11	6
S192235	Drill Core	0.15	0.06	47.1	0.2	<0.05	5.0	7.31	12.5	<0.02	5	0.1	31.1	<10	7
S192236	Drill Core	0.22	0.06	39.1	0.3	<0.05	6.1	7.00	10.3	<0.02	3	0.3	23.1	<10	3
S192237	Drill Core	0.27	0.12	11.5	0.2	<0.05	8.3	5.53	7.5	<0.02	<1	0.4	17.8	<10	<2
S192238	Drill Core	0.11	0.04	44.5	0.3	<0.05	3.8	8.78	14.6	0.02	2	0.9	29.6	<10	2
S192239	Drill Core	0.06	<0.02	23.3	0.2	<0.05	1.8	8.89	16.0	0.04	3	0.3	30.4	<10	<2
S192240	Rock Pulp	0.22	0.07	5.2	1.4	<0.05	6.2	7.35	9.1	0.03	107	0.1	11.0	<10	<2
S192241	Drill Core	0.03	<0.02	13.8	<0.1	<0.05	0.5	8.12	15.6	<0.02	1	0.1	20.0	<10	<2

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Project: TRX15-01
Report Date: November 17, 2015

CERTIFICATE OF ANALYSIS SMI15000094.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192242	Drill Core	3.12	0.57	56.32	3.21	56.5	167	7.1	22.2	1210	4.52	27.9	<0.1	0.3	0.6	207.2	0.12	0.67	<0.02	50	7.01
S192243	Drill Core	2.54	3.52	59.06	8.44	122.1	179	63.3	28.0	1328	5.43	47.4	0.2	1.4	0.9	246.3	0.38	2.63	0.07	134	6.85
S192244	Drill Core	2.37	2.60	41.57	7.66	100.1	131	58.3	27.4	1255	5.79	35.0	0.2	<0.2	1.0	235.1	0.27	2.08	0.04	197	5.13
S192245 Dup of S192244	Core DUP	<0.01	2.62	40.96	7.30	100.6	135	59.0	28.1	1259	5.89	34.6	0.2	0.7	1.0	232.4	0.26	2.11	0.04	197	5.15
S192246	Drill Core	4.26	0.88	111.38	6.00	73.3	221	104.8	34.2	1326	5.72	24.7	0.4	<0.2	1.2	221.4	0.16	0.22	0.02	214	8.09
S192247	Drill Core	4.92	1.03	108.55	5.57	76.3	123	68.6	28.3	1204	5.44	9.9	0.5	3.4	1.2	166.3	0.16	0.17	<0.02	183	5.99
S192248	Drill Core	4.71	0.65	120.85	3.93	62.3	89	60.7	27.7	978	4.70	4.6	0.4	2.1	1.0	158.1	0.09	0.15	<0.02	138	5.30
S192249	Drill Core	4.88	0.67	130.67	14.09	64.8	189	127.7	35.8	1022	4.35	6.7	0.4	<0.2	1.0	178.6	0.14	0.17	<0.02	111	5.94
S192250	Rock	0.94	0.03	0.32	0.08	<0.1	<2	0.8	<0.1	19	0.03	<0.1	1.4	0.6	<0.1	3925.6	<0.01	<0.02	<0.02	<2	36.12
S192251	Drill Core	5.42	0.56	123.63	3.85	44.5	100	111.2	28.5	665	3.74	4.0	0.3	<0.2	0.8	127.3	0.06	0.08	<0.02	84	4.02

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Project: TRX15-01
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CERTIFICATE OF ANALYSIS SMI15000094.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192242	Drill Core	0.089	6.7	3.1	1.45	38.5	0.010	2	2.54	0.009	0.34	<0.1	2.8	0.05	0.12	28	<0.1	0.04	4.9	0.60	<0.1
S192243	Drill Core	0.117	6.2	232.9	2.90	37.9	0.037	<1	3.66	0.020	0.35	<0.1	9.8	0.08	0.14	20	<0.1	0.06	9.3	1.29	<0.1
S192244	Drill Core	0.114	6.5	271.7	3.67	41.3	0.113	<1	4.17	0.040	0.41	<0.1	14.7	0.12	0.06	14	<0.1	<0.02	12.8	1.81	<0.1
S192245 Dup of S192244	Core DUP	0.118	6.2	277.6	3.73	40.9	0.113	1	4.18	0.038	0.41	<0.1	15.0	0.12	0.06	15	0.2	<0.02	13.0	1.70	0.1
S192246	Drill Core	0.176	4.8	268.8	3.26	143.9	0.213	<1	3.75	0.032	1.15	0.2	17.9	0.23	0.23	15	0.2	<0.02	11.6	2.70	0.3
S192247	Drill Core	0.180	5.4	175.5	2.67	182.7	0.226	<1	3.34	0.044	1.31	0.3	11.1	0.19	0.26	7	0.3	<0.02	11.5	2.17	0.2
S192248	Drill Core	0.175	4.0	168.5	2.65	193.3	0.219	<1	2.99	0.045	1.32	0.2	4.6	0.17	0.29	12	<0.1	0.05	8.8	2.78	0.2
S192249	Drill Core	0.185	3.4	356.5	3.39	103.7	0.167	<1	3.17	0.023	0.86	0.1	4.3	0.16	0.11	<5	0.1	<0.02	8.6	3.92	0.1
S192250	Rock	0.004	<0.5	1.0	1.40	6.9	0.001	<1	0.03	0.003	<0.01	<0.1	0.2	<0.02	0.05	<5	<0.1	0.31	<0.1	<0.02	<0.1
S192251	Drill Core	0.188	2.7	303.7	2.89	136.8	0.148	<1	2.81	0.032	1.17	0.1	2.6	0.15	<0.02	11	<0.1	<0.02	6.7	2.72	<0.1

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CERTIFICATE OF ANALYSIS SMI15000094.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192242	Drill Core	<0.02	<0.02	9.9	<0.1	<0.05	0.4	7.33	14.6	<0.02	1	0.4	16.4	<10	<2
S192243	Drill Core	0.04	<0.02	15.2	0.3	<0.05	1.4	8.30	14.5	0.03	<1	0.4	30.3	<10	<2
S192244	Drill Core	0.11	0.04	20.8	0.3	<0.05	2.6	10.16	14.7	0.03	2	0.4	40.1	<10	<2
S192245 Dup of S192244	Core DUP	0.10	0.02	20.5	0.3	<0.05	3.5	9.96	14.4	0.05	<1	0.3	40.0	<10	<2
S192246	Drill Core	0.12	0.08	46.2	0.4	<0.05	3.2	7.28	10.4	0.02	2	0.4	34.3	13	3
S192247	Drill Core	0.16	0.08	41.6	0.3	<0.05	4.7	7.21	11.4	0.02	1	0.2	28.8	<10	5
S192248	Drill Core	0.20	0.09	40.5	0.2	<0.05	5.3	5.40	8.7	<0.02	2	0.5	25.4	<10	<2
S192249	Drill Core	0.12	0.05	35.8	0.2	<0.05	4.5	4.93	7.3	<0.02	<1	0.3	27.9	<10	9
S192250	Rock	<0.02	0.04	0.1	<0.1	<0.05	0.1	0.20	0.1	<0.02	<1	<0.1	0.3	<10	<2
S192251	Drill Core	0.12	0.03	37.1	<0.1	<0.05	3.1	3.03	5.4	<0.02	<1	0.3	28.2	<10	11

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QUALITY CONTROL REPORT SMI15000094.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
Pulp Duplicates																					
S192154	Drill Core	4.46	0.20	172.90	1.39	48.1	121	58.4	21.2	463	3.07	1.3	0.3	15.8	0.9	138.5	<0.01	0.05	<0.02	97	1.36
REP S192154	QC		0.22	168.51	1.43	43.7	115	56.4	20.3	465	3.07	1.3	0.3	13.7	0.9	130.9	0.01	0.04	<0.02	96	1.34
S192189	Drill Core	2.92	1.22	8.95	13.13	72.0	38	5.4	4.7	444	2.02	1.0	1.4	1.2	7.8	317.4	0.07	0.10	0.05	13	2.70
REP S192189	QC		1.19	9.62	13.07	72.4	40	6.2	4.6	448	2.00	1.1	1.5	0.2	8.1	299.2	0.07	0.10	0.04	13	2.65
S192224	Drill Core	2.57	0.56	189.16	4.30	51.0	96	54.0	22.3	755	3.75	5.5	0.7	0.6	1.8	372.4	0.05	0.45	<0.02	111	6.03
REP S192224	QC		0.51	189.02	4.09	52.4	116	54.5	22.3	741	3.78	5.6	0.7	<0.2	1.7	368.3	0.03	0.47	<0.02	109	5.94
S192251	Drill Core	5.42	0.56	123.63	3.85	44.5	100	111.2	28.5	665	3.74	4.0	0.3	<0.2	0.8	127.3	0.06	0.08	<0.02	84	4.02
REP S192251	QC		0.57	128.48	3.97	45.7	126	112.4	29.8	712	3.79	3.9	0.3	1.5	0.8	130.8	0.06	0.10	<0.02	85	4.11
Core Reject Duplicates																					
S192180	Drill Core	5.53	0.05	167.03	1.29	46.3	81	57.9	21.3	518	3.13	1.3	0.4	2.4	1.1	179.7	0.03	0.07	<0.02	104	1.65
DUP S192180	QC		0.05	166.56	1.30	45.3	82	57.8	21.2	496	3.14	1.0	0.4	3.4	1.1	164.9	0.01	0.06	<0.02	103	1.63
S192214	Drill Core	2.65	1.68	14.32	9.34	44.4	56	9.9	6.2	645	2.30	3.0	1.6	1.4	6.9	250.0	0.03	0.16	0.15	14	4.15
DUP S192214	QC		1.71	14.30	8.54	43.7	40	9.5	5.8	624	2.15	2.7	1.7	0.4	7.1	247.2	0.02	0.15	0.13	13	4.07
S192248	Drill Core	4.71	0.65	120.85	3.93	62.3	89	60.7	27.7	978	4.70	4.6	0.4	2.1	1.0	158.1	0.09	0.15	<0.02	138	5.30
DUP S192248	QC		0.62	125.84	3.99	62.7	117	64.3	28.2	971	4.72	4.5	0.4	1.5	1.0	166.7	0.13	0.19	<0.02	139	5.35
Reference Materials																					
STD DS10	Standard		15.46	155.26	160.18	369.1	1995	74.8	12.7	889	2.84	45.3	3.0	87.3	8.4	68.8	2.41	8.59	11.75	44	1.11
STD DS10	Standard		15.34	155.38	153.77	368.0	2040	76.1	12.4	883	2.80	46.2	2.9	91.6	7.8	74.1	2.61	8.26	13.01	43	1.09
STD DS10	Standard		15.97	154.54	156.31	369.0	2055	77.1	12.8	916	2.87	46.9	2.9	90.8	8.0	74.7	2.54	8.57	13.24	43	1.11
STD DS10	Standard		15.09	152.78	147.85	367.8	1970	76.3	13.1	875	2.76	44.1	2.7	74.2	7.5	71.1	2.54	7.80	12.18	42	1.08
STD OXC129	Standard		1.15	24.98	6.37	38.0	30	72.8	18.2	395	3.04	0.5	0.7	186.4	1.8	169.8	0.02	0.03	<0.02	50	0.66
STD OXC129	Standard		1.24	28.68	6.71	41.4	20	79.4	20.4	412	3.15	0.9	0.8	207.2	2.0	201.9	0.04	0.03	<0.02	51	0.70
STD OXC129	Standard		1.35	28.72	6.25	42.6	24	82.2	21.0	440	3.16	0.9	0.7	196.2	1.8	211.7	0.01	0.02	<0.02	52	0.72
STD OXC129	Standard		1.37	29.67	7.04	44.8	27	87.1	21.6	458	3.26	0.5	0.8	196.1	2.1	220.6	0.03	0.03	<0.02	54	0.76
STD DS10 Expected			15.1	154.61	150.55	370	2020	74.6	12.9	875	2.7188	46.2	2.59	91.9	7.5	67.1	2.62	9	11.65	43	1.0625
STD OXC129 Expected			1.3	28	6.3	42.9	28	79.5	20.3	421	3.065	0.6	0.72	195	1.9		0.03	0.04		51	0.665
BLK	Blank		<0.01	<0.01	<0.01	<0.1	3	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.3	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01

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Project: TRX15-01
Report Date: November 17, 2015

QUALITY CONTROL REPORT SMI15000094.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
Pulp Duplicates																					
S192154	Drill Core	0.223	4.0	158.6	2.21	87.8	0.170	<1	2.16	0.053	1.87	<0.1	2.5	0.06	<0.02	<5	<0.1	<0.02	6.0	3.03	0.1
REP S192154	QC	0.227	3.8	157.6	2.21	84.8	0.167	3	2.17	0.052	1.86	<0.1	2.4	0.06	<0.02	6	<0.1	<0.02	5.6	2.98	<0.1
S192189	Drill Core	0.083	16.4	7.6	0.60	151.7	0.050	3	1.38	0.035	0.60	<0.1	1.4	0.21	0.06	33	0.2	<0.02	4.1	2.08	<0.1
REP S192189	QC	0.084	15.7	8.2	0.59	143.1	0.050	2	1.35	0.035	0.59	<0.1	1.2	0.22	0.06	39	0.2	<0.02	4.2	2.02	<0.1
S192224	Drill Core	0.214	6.9	158.9	1.99	99.9	0.134	<1	1.95	0.055	0.36	0.3	8.0	0.08	0.08	100	<0.1	<0.02	6.3	1.48	0.2
REP S192224	QC	0.209	6.9	159.9	2.00	97.5	0.131	2	1.94	0.055	0.35	0.3	7.7	0.07	0.08	110	<0.1	<0.02	6.7	1.35	<0.1
S192251	Drill Core	0.188	2.7	303.7	2.89	136.8	0.148	<1	2.81	0.032	1.17	0.1	2.6	0.15	<0.02	11	<0.1	<0.02	6.7	2.72	<0.1
REP S192251	QC	0.186	2.9	322.4	2.95	145.8	0.151	<1	2.88	0.031	1.19	0.1	2.9	0.16	<0.02	8	<0.1	<0.02	7.1	2.93	<0.1
Core Reject Duplicates																					
S192180	Drill Core	0.221	6.6	154.3	2.33	87.0	0.170	3	2.31	0.074	1.83	<0.1	3.2	0.06	<0.02	10	<0.1	<0.02	6.4	3.70	<0.1
DUP S192180	QC	0.233	6.4	149.7	2.34	78.4	0.169	3	2.27	0.067	1.83	<0.1	2.7	0.05	<0.02	12	<0.1	0.04	5.7	3.63	<0.1
S192214	Drill Core	0.089	15.5	15.1	0.74	61.1	0.002	2	1.34	0.029	0.31	<0.1	2.2	0.08	0.16	<5	<0.1	<0.02	4.4	1.29	<0.1
DUP S192214	QC	0.090	14.9	13.7	0.71	53.4	0.002	2	1.26	0.027	0.28	<0.1	1.9	0.07	0.15	<5	<0.1	<0.02	4.1	1.16	<0.1
S192248	Drill Core	0.175	4.0	168.5	2.65	193.3	0.219	<1	2.99	0.045	1.32	0.2	4.6	0.17	0.29	12	<0.1	0.05	8.8	2.78	0.2
DUP S192248	QC	0.188	4.1	168.5	2.62	201.5	0.221	<1	2.98	0.046	1.31	0.2	4.8	0.17	0.30	6	0.2	0.03	8.9	2.95	0.1
Reference Materials																					
STD DS10	Standard	0.077	18.5	55.7	0.80	366.6	0.081	6	1.10	0.072	0.35	3.3	3.2	5.58	0.27	333	2.6	5.43	4.8	2.74	<0.1
STD DS10	Standard	0.079	18.3	55.0	0.79	354.3	0.080	7	1.09	0.070	0.34	3.1	3.0	5.38	0.28	287	2.2	5.10	4.4	2.73	<0.1
STD DS10	Standard	0.076	18.1	58.6	0.81	357.8	0.084	5	1.10	0.073	0.35	3.3	3.1	5.47	0.28	314	2.4	5.43	4.2	2.79	<0.1
STD DS10	Standard	0.073	17.1	55.4	0.78	343.6	0.080	6	1.07	0.070	0.34	3.1	3.0	5.04	0.27	316	2.2	4.68	4.5	2.60	<0.1
STD OXC129	Standard	0.098	12.3	50.3	1.53	51.1	0.379	<1	1.54	0.597	0.36	<0.1	1.6	0.04	<0.02	<5	<0.1	<0.02	5.8	0.16	0.1
STD OXC129	Standard	0.105	12.5	52.3	1.59	48.3	0.405	1	1.59	0.606	0.37	<0.1	1.1	0.03	<0.02	<5	<0.1	0.03	5.7	0.15	0.1
STD OXC129	Standard	0.109	12.1	54.1	1.59	50.7	0.417	<1	1.63	0.614	0.37	<0.1	1.0	0.03	<0.02	<5	0.1	0.07	5.9	0.16	<0.1
STD OXC129	Standard	0.111	13.3	56.2	1.65	54.6	0.444	1	1.72	0.643	0.39	<0.1	1.0	0.03	<0.02	<5	0.1	<0.02	6.0	0.18	<0.1
STD DS10 Expected		0.0765	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	3	5.1	0.29	300	2.3	5.01	4.5	2.63	0.08
STD OXC129 Expected		0.102	13	52	1.545	50	0.4	1	1.58	0.6	0.37	0.08	1.1	0.03					5.6	0.16	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	0.06	<0.1	<0.02	<0.1

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Project: TRX15-01

Report Date: November 17, 2015

QUALITY CONTROL REPORT SMI15000094.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates															
S192154	Drill Core	0.08	0.03	45.4	0.1	<0.05	3.4	2.73	7.4	<0.02	<1	0.5	25.4	<10	7
REP S192154	QC	0.09	0.03	44.2	0.1	<0.05	3.3	2.69	7.3	<0.02	<1	0.5	26.6	<10	<2
S192189	Drill Core	0.10	0.12	28.4	0.3	<0.05	2.8	5.40	32.6	<0.02	<1	0.4	12.1	<10	<2
REP S192189	QC	0.08	0.09	27.3	0.3	<0.05	2.6	5.24	31.3	<0.02	<1	0.5	12.3	<10	2
S192224	Drill Core	0.17	0.06	9.9	0.2	<0.05	5.6	5.17	14.1	<0.02	<1	0.6	18.7	<10	5
REP S192224	QC	0.13	0.06	9.9	0.2	<0.05	5.8	5.34	13.3	<0.02	<1	0.6	19.8	<10	6
S192251	Drill Core	0.12	0.03	37.1	<0.1	<0.05	3.1	3.03	5.4	<0.02	<1	0.3	28.2	<10	11
REP S192251	QC	0.10	0.04	41.5	0.1	<0.05	3.3	3.40	5.7	<0.02	<1	0.2	27.0	11	7
Core Reject Duplicates															
S192180	Drill Core	0.09	0.04	47.2	0.1	<0.05	3.6	4.19	12.7	<0.02	<1	0.2	29.1	14	<2
DUP S192180	QC	0.12	0.04	45.5	0.1	<0.05	3.3	3.94	12.2	<0.02	<1	0.3	29.3	<10	4
S192214	Drill Core	0.11	0.05	14.0	<0.1	<0.05	4.0	7.44	31.5	<0.02	<1	0.6	9.5	<10	<2
DUP S192214	QC	0.14	0.04	12.6	0.1	<0.05	3.8	7.04	28.7	0.02	2	0.5	8.8	<10	4
S192248	Drill Core	0.20	0.09	40.5	0.2	<0.05	5.3	5.40	8.7	<0.02	2	0.5	25.4	<10	<2
DUP S192248	QC	0.15	0.08	41.7	0.3	<0.05	5.0	5.75	9.0	<0.02	3	0.2	24.7	13	7
Reference Materials															
STD DS10	Standard	0.04	1.65	30.0	1.8	<0.05	3.0	8.36	39.6	0.22	54	0.8	20.8	98	202
STD DS10	Standard	0.07	1.50	28.0	1.8	<0.05	2.7	8.11	38.9	0.24	37	0.4	19.9	124	181
STD DS10	Standard	0.07	1.64	28.2	1.6	<0.05	2.8	7.94	38.5	0.27	59	0.7	21.5	104	188
STD DS10	Standard	0.05	1.55	27.6	1.6	<0.05	2.6	7.70	36.9	0.23	58	0.4	19.0	113	178
STD OXC129	Standard	0.31	1.20	14.9	0.7	<0.05	21.4	4.28	24.3	<0.02	<1	0.7	2.3	<10	5
STD OXC129	Standard	0.17	1.23	15.1	0.8	<0.05	17.6	4.84	23.4	<0.02	2	0.5	2.5	<10	<2
STD OXC129	Standard	0.18	1.13	15.9	0.7	<0.05	19.8	4.95	23.4	<0.02	<1	0.9	2.1	<10	<2
STD OXC129	Standard	0.21	1.13	16.4	0.9	<0.05	18.7	5.10	26.2	<0.02	<1	0.7	2.0	<10	<2
STD DS10 Expected		0.06	1.62	27.7	1.6		2.7	7.77	37	0.23	50	0.63	19.4	110	191
STD OXC129 Expected		0.24	1.4		0.7		21	4.7	23.7			0.8	2.22		
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	1	<0.1	<0.1	<10	<2

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QUALITY CONTROL REPORT SMI15000094.1

		WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	5	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	0.02	<0.01	<0.1	2	0.1	<0.1	2	<0.01	<0.1	<0.1	<0.2	<0.1	0.6	<0.01	<0.02	<0.02	<2	<0.01
Prep Wash																					
ROCK-SMI	Prep Blank		0.60	3.12	1.11	31.3	16	1.2	3.8	479	1.78	1.2	0.4	<0.2	2.4	31.9	0.02	0.03	<0.02	23	0.73
ROCK-SMI	Prep Blank		0.73	3.28	1.21	32.9	12	1.0	3.5	509	1.83	1.5	0.4	0.3	2.4	31.2	0.01	<0.02	<0.02	24	0.66

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		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	7	0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	0.1	<0.02	<0.1	<0.02	<0.1
Prep Wash																					
ROCK-SMI	Prep Blank	0.041	6.0	9.0	0.44	71.6	0.081	1	0.95	0.081	0.08	0.1	3.1	<0.02	<0.02	<5	<0.1	0.03	4.1	0.12	0.1
ROCK-SMI	Prep Blank	0.043	6.9	3.4	0.46	76.9	0.085	<1	1.00	0.093	0.09	<0.1	3.0	<0.02	<0.02	<5	<0.1	<0.02	4.0	0.11	<0.1

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		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	2	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
Prep Wash															
ROCK-SMI	Prep Blank	0.16	0.16	2.3	0.3	<0.05	4.4	8.15	12.3	<0.02	2	0.1	2.3	<10	<2
ROCK-SMI	Prep Blank	0.14	0.14	2.4	0.4	<0.05	4.2	8.39	14.0	<0.02	<1	0.2	2.6	<10	<2

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **Equity Exploration Consultants Ltd.**
#1510 - 250 Howe St.
Vancouver BC V6C 3R8 CANADA

Submitted By:	Thomas Branson
Receiving Lab:	Canada-Smithers
Received:	November 04, 2015
Report Date:	November 21, 2015
Page:	1 of 6

CERTIFICATE OF ANALYSIS SMI15000104.1

CLIENT JOB INFORMATION

Project:	TRX15-01
Shipment ID:	TRX15-01_2
P.O. Number	TRX15-01_2
Number of Samples:	150

SAMPLE DISPOSAL

RTRN-PLP	Return
DISP-RJT	Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	143	Crush, split and pulverize 250 g rock to 200 mesh			SMI
SLBHP	4	Sort, label and box pulps			SMI
SPTRF	3	Split samples by riffle splitter			SMI
PUL85	3	Pulverize to 85% passing 200 mesh			VAN
AQ251_EXT	150	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Equity Exploration Consultants Ltd.
#1510 - 250 Howe St.
Vancouver BC V6C 3R8
CANADA

CC: Ron Voordouw
Michael Pond

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Geochemical Laboratory Manager

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Equity Exploration Consultants Ltd.**
#1510 - 250 Howe St.
Vancouver BC V6C 3R8 CANADA

Project: TRX15-01
Report Date: November 21, 2015

CERTIFICATE OF ANALYSIS SMI15000104.1

Method		WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192252	Drill Core	2.54	9.07	81.07	8.50	88.3	651	28.4	19.8	720	4.43	5.0	0.5	<0.2	1.1	173.4	0.28	2.04	0.06	113	5.51
S192253	Drill Core	2.36	33.35	65.15	15.71	94.0	167	74.3	11.6	554	3.29	11.3	0.9	<0.2	1.2	243.0	0.61	1.51	0.11	56	10.51
S192254	Drill Core	1.91	38.11	68.87	14.03	87.1	185	89.2	12.9	499	3.40	17.5	0.9	<0.2	1.3	219.2	0.56	1.33	0.12	59	9.62
S192255	Drill Core	1.09	4.58	57.58	8.21	165.0	211	29.2	16.1	643	3.61	11.4	0.4	<0.2	1.1	157.1	1.19	1.58	0.06	98	5.40
S192256	Drill Core	1.54	4.94	66.44	7.68	137.5	201	28.6	21.0	669	4.45	5.5	0.5	<0.2	1.0	147.3	1.03	1.08	0.06	105	5.43
S192257	Drill Core	1.58	2.82	57.70	5.03	93.5	112	19.0	19.5	718	4.17	3.0	0.5	<0.2	1.0	116.2	0.30	0.69	0.03	140	4.21
S192258	Drill Core	1.29	6.72	61.90	7.14	169.6	123	35.9	15.1	741	4.41	8.3	0.5	<0.2	1.4	175.9	1.36	1.18	0.08	128	6.68
S192259	Drill Core	3.16	2.10	67.88	3.97	85.0	89	14.0	20.4	857	4.55	1.6	0.4	1.1	1.0	152.2	0.23	0.59	<0.02	150	5.60
S192260	Drill Core	4.08	2.17	59.46	5.99	160.9	131	22.9	18.1	726	4.44	13.2	0.4	<0.2	1.2	171.1	1.42	1.87	0.05	108	5.24
S192261	Drill Core	3.50	3.19	52.38	7.88	98.2	309	20.4	19.1	836	4.87	80.4	0.3	4.7	0.9	203.6	0.39	3.24	0.04	105	6.78
S192262	Drill Core	3.31	2.62	54.89	8.84	103.0	485	20.7	20.3	905	4.58	15.9	0.3	0.5	0.9	183.4	0.42	2.61	0.03	82	6.90
S192263	Drill Core	1.11	5.08	56.06	6.65	186.0	272	31.1	14.1	834	3.68	537.4	0.3	0.3	1.2	231.8	1.69	26.16	0.07	83	8.17
S192264	Drill Core	2.29	2.60	59.16	5.80	84.9	221	16.9	21.6	678	4.76	19.0	0.2	0.7	0.9	178.1	0.21	2.32	<0.02	96	4.39
S192265	Drill Core	0.80	2.56	60.07	5.81	96.1	213	18.3	21.5	726	4.54	21.9	0.3	1.1	0.9	176.8	0.22	2.92	0.04	105	4.64
S192266	Drill Core	2.82	3.72	59.98	7.41	180.5	139	27.3	21.0	850	5.01	26.6	0.3	<0.2	1.3	251.7	1.39	5.02	0.05	114	6.33
S192267	Drill Core	2.70	3.80	59.52	7.36	205.0	133	25.7	16.4	901	4.08	27.9	0.4	<0.2	1.3	318.7	1.80	4.80	0.05	75	9.28
S192268	Drill Core	3.14	2.86	57.05	14.18	101.0	764	21.5	16.9	777	4.43	56.1	0.2	0.8	0.9	279.6	0.41	5.24	0.06	51	7.94
S192269	Drill Core	3.14	1.58	56.41	9.61	93.0	384	22.2	14.6	642	3.78	17.5	0.2	<0.2	0.9	203.3	0.30	1.49	0.06	34	8.18
S192270	Drill Core	2.03	1.66	58.13	6.25	94.9	149	13.9	18.1	753	4.59	8.6	0.3	0.4	0.9	211.5	0.27	1.07	<0.02	86	6.12
S192271	Drill Core	1.98	6.55	56.14	8.72	154.8	120	33.6	14.5	750	4.07	5.0	0.4	<0.2	1.0	222.7	1.42	1.19	0.06	58	8.26
S192272	Drill Core	1.35	2.70	60.70	4.74	92.1	82	20.7	20.2	873	4.67	3.8	0.5	<0.2	1.1	168.8	0.18	0.59	0.03	132	5.42
S192273	Drill Core	2.79	5.48	61.98	6.41	120.5	88	31.7	15.5	622	4.02	11.4	0.5	0.2	1.2	174.8	0.67	0.69	0.07	88	5.02
S192274	Drill Core	1.78	2.84	59.37	4.69	99.7	80	18.9	21.0	801	4.65	3.6	0.4	<0.2	1.0	172.7	0.34	1.05	0.02	139	4.82
S192275	Drill Core	2.40	2.65	50.89	6.81	84.3	151	21.9	16.1	760	4.31	5.9	0.4	<0.2	1.2	234.3	0.27	1.74	0.04	63	7.29
S192276	Drill Core	1.71	2.20	95.76	3.06	98.8	65	28.9	29.0	1116	6.04	4.5	0.4	0.9	0.8	150.2	0.21	0.31	0.02	215	5.06
S192277	Drill Core	3.64	3.41	61.34	3.71	102.2	97	20.3	22.6	934	5.04	4.5	0.5	1.2	1.0	135.8	0.45	0.66	0.02	166	5.29
S192278	Drill Core	4.41	3.38	69.99	13.60	261.7	389	28.8	18.1	765	4.26	4.3	0.4	<0.2	1.3	212.7	3.19	1.30	0.11	102	5.52
S192279	Drill Core	2.93	11.19	71.59	16.72	159.8	432	34.7	14.1	682	3.77	27.9	0.5	<0.2	1.6	259.8	1.53	2.42	0.16	50	8.03
S192280	Rock Pulp	0.12	280.32	2465.44	78.83	481.7	2689	14.8	11.1	785	4.36	28.5	0.7	284.3	3.3	58.0	2.25	1.56	1.11	34	0.85
S192281	Drill Core	3.71	18.67	67.89	10.40	122.8	338	49.8	13.2	602	3.63	13.2	0.9	<0.2	1.6	266.6	0.88	1.47	0.12	58	7.69

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Project: TRX15-01
Report Date: November 21, 2015

CERTIFICATE OF ANALYSIS SMI15000104.1

Method		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
MDL		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192252	Drill Core	0.179	7.3	26.5	1.37	53.7	0.159	2	1.88	0.095	0.31	2.7	6.2	0.33	3.27	<5	0.7	<0.02	6.6	0.86	<0.1
S192253	Drill Core	0.155	7.1	28.7	0.83	46.5	0.128	2	1.70	0.081	0.32	0.5	3.1	0.39	2.36	<5	1.3	0.03	4.2	1.04	<0.1
S192254	Drill Core	0.167	6.6	33.5	0.89	39.1	0.132	2	1.73	0.081	0.32	0.6	3.2	0.43	2.25	7	1.6	0.03	4.2	0.95	<0.1
S192255	Drill Core	0.129	7.8	28.5	1.12	78.6	0.159	<1	1.81	0.101	0.50	0.3	5.0	0.53	2.32	13	2.0	0.03	5.4	1.05	<0.1
S192256	Drill Core	0.131	6.6	23.8	1.48	71.5	0.184	2	1.98	0.079	0.63	0.3	5.8	0.56	3.09	<5	1.9	0.03	6.2	1.20	<0.1
S192257	Drill Core	0.147	6.2	31.9	1.60	92.7	0.240	<1	1.91	0.098	0.85	0.2	9.0	0.56	2.56	<5	0.8	<0.02	7.5	1.43	<0.1
S192258	Drill Core	0.116	7.3	28.2	1.19	69.6	0.179	<1	1.87	0.061	0.63	0.2	4.9	0.45	2.85	6	3.3	<0.02	5.5	1.19	<0.1
S192259	Drill Core	0.175	6.9	27.1	1.70	87.5	0.248	<1	2.32	0.092	0.98	0.3	9.1	0.55	2.75	<5	0.6	<0.02	8.7	1.73	<0.1
S192260	Drill Core	0.131	7.4	29.7	1.44	64.0	0.180	<1	1.86	0.053	0.57	0.2	5.9	0.30	3.07	<5	1.9	<0.02	6.6	1.25	<0.1
S192261	Drill Core	0.144	7.0	21.0	1.70	64.6	0.060	1	2.27	0.037	0.67	0.2	5.7	0.41	3.15	<5	1.2	<0.02	6.7	1.81	<0.1
S192262	Drill Core	0.148	7.4	22.1	1.66	49.5	0.073	1	1.95	0.033	0.39	0.2	4.0	0.24	2.88	<5	1.1	<0.02	5.5	0.90	<0.1
S192263	Drill Core	0.120	7.5	18.9	1.33	55.0	0.028	<1	1.85	0.029	0.44	0.1	3.1	0.25	2.24	19	2.6	0.03	4.9	1.12	<0.1
S192264	Drill Core	0.162	6.7	22.5	1.91	65.8	0.104	<1	2.11	0.037	0.64	<0.1	5.9	0.41	3.06	<5	0.6	<0.02	7.1	2.03	<0.1
S192265	Drill Core	0.167	6.9	24.8	1.91	86.5	0.106	2	2.40	0.052	0.71	<0.1	6.5	0.45	2.80	<5	0.6	<0.02	7.4	2.05	<0.1
S192266	Drill Core	0.141	7.8	32.2	1.94	69.8	0.116	<1	2.30	0.036	0.49	0.1	5.2	0.27	3.18	7	1.9	<0.02	6.6	1.51	<0.1
S192267	Drill Core	0.141	8.1	19.9	1.24	47.4	0.070	2	1.60	0.031	0.30	0.2	3.7	0.17	2.67	<5	2.0	0.02	4.6	0.90	<0.1
S192268	Drill Core	0.126	7.5	14.9	0.85	78.1	0.045	3	1.69	0.028	0.49	0.6	3.5	0.33	3.25	15	1.3	0.04	3.7	1.82	<0.1
S192269	Drill Core	0.115	7.6	14.4	0.79	56.8	0.088	1	1.50	0.027	0.41	0.5	2.4	0.27	2.77	22	1.6	0.05	3.0	0.88	<0.1
S192270	Drill Core	0.154	7.9	17.5	1.45	64.3	0.152	<1	2.00	0.060	0.69	0.4	4.8	0.53	3.31	6	0.7	0.03	6.0	1.57	<0.1
S192271	Drill Core	0.127	7.6	13.5	1.02	56.9	0.119	2	1.58	0.036	0.46	0.4	2.8	0.36	2.74	12	1.9	0.02	3.6	1.07	<0.1
S192272	Drill Core	0.156	7.0	31.4	1.75	95.7	0.245	<1	2.25	0.086	0.91	0.2	8.4	0.55	2.68	6	0.7	<0.02	7.5	1.37	<0.1
S192273	Drill Core	0.109	6.2	20.6	1.20	94.7	0.201	<1	1.95	0.084	0.72	0.2	4.3	0.48	2.57	10	1.8	0.03	5.0	1.06	<0.1
S192274	Drill Core	0.160	6.8	31.9	1.85	87.0	0.256	<1	2.24	0.076	0.99	0.2	9.4	0.56	2.92	5	0.7	0.04	8.2	1.85	<0.1
S192275	Drill Core	0.128	6.7	21.6	1.11	79.4	0.175	<1	1.75	0.072	0.60	0.2	4.0	0.28	3.09	<5	0.8	0.05	4.6	0.94	<0.1
S192276	Drill Core	0.165	5.4	57.1	2.59	48.5	0.301	<1	3.21	0.148	1.82	0.1	15.2	0.69	2.54	<5	0.6	<0.02	10.4	2.92	0.2
S192277	Drill Core	0.156	5.8	24.7	1.83	71.5	0.267	<1	2.36	0.100	1.18	0.1	11.6	0.49	2.79	<5	1.1	0.04	8.9	1.49	0.2
S192278	Drill Core	0.115	7.1	30.1	1.16	100.7	0.190	2	2.11	0.127	0.65	0.3	5.8	0.42	2.65	<5	3.6	0.06	6.0	1.10	<0.1
S192279	Drill Core	0.129	8.1	20.9	0.92	53.6	0.093	1	1.69	0.045	0.34	0.4	2.7	0.37	2.63	8	1.6	0.10	3.8	1.04	<0.1
S192280	Rock Pulp	0.074	4.3	21.0	0.61	56.8	0.045	3	1.79	0.057	0.32	1.1	2.8	0.29	2.22	39	3.3	0.72	4.8	3.51	<0.1
S192281	Drill Core	0.127	8.7	26.2	0.92	67.1	0.114	1	1.68	0.053	0.38	0.3	3.1	0.53	2.53	10	1.5	0.06	4.1	0.99	<0.1

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Project: TRX15-01
Report Date: November 21, 2015

CERTIFICATE OF ANALYSIS SMI15000104.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192252	Drill Core	0.17	0.15	14.7	0.4	<0.05	5.4	10.95	14.5	0.04	4	0.4	23.0	<10	<2
S192253	Drill Core	0.22	0.11	16.6	0.3	<0.05	8.6	13.08	12.9	0.03	27	0.4	16.7	<10	<2
S192254	Drill Core	0.24	0.10	17.7	0.3	<0.05	10.3	13.19	12.3	0.02	21	0.5	17.3	<10	<2
S192255	Drill Core	0.14	0.10	22.7	0.3	<0.05	4.4	10.66	14.7	0.04	2	0.3	15.4	<10	<2
S192256	Drill Core	0.17	0.09	24.1	0.3	<0.05	5.9	9.93	13.3	0.03	4	0.3	18.2	<10	<2
S192257	Drill Core	0.22	0.12	27.8	0.4	<0.05	6.7	10.90	13.1	0.02	3	0.2	17.4	<10	<2
S192258	Drill Core	0.20	0.09	24.1	0.4	<0.05	6.4	12.11	13.9	0.03	8	0.4	15.1	<10	<2
S192259	Drill Core	0.22	0.13	34.6	0.5	<0.05	6.3	12.20	15.1	0.02	2	0.3	19.9	<10	<2
S192260	Drill Core	0.17	0.11	20.8	0.4	<0.05	5.0	12.03	14.6	0.02	2	0.3	18.8	<10	<2
S192261	Drill Core	0.07	0.03	26.6	0.2	<0.05	2.5	10.89	14.1	0.04	3	0.6	22.1	<10	<2
S192262	Drill Core	0.07	0.05	15.8	0.2	<0.05	2.6	11.16	15.0	0.03	2	0.4	24.1	<10	<2
S192263	Drill Core	0.07	0.03	16.4	0.1	<0.05	3.3	11.06	14.3	0.03	4	0.5	21.1	<10	<2
S192264	Drill Core	0.03	0.03	24.2	0.3	<0.05	1.8	11.19	14.0	0.03	1	0.3	23.1	<10	<2
S192265	Drill Core	0.05	0.05	26.5	0.3	<0.05	2.4	11.78	14.4	0.03	2	0.5	23.4	<10	2
S192266	Drill Core	0.08	0.06	17.1	0.3	<0.05	3.0	12.36	15.3	0.04	5	0.6	28.8	<10	<2
S192267	Drill Core	0.08	0.06	10.8	0.3	<0.05	3.0	11.70	15.8	0.03	4	0.4	19.5	<10	<2
S192268	Drill Core	0.07	0.04	19.1	0.2	<0.05	2.4	10.13	13.8	0.03	2	0.7	13.3	<10	<2
S192269	Drill Core	0.09	0.08	15.8	0.2	<0.05	2.4	9.09	12.5	0.03	3	0.5	12.0	<10	<2
S192270	Drill Core	0.09	0.09	28.7	0.3	<0.05	2.5	9.96	15.4	0.03	2	0.4	14.2	<10	<2
S192271	Drill Core	0.11	0.09	18.1	0.2	<0.05	4.2	9.52	13.9	0.03	8	0.4	12.6	<10	<2
S192272	Drill Core	0.21	0.12	27.7	0.4	<0.05	6.8	11.12	14.0	0.03	4	0.4	17.0	<10	<2
S192273	Drill Core	0.20	0.10	25.2	0.3	<0.05	7.0	10.64	12.2	0.02	4	0.3	14.1	<10	<2
S192274	Drill Core	0.19	0.09	29.9	0.5	<0.05	5.8	11.54	14.4	0.03	3	0.3	20.1	<10	<2
S192275	Drill Core	0.15	0.10	21.6	0.4	<0.05	5.3	11.02	12.8	<0.02	2	0.2	12.7	<10	<2
S192276	Drill Core	0.18	0.15	51.7	0.4	<0.05	5.3	10.20	12.1	0.03	2	0.2	25.8	<10	<2
S192277	Drill Core	0.17	0.13	32.0	0.4	<0.05	5.7	10.69	12.3	0.03	3	0.3	20.0	<10	<2
S192278	Drill Core	0.13	0.10	26.2	0.4	<0.05	4.0	11.66	12.9	0.03	4	0.4	15.3	16	<2
S192279	Drill Core	0.13	0.08	16.0	0.2	<0.05	5.4	10.25	14.0	0.04	6	0.4	15.9	<10	<2
S192280	Rock Pulp	0.02	0.13	14.4	0.6	<0.05	0.9	4.70	8.5	0.11	264	0.4	17.5	<10	<2
S192281	Drill Core	0.19	0.07	18.9	0.2	<0.05	8.1	10.68	14.2	0.02	12	0.4	13.5	<10	<2

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Project: TRX15-01
Report Date: November 21, 2015

CERTIFICATE OF ANALYSIS SMI15000104.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192282	Drill Core	1.46	1.92	47.68	7.24	89.0	212	12.5	16.3	760	4.23	4.6	0.3	<0.2	1.2	225.1	0.34	1.72	0.07	74	5.52
S192283	Drill Core	2.48	5.90	79.26	36.03	157.7	513	32.4	15.4	651	4.24	72.8	0.3	0.5	1.6	226.1	1.43	3.28	0.48	96	4.49
S192284	Drill Core	2.55	2.25	97.54	4.47	95.2	105	24.2	26.0	862	4.94	3.6	0.2	1.4	0.8	184.5	0.24	1.25	0.08	193	3.67
S192285 Dup of S192284	Core DUP		2.03	91.36	4.47	85.5	97	22.3	23.5	803	4.54	3.2	0.2	2.9	0.7	182.8	0.25	1.24	0.10	173	3.38
S192286	Drill Core	3.35	0.84	134.11	1.39	57.3	86	35.4	29.0	639	4.51	6.6	0.1	3.6	0.5	191.5	0.15	0.72	0.28	168	3.59
S192287	Drill Core	2.99	0.71	122.65	1.46	55.7	95	33.1	26.1	665	4.38	10.8	0.2	2.7	0.5	189.4	0.16	0.60	0.03	162	3.35
S192288	Drill Core	3.18	10.75	85.78	4.33	77.0	151	24.0	24.8	923	5.59	19.5	0.3	0.5	1.2	169.1	0.13	1.45	0.08	174	2.87
S192289	Drill Core	2.50	1.59	93.37	2.80	83.1	104	15.0	19.8	802	4.45	4.3	0.3	0.6	1.1	134.6	0.15	0.09	0.07	155	3.24
S192290	Rock	1.00	0.05	0.87	0.14	0.5	4	0.1	<0.1	18	0.03	0.4	1.5	<0.2	<0.1	3338.5	<0.01	<0.02	<0.02	<2	33.97
S192291	Drill Core	2.48	0.39	42.28	2.29	83.7	58	8.6	23.2	973	5.11	3.8	0.2	2.8	1.1	157.0	0.09	0.08	0.34	186	3.41
S192292	Drill Core	2.42	2.56	72.04	9.21	88.2	267	11.6	21.9	897	5.13	36.5	0.2	0.6	1.4	196.5	0.17	1.30	0.50	176	4.10
S192293	Drill Core	1.95	4.99	82.24	5.50	106.1	366	22.3	27.5	1207	6.29	3.8	0.3	<0.2	1.0	147.9	0.27	0.50	0.28	236	4.82
S192294	Drill Core	1.50	6.64	89.50	7.87	75.9	257	9.6	24.0	1201	5.17	4.2	0.6	0.4	1.2	118.6	0.18	0.43	0.05	187	4.59
S192295	Drill Core	3.70	0.63	68.32	1.75	84.9	64	9.4	23.1	884	5.39	2.3	0.3	<0.2	1.4	145.1	0.11	0.38	<0.02	198	3.59
S192296	Drill Core	2.74	0.71	69.78	2.43	84.9	61	9.5	21.7	941	5.20	3.5	0.4	0.7	1.2	152.1	0.16	0.37	<0.02	169	3.02
S192297	Drill Core	3.52	0.43	101.47	3.53	74.6	96	8.1	21.1	874	4.54	3.0	0.2	1.7	1.2	171.6	0.19	0.44	<0.02	126	3.20
S192298	Drill Core	3.61	0.58	73.16	2.50	90.0	78	9.9	24.2	989	5.30	3.2	0.4	1.7	1.2	237.7	0.17	0.42	<0.02	168	2.72
S192299	Drill Core	3.32	0.47	65.10	2.83	88.6	70	9.7	22.7	996	5.14	2.2	0.3	0.4	1.2	219.7	0.15	0.56	<0.02	168	3.31
S192300	Drill Core	2.97	1.27	56.15	4.20	87.5	78	26.5	23.3	831	4.72	10.9	0.5	<0.2	1.5	244.2	0.18	0.81	0.05	178	3.69
S192301	Drill Core	2.79	3.55	90.99	3.43	75.9	87	15.6	18.2	818	4.29	4.3	0.3	<0.2	1.0	165.0	0.08	0.24	<0.02	164	5.09
S192302	Drill Core	3.24	1.30	147.29	3.21	72.7	131	14.5	16.4	725	3.97	2.7	0.3	0.9	1.1	217.5	0.11	0.36	<0.02	152	4.58
S192303	Drill Core	3.87	0.63	153.53	2.92	77.8	143	20.7	20.4	878	4.35	3.8	0.3	1.3	1.0	160.5	0.11	0.18	0.06	182	4.93
S192304	Drill Core	3.70	0.87	162.56	3.85	82.1	139	31.4	22.7	975	4.98	9.5	0.4	0.8	1.3	214.1	0.14	0.60	<0.02	173	4.49
S192305	Drill Core	1.44	0.96	133.84	4.17	83.6	119	34.3	24.3	1078	5.08	9.8	0.4	0.8	1.3	205.5	0.12	0.72	<0.02	190	4.89
S192306	Drill Core	3.26	2.20	110.76	8.23	149.9	119	27.1	19.1	770	4.67	12.8	0.5	<0.2	2.2	126.4	1.29	1.15	0.09	233	2.65
S192307	Drill Core	3.43	5.46	105.29	8.38	150.5	146	65.5	23.3	716	4.71	2.8	0.6	0.3	2.5	123.2	1.84	1.44	0.09	243	3.63
S192308	Drill Core	3.40	5.95	112.52	11.95	147.5	253	62.9	22.6	752	4.83	51.5	0.6	<0.2	2.4	182.3	2.21	3.64	0.32	241	5.20
S192309	Drill Core	3.96	3.81	114.06	9.62	182.6	278	56.7	22.4	692	4.86	10.1	0.5	<0.2	2.3	163.7	2.16	1.22	0.16	254	3.93
S192310	Drill Core	4.35	5.38	110.92	7.61	135.6	123	56.2	22.5	774	5.02	7.4	0.6	<0.2	2.3	146.5	1.13	1.03	0.08	243	4.27
S192311	Drill Core	2.21	8.15	110.60	8.40	99.9	413	54.3	22.7	799	4.60	10.2	0.5	<0.2	1.8	137.0	0.61	1.69	0.06	204	4.01

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Project: TRX15-01
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CERTIFICATE OF ANALYSIS SMI15000104.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192282	Drill Core	0.117	6.3	13.9	1.23	55.5	0.141	<1	1.71	0.060	0.31	0.2	4.1	0.23	3.13	<5	1.6	0.05	5.4	0.80	<0.1
S192283	Drill Core	0.119	8.2	35.9	1.08	74.6	0.124	<1	1.79	0.070	0.56	0.5	4.1	0.31	3.11	11	2.6	0.22	5.1	1.29	<0.1
S192284	Drill Core	0.130	4.9	52.9	2.70	120.8	0.294	<1	3.15	0.071	1.81	0.2	12.4	0.28	1.52	<5	0.4	<0.02	10.9	3.12	0.2
S192285 Dup of S192284	Core DUP	0.121	4.4	48.3	2.46	121.8	0.260	1	2.93	0.062	1.67	0.2	11.4	0.28	1.41	5	0.3	0.03	10.1	2.98	0.2
S192286	Drill Core	0.110	4.3	76.7	2.51	324.7	0.268	<1	2.60	0.079	1.17	0.1	11.5	0.19	0.21	11	<0.1	0.08	8.4	2.01	0.2
S192287	Drill Core	0.111	4.6	83.7	2.36	218.6	0.253	1	2.51	0.084	0.75	<0.1	11.9	0.10	0.12	7	<0.1	<0.02	8.1	1.16	0.1
S192288	Drill Core	0.122	7.0	22.2	1.84	114.0	0.249	1	3.14	0.103	1.62	0.3	9.9	0.19	1.32	11	0.2	0.05	11.7	2.40	0.2
S192289	Drill Core	0.181	6.7	13.2	1.63	320.4	0.305	2	3.26	0.147	1.90	0.2	9.3	0.18	0.12	5	<0.1	<0.02	11.6	1.98	0.2
S192290	Rock	0.004	<0.5	0.7	1.19	3.6	<0.001	<1	0.02	0.002	<0.01	<0.1	0.1	<0.02	<0.02	<5	<0.1	0.24	<0.1	<0.02	<0.1
S192291	Drill Core	0.119	6.1	8.3	2.30	707.4	0.323	<1	3.71	0.095	2.55	0.2	13.2	0.34	0.13	<5	<0.1	0.07	12.3	3.90	0.3
S192292	Drill Core	0.144	7.2	14.5	1.93	173.6	0.197	2	3.32	0.083	1.53	0.2	11.4	0.37	0.53	<5	<0.1	0.12	12.9	3.81	0.1
S192293	Drill Core	0.172	5.6	51.0	2.10	105.6	0.328	1	3.57	0.147	2.09	0.6	16.6	0.41	1.88	6	0.3	0.07	16.0	3.53	0.2
S192294	Drill Core	0.123	6.7	12.0	1.52	188.5	0.303	1	2.75	0.111	1.50	0.4	13.9	0.28	1.19	<5	<0.1	<0.02	10.3	2.13	0.2
S192295	Drill Core	0.126	8.2	9.5	2.13	672.9	0.362	1	3.47	0.127	2.38	0.2	13.4	0.23	0.33	<5	<0.1	0.03	13.2	4.77	0.3
S192296	Drill Core	0.125	6.4	10.9	2.05	604.9	0.321	<1	3.43	0.098	2.28	0.2	10.8	0.22	0.09	<5	<0.1	0.04	11.2	3.86	0.3
S192297	Drill Core	0.123	6.8	8.3	1.73	437.0	0.296	2	3.11	0.139	1.74	0.2	7.3	0.15	0.10	8	<0.1	<0.02	10.5	3.78	0.3
S192298	Drill Core	0.125	7.1	11.7	2.25	657.8	0.308	<1	3.69	0.082	2.57	0.2	10.5	0.23	0.11	7	<0.1	<0.02	11.8	5.14	0.2
S192299	Drill Core	0.125	7.3	10.3	2.23	604.9	0.326	1	3.75	0.113	2.47	0.2	10.5	0.27	0.12	<5	<0.1	<0.02	12.0	4.74	0.2
S192300	Drill Core	0.144	7.2	33.0	2.06	336.4	0.268	<1	3.47	0.087	2.08	0.2	10.4	0.23	0.21	11	<0.1	<0.02	12.6	4.45	0.2
S192301	Drill Core	0.167	5.5	33.1	1.70	352.9	0.278	<1	3.07	0.078	2.02	0.2	11.5	0.29	0.08	<5	<0.1	<0.02	11.8	6.90	0.2
S192302	Drill Core	0.181	6.2	30.3	1.39	271.3	0.269	<1	2.86	0.095	1.75	0.2	10.5	0.25	0.13	<5	<0.1	0.03	10.1	9.45	0.2
S192303	Drill Core	0.177	4.9	41.3	1.58	312.5	0.321	1	3.07	0.112	2.03	0.3	12.2	0.30	0.11	<5	<0.1	<0.02	9.9	11.59	0.2
S192304	Drill Core	0.182	5.5	73.4	1.97	402.3	0.303	1	3.51	0.133	2.17	0.2	10.9	0.29	0.35	<5	0.3	0.03	10.4	6.33	0.2
S192305	Drill Core	0.177	5.6	82.5	2.10	443.4	0.313	<1	3.59	0.099	2.25	0.2	11.7	0.30	0.41	<5	0.5	<0.02	11.3	6.20	0.2
S192306	Drill Core	0.166	8.1	64.5	1.77	119.1	0.250	<1	2.80	0.081	1.65	0.2	9.5	0.35	1.24	<5	2.3	0.03	11.4	1.96	0.2
S192307	Drill Core	0.168	9.4	142.2	2.12	143.6	0.239	<1	2.72	0.070	1.76	0.2	12.4	0.37	1.65	6	2.6	0.06	10.9	3.31	0.3
S192308	Drill Core	0.183	10.9	148.1	1.83	148.9	0.145	<1	2.63	0.075	1.27	0.2	11.7	0.32	1.80	26	3.1	0.09	10.8	3.67	0.1
S192309	Drill Core	0.160	9.4	155.2	1.99	78.3	0.237	<1	2.89	0.058	1.78	0.2	12.6	0.43	1.39	10	3.3	0.08	12.1	3.93	0.2
S192310	Drill Core	0.176	8.9	139.3	2.27	106.7	0.254	<1	2.81	0.087	1.83	0.2	11.8	0.31	1.73	7	2.6	0.09	11.3	2.77	0.2
S192311	Drill Core	0.176	7.6	120.9	2.17	116.8	0.232	<1	2.62	0.077	1.71	2.0	10.0	0.31	1.62	16	1.8	0.08	9.8	2.44	0.2

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	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192282	Drill Core	0.14	0.10	13.3	0.3	<0.05	4.2	8.62	12.5	0.02	3	0.2	16.5	<10	<2
S192283	Drill Core	0.10	0.09	26.4	0.4	<0.05	4.1	10.96	14.3	0.03	9	0.6	14.2	<10	<2
S192284	Drill Core	0.11	0.05	46.3	0.5	<0.05	3.6	9.82	11.2	0.02	2	0.4	28.0	10	6
S192285 Dup of S192284	Core DUP	0.09	0.04	42.5	0.5	<0.05	3.2	9.35	10.1	0.05	2	0.1	27.4	<10	3
S192286	Drill Core	0.10	0.04	28.8	0.3	<0.05	3.2	10.27	9.5	0.02	<1	<0.1	23.8	18	6
S192287	Drill Core	0.16	0.04	17.0	0.3	<0.05	3.9	11.21	10.4	0.03	1	0.2	27.9	13	6
S192288	Drill Core	0.07	0.05	46.8	0.5	<0.05	2.0	10.88	15.3	0.03	3	0.2	23.9	<10	3
S192289	Drill Core	0.06	0.11	54.5	0.6	<0.05	2.1	10.94	14.6	0.02	<1	0.2	22.7	<10	<2
S192290	Rock	<0.02	<0.02	<0.1	<0.1	<0.05	0.1	0.20	0.2	<0.02	<1	<0.1	0.2	<10	<2
S192291	Drill Core	0.06	0.10	77.1	0.7	<0.05	1.2	10.69	13.0	0.03	2	0.2	27.0	<10	2
S192292	Drill Core	<0.02	0.03	68.6	0.5	<0.05	0.9	9.94	15.9	0.04	3	0.9	30.9	<10	<2
S192293	Drill Core	0.07	0.05	90.5	0.6	<0.05	1.5	11.48	11.9	0.04	8	0.3	26.7	<10	<2
S192294	Drill Core	0.15	0.13	50.0	0.5	<0.05	2.6	11.15	14.2	0.05	1	0.2	26.5	<10	<2
S192295	Drill Core	0.04	0.15	60.9	0.6	<0.05	2.7	11.60	17.0	0.02	<1	0.3	29.8	<10	<2
S192296	Drill Core	0.06	0.11	54.1	0.5	<0.05	2.5	8.96	13.4	0.03	<1	0.2	27.7	<10	2
S192297	Drill Core	0.16	0.15	39.1	0.5	<0.05	6.2	8.89	14.3	<0.02	<1	0.4	24.0	<10	<2
S192298	Drill Core	0.04	0.04	64.6	0.6	<0.05	1.7	9.81	14.8	0.02	<1	0.3	30.0	<10	<2
S192299	Drill Core	0.07	0.09	70.4	0.7	<0.05	2.0	10.16	15.4	0.03	<1	0.4	30.0	<10	3
S192300	Drill Core	0.04	0.05	59.7	0.8	<0.05	2.0	10.19	14.7	0.02	<1	0.3	30.7	<10	<2
S192301	Drill Core	0.03	0.07	63.2	0.7	<0.05	1.6	10.11	11.9	0.02	<1	0.3	29.3	10	4
S192302	Drill Core	0.06	0.06	59.1	0.5	<0.05	1.6	10.40	13.8	<0.02	<1	0.2	25.4	<10	2
S192303	Drill Core	0.18	0.14	66.4	0.5	<0.05	5.2	8.57	10.2	0.03	<1	0.3	26.7	<10	<2
S192304	Drill Core	0.09	0.09	63.9	0.5	<0.05	2.8	9.61	12.0	0.03	<1	0.3	26.1	<10	3
S192305	Drill Core	0.07	0.06	64.8	0.5	<0.05	2.3	9.23	11.6	<0.02	2	0.3	28.5	<10	6
S192306	Drill Core	0.07	0.07	56.5	0.7	<0.05	2.8	9.55	15.7	0.06	7	0.6	24.2	<10	5
S192307	Drill Core	0.10	0.08	53.3	0.6	<0.05	4.0	9.62	17.3	0.03	10	0.5	23.9	<10	4
S192308	Drill Core	0.06	0.04	40.6	0.4	<0.05	3.4	9.64	19.7	0.04	12	0.7	22.4	<10	4
S192309	Drill Core	0.06	0.07	63.4	0.6	<0.05	2.1	10.55	17.6	0.03	11	0.7	22.9	<10	<2
S192310	Drill Core	0.09	0.07	42.6	0.6	<0.05	3.7	10.03	17.2	0.05	11	0.6	22.8	<10	5
S192311	Drill Core	0.11	0.04	40.2	0.5	<0.05	3.0	9.01	14.6	0.04	14	0.2	22.1	<10	3

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Project: TRX15-01
Report Date: November 21, 2015

CERTIFICATE OF ANALYSIS SMI15000104.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192312	Drill Core	2.28	1.99	113.74	9.27	117.2	200	44.6	24.5	848	5.10	9.3	0.5	<0.2	1.8	166.8	0.79	1.19	0.04	235	3.99
S192313	Drill Core	2.61	2.51	113.88	13.55	123.0	231	35.2	21.7	824	4.73	6.9	0.4	<0.2	1.9	156.4	1.07	1.23	0.09	222	3.98
S192314	Drill Core	3.88	1.88	136.42	12.02	99.3	1441	47.3	24.0	743	5.30	8.4	0.8	<0.2	2.9	169.5	0.41	1.63	0.25	217	3.27
S192315	Drill Core	4.55	1.47	151.97	3.95	48.9	145	62.3	25.5	598	3.62	10.7	0.6	0.4	1.8	155.0	0.06	0.07	<0.02	133	3.52
S192316	Drill Core	4.49	0.43	158.80	6.08	48.1	107	58.9	22.7	526	3.27	9.4	0.7	1.1	1.9	152.8	0.06	0.05	<0.02	114	3.19
S192317	Drill Core	4.99	0.65	176.67	6.00	52.3	130	59.9	23.6	630	3.47	5.0	0.5	4.2	1.7	177.4	0.09	0.14	0.03	123	4.26
S192318	Drill Core	3.26	0.62	161.60	5.11	48.9	92	59.4	22.6	528	3.39	3.9	0.7	1.6	1.8	176.8	0.05	0.31	0.02	113	4.09
S192319	Drill Core	3.78	0.51	142.46	4.48	41.1	65	56.2	21.2	532	3.05	4.2	0.7	0.5	1.7	170.6	0.04	0.13	<0.02	109	4.16
S192320	Rock Pulp	0.12	278.89	2420.32	85.11	469.1	2849	14.7	11.1	810	4.31	26.9	0.8	312.2	3.5	52.7	2.15	1.55	1.29	31	0.83
S192321	Drill Core	2.75	0.57	241.40	5.30	48.3	151	63.1	23.5	646	3.38	2.5	0.7	<0.2	1.7	188.6	<0.01	0.08	0.02	113	3.66
S192322	Drill Core	4.66	0.88	181.80	4.84	48.2	115	61.0	24.4	669	3.42	2.0	0.6	1.1	1.7	210.9	0.04	0.16	0.02	118	3.50
S192323	Drill Core	4.64	0.67	192.95	5.20	47.4	107	60.4	25.2	636	3.32	4.2	0.6	<0.2	1.6	163.9	0.05	0.10	<0.02	111	3.54
S192324	Drill Core	5.22	0.32	176.48	4.03	47.1	88	59.0	23.1	667	3.13	3.1	0.5	<0.2	1.5	193.9	0.01	0.08	<0.02	96	3.82
S192325 Dup of S192324	Core DUP		0.26	176.10	4.13	46.1	88	59.5	23.6	697	3.26	3.0	0.5	1.1	1.5	197.4	0.04	0.10	<0.02	102	3.93
S192326	Drill Core	4.66	0.33	177.58	3.42	43.0	85	53.2	20.9	628	3.16	0.6	0.5	2.7	1.4	178.2	0.02	0.08	<0.02	105	3.35
S192327	Drill Core	3.15	0.83	124.83	4.27	42.4	61	53.5	21.2	738	3.20	0.4	0.6	<0.2	1.5	226.8	0.04	0.24	<0.02	112	5.10
S192328	Drill Core	3.58	0.41	165.90	4.11	50.1	97	60.0	23.1	795	3.49	1.6	0.6	1.0	1.6	221.3	0.03	0.13	<0.02	123	4.14
S192329	Drill Core	4.52	0.22	200.05	3.24	52.7	102	58.6	22.6	639	3.37	0.5	0.4	<0.2	1.4	159.8	0.02	0.09	<0.02	111	3.03
S192330	Rock	1.16	0.04	0.93	0.11	0.6	<2	<0.1	0.1	19	0.03	0.4	1.5	<0.2	<0.1	2926.6	<0.01	<0.02	<0.02	<2	33.04
S192331	Drill Core	3.59	0.31	162.80	3.26	46.0	73	58.6	22.7	717	3.38	0.8	0.4	<0.2	1.3	182.7	0.02	0.08	<0.02	115	4.21
S192332	Drill Core	3.72	0.23	173.15	2.18	41.7	90	54.0	20.0	533	3.06	0.6	0.3	1.0	1.1	127.3	0.04	0.05	<0.02	99	2.27
S192333	Drill Core	4.23	0.49	227.33	2.89	39.0	110	54.0	19.5	471	2.52	1.3	0.4	<0.2	1.4	216.9	<0.01	0.16	<0.02	78	2.93
S192334	Drill Core	5.65	0.50	161.23	2.46	46.9	83	54.6	22.4	673	3.17	0.5	0.5	<0.2	1.2	191.8	0.02	0.09	<0.02	109	2.77
S192335	Drill Core	5.79	0.70	167.74	3.68	51.2	87	63.3	26.4	826	3.71	3.0	0.5	<0.2	1.4	256.9	0.04	0.20	<0.02	131	3.73
S192336	Drill Core	1.26	0.77	135.92	7.71	79.9	187	68.7	32.0	989	5.61	8.8	0.4	<0.2	1.6	227.4	0.18	0.31	0.05	246	3.62
S192337	Drill Core	2.59	1.27	102.81	47.36	114.8	319	52.9	27.2	1045	5.07	12.2	0.4	<0.2	1.9	244.0	2.95	0.63	0.06	174	4.10
S192338	Drill Core	3.56	1.01	147.09	6.14	75.6	192	74.4	33.2	982	5.48	4.3	0.4	<0.2	1.6	156.0	0.08	0.35	0.04	222	2.94
S192339	Drill Core	3.33	0.93	132.42	9.14	74.4	163	71.3	30.6	1022	5.39	7.7	0.5	<0.2	1.5	154.2	0.20	0.30	0.06	210	2.79
S192340	Drill Core	3.92	0.91	129.96	7.26	78.6	89	72.2	32.6	1019	5.33	13.8	0.5	<0.2	1.6	194.7	0.11	0.28	0.05	194	2.60
S192341	Drill Core	3.64	0.93	135.07	7.07	73.8	89	65.2	30.4	1011	5.29	7.5	0.6	<0.2	1.8	215.6	0.10	0.49	0.06	203	3.10

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CERTIFICATE OF ANALYSIS SMI15000104.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192312	Drill Core	0.176	7.5	125.8	2.71	227.4	0.268	1	3.38	0.068	2.37	0.3	10.7	0.46	1.01	22	1.7	0.06	11.2	5.56	0.2
S192313	Drill Core	0.173	7.3	100.6	2.36	230.7	0.246	1	3.11	0.061	2.00	0.4	10.1	0.42	0.69	9	1.3	0.04	11.4	5.48	0.2
S192314	Drill Core	0.190	9.5	131.6	2.51	264.3	0.215	2	3.25	0.092	1.49	5.5	8.9	0.26	0.69	15	0.5	<0.02	12.6	4.51	0.2
S192315	Drill Core	0.220	5.8	166.4	2.03	690.0	0.219	<1	2.46	0.141	1.62	0.2	4.4	0.21	0.10	<5	<0.1	<0.02	8.1	4.11	0.2
S192316	Drill Core	0.212	5.8	159.0	1.76	452.4	0.187	2	2.19	0.155	1.12	0.2	5.0	0.09	0.04	<5	<0.1	<0.02	7.3	1.71	0.2
S192317	Drill Core	0.224	5.9	171.2	1.84	325.2	0.196	1	2.23	0.128	1.37	0.2	4.3	0.15	0.06	<5	0.1	<0.02	7.7	2.56	0.1
S192318	Drill Core	0.182	5.4	142.3	1.78	255.5	0.193	20	2.26	0.151	1.05	0.3	4.7	0.07	0.07	<5	<0.1	<0.02	7.7	1.07	0.2
S192319	Drill Core	0.205	5.2	156.7	1.66	187.9	0.171	29	1.99	0.108	1.07	0.2	4.2	0.08	0.05	<5	<0.1	0.03	6.6	1.20	0.1
S192320	Rock Pulp	0.058	4.4	21.6	0.58	60.9	0.040	5	1.69	0.053	0.29	1.5	2.4	0.27	2.12	53	3.3	0.74	4.8	3.83	<0.1
S192321	Drill Core	0.197	5.6	175.9	1.89	244.4	0.184	2	2.29	0.154	1.12	0.3	5.7	0.08	0.10	6	<0.1	<0.02	7.5	1.54	0.1
S192322	Drill Core	0.188	6.1	179.8	2.07	214.0	0.173	3	2.24	0.113	1.07	0.2	5.9	0.09	0.05	7	<0.1	<0.02	7.7	1.67	0.1
S192323	Drill Core	0.190	5.4	173.4	1.87	145.6	0.172	6	2.21	0.142	1.11	0.2	6.6	0.07	0.02	33	<0.1	<0.02	7.3	1.03	<0.1
S192324	Drill Core	0.202	5.4	164.1	1.83	94.5	0.150	3	2.02	0.101	0.95	0.1	5.8	0.07	0.03	12	<0.1	0.02	6.3	1.25	<0.1
S192325 Dup of S192324	Core DUP	0.205	5.5	170.2	1.91	99.7	0.159	3	2.12	0.115	0.94	0.1	6.8	0.07	0.03	12	<0.1	<0.02	6.5	1.27	0.1
S192326	Drill Core	0.208	5.3	170.4	1.87	136.5	0.174	2	2.25	0.135	1.47	0.2	5.9	0.10	<0.02	<5	<0.1	0.02	7.1	1.55	0.1
S192327	Drill Core	0.199	5.4	161.4	1.93	106.7	0.165	3	2.16	0.131	0.88	0.3	6.7	0.05	0.02	9	<0.1	0.02	6.6	1.13	0.2
S192328	Drill Core	0.200	7.6	156.4	2.40	115.4	0.200	3	2.44	0.092	1.70	0.1	7.0	0.10	<0.02	5	0.3	<0.02	7.8	2.59	<0.1
S192329	Drill Core	0.220	5.2	154.6	2.20	201.3	0.198	2	2.33	0.127	1.67	<0.1	6.3	0.08	0.03	7	<0.1	<0.02	6.6	1.71	0.2
S192330	Rock	0.004	<0.5	0.9	1.04	4.5	0.001	1	0.03	0.003	<0.01	<0.1	0.3	<0.02	0.12	8	<0.1	0.21	<0.1	<0.02	<0.1
S192331	Drill Core	0.206	4.8	150.1	2.17	329.9	0.198	3	2.38	0.143	1.60	0.2	6.7	0.07	0.04	12	<0.1	<0.02	6.9	1.88	0.2
S192332	Drill Core	0.215	4.2	145.8	2.16	467.4	0.178	2	2.25	0.128	1.54	<0.1	5.5	0.06	<0.02	18	<0.1	0.04	6.3	1.42	0.1
S192333	Drill Core	0.192	4.2	122.5	1.57	148.4	0.155	4	1.72	0.167	0.63	0.3	6.0	0.03	0.03	14	<0.1	<0.02	5.7	0.57	0.3
S192334	Drill Core	0.218	5.4	163.8	2.20	201.7	0.195	3	2.25	0.129	1.60	0.1	6.1	0.07	0.02	19	0.1	<0.02	6.6	1.50	0.1
S192335	Drill Core	0.215	7.2	169.1	2.83	150.3	0.180	3	2.50	0.078	1.40	<0.1	8.1	0.09	0.07	11	<0.1	<0.02	7.5	2.54	0.1
S192336	Drill Core	0.195	6.5	228.7	3.85	705.8	0.252	3	4.45	0.060	2.59	0.1	16.0	0.33	0.43	18	0.8	<0.02	13.9	7.46	0.2
S192337	Drill Core	0.163	6.7	169.2	3.08	402.4	0.212	2	3.11	0.062	1.28	0.2	14.8	0.17	0.31	40	0.2	0.43	11.3	3.71	0.3
S192338	Drill Core	0.228	5.9	264.6	3.56	866.5	0.260	<1	3.80	0.071	2.25	0.4	8.6	0.24	0.31	<5	0.3	<0.02	13.1	5.70	0.4
S192339	Drill Core	0.215	6.0	257.9	3.58	875.3	0.288	2	3.87	0.074	2.66	0.4	7.6	0.25	0.24	23	0.5	<0.02	12.1	5.48	0.3
S192340	Drill Core	0.209	6.6	241.0	3.42	865.6	0.285	<1	3.81	0.087	2.48	0.3	9.2	0.26	0.12	8	0.3	<0.02	12.0	5.32	0.2
S192341	Drill Core	0.210	7.2	213.7	3.26	910.3	0.277	1	3.75	0.090	2.55	0.3	9.4	0.21	0.16	25	<0.1	<0.02	11.9	5.53	0.2

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	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192312	Drill Core	0.07	0.04	61.3	0.5	<0.05	2.0	8.80	13.7	0.02	7	0.5	28.1	<10	<2
S192313	Drill Core	0.06	0.06	58.2	0.5	<0.05	1.8	8.27	13.9	0.03	4	0.3	27.8	<10	4
S192314	Drill Core	0.06	0.04	40.4	0.6	<0.05	2.3	9.71	18.1	0.04	6	0.8	31.5	<10	3
S192315	Drill Core	0.11	0.15	39.6	0.2	<0.05	3.4	5.30	10.8	<0.02	<1	0.1	23.5	<10	6
S192316	Drill Core	0.14	0.15	22.6	0.2	<0.05	3.4	5.11	10.9	<0.02	<1	0.4	24.1	20	5
S192317	Drill Core	0.12	0.10	30.4	0.2	<0.05	2.7	5.22	11.3	<0.02	<1	0.3	22.2	<10	5
S192318	Drill Core	0.14	0.14	18.5	0.2	<0.05	4.2	5.39	10.2	<0.02	2	0.3	32.0	<10	5
S192319	Drill Core	0.14	0.07	22.4	0.1	<0.05	3.6	4.94	10.0	<0.02	<1	0.3	33.2	10	8
S192320	Rock Pulp	<0.02	0.16	13.6	0.6	<0.05	0.9	4.40	9.1	0.10	306	0.3	16.7	<10	2
S192321	Drill Core	0.17	0.14	23.5	0.3	<0.05	4.2	5.13	11.5	<0.02	<1	0.3	28.3	30	4
S192322	Drill Core	0.13	0.09	21.8	0.2	<0.05	4.1	4.88	11.5	<0.02	<1	0.4	32.5	12	7
S192323	Drill Core	0.16	0.14	23.5	0.2	<0.05	4.0	4.50	10.3	<0.02	<1	0.2	26.1	18	7
S192324	Drill Core	0.10	0.09	23.8	<0.1	<0.05	3.8	4.00	10.1	<0.02	3	0.5	27.7	<10	8
S192325 Dup of S192324	Core DUP	0.12	0.10	23.3	0.2	<0.05	4.4	4.08	10.7	<0.02	4	0.7	30.6	<10	7
S192326	Drill Core	0.15	0.09	37.1	0.1	<0.05	3.2	3.83	9.9	<0.02	3	0.3	26.4	27	9
S192327	Drill Core	0.15	0.09	19.9	0.1	<0.05	4.3	4.59	10.4	<0.02	<1	0.4	22.2	17	7
S192328	Drill Core	0.13	0.14	45.0	0.1	<0.05	2.9	4.76	13.9	<0.02	<1	0.7	22.1	16	5
S192329	Drill Core	0.07	0.14	36.6	<0.1	<0.05	3.5	3.92	10.0	<0.02	1	0.5	27.1	<10	5
S192330	Rock	<0.02	0.02	0.1	<0.1	<0.05	<0.1	0.21	0.2	<0.02	<1	<0.1	0.2	<10	<2
S192331	Drill Core	0.11	0.17	32.4	<0.1	<0.05	4.7	3.86	9.2	<0.02	<1	0.3	23.3	<10	8
S192332	Drill Core	0.09	0.10	29.2	<0.1	<0.05	2.6	3.51	8.4	<0.02	<1	<0.1	26.8	14	5
S192333	Drill Core	0.13	0.17	10.9	0.2	<0.05	5.0	3.65	8.4	<0.02	1	0.4	15.4	14	9
S192334	Drill Core	0.13	0.14	41.6	0.1	<0.05	4.0	4.18	10.5	<0.02	<1	0.6	25.0	13	6
S192335	Drill Core	0.10	0.07	34.6	0.3	<0.05	3.0	5.42	14.3	<0.02	<1	1.0	30.9	14	2
S192336	Drill Core	0.06	0.05	54.0	0.6	<0.05	1.4	9.07	13.4	0.04	<1	0.8	39.7	21	<2
S192337	Drill Core	0.08	0.04	39.3	0.4	<0.05	2.1	9.42	13.9	0.04	<1	0.7	28.5	<10	7
S192338	Drill Core	0.04	0.06	59.5	0.4	<0.05	1.5	7.29	11.5	0.05	<1	0.5	27.4	19	6
S192339	Drill Core	<0.02	0.05	69.3	0.5	<0.05	1.3	6.75	11.7	<0.02	<1	0.6	27.9	11	4
S192340	Drill Core	0.05	0.07	65.8	0.5	<0.05	2.0	7.14	13.1	0.02	<1	0.6	30.7	24	5
S192341	Drill Core	0.07	0.05	60.5	0.4	<0.05	2.0	7.62	13.8	<0.02	4	0.6	28.8	<10	8

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Project: TRX15-01
Report Date: November 21, 2015

CERTIFICATE OF ANALYSIS SMI15000104.1

Method		WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192342	Drill Core	4.11	1.30	132.78	7.34	74.3	179	40.5	24.4	985	4.82	12.7	0.6	<0.2	1.9	217.4	0.22	0.41	<0.02	195	3.55
S192343	Drill Core	3.12	2.32	104.59	6.72	71.5	173	19.0	20.1	1072	4.21	11.5	1.0	0.2	2.3	253.0	0.11	1.12	0.02	119	4.17
S192344	Drill Core	3.22	2.75	44.11	6.58	75.8	105	6.2	14.6	1095	3.87	6.0	0.8	<0.2	2.8	205.5	0.09	1.34	<0.02	78	3.11
S192345	Drill Core	1.16	2.23	46.48	8.59	79.7	88	5.7	13.1	1094	3.83	5.0	0.8	<0.2	2.7	232.9	0.12	1.22	0.03	75	3.36
S192346	Drill Core	3.26	1.78	100.87	5.68	64.8	124	71.3	31.0	973	5.04	6.7	0.4	<0.2	1.2	223.2	0.13	1.62	0.03	193	5.74
S192347	Drill Core	1.84	0.52	63.07	3.15	51.5	57	24.5	13.5	630	3.00	1.5	0.3	0.2	0.7	208.9	<0.01	0.13	<0.02	107	1.99
S192348	Drill Core	1.84	0.64	160.27	5.58	53.9	109	59.8	24.8	895	3.81	1.4	0.5	<0.2	1.7	237.2	0.04	0.09	<0.02	134	4.13
S192349	Drill Core	4.99	3.18	23.54	3.67	73.1	29	0.7	12.4	1032	3.79	1.2	0.6	13.3	2.8	126.8	0.05	0.15	<0.02	57	1.49
S192350	Drill Core	3.82	2.68	26.47	3.10	73.5	34	0.6	12.3	941	3.66	1.1	0.7	1.2	3.0	128.1	0.04	0.18	<0.02	49	1.48
S192351	Drill Core	2.99	2.69	33.42	3.35	63.8	62	3.2	11.5	1059	3.42	2.3	0.7	<0.2	2.8	213.2	0.09	0.21	<0.02	55	4.04
S192352	Drill Core	3.48	1.14	147.20	3.58	51.2	105	63.7	25.1	785	3.47	1.0	0.4	<0.2	1.3	258.1	0.02	0.15	<0.02	114	5.19
S192353	Drill Core	3.13	0.73	142.13	4.89	43.3	95	57.4	21.3	671	2.83	0.6	0.4	1.3	1.3	278.0	0.06	0.24	<0.02	89	4.60
S192354	Drill Core	2.81	0.40	154.92	3.38	51.0	101	61.8	23.9	815	3.54	3.3	0.5	1.2	1.4	292.2	0.06	0.59	<0.02	114	5.29
S192355	Drill Core	4.14	0.90	162.57	2.45	49.8	75	61.2	24.9	783	3.23	0.8	0.5	1.9	1.4	272.6	0.03	0.19	<0.02	106	4.91
S192356	Drill Core	4.08	0.54	175.40	4.18	54.4	90	68.9	28.0	836	3.59	1.0	0.5	0.4	1.2	229.7	0.02	0.13	<0.02	126	5.37
S192357	Drill Core	4.20	0.42	95.07	6.20	67.7	93	39.3	17.3	905	3.15	1.3	0.5	1.0	1.4	226.2	0.02	0.19	0.13	88	4.22
S192358	Drill Core	4.50	0.90	143.66	5.50	56.5	196	57.2	24.1	1114	3.94	1.5	0.7	4.0	1.5	361.6	0.06	0.13	0.02	158	7.95
S192359	Drill Core	5.88	1.81	192.77	2.91	54.9	95	60.6	23.7	687	3.53	1.4	0.5	<0.2	1.3	201.4	<0.01	0.08	<0.02	114	2.89
S192360	Rock Pulp	0.11	278.63	2452.54	82.59	450.8	2995	15.1	11.6	853	4.35	26.5	0.7	294.9	3.3	53.5	1.88	1.55	1.17	32	0.84
S192361	Drill Core	5.79	1.02	164.70	2.48	50.8	126	64.3	25.9	811	3.75	1.1	0.3	2.2	1.2	215.6	<0.01	0.11	<0.02	130	3.01
S192362	Drill Core	3.35	1.75	134.42	14.24	75.4	278	63.3	25.7	1080	4.42	0.9	0.5	8.9	2.5	297.8	0.19	0.08	0.05	164	4.75
S192363	Drill Core	3.11	0.81	108.95	5.25	62.1	168	54.9	23.0	984	4.07	0.8	0.6	2.3	2.5	339.4	0.09	0.09	0.06	148	5.21
S192364	Drill Core	2.90	1.69	158.96	2.39	79.7	280	64.1	28.3	1122	4.77	1.3	0.5	1.8	1.9	226.7	0.03	0.13	<0.02	161	4.23
S192365 Dup of S192364	Core DUP		1.63	158.86	2.38	81.2	294	61.6	27.9	1143	4.84	1.5	0.5	4.7	1.8	231.8	0.05	0.13	<0.02	161	4.29
S192366	Drill Core	4.21	3.39	27.80	2.73	68.9	26	1.6	12.5	911	3.83	1.5	0.8	<0.2	3.2	116.0	0.02	0.13	<0.02	58	1.71
S192367	Drill Core	4.52	3.78	28.34	2.10	82.3	35	9.5	14.9	974	3.93	1.0	0.7	<0.2	2.4	102.8	0.03	0.10	<0.02	72	1.28
S192368	Drill Core	5.25	3.48	19.01	2.71	75.2	23	5.7	13.9	1016	4.06	0.9	0.7	<0.2	2.6	114.2	0.07	0.10	<0.02	69	1.43
S192369	Drill Core	1.61	0.51	5.50	3.31	75.0	43	3.9	3.8	677	2.36	0.4	0.8	<0.2	4.6	70.3	0.05	0.06	0.09	26	1.25
S192370	Rock	0.85	0.04	0.16	0.16	0.4	4	1.2	<0.1	18	0.02	0.8	1.4	<0.2	<0.1	3459.5	<0.01	<0.02	<0.02	<2	31.76
S192371	Drill Core	4.24	3.88	30.97	3.24	77.4	61	0.8	11.3	973	3.82	0.7	0.6	4.1	3.3	114.4	0.05	0.08	<0.02	55	1.72

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CERTIFICATE OF ANALYSIS SMI15000104.1

Method		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
MDL		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192342	Drill Core	0.216	8.6	121.2	2.84	332.2	0.216	2	3.62	0.078	2.34	0.5	12.2	0.23	0.09	<5	<0.1	<0.02	11.5	5.51	0.1
S192343	Drill Core	0.183	8.4	39.7	1.71	79.8	0.165	1	2.77	0.057	1.52	0.5	5.8	0.17	0.24	7	<0.1	<0.02	9.9	4.85	0.2
S192344	Drill Core	0.158	9.4	14.6	1.23	82.4	0.163	2	2.31	0.053	1.17	0.3	4.9	0.19	0.21	33	0.2	0.09	9.5	4.43	<0.1
S192345	Drill Core	0.147	9.7	15.4	1.25	77.8	0.156	1	2.31	0.046	1.14	0.3	4.5	0.21	0.21	14	<0.1	<0.02	9.0	4.78	<0.1
S192346	Drill Core	0.150	6.0	212.6	2.69	215.3	0.246	1	3.04	0.072	1.78	0.3	9.2	0.24	0.93	46	<0.1	0.04	10.4	5.21	0.2
S192347	Drill Core	0.153	5.7	62.7	1.54	72.7	0.142	2	1.57	0.164	0.65	0.1	5.5	0.06	0.12	23	0.3	<0.02	6.1	1.45	0.2
S192348	Drill Core	0.217	6.9	159.0	2.40	151.6	0.197	3	2.47	0.081	1.71	0.2	6.7	0.14	0.05	<5	<0.1	<0.02	7.5	3.05	0.2
S192349	Drill Core	0.181	8.7	1.3	1.01	102.0	0.201	2	2.08	0.063	1.23	0.3	2.8	0.15	0.07	15	<0.1	<0.02	9.0	1.73	0.1
S192350	Drill Core	0.158	9.0	1.9	0.98	95.3	0.188	3	2.03	0.116	1.15	0.2	3.7	0.15	0.04	15	<0.1	<0.02	8.0	1.75	0.2
S192351	Drill Core	0.152	8.8	7.9	0.98	57.7	0.106	3	1.70	0.056	0.58	0.3	2.5	0.08	0.13	14	<0.1	0.11	8.3	1.55	<0.1
S192352	Drill Core	0.213	5.7	147.7	2.11	128.1	0.178	5	2.17	0.099	1.21	0.2	6.4	0.08	<0.02	21	0.2	0.03	6.2	1.91	0.3
S192353	Drill Core	0.221	6.5	122.0	1.69	104.6	0.143	5	1.80	0.128	0.87	0.2	7.3	0.05	<0.02	18	<0.1	<0.02	5.5	1.03	0.2
S192354	Drill Core	0.204	5.8	151.6	2.17	81.1	0.139	3	1.97	0.079	0.68	0.3	7.9	0.06	0.04	19	<0.1	0.03	6.3	1.40	0.2
S192355	Drill Core	0.212	7.0	153.2	2.06	62.2	0.153	1	1.85	0.052	0.98	0.1	5.2	0.07	<0.02	12	<0.1	0.03	5.8	1.37	0.3
S192356	Drill Core	0.211	4.4	174.7	2.22	161.6	0.183	3	2.13	0.082	1.36	0.2	6.1	0.11	<0.02	19	<0.1	<0.02	6.1	1.60	0.2
S192357	Drill Core	0.143	5.4	106.7	1.66	176.2	0.163	<1	1.99	0.051	1.24	0.2	5.1	0.15	0.05	5	<0.1	0.03	6.3	2.59	<0.1
S192358	Drill Core	0.193	7.0	175.9	2.55	188.3	0.178	<1	2.78	0.039	1.82	<0.1	10.7	0.17	0.08	12	<0.1	<0.02	8.9	4.09	0.2
S192359	Drill Core	0.213	5.5	179.6	2.62	475.2	0.188	3	2.28	0.068	1.34	0.1	4.5	0.06	<0.02	11	<0.1	0.08	6.6	2.07	0.1
S192360	Rock Pulp	0.070	4.2	22.2	0.59	58.5	0.040	5	1.72	0.054	0.30	1.1	2.3	0.27	2.13	57	4.8	0.64	5.0	3.70	0.1
S192361	Drill Core	0.216	4.9	178.9	2.93	281.7	0.199	1	2.56	0.057	1.72	0.2	5.4	0.11	<0.02	15	0.3	0.05	7.3	3.14	0.3
S192362	Drill Core	0.181	7.9	177.5	3.29	580.1	0.157	2	3.24	0.043	1.88	<0.1	10.8	0.18	0.03	28	<0.1	<0.02	10.3	4.26	0.2
S192363	Drill Core	0.170	8.2	164.8	2.93	358.3	0.117	<1	2.87	0.042	1.26	<0.1	10.7	0.20	<0.02	7	<0.1	<0.02	9.4	3.37	0.2
S192364	Drill Core	0.201	8.4	171.8	3.52	119.7	0.075	1	3.14	0.035	0.54	0.1	9.0	0.08	<0.02	8	0.1	<0.02	11.0	1.86	0.2
S192365 Dup of S192364	Core DUP	0.194	8.2	173.5	3.56	125.0	0.078	1	3.11	0.033	0.56	0.2	9.1	0.09	<0.02	6	<0.1	<0.02	11.2	1.89	0.3
S192366	Drill Core	0.141	9.5	4.5	1.06	57.4	0.135	1	1.44	0.050	0.53	0.2	2.9	0.07	0.05	9	<0.1	<0.02	8.3	0.75	0.1
S192367	Drill Core	0.149	6.7	24.0	1.34	95.8	0.230	<1	1.88	0.049	1.29	0.2	2.7	0.15	0.04	7	<0.1	0.05	7.4	2.00	0.3
S192368	Drill Core	0.161	7.8	15.2	1.22	98.6	0.224	<1	1.78	0.052	1.22	0.3	2.8	0.16	0.04	<5	<0.1	<0.02	8.8	1.86	0.3
S192369	Drill Core	0.070	8.7	5.1	0.57	44.8	0.143	<1	1.40	0.094	0.84	0.2	2.3	0.27	0.06	19	<0.1	<0.02	6.5	1.72	<0.1
S192370	Rock	0.003	<0.5	<0.5	1.31	8.2	<0.001	<1	0.02	0.002	<0.01	<0.1	0.1	<0.02	0.13	<5	0.2	0.17	<0.1	<0.02	<0.1
S192371	Drill Core	0.142	9.6	0.9	0.87	122.3	0.198	<1	1.55	0.045	1.05	0.2	2.6	0.16	0.08	7	<0.1	0.05	9.0	1.59	0.2

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Method		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192342	Drill Core	0.07	0.07	73.9	0.5	<0.05	1.9	8.46	17.1	<0.02	<1	0.7	25.8	24	7
S192343	Drill Core	0.03	0.06	67.9	0.5	<0.05	1.8	8.41	17.1	<0.02	<1	0.7	20.6	<10	<2
S192344	Drill Core	0.05	0.10	63.4	1.7	<0.05	2.2	10.18	19.4	<0.02	<1	0.4	19.0	<10	4
S192345	Drill Core	0.05	0.10	64.3	1.6	<0.05	1.8	10.01	19.0	0.05	<1	0.7	20.5	<10	<2
S192346	Drill Core	0.07	0.06	57.5	0.3	<0.05	2.2	7.33	11.9	0.04	1	1.1	26.5	<10	15
S192347	Drill Core	0.25	0.09	21.7	0.3	<0.05	5.6	6.29	12.3	<0.02	<1	0.8	15.1	15	<2
S192348	Drill Core	0.13	0.07	64.6	0.2	<0.05	2.5	5.47	13.2	0.02	<1	0.6	26.9	<10	<2
S192349	Drill Core	0.08	0.18	72.1	0.3	<0.05	1.6	10.10	18.1	<0.02	<1	0.4	25.3	<10	<2
S192350	Drill Core	0.13	0.36	63.2	0.3	<0.05	3.7	10.10	18.6	0.02	1	0.3	22.4	<10	<2
S192351	Drill Core	0.03	0.15	33.5	0.3	<0.05	2.4	11.02	18.3	0.03	<1	<0.1	18.3	<10	<2
S192352	Drill Core	0.20	0.17	38.3	0.2	<0.05	3.3	4.24	11.3	<0.02	<1	0.3	20.1	21	<2
S192353	Drill Core	0.15	0.16	26.1	0.1	<0.05	5.0	4.39	13.0	<0.02	<1	0.4	17.1	<10	2
S192354	Drill Core	0.12	0.10	23.3	0.2	<0.05	5.1	4.49	11.7	<0.02	<1	0.6	14.2	<10	11
S192355	Drill Core	0.08	0.06	33.3	<0.1	<0.05	3.1	4.93	14.6	<0.02	<1	0.6	18.9	<10	8
S192356	Drill Core	0.11	0.10	37.7	<0.1	<0.05	3.0	3.59	9.1	<0.02	<1	0.7	25.3	10	5
S192357	Drill Core	0.07	0.07	43.5	0.3	<0.05	2.1	5.04	11.4	<0.02	1	0.5	21.4	12	4
S192358	Drill Core	0.04	0.03	62.9	0.2	<0.05	1.3	6.38	14.2	<0.02	<1	0.4	24.8	12	4
S192359	Drill Core	0.07	0.06	24.6	<0.1	<0.05	2.6	4.35	10.7	<0.02	<1	0.8	24.2	14	10
S192360	Rock Pulp	0.03	0.17	14.3	0.6	<0.05	0.9	4.64	8.7	0.13	273	0.3	16.3	*	3
S192361	Drill Core	0.09	0.05	42.9	0.1	<0.05	2.2	3.96	9.5	<0.02	1	0.9	26.5	16	6
S192362	Drill Core	0.03	0.03	57.0	0.2	<0.05	0.8	6.10	16.2	0.03	<1	0.8	32.9	<10	12
S192363	Drill Core	0.04	0.05	47.1	0.4	<0.05	1.6	5.92	16.6	0.02	<1	0.8	28.3	<10	7
S192364	Drill Core	0.04	0.03	25.2	0.3	<0.05	1.0	6.99	17.3	0.03	<1	1.0	31.4	<10	10
S192365 Dup of S192364	Core DUP	0.07	<0.02	25.8	0.3	<0.05	1.1	7.00	17.5	<0.02	3	0.9	32.8	<10	16
S192366	Drill Core	0.05	0.16	28.4	0.2	<0.05	2.3	10.06	19.1	<0.02	<1	0.7	14.5	10	<2
S192367	Drill Core	0.07	0.18	78.1	0.4	<0.05	2.0	7.53	13.5	<0.02	<1	0.5	23.4	<10	<2
S192368	Drill Core	<0.02	0.19	75.7	0.4	<0.05	2.5	9.25	16.0	<0.02	<1	0.8	22.3	<10	4
S192369	Drill Core	0.07	0.62	71.6	0.4	<0.05	1.2	3.30	17.3	0.02	<1	0.4	13.1	<10	<2
S192370	Rock	<0.02	0.04	0.1	<0.1	<0.05	<0.1	0.17	0.2	<0.02	<1	0.2	0.2	<10	4
S192371	Drill Core	0.05	0.18	76.8	0.4	<0.05	1.3	10.25	19.7	<0.02	<1	0.4	22.0	<10	5

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Project: TRX15-01
Report Date: November 21, 2015

CERTIFICATE OF ANALYSIS SMI15000104.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192372	Drill Core	4.62	5.07	34.16	3.37	79.2	96	0.2	11.5	966	3.79	1.5	0.6	11.4	3.4	115.8	0.11	0.07	<0.02	51	2.32
S192373	Drill Core	3.79	3.25	31.57	3.32	74.1	68	0.7	12.2	926	4.11	0.8	0.6	2.1	3.4	86.8	0.05	0.10	<0.02	64	1.72
S192374	Drill Core	4.53	0.54	152.21	1.45	67.0	88	73.2	30.1	936	4.42	1.1	0.4	1.7	1.2	150.4	<0.01	0.06	<0.02	158	2.74
S192375	Drill Core	5.41	0.67	153.09	2.75	70.6	175	75.0	30.7	1147	4.88	0.5	0.3	2.6	1.2	203.4	0.02	0.04	<0.02	188	4.34
S192376	Drill Core	3.17	2.15	107.45	5.53	52.8	244	41.4	21.9	1066	3.86	4.4	1.4	6.1	1.9	296.2	0.06	0.12	0.03	121	7.23
S192377	Drill Core	2.47	4.46	135.61	2.29	61.7	73	72.2	31.7	1048	4.45	1.3	0.4	0.7	1.4	265.5	0.05	0.05	<0.02	171	5.56
S192378	Drill Core	2.36	0.89	170.31	2.24	64.0	109	76.3	32.7	1015	4.68	1.5	0.5	2.5	1.6	218.7	<0.01	0.12	<0.02	165	3.90
S192379	Drill Core	4.75	0.35	159.69	2.01	64.7	118	75.4	31.0	975	4.65	0.7	0.4	1.7	1.3	195.1	<0.01	0.04	<0.02	169	3.39
S192380	Drill Core	4.76	0.43	163.54	1.45	56.2	88	70.8	29.4	836	4.02	0.7	0.3	<0.2	1.1	166.1	<0.01	0.03	<0.02	142	2.55
S192381	Drill Core	4.56	0.29	171.40	1.51	58.6	110	70.3	28.9	883	4.06	0.7	0.4	0.5	1.2	196.8	<0.01	0.07	<0.02	139	2.45
S192382	Drill Core	2.61	3.51	121.07	3.67	71.9	127	0.6	12.5	870	3.48	1.4	0.8	<0.2	2.8	121.8	0.06	0.14	<0.02	39	1.25
S192383	Drill Core	2.67	3.86	34.15	5.71	75.7	43	6.4	14.6	843	3.53	1.3	0.7	<0.2	2.8	126.9	0.02	0.18	<0.02	51	1.09
S192384	Drill Core	4.98	1.05	153.73	1.74	51.1	111	65.1	24.9	710	3.45	1.0	0.4	<0.2	1.1	181.3	0.03	0.29	<0.02	107	1.95
S192385	Drill Core	0.90	0.79	172.43	2.20	57.8	104	67.5	27.0	774	3.81	0.8	0.4	<0.2	1.1	196.9	<0.01	0.07	<0.02	125	2.14
S192386	Drill Core	5.71	0.81	176.75	2.37	48.1	91	62.6	25.6	621	3.27	0.9	0.3	1.8	1.1	193.0	0.02	0.07	<0.02	99	1.76
S192387	Drill Core	5.26	0.52	176.28	2.07	55.7	85	72.9	26.4	712	3.73	0.8	0.3	1.6	1.0	156.4	<0.01	0.07	<0.02	123	1.79
S192388	Drill Core	1.63	0.85	152.87	2.91	67.7	139	64.8	29.1	1024	4.41	0.8	0.3	0.3	1.2	250.7	0.04	0.11	<0.02	147	3.44
S192389	Drill Core	1.43	2.07	56.23	3.39	72.2	210	11.3	14.5	1022	3.64	1.3	0.2	7.0	2.2	152.9	0.12	0.09	0.03	64	2.83
S192390	Drill Core	1.62	3.07	31.35	2.99	78.7	84	0.7	10.7	1027	3.69	0.8	0.4	1.4	2.8	105.6	0.08	0.10	0.02	51	2.40
S192391	Drill Core	2.80	2.82	28.46	3.17	87.7	84	0.8	12.0	1007	3.98	0.8	0.4	0.9	3.1	114.6	0.07	0.11	<0.02	56	2.11
S192392	Drill Core	2.53	3.23	27.56	2.66	94.2	78	0.5	11.7	976	4.00	0.8	0.5	1.4	3.6	95.1	0.09	0.09	<0.02	59	2.04
S192393	Drill Core	2.18	6.16	22.61	3.65	79.4	73	1.1	11.6	929	3.48	0.6	0.5	1.6	3.0	142.1	0.07	0.14	0.04	48	2.30
S192394	Drill Core	3.03	3.19	25.53	3.93	88.8	60	0.4	12.4	1079	4.02	0.4	0.6	1.6	3.4	101.7	0.10	0.06	<0.02	65	2.22
S192395	Drill Core	2.32	2.96	25.52	2.84	82.7	31	0.5	11.8	1045	4.00	1.0	0.7	1.2	3.7	84.1	0.12	0.11	<0.02	56	2.00
S192396	Drill Core	2.93	4.74	134.66	4.82	81.0	246	0.6	11.8	1019	3.96	0.3	0.8	3.3	3.4	78.7	0.24	0.09	0.09	58	2.11
S192397	Drill Core	1.83	0.56	17.71	8.13	79.5	55	4.4	4.6	721	2.51	1.6	1.1	<0.2	7.0	208.6	0.09	0.12	0.10	27	1.71
S192398	Drill Core	2.82	0.37	6.13	9.29	89.3	46	3.9	3.9	737	2.57	1.7	1.1	1.0	7.1	194.6	0.11	0.13	0.09	30	1.41
S192399	Drill Core	4.00	1.06	6.75	9.01	85.9	182	5.0	4.8	961	3.08	1.6	0.6	1.0	6.2	226.9	0.06	0.10	0.90	48	1.95
S192400	Rock Pulp	0.11	281.02	2452.78	80.00	428.5	3092	15.2	10.9	875	4.40	28.5	0.7	320.8	3.2	56.2	2.37	1.52	1.21	31	0.84
S192401	Drill Core	2.81	1.17	6.37	7.18	86.1	64	5.2	4.6	996	3.04	1.7	0.6	0.8	6.3	173.9	0.09	0.09	0.55	48	1.83

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Project: TRX15-01
Report Date: November 21, 2015

CERTIFICATE OF ANALYSIS SMI15000104.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192372	Drill Core	0.142	8.5	1.0	0.85	63.3	0.167	2	1.46	0.055	0.73	0.4	2.6	0.11	0.10	28	<0.1	<0.02	8.5	1.03	0.1
S192373	Drill Core	0.160	9.2	2.1	1.01	93.8	0.201	2	1.60	0.050	0.91	0.4	4.0	0.12	0.06	17	<0.1	0.08	9.0	1.36	0.2
S192374	Drill Core	0.222	7.6	202.4	3.66	347.8	0.234	1	3.26	0.038	2.88	0.1	5.0	0.16	<0.02	9	<0.1	<0.02	9.1	3.22	0.2
S192375	Drill Core	0.202	6.8	213.2	3.76	338.2	0.243	1	3.93	0.039	3.29	0.2	10.1	0.23	<0.02	12	<0.1	0.05	10.3	4.90	0.1
S192376	Drill Core	0.162	6.8	121.9	2.30	76.7	0.159	<1	2.75	0.031	1.65	0.6	7.4	0.27	0.23	57	<0.1	<0.02	10.0	4.13	0.4
S192377	Drill Core	0.194	7.3	200.1	3.59	175.0	0.228	<1	3.61	0.027	2.96	<0.1	6.3	0.26	<0.02	23	<0.1	<0.02	8.7	6.15	0.3
S192378	Drill Core	0.210	8.5	214.3	4.09	222.0	0.238	1	3.65	0.027	3.07	0.2	7.1	0.22	<0.02	13	<0.1	<0.02	8.9	6.46	0.4
S192379	Drill Core	0.215	8.1	213.9	4.02	267.0	0.249	1	3.67	0.030	3.31	0.1	6.3	0.19	<0.02	18	<0.1	<0.02	8.4	5.96	0.3
S192380	Drill Core	0.225	7.2	193.6	3.37	195.3	0.236	3	2.89	0.046	2.58	0.1	3.5	0.13	<0.02	<5	<0.1	0.10	7.3	3.80	0.2
S192381	Drill Core	0.219	7.2	190.2	3.40	165.6	0.233	2	2.84	0.043	2.30	0.2	3.9	0.11	<0.02	9	<0.1	0.12	7.3	3.60	0.3
S192382	Drill Core	0.159	8.5	2.3	0.98	31.8	0.122	3	1.57	0.069	0.25	0.4	2.6	<0.02	0.21	8	<0.1	<0.02	7.0	0.26	0.2
S192383	Drill Core	0.160	8.4	16.7	1.25	31.6	0.139	2	1.48	0.044	0.25	0.3	2.7	0.02	0.07	7	<0.1	0.05	7.9	0.39	0.1
S192384	Drill Core	0.224	7.3	157.1	2.67	86.3	0.179	3	2.31	0.049	1.46	0.2	3.5	0.08	<0.02	18	0.3	0.05	6.1	1.82	0.1
S192385	Drill Core	0.215	7.0	176.0	3.21	137.1	0.206	2	2.66	0.043	1.88	0.1	4.1	0.07	<0.02	<5	<0.1	0.02	6.5	2.92	0.1
S192386	Drill Core	0.221	7.0	149.3	2.72	127.0	0.183	3	2.26	0.052	1.65	<0.1	3.6	0.06	<0.02	<5	<0.1	<0.02	6.1	2.21	0.2
S192387	Drill Core	0.219	6.6	170.8	3.17	223.1	0.214	3	2.73	0.050	2.43	0.1	3.7	0.12	<0.02	<5	<0.1	<0.02	6.0	3.46	<0.1
S192388	Drill Core	0.203	7.1	179.1	3.64	288.3	0.203	3	3.30	0.042	2.33	0.1	6.2	0.13	0.03	6	<0.1	0.05	8.2	5.19	0.2
S192389	Drill Core	0.156	5.7	34.2	1.26	27.2	0.143	1	1.94	0.041	0.64	0.7	3.3	0.12	0.19	7	<0.1	0.02	8.6	1.90	0.2
S192390	Drill Core	0.139	6.7	1.5	0.83	31.1	0.155	2	1.65	0.037	0.81	0.7	2.9	0.19	0.18	15	<0.1	<0.02	8.3	1.98	0.2
S192391	Drill Core	0.150	7.8	2.2	0.93	39.5	0.178	2	1.78	0.034	0.87	0.8	3.3	0.21	0.12	9	<0.1	<0.02	9.6	2.13	0.3
S192392	Drill Core	0.161	8.8	0.9	0.88	49.0	0.155	3	1.57	0.024	0.64	0.5	3.2	0.16	0.05	17	<0.1	<0.02	9.5	1.58	0.2
S192393	Drill Core	0.152	7.7	1.5	0.91	23.0	0.104	2	1.56	0.025	0.37	0.6	2.4	0.09	0.09	16	<0.1	<0.02	7.8	0.98	0.2
S192394	Drill Core	0.160	10.3	1.0	0.88	91.1	0.190	1	1.67	0.033	1.05	0.3	3.7	0.18	<0.02	<5	<0.1	<0.02	9.2	1.70	0.2
S192395	Drill Core	0.155	10.0	1.1	0.88	103.6	0.165	1	1.60	0.042	0.87	0.3	4.0	0.14	0.02	<5	0.3	<0.02	10.1	1.30	<0.1
S192396	Drill Core	0.161	8.9	0.9	0.89	70.5	0.168	<1	1.69	0.054	0.69	0.4	3.8	0.13	0.10	15	0.2	<0.02	9.7	1.11	0.2
S192397	Drill Core	0.083	15.1	8.5	0.65	48.7	0.067	<1	1.51	0.068	0.45	<0.1	2.2	0.17	0.13	59	0.3	<0.02	7.8	1.73	0.1
S192398	Drill Core	0.077	13.7	5.8	0.65	59.4	0.094	<1	1.80	0.127	0.53	0.2	2.3	0.26	0.09	31	0.2	<0.02	8.1	1.13	<0.1
S192399	Drill Core	0.107	12.6	9.7	0.82	100.2	0.156	<1	2.33	0.173	0.96	0.1	4.4	0.43	0.09	22	0.4	<0.02	9.9	1.58	0.1
S192400	Rock Pulp	0.076	4.4	21.0	0.59	62.8	0.039	4	1.73	0.053	0.30	1.0	2.5	0.30	2.13	46	3.5	0.57	5.2	3.82	<0.1
S192401	Drill Core	0.109	13.5	8.8	0.80	85.5	0.170	<1	2.28	0.187	0.85	0.2	4.5	0.37	0.09	<5	0.6	0.04	10.0	1.51	0.2

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	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192372	Drill Core	0.04	0.13	50.7	0.3	<0.05	1.6	9.82	17.1	<0.02	<1	0.9	16.3	<10	<2
S192373	Drill Core	0.05	0.19	55.3	0.5	<0.05	1.7	10.64	18.1	<0.02	<1	0.7	20.0	<10	<2
S192374	Drill Core	0.07	0.05	88.9	0.3	<0.05	1.5	5.00	14.4	<0.02	<1	0.5	39.4	<10	5
S192375	Drill Core	0.03	0.04	115.1	0.2	<0.05	0.6	4.76	12.7	<0.02	<1	0.5	47.1	<10	<2
S192376	Drill Core	0.03	0.03	71.9	0.3	<0.05	1.5	6.83	13.7	<0.02	<1	1.1	33.7	12	4
S192377	Drill Core	<0.02	0.03	107.6	0.1	<0.05	0.8	5.42	14.0	<0.02	<1	1.1	43.6	<10	<2
S192378	Drill Core	0.02	0.03	104.9	<0.1	<0.05	0.9	6.21	17.0	<0.02	<1	0.9	42.3	10	6
S192379	Drill Core	0.05	0.05	110.8	0.2	<0.05	1.0	5.56	15.3	<0.02	<1	1.0	43.5	17	5
S192380	Drill Core	0.05	0.07	80.4	<0.1	<0.05	1.4	4.54	13.9	<0.02	<1	0.9	35.1	16	10
S192381	Drill Core	0.04	0.07	72.7	0.2	<0.05	1.6	4.86	14.2	<0.02	<1	0.7	31.6	<10	10
S192382	Drill Core	0.08	0.29	7.9	0.2	<0.05	2.2	10.14	17.8	<0.02	<1	0.5	13.4	<10	3
S192383	Drill Core	0.08	0.19	10.0	0.3	<0.05	2.3	9.31	17.3	<0.02	2	0.4	10.2	<10	4
S192384	Drill Core	0.12	0.09	47.3	0.1	<0.05	2.6	4.51	13.5	<0.02	<1	0.6	21.5	<10	6
S192385	Drill Core	0.06	0.06	57.1	0.1	<0.05	1.7	4.41	13.6	<0.02	2	1.3	29.7	24	4
S192386	Drill Core	0.09	0.04	43.3	0.1	<0.05	2.6	4.14	13.0	<0.02	<1	0.9	28.6	<10	5
S192387	Drill Core	0.04	0.08	62.6	0.1	<0.05	1.7	3.97	12.7	<0.02	<1	0.3	32.0	12	5
S192388	Drill Core	0.04	<0.02	67.9	0.2	<0.05	2.3	5.87	13.7	<0.02	<1	0.9	36.7	<10	8
S192389	Drill Core	<0.02	0.14	40.9	0.3	<0.05	1.2	7.08	11.8	<0.02	<1	0.9	19.1	<10	<2
S192390	Drill Core	0.04	0.13	57.2	0.4	<0.05	1.4	9.45	14.1	<0.02	<1	0.6	18.6	<10	<2
S192391	Drill Core	0.05	0.15	66.5	0.4	<0.05	1.7	10.08	15.3	<0.02	<1	0.5	23.8	<10	<2
S192392	Drill Core	0.05	0.16	51.2	0.6	<0.05	1.4	11.74	18.2	<0.02	<1	0.5	23.4	<10	<2
S192393	Drill Core	0.03	0.13	25.6	0.5	<0.05	1.1	10.13	15.3	<0.02	<1	0.5	17.0	<10	<2
S192394	Drill Core	0.03	0.14	74.9	0.5	<0.05	1.2	12.62	19.9	<0.02	<1	0.5	20.0	<10	<2
S192395	Drill Core	0.05	0.17	65.5	0.8	<0.05	2.0	12.28	20.7	<0.02	<1	1.0	20.0	<10	9
S192396	Drill Core	0.06	0.17	45.2	1.0	<0.05	2.8	11.27	19.2	<0.02	<1	<0.1	16.1	<10	<2
S192397	Drill Core	0.18	0.27	32.9	0.3	<0.05	5.1	5.16	30.8	0.02	3	0.6	14.4	<10	<2
S192398	Drill Core	0.23	0.46	39.3	0.6	<0.05	4.9	4.03	28.6	<0.02	5	0.5	14.3	<10	2
S192399	Drill Core	0.06	0.19	61.6	0.9	<0.05	2.8	6.70	26.8	<0.02	<1	0.6	20.0	<10	3
S192400	Rock Pulp	<0.02	0.17	15.0	0.7	<0.05	1.0	4.38	9.1	0.12	282	0.2	17.5	*	<2
S192401	Drill Core	0.07	0.23	55.7	0.6	<0.05	2.6	6.98	27.4	<0.02	<1	0.5	17.4	<10	3

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Project: TRX15-01
Report Date: November 21, 2015

QUALITY CONTROL REPORT SMI15000104.1

Method		WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
Pulp Duplicates																					
S192282	Drill Core	1.46	1.92	47.68	7.24	89.0	212	12.5	16.3	760	4.23	4.6	0.3	<0.2	1.2	225.1	0.34	1.72	0.07	74	5.52
REP S192282	QC		2.01	49.40	7.50	92.3	227	12.8	17.0	786	4.33	4.8	0.3	<0.2	1.2	235.5	0.40	1.77	0.08	77	5.63
S192317	Drill Core	4.99	0.65	176.67	6.00	52.3	130	59.9	23.6	630	3.47	5.0	0.5	4.2	1.7	177.4	0.09	0.14	0.03	123	4.26
REP S192317	QC		0.62	173.43	5.95	51.8	123	59.1	23.5	616	3.44	5.0	0.6	4.3	1.7	185.9	0.08	0.14	0.03	123	4.20
S192330	Rock	1.16	0.04	0.93	0.11	0.6	<2	<0.1	0.1	19	0.03	0.4	1.5	<0.2	<0.1	2926.6	<0.01	<0.02	<0.02	<2	33.04
REP S192330	QC		0.05	0.93	0.12	0.2	<2	<0.1	<0.1	18	0.03	0.9	1.4	0.3	<0.1	2908.7	<0.01	<0.02	<0.02	<2	32.93
S192365 Dup of S192364	Core DUP		1.63	158.86	2.38	81.2	294	61.6	27.9	1143	4.84	1.5	0.5	4.7	1.8	231.8	0.05	0.13	<0.02	161	4.29
REP S192365 Dup of	QC		1.69	157.69	2.41	81.8	274	64.8	29.0	1162	4.91	1.0	0.5	3.2	1.8	240.4	0.02	0.12	<0.02	165	4.34
REP S192401	QC		1.40	5.77	6.89	87.2	74	5.8	4.4	978	3.14	1.5	0.6	0.9	5.9	162.8	0.06	0.12	0.42	47	1.81
Core Reject Duplicates																					
S192265	Drill Core	0.80	2.56	60.07	5.81	96.1	213	18.3	21.5	726	4.54	21.9	0.3	1.1	0.9	176.8	0.22	2.92	0.04	105	4.64
DUP S192265	QC		2.61	59.12	5.75	94.2	201	18.3	22.8	746	4.71	22.1	0.2	0.5	0.9	177.9	0.24	3.04	<0.02	100	4.86
S192299	Drill Core	3.32	0.47	65.10	2.83	88.6	70	9.7	22.7	996	5.14	2.2	0.3	0.4	1.2	219.7	0.15	0.56	<0.02	168	3.31
DUP S192299	QC		0.49	63.83	2.73	88.2	67	8.9	22.9	973	5.14	2.0	0.3	0.3	1.2	210.2	0.16	0.59	<0.02	167	3.35
S192333	Drill Core	4.23	0.49	227.33	2.89	39.0	110	54.0	19.5	471	2.52	1.3	0.4	<0.2	1.4	216.9	<0.01	0.16	<0.02	78	2.93
DUP S192333	QC		0.55	230.31	3.07	36.8	129	53.1	19.6	463	2.46	0.8	0.4	0.8	1.4	214.5	0.07	0.18	<0.02	76	2.83
S192367	Drill Core	4.52	3.78	28.34	2.10	82.3	35	9.5	14.9	974	3.93	1.0	0.7	<0.2	2.4	102.8	0.03	0.10	<0.02	72	1.28
DUP S192367	QC		3.73	26.88	2.08	82.1	32	9.9	15.3	975	3.92	1.2	0.6	<0.2	2.3	102.5	0.02	0.08	<0.02	72	1.30
S192401	Drill Core	2.81	1.17	6.37	7.18	86.1	64	5.2	4.6	996	3.04	1.7	0.6	0.8	6.3	173.9	0.09	0.09	0.55	48	1.83
DUP S192401	QC		1.27	6.01	6.93	84.8	67	5.7	4.5	969	3.09	2.0	0.6	<0.2	5.9	168.2	0.01	0.10	0.42	46	1.79
Reference Materials																					
STD DS10	Standard		15.19	162.89	153.77	407.2	1899	77.9	13.2	912	2.80	46.7	2.7	82.9	8.1	73.9	2.54	9.04	13.23	45	1.11
STD DS10	Standard		14.85	160.68	152.38	374.2	1914	76.3	12.9	897	2.83	44.6	2.7	81.9	8.3	72.0	2.62	8.98	13.38	44	1.08
STD DS10	Standard		14.76	150.84	159.31	367.2	2098	73.8	12.3	985	2.81	46.5	2.7	105.9	7.7	67.8	2.68	8.88	13.82	44	1.10
STD DS10	Standard		14.29	154.94	141.53	366.1	1977	74.6	13.0	935	2.77	42.3	2.5	69.6	7.0	64.8	2.36	7.71	11.93	44	1.08
STD DS10	Standard		14.70	148.58	149.76	356.5	1992	70.0	12.2	932	2.76	44.0	2.6	71.8	7.2	66.9	2.30	8.32	12.77	43	1.08
STD DS10	Standard		15.61	162.48	146.77	389.1	1891	79.1	13.7	956	2.81	47.1	2.7	73.4	7.5	68.8	2.53	8.96	12.66	47	1.11
STD OXC129	Standard		1.23	26.36	6.60	44.4	24	82.7	21.2	419	3.08	0.5	0.7	192.2	1.9	196.2	0.03	0.03	<0.02	55	0.70

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Project: TRX15-01
Report Date: November 21, 2015

QUALITY CONTROL REPORT SMI15000104.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
Pulp Duplicates																					
S192282	Drill Core	0.117	6.3	13.9	1.23	55.5	0.141	<1	1.71	0.060	0.31	0.2	4.1	0.23	3.13	<5	1.6	0.05	5.4	0.80	<0.1
REP S192282	QC	0.120	6.5	14.2	1.29	57.8	0.145	<1	1.79	0.061	0.32	0.2	4.3	0.24	3.20	13	1.8	0.04	5.6	0.80	<0.1
S192317	Drill Core	0.224	5.9	171.2	1.84	325.2	0.196	1	2.23	0.128	1.37	0.2	4.3	0.15	0.06	<5	0.1	<0.02	7.7	2.56	0.1
REP S192317	QC	0.224	5.9	166.3	1.80	329.7	0.199	2	2.23	0.121	1.36	0.2	4.7	0.13	0.06	<5	<0.1	0.02	7.8	2.56	0.2
S192330	Rock	0.004	<0.5	0.9	1.04	4.5	0.001	1	0.03	0.003	<0.01	<0.1	0.3	<0.02	0.12	8	<0.1	0.21	<0.1	<0.02	<0.1
REP S192330	QC	0.003	<0.5	1.0	1.03	4.1	0.001	<1	0.03	0.003	<0.01	<0.1	0.2	<0.02	0.12	13	<0.1	0.27	<0.1	<0.02	<0.1
S192365 Dup of S192364	Core DUP	0.194	8.2	173.5	3.56	125.0	0.078	1	3.11	0.033	0.56	0.2	9.1	0.09	<0.02	6	<0.1	<0.02	11.2	1.89	0.3
REP S192365 Dup of	QC	0.210	8.5	180.7	3.62	130.2	0.078	2	3.21	0.034	0.57	0.1	8.6	0.08	<0.02	<5	<0.1	<0.02	11.6	1.91	0.3
REP S192401	QC	0.099	11.0	8.8	0.83	83.7	0.167	<1	2.20	0.159	0.87	0.1	4.2	0.38	0.09	<5	0.1	0.10	9.6	1.53	<0.1
Core Reject Duplicates																					
S192265	Drill Core	0.167	6.9	24.8	1.91	86.5	0.106	2	2.40	0.052	0.71	<0.1	6.5	0.45	2.80	<5	0.6	<0.02	7.4	2.05	<0.1
DUP S192265	QC	0.170	6.9	24.1	1.93	70.0	0.098	<1	2.29	0.038	0.68	<0.1	5.9	0.45	2.92	<5	0.6	<0.02	7.2	2.09	<0.1
S192299	Drill Core	0.125	7.3	10.3	2.23	604.9	0.326	1	3.75	0.113	2.47	0.2	10.5	0.27	0.12	<5	<0.1	<0.02	12.0	4.74	0.2
DUP S192299	QC	0.122	7.0	9.8	2.20	601.4	0.314	<1	3.62	0.097	2.44	0.2	9.9	0.27	0.12	<5	<0.1	<0.02	11.8	4.77	0.3
S192333	Drill Core	0.192	4.2	122.5	1.57	148.4	0.155	4	1.72	0.167	0.63	0.3	6.0	0.03	0.03	14	<0.1	<0.02	5.7	0.57	0.3
DUP S192333	QC	0.197	4.1	122.1	1.56	152.8	0.154	4	1.70	0.160	0.63	0.3	5.7	0.03	0.03	18	<0.1	0.07	5.3	0.62	0.3
S192367	Drill Core	0.149	6.7	24.0	1.34	95.8	0.230	<1	1.88	0.049	1.29	0.2	2.7	0.15	0.04	7	<0.1	0.05	7.4	2.00	0.3
DUP S192367	QC	0.151	6.5	24.5	1.36	91.3	0.228	<1	1.88	0.046	1.30	0.2	2.5	0.14	0.04	<5	<0.1	0.05	8.1	1.88	0.2
S192401	Drill Core	0.109	13.5	8.8	0.80	85.5	0.170	<1	2.28	0.187	0.85	0.2	4.5	0.37	0.09	<5	0.6	0.04	10.0	1.51	0.2
DUP S192401	QC	0.104	11.4	8.5	0.81	82.6	0.171	<1	2.19	0.160	0.85	0.2	4.3	0.40	0.09	<5	0.5	0.08	10.8	1.48	<0.1
Reference Materials																					
STD DS10	Standard	0.077	18.0	56.4	0.80	335.6	0.087	7	1.10	0.073	0.35	3.3	3.1	5.18	0.30	312	2.1	4.64	4.4	2.60	<0.1
STD DS10	Standard	0.075	18.8	56.5	0.80	367.3	0.086	8	1.10	0.072	0.35	3.3	2.9	5.23	0.28	279	2.4	5.06	4.4	2.67	<0.1
STD DS10	Standard	0.075	17.2	54.2	0.78	366.7	0.079	4	1.05	0.069	0.34	3.8	3.0	5.52	0.29	284	2.2	4.64	4.8	2.69	<0.1
STD DS10	Standard	0.073	16.3	57.9	0.79	332.3	0.080	5	1.07	0.069	0.34	3.1	3.0	4.80	0.28	287	2.4	4.69	3.9	2.50	<0.1
STD DS10	Standard	0.071	16.8	53.9	0.78	357.1	0.077	8	1.06	0.069	0.33	3.5	2.9	5.16	0.28	249	2.0	4.94	4.3	2.63	<0.1
STD DS10	Standard	0.076	18.2	57.1	0.81	351.8	0.083	8	1.09	0.066	0.35	3.2	3.0	5.25	0.29	313	2.2	4.92	4.4	2.63	0.1
STD OXC129	Standard	0.107	12.6	53.5	1.58	50.2	0.442	<1	1.65	0.618	0.38	<0.1	0.7	0.03	<0.02	<5	<0.1	<0.02	5.5	0.16	<0.1

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QUALITY CONTROL REPORT SMI15000104.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates															
S192282	Drill Core	0.14	0.10	13.3	0.3	<0.05	4.2	8.62	12.5	0.02	3	0.2	16.5	<10	<2
REP S192282	QC	0.13	0.12	14.0	0.4	<0.05	4.4	9.11	12.8	0.03	<1	0.2	17.6	<10	<2
S192317	Drill Core	0.12	0.10	30.4	0.2	<0.05	2.7	5.22	11.3	<0.02	<1	0.3	22.2	<10	5
REP S192317	QC	0.08	0.12	29.8	0.2	<0.05	2.8	5.17	11.1	<0.02	<1	0.2	22.6	<10	6
S192330	Rock	<0.02	0.02	0.1	<0.1	<0.05	<0.1	0.21	0.2	<0.02	<1	<0.1	0.2	<10	<2
REP S192330	QC	<0.02	0.03	0.2	<0.1	<0.05	0.2	0.18	0.2	<0.02	<1	<0.1	0.2	<10	<2
S192365 Dup of S192364	Core DUP	0.07	<0.02	25.8	0.3	<0.05	1.1	7.00	17.5	<0.02	3	0.9	32.8	<10	16
REP S192365 Dup of	QC	0.04	0.03	26.0	0.2	<0.05	1.3	7.32	17.7	<0.02	<1	0.4	33.9	<10	6
REP S192401	QC	0.12	0.20	57.3	0.6	<0.05	2.2	6.38	23.7	<0.02	<1	0.2	19.5	11	<2
Core Reject Duplicates															
S192265	Drill Core	0.05	0.05	26.5	0.3	<0.05	2.4	11.78	14.4	0.03	2	0.5	23.4	<10	2
DUP S192265	QC	0.05	0.02	25.4	0.3	<0.05	1.9	11.13	14.3	0.03	1	0.3	24.5	<10	<2
S192299	Drill Core	0.07	0.09	70.4	0.7	<0.05	2.0	10.16	15.4	0.03	<1	0.4	30.0	<10	3
DUP S192299	QC	0.04	0.06	69.2	0.8	<0.05	1.9	9.94	14.8	0.03	<1	0.4	29.7	<10	<2
S192333	Drill Core	0.13	0.17	10.9	0.2	<0.05	5.0	3.65	8.4	<0.02	1	0.4	15.4	14	9
DUP S192333	QC	0.15	0.19	11.3	0.2	<0.05	5.0	3.83	8.4	<0.02	<1	0.7	16.0	22	3
S192367	Drill Core	0.07	0.18	78.1	0.4	<0.05	2.0	7.53	13.5	<0.02	<1	0.5	23.4	<10	<2
DUP S192367	QC	0.07	0.15	75.3	0.4	<0.05	1.8	7.67	13.0	<0.02	2	0.3	24.4	<10	<2
S192401	Drill Core	0.07	0.23	55.7	0.6	<0.05	2.6	6.98	27.4	<0.02	<1	0.5	17.4	<10	3
DUP S192401	QC	0.09	0.19	56.6	0.6	<0.05	2.4	6.51	24.6	<0.02	<1	0.5	17.7	<10	<2
Reference Materials															
STD DS10	Standard	0.06	1.56	28.9	1.6	<0.05	2.8	8.31	35.9	0.25	53	0.6	20.1	98	173
STD DS10	Standard	0.06	1.50	28.6	1.6	<0.05	2.9	8.41	38.7	0.22	55	0.8	19.4	110	184
STD DS10	Standard	0.07	1.64	29.0	1.7	<0.05	2.7	7.44	37.4	0.25	53	1.0	20.5	90	190
STD DS10	Standard	0.04	1.67	26.9	1.6	<0.05	2.7	7.26	34.4	0.18	63	0.7	21.2	111	160
STD DS10	Standard	0.03	1.56	28.5	1.5	<0.05	2.8	7.47	36.5	0.22	52	0.9	19.6	111	170
STD DS10	Standard	0.07	1.73	28.6	1.6	<0.05	2.8	8.14	35.5	0.26	48	0.7	19.3	102	178
STD OXC129	Standard	0.29	0.95	15.9	0.7	<0.05	22.2	4.82	23.6	<0.02	<1	1.1	2.2	<10	<2

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Client: **Equity Exploration Consultants Ltd.**
#1510 - 250 Howe St.
Vancouver BC V6C 3R8 CANADA

Project: TRX15-01
Report Date: November 21, 2015

QUALITY CONTROL REPORT SMI15000104.1

		WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
STD OXC129	Standard		1.32	26.83	6.21	40.6	18	75.4	19.5	415	2.96	0.7	0.7	180.6	1.8	182.2	0.02	0.03	<0.02	52	0.67
STD OXC129	Standard		1.45	26.20	6.43	40.4	17	78.9	20.3	416	3.05	0.7	0.7	186.1	1.9	198.1	<0.01	<0.02	<0.02	52	0.67
STD OXC129	Standard		1.28	26.88	6.24	37.5	29	79.9	20.9	461	3.01	0.6	0.7	179.4	1.9	190.4	<0.01	0.04	<0.02	52	0.61
STD OXC129	Standard		1.20	30.65	6.74	40.3	32	81.7	21.4	414	3.02	0.6	0.7	176.4	2.0	191.2	<0.01	0.04	<0.02	52	0.66
STD OXC129	Standard		1.36	29.25	6.81	45.6	25	83.2	20.5	457	3.13	0.6	0.7	202.2	2.0	192.7	0.03	0.04	<0.02	56	0.68
STD DS10 Expected			15.1	154.61	150.55	370	2020	74.6	12.9	875	2.7188	46.2	2.59	91.9	7.5	67.1	2.62	9	11.65	43	1.0625
STD OXC129 Expected			1.3	28	6.3	42.9	28	79.5	20.3	421	3.065	0.6	0.72	195	1.9		0.03	0.04		51	0.665
BLK	Blank		<0.01	0.01	<0.01	<0.1	2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	0.05	<0.01	<0.1	4	<0.1	<0.1	1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	5	<0.1	<0.1	2	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	0.04	<0.1	7	0.3	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
Prep Wash																					
ROCK-SMI	Prep Blank		0.86	4.66	1.13	32.8	6	1.1	3.9	489	1.86	0.8	0.4	1.1	2.4	33.8	0.02	0.04	0.03	26	0.71
ROCK-SMI	Prep Blank		0.46	5.59	1.16	32.6	7	0.8	3.8	471	1.91	0.8	0.4	0.3	2.5	25.7	0.03	0.04	0.02	25	0.61

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Client: **Equity Exploration Consultants Ltd.**
#1510 - 250 Howe St.
Vancouver BC V6C 3R8 CANADA

Project: TRX15-01
Report Date: November 21, 2015

QUALITY CONTROL REPORT SMI15000104.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
STD OXC129	Standard	0.099	12.3	50.6	1.52	48.6	0.416	<1	1.61	0.622	0.36	<0.1	0.7	0.04	<0.02	<5	<0.1	<0.02	5.5	0.15	<0.1
STD OXC129	Standard	0.107	12.3	51.9	1.59	51.7	0.415	<1	1.58	0.600	0.37	0.1	1.0	0.04	<0.02	20	0.2	<0.02	5.4	0.17	0.1
STD OXC129	Standard	0.094	12.0	54.3	1.57	48.0	0.412	<1	1.55	0.588	0.37	0.1	1.0	0.03	<0.02	<5	<0.1	<0.02	5.6	0.17	0.2
STD OXC129	Standard	0.093	12.3	55.0	1.58	50.6	0.431	3	1.56	0.599	0.37	0.1	1.0	0.03	<0.02	9	<0.1	<0.02	5.8	0.17	<0.1
STD OXC129	Standard	0.104	13.1	51.5	1.58	51.8	0.411	1	1.60	0.581	0.37	<0.1	0.9	0.04	<0.02	<5	<0.1	<0.02	6.0	0.17	<0.1
STD DS10 Expected		0.0765	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	3	5.1	0.29	300	2.3	5.01	4.5	2.63	0.08
STD OXC129 Expected		0.102	13	52	1.545	50	0.4	1	1.58	0.6	0.37	0.08	1.1	0.03					5.6	0.16	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	8	0.2	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	6	<0.1	<0.02	0.1	<0.02	<0.1
Prep Wash																					
ROCK-SMI	Prep Blank	0.045	6.4	7.6	0.48	85.3	0.085	2	1.11	0.131	0.13	<0.1	3.3	<0.02	<0.02	<5	<0.1	<0.02	4.3	0.11	0.1
ROCK-SMI	Prep Blank	0.044	6.9	4.0	0.44	74.1	0.089	1	0.96	0.114	0.10	0.1	3.0	<0.02	<0.02	<5	<0.1	<0.02	4.0	0.10	<0.1

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Client: **Equity Exploration Consultants Ltd.**
#1510 - 250 Howe St.
Vancouver BC V6C 3R8 CANADA

Project: TRX15-01
Report Date: November 21, 2015

QUALITY CONTROL REPORT SMI15000104.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
STD OXC129	Standard	0.20	0.86	15.0	0.7	<0.05	20.2	4.49	23.2	<0.02	<1	0.8	1.8	<10	<2
STD OXC129	Standard	0.29	1.15	16.9	0.8	<0.05	23.0	4.74	25.1	<0.02	<1	0.9	2.9	<10	4
STD OXC129	Standard	0.20	1.06	15.5	0.7	<0.05	20.8	4.66	23.0	<0.02	<1	0.6	1.8	<10	2
STD OXC129	Standard	0.26	1.08	15.7	0.7	<0.05	23.7	4.54	24.3	<0.02	<1	0.7	1.9	<10	7
STD OXC129	Standard	0.26	1.05	16.2	0.9	<0.05	22.0	4.98	24.5	<0.02	<1	0.9	2.2	<10	<2
STD DS10 Expected		0.06	1.62	27.7	1.6		2.7	7.77	37	0.23	50	0.63	19.4	110	191
STD OXC129 Expected		0.24	1.4		0.7		21	4.7	23.7			0.8	2.22		
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	0.2	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	4	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
Prep Wash															
ROCK-SMI	Prep Blank	0.18	0.21	3.3	0.4	<0.05	4.6	8.71	13.3	0.02	<1	0.4	2.9	<10	<2
ROCK-SMI	Prep Blank	0.18	0.15	2.9	0.4	<0.05	4.8	9.09	14.0	<0.02	<1	0.3	3.5	<10	<2

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Submitted By:	Thomas Branson
Receiving Lab:	Canada-Smithers
Received:	November 04, 2015
Report Date:	December 04, 2015
Page:	1 of 6

CERTIFICATE OF ANALYSIS SMI15000105.1

CLIENT JOB INFORMATION

Project:	TRX15-01
Shipment ID:	TRX15-01_2
P.O. Number	TRX15-01_2
Number of Samples:	127

SAMPLE DISPOSAL

RTRN-PLP	Return
DISP-RJT	Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	120	Crush, split and pulverize 250 g rock to 200 mesh			SMI
SPTRF	4	Split samples by riffle splitter			SMI
PUL85	4	Pulverize to 85% passing 200 mesh			VAN
SLBHP	3	Sort, label and box pulps			SMI
AQ251_EXT	127	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Equity Exploration Consultants Ltd.
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CANADA

CC: Ron Voordouw
Michael Pond

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Geochemical Laboratory Manager

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Project: TRX15-01
Report Date: December 04, 2015

CERTIFICATE OF ANALYSIS SMI15000105.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192402	Drill Core	3.87	2.58	9.25	9.79	99.9	67	5.3	5.1	930	2.93	1.7	0.6	1.5	6.7	187.4	0.13	0.18	0.08	44	1.83
S192403	Drill Core	3.23	0.06	9.20	11.12	94.7	55	5.7	5.3	942	2.97	1.0	0.6	3.2	7.3	215.8	0.08	0.13	0.04	44	2.12
S192404	Drill Core	1.24	0.10	7.20	13.50	111.8	58	6.6	6.5	1189	3.71	2.9	0.8	0.9	8.4	199.0	0.11	0.12	0.03	54	2.97
S192405 Dup of S192404	Core DUP	<0.01	0.09	7.25	13.18	109.3	58	6.4	6.3	1169	3.63	2.5	0.9	1.9	8.8	209.0	0.08	0.12	0.03	53	3.02
S192406	Drill Core	2.70	0.07	6.95	11.06	98.4	54	6.2	6.0	1129	3.58	1.5	1.0	1.5	9.0	290.0	0.05	0.10	0.03	55	2.73
S192407	Drill Core	2.58	0.07	6.83	14.56	109.9	54	6.3	6.0	1090	3.41	4.0	1.0	1.6	9.1	297.8	0.09	0.27	0.04	47	2.94
S192408	Drill Core	4.42	0.11	8.15	11.79	108.1	56	6.2	6.0	1164	3.59	1.4	0.9	1.0	9.4	322.1	0.09	0.17	0.04	55	2.84
S192409	Drill Core	3.37	6.67	22.68	9.33	97.8	109	8.0	6.4	766	2.72	1.9	0.9	2.0	8.2	341.4	0.15	0.20	0.32	36	2.45
S192410	Rock	0.94	0.06	0.26	0.17	0.6	4	0.9	0.3	21	0.03	<0.1	1.6	0.5	<0.1	4137.1	<0.01	<0.02	<0.02	<2	37.24
S192411	Drill Core	2.97	2.90	20.13	13.13	96.2	115	4.7	4.8	610	2.52	1.8	1.5	4.8	10.1	322.8	0.11	0.23	0.39	25	1.72
S192412	Drill Core	3.50	1.08	191.18	8.30	96.7	606	90.7	36.6	1334	6.09	1.1	0.3	18.9	1.8	533.7	0.23	0.09	0.12	259	7.25
S192413	Drill Core	2.48	0.30	20.55	9.93	85.3	64	5.4	5.0	573	2.53	3.6	0.9	12.3	8.7	298.1	0.09	0.20	0.04	31	1.53
S192414	Drill Core	3.67	0.77	15.23	6.58	78.2	25	3.6	4.1	558	2.34	1.4	1.0	1.2	7.9	155.6	0.05	0.12	0.05	25	0.85
S192415	Drill Core	3.19	1.30	21.67	5.86	76.3	28	3.7	4.1	478	2.22	0.8	0.8	1.1	7.6	148.7	0.05	0.11	0.04	23	0.78
S192416	Drill Core	4.40	1.35	141.33	5.66	105.1	257	75.6	29.3	1210	4.95	0.7	0.3	6.0	1.3	271.6	0.24	0.05	0.07	198	4.99
S192417	Drill Core	3.70	1.14	159.76	5.06	80.8	412	70.9	28.5	925	4.33	0.6	0.3	3.6	1.3	251.2	0.18	0.11	0.27	169	3.51
S192418	Drill Core	2.40	1.06	9.40	5.48	90.3	105	5.3	4.9	799	3.00	0.3	0.5	0.6	6.5	128.2	0.13	0.05	0.09	48	1.60
S192419	Drill Core	2.98	0.50	11.11	9.93	92.5	140	5.3	5.0	755	2.91	0.4	0.6	2.6	6.2	175.9	0.16	0.07	0.15	44	1.72
S192420	Drill Core	2.98	0.08	7.90	10.05	89.5	87	5.6	5.3	769	2.91	0.6	0.7	1.0	7.1	261.3	0.11	0.06	0.06	42	1.75
S192421	Drill Core	2.67	0.09	6.16	10.52	86.0	52	5.6	5.2	851	2.82	0.6	0.7	3.6	6.8	175.0	0.14	0.07	0.03	38	2.07
S192422	Drill Core	3.43	0.07	6.91	7.32	85.1	44	5.9	5.5	889	2.84	0.2	0.7	0.6	7.7	258.0	0.09	0.08	0.02	40	1.91
S192423	Drill Core	2.17	0.07	9.27	7.47	83.1	41	6.2	5.6	889	2.72	0.3	0.6	1.0	8.0	329.0	0.07	0.09	0.03	37	1.97
S192424	Drill Core	3.38	1.28	151.17	4.90	79.4	252	74.6	31.6	1181	4.89	0.5	0.3	4.2	1.6	301.6	0.11	0.09	0.05	200	4.06
S192425	Drill Core	1.23	0.78	154.51	5.01	81.8	275	77.5	33.9	1215	4.98	0.8	0.3	4.5	1.5	274.9	0.09	0.07	0.06	200	4.13
S192426	Drill Core	3.60	0.38	169.78	3.59	84.7	159	81.4	32.6	1128	5.08	0.9	0.4	6.3	1.4	214.6	0.05	0.07	0.19	214	3.72
S192427	Drill Core	2.67	0.38	165.57	6.30	75.2	224	73.8	32.4	1127	4.84	1.7	0.7	7.8	1.2	246.0	0.09	0.09	0.05	208	3.97
S192428	Drill Core	4.47	0.26	164.80	2.20	58.3	101	67.2	25.4	679	3.71	0.7	0.4	3.0	1.3	146.7	0.03	0.05	<0.02	137	2.14
S192429	Drill Core	5.09	0.94	182.17	1.70	52.2	97	61.4	24.2	462	3.12	1.0	0.4	2.4	1.4	124.0	0.02	0.05	<0.02	104	1.43
S192430	Drill Core	4.88	1.11	186.77	1.68	51.1	103	55.6	20.7	463	2.96	1.0	0.3	2.5	1.2	137.8	0.02	0.06	<0.02	95	1.39
S192431	Drill Core	4.70	0.77	177.63	1.63	56.5	99	63.9	26.0	570	3.41	0.9	0.3	4.6	1.2	161.7	0.03	0.07	<0.02	119	1.84

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Project: TRX15-01

Report Date: December 04, 2015

CERTIFICATE OF ANALYSIS SMI15000105.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192402	Drill Core	0.102	13.4	7.4	0.81	98.9	0.154	1	2.48	0.244	0.93	0.2	2.8	0.51	0.09	5	0.4	0.04	10.2	1.70	<0.1
S192403	Drill Core	0.114	12.0	8.4	0.83	128.9	0.185	2	3.17	0.364	1.11	0.5	2.2	0.60	0.06	5	0.1	0.03	10.7	1.80	0.1
S192404	Drill Core	0.134	13.3	9.6	1.03	85.2	0.171	1	3.16	0.333	0.67	0.3	4.2	0.32	0.09	7	0.1	0.04	12.4	1.08	<0.1
S192405 Dup of S192404	Core DUP	0.135	14.2	9.6	1.01	89.2	0.172	2	3.21	0.340	0.64	0.4	4.0	0.29	0.09	8	0.1	0.02	12.0	1.00	0.1
S192406	Drill Core	0.144	13.7	9.0	1.00	161.3	0.213	2	3.68	0.427	1.23	0.3	4.6	0.54	0.08	6	0.2	0.04	12.4	2.08	0.1
S192407	Drill Core	0.125	15.5	8.9	0.97	58.1	0.125	1	2.61	0.209	0.39	0.3	3.9	0.19	0.12	11	0.2	0.03	11.2	1.02	<0.1
S192408	Drill Core	0.126	15.9	9.3	0.99	114.2	0.184	2	2.91	0.260	1.02	0.1	5.3	0.46	0.11	7	0.3	0.05	12.9	1.77	0.1
S192409	Drill Core	0.104	18.0	14.9	0.93	65.6	0.060	1	1.93	0.081	0.54	0.2	2.8	0.21	0.20	11	0.3	0.05	8.7	2.26	<0.1
S192410	Rock	0.004	<0.5	0.5	1.23	7.8	<0.001	<1	0.02	0.002	0.01	<0.1	0.5	<0.02	<0.02	<5	<0.1	0.58	<0.1	<0.02	<0.1
S192411	Drill Core	0.086	21.1	6.2	0.75	45.5	0.036	2	1.68	0.074	0.35	0.2	2.0	0.14	0.27	24	0.3	0.04	7.8	1.33	<0.1
S192412	Drill Core	0.255	9.1	240.1	4.08	718.8	0.277	1	4.68	0.114	3.90	0.3	16.6	0.83	0.14	<5	<0.1	0.05	13.8	8.11	0.4
S192413	Drill Core	0.087	15.3	9.9	0.76	59.9	0.098	2	1.87	0.111	0.44	0.5	2.0	0.19	0.13	9	<0.1	0.03	8.5	1.17	<0.1
S192414	Drill Core	0.074	13.7	4.5	0.62	66.2	0.119	1	1.74	0.138	0.58	0.3	1.7	0.30	0.09	8	<0.1	<0.02	7.7	1.27	<0.1
S192415	Drill Core	0.075	14.8	4.4	0.64	54.2	0.114	2	1.50	0.100	0.48	0.2	1.4	0.18	0.09	6	<0.1	0.05	6.8	1.11	<0.1
S192416	Drill Core	0.221	7.3	200.8	3.64	799.7	0.226	1	3.79	0.059	2.64	0.3	10.9	0.57	<0.02	<5	<0.1	0.04	11.0	5.78	0.3
S192417	Drill Core	0.224	7.5	180.2	3.30	854.6	0.225	<1	3.25	0.065	2.26	0.2	5.2	0.46	<0.02	<5	<0.1	0.07	9.2	6.26	0.2
S192418	Drill Core	0.108	11.7	8.3	0.82	114.4	0.181	<1	2.30	0.207	1.15	0.1	3.8	0.45	0.04	<5	0.2	0.03	9.8	2.12	0.1
S192419	Drill Core	0.116	12.6	7.7	0.82	97.6	0.155	<1	2.16	0.163	0.83	0.3	2.6	0.40	0.12	8	0.2	0.05	9.7	1.50	<0.1
S192420	Drill Core	0.110	14.7	8.2	0.85	102.3	0.150	<1	2.17	0.148	0.83	0.2	2.9	0.38	0.08	<5	0.1	0.05	9.3	1.49	0.1
S192421	Drill Core	0.109	14.2	7.7	0.80	84.5	0.138	<1	1.90	0.123	0.69	0.1	3.2	0.29	0.05	8	<0.1	0.05	8.5	1.45	<0.1
S192422	Drill Core	0.103	16.8	7.9	0.85	121.4	0.142	<1	2.08	0.117	0.87	0.1	3.2	0.34	0.03	<5	0.2	0.05	9.1	2.32	0.1
S192423	Drill Core	0.104	15.8	9.3	0.90	88.6	0.102	<1	1.97	0.093	0.55	<0.1	3.2	0.22	0.02	<5	0.2	0.04	8.2	2.89	<0.1
S192424	Drill Core	0.215	8.2	201.9	3.70	881.1	0.226	<1	3.77	0.044	2.85	0.2	9.2	0.50	<0.02	<5	<0.1	0.05	9.6	6.91	0.3
S192425	Drill Core	0.212	7.9	207.2	3.71	885.3	0.226	<1	3.69	0.039	2.91	0.1	10.5	0.50	<0.02	5	<0.1	0.03	9.3	6.61	0.2
S192426	Drill Core	0.235	8.1	227.9	3.85	928.8	0.259	1	3.64	0.037	3.25	<0.1	9.5	0.36	<0.02	<5	<0.1	0.03	9.8	7.30	0.2
S192427	Drill Core	0.212	6.9	194.4	3.81	936.7	0.231	<1	3.94	0.038	3.31	<0.1	11.5	0.26	<0.02	8	<0.1	0.11	10.1	5.80	0.2
S192428	Drill Core	0.230	7.3	162.2	2.96	292.2	0.218	2	2.78	0.039	2.58	<0.1	3.1	0.12	<0.02	<5	<0.1	0.02	6.8	3.37	0.2
S192429	Drill Core	0.242	7.9	130.2	2.37	161.6	0.202	2	2.26	0.040	2.04	0.1	1.9	0.08	<0.02	<5	<0.1	<0.02	5.8	2.29	0.1
S192430	Drill Core	0.224	7.3	120.8	2.20	96.8	0.172	1	2.03	0.038	1.66	0.1	1.8	0.08	<0.02	<5	<0.1	<0.02	5.5	2.16	0.1
S192431	Drill Core	0.227	7.4	138.5	2.66	124.8	0.208	1	2.40	0.042	2.05	0.1	2.8	0.09	<0.02	<5	<0.1	0.03	6.6	2.99	0.1

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Project: TRX15-01
Report Date: December 04, 2015

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CERTIFICATE OF ANALYSIS SMI15000105.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192402	Drill Core	0.07	0.22	66.0	0.5	<0.05	2.5	6.67	25.7	<0.02	2	0.4	19.0	<10	<2
S192403	Drill Core	0.06	0.18	72.8	0.5	<0.05	2.1	6.33	23.9	<0.02	<1	0.7	16.4	<10	<2
S192404	Drill Core	0.08	0.35	43.3	0.7	<0.05	2.5	8.84	26.6	<0.02	<1	1.0	21.3	<10	<2
S192405 Dup of S192404	Core DUP	0.10	0.34	39.8	0.7	<0.05	2.9	9.18	28.7	<0.02	<1	1.1	19.8	<10	<2
S192406	Drill Core	0.09	0.24	75.0	0.7	<0.05	2.5	9.35	27.2	0.02	<1	1.2	16.9	<10	<2
S192407	Drill Core	0.07	0.29	23.7	0.7	<0.05	2.3	9.93	30.6	<0.02	1	1.0	22.7	<10	<2
S192408	Drill Core	0.08	0.30	62.7	1.1	<0.05	2.8	10.27	30.5	<0.02	<1	0.7	18.7	<10	<2
S192409	Drill Core	0.10	0.32	35.2	0.7	<0.05	3.0	7.33	34.6	<0.02	5	0.5	15.0	<10	<2
S192410	Rock	<0.02	0.07	0.1	<0.1	<0.05	0.1	0.29	0.2	<0.02	<1	<0.1	0.3	<10	<2
S192411	Drill Core	0.15	0.39	23.5	0.7	<0.05	4.2	6.37	40.1	<0.02	1	0.4	16.2	<10	<2
S192412	Drill Core	0.02	0.04	153.2	0.5	<0.05	0.9	8.57	17.3	0.03	<1	0.8	49.3	<10	7
S192413	Drill Core	0.11	0.85	31.8	0.4	<0.05	3.4	3.87	27.3	<0.02	<1	0.8	13.8	<10	<2
S192414	Drill Core	0.14	0.80	44.3	0.3	<0.05	4.5	3.25	26.3	<0.02	<1	0.5	11.9	<10	<2
S192415	Drill Core	0.11	0.74	34.4	0.3	<0.05	3.3	3.48	29.3	<0.02	<1	0.7	11.9	<10	<2
S192416	Drill Core	0.02	0.05	109.2	0.4	<0.05	0.8	5.67	14.0	<0.02	<1	0.3	43.1	11	3
S192417	Drill Core	0.02	0.09	96.1	0.2	<0.05	1.1	5.83	13.6	<0.02	<1	0.5	34.5	<10	4
S192418	Drill Core	0.07	0.25	69.7	0.5	<0.05	2.1	5.39	22.8	<0.02	<1	0.4	16.1	<10	<2
S192419	Drill Core	0.10	0.26	56.6	0.5	<0.05	3.2	6.17	26.0	<0.02	<1	0.4	15.8	<10	<2
S192420	Drill Core	0.10	0.33	51.1	0.5	<0.05	3.1	6.80	27.3	<0.02	<1	0.7	15.3	<10	<2
S192421	Drill Core	0.09	0.28	42.6	0.7	<0.05	3.4	7.98	27.2	<0.02	<1	0.5	15.1	<10	<2
S192422	Drill Core	0.09	0.23	53.0	0.6	<0.05	2.6	7.49	32.3	<0.02	<1	0.6	18.7	<10	<2
S192423	Drill Core	0.07	0.26	35.5	0.6	<0.05	2.1	7.66	30.6	<0.02	<1	0.7	16.1	<10	<2
S192424	Drill Core	0.03	0.03	111.9	0.4	<0.05	1.1	6.32	14.8	<0.02	<1	0.6	38.1	<10	5
S192425	Drill Core	<0.02	0.04	110.3	0.3	<0.05	1.0	6.22	14.0	<0.02	<1	0.6	39.3	<10	4
S192426	Drill Core	0.04	0.06	111.3	0.3	<0.05	0.9	6.56	15.3	<0.02	<1	0.5	38.6	19	6
S192427	Drill Core	<0.02	0.03	98.5	0.4	<0.05	0.7	5.76	12.6	<0.02	<1	0.4	39.1	<10	4
S192428	Drill Core	0.06	0.07	71.9	0.1	<0.05	1.9	4.97	13.5	<0.02	<1	0.4	31.2	<10	2
S192429	Drill Core	0.07	0.05	59.9	0.1	<0.05	1.5	4.55	13.5	<0.02	<1	0.4	27.0	<10	4
S192430	Drill Core	0.06	0.05	56.0	0.1	<0.05	1.6	4.48	12.9	<0.02	<1	0.3	21.0	<10	3
S192431	Drill Core	0.08	0.05	70.2	0.1	<0.05	1.8	4.75	13.6	<0.02	<1	0.4	27.2	<10	3

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CERTIFICATE OF ANALYSIS SMI15000105.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192432	Drill Core	5.48	0.83	167.57	2.01	57.7	102	66.7	25.7	585	3.47	0.8	0.4	3.2	1.3	176.6	0.02	0.06	<0.02	119	2.21
S192433	Drill Core	5.68	1.17	176.90	1.90	58.3	90	62.0	22.9	542	3.21	1.0	0.4	3.1	1.4	151.0	0.03	0.07	<0.02	107	1.61
S192434	Drill Core	2.78	1.10	250.66	1.28	30.4	90	30.3	19.0	344	2.47	1.0	0.2	2.3	0.4	135.7	0.06	0.16	<0.02	99	1.95
S192435	Drill Core	3.14	1.07	192.04	1.24	33.3	83	34.2	19.9	404	2.66	0.7	0.1	2.0	0.3	129.6	0.09	0.11	<0.02	102	2.58
S192436	Drill Core	4.54	0.85	160.37	1.50	55.0	77	61.1	24.0	527	3.51	0.8	0.4	1.7	1.3	129.5	0.03	0.05	<0.02	118	1.46
S192437	Drill Core	4.54	1.06	179.11	2.03	55.4	85	60.4	24.2	549	3.38	0.6	0.3	0.8	1.2	108.1	0.03	0.05	<0.02	110	1.26
S192438	Drill Core	4.32	1.51	175.84	1.72	54.5	86	60.1	23.0	551	3.22	0.7	0.4	0.9	1.2	141.8	0.02	0.05	<0.02	103	1.52
S192439	Drill Core	3.05	0.90	179.60	1.28	56.5	99	61.8	24.5	493	3.32	0.5	0.4	5.7	1.2	152.7	<0.01	0.07	<0.02	108	1.22
S192440	Rock Pulp	0.10	285.92	2475.82	85.25	492.4	2761	15.4	11.9	788	4.43	28.7	0.7	336.4	3.5	55.4	2.81	1.67	1.17	32	0.83
S192441	Drill Core	5.13	1.32	171.40	1.30	54.2	93	61.0	25.4	542	3.20	0.8	0.4	4.3	1.2	139.9	0.02	0.06	<0.02	102	1.27
S192442	Drill Core	2.13	1.56	176.90	2.16	60.3	117	62.6	25.8	624	3.58	1.0	0.4	7.3	1.3	221.1	0.03	0.07	<0.02	121	2.27
S192443	Drill Core	4.80	0.15	161.97	1.31	55.9	96	61.0	25.0	530	3.40	0.8	0.4	5.4	1.3	133.2	0.02	0.05	<0.02	111	1.05
S192444	Drill Core	4.07	0.19	178.57	1.21	55.8	95	61.1	23.5	512	3.23	0.6	0.3	6.6	1.1	161.3	<0.01	0.08	<0.02	106	1.23
S192445 Dup of S192444	Core DUP	<0.01	0.21	181.89	1.28	56.6	102	60.4	24.4	553	3.33	1.0	0.3	6.3	1.1	177.6	0.01	0.10	<0.02	111	1.31
S192446	Drill Core	5.03	0.72	159.22	1.27	54.5	87	62.1	24.7	533	3.22	0.5	0.3	2.6	1.1	141.4	<0.01	0.06	<0.02	105	1.26
S192447	Drill Core	4.83	0.62	172.88	1.43	54.3	106	59.7	23.9	543	3.38	0.6	0.3	4.8	1.1	142.9	0.02	0.04	<0.02	116	1.77
S192448	Drill Core	2.07	1.05	171.27	2.28	65.2	142	75.0	29.6	784	4.14	0.4	0.4	3.3	1.2	170.8	0.04	0.06	<0.02	145	3.00
S192449	Drill Core	4.53	0.32	184.01	1.75	55.0	92	61.6	25.8	522	3.37	0.6	0.4	2.9	1.3	165.2	0.01	0.06	<0.02	115	1.67
S192450	Rock	0.70	0.07	0.43	0.12	0.4	<2	1.0	0.9	15	0.02	<0.1	1.3	0.3	<0.1	3573.8	<0.01	<0.02	<0.02	<2	33.26
S192451	Drill Core	4.39	1.21	185.26	1.70	56.7	102	63.3	25.8	570	3.57	0.7	0.4	2.5	1.4	173.3	0.02	0.09	<0.02	120	1.70
S192452	Drill Core	4.54	0.67	182.12	1.95	59.5	116	65.0	25.9	627	3.48	0.8	0.4	2.4	1.3	176.8	0.02	0.06	<0.02	115	1.53
S192453	Drill Core	4.74	0.49	150.52	1.63	58.3	83	62.1	24.5	597	3.46	0.8	0.3	2.8	1.2	123.1	<0.01	0.06	<0.02	112	1.00
S192454	Drill Core	4.63	0.30	166.42	1.36	60.4	93	62.8	25.8	678	3.80	0.6	0.4	2.1	1.3	122.8	0.01	0.04	<0.02	128	1.12
S192455	Drill Core	5.19	0.26	173.19	1.61	60.8	97	62.3	25.2	617	3.62	0.9	0.4	2.3	1.3	140.4	0.01	0.05	<0.02	119	1.11
S192456	Drill Core	5.06	0.19	173.83	1.33	58.4	98	63.3	25.4	616	3.44	0.9	0.3	1.7	1.2	134.0	<0.01	0.04	<0.02	115	1.01
S192457	Drill Core	4.33	0.41	188.92	1.84	54.6	134	59.1	24.3	545	3.26	0.7	0.3	4.1	1.2	149.3	0.01	0.06	<0.02	108	1.38
S192458	Drill Core	2.43	1.85	161.53	1.86	61.5	113	65.9	28.7	708	3.83	1.2	0.4	3.5	1.5	193.7	0.03	0.15	<0.02	133	2.76
S192459	Drill Core	4.81	0.14	162.88	1.65	55.0	117	61.3	25.1	572	3.27	0.8	0.3	2.5	1.0	145.7	0.01	0.08	<0.02	109	1.20
S192460	Drill Core	5.13	0.17	189.98	1.49	52.7	107	61.2	23.1	518	3.09	0.6	0.3	1.3	1.0	128.6	0.01	0.05	<0.02	101	0.91
S192461	Drill Core	4.65	0.17	181.98	1.57	56.8	100	62.9	25.0	505	3.18	0.8	0.3	1.9	1.2	144.4	0.01	0.07	<0.02	102	1.01

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Project: TRX15-01
Report Date: December 04, 2015

CERTIFICATE OF ANALYSIS SMI15000105.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192432	Drill Core	0.243	7.5	145.8	2.72	154.3	0.205	2	2.46	0.042	2.02	0.1	3.0	0.07	<0.02	6	<0.1	<0.02	6.9	2.83	0.1
S192433	Drill Core	0.232	8.0	138.4	2.40	110.5	0.203	2	2.20	0.044	1.86	0.1	2.6	0.08	<0.02	<5	<0.1	<0.02	6.4	2.87	0.2
S192434	Drill Core	0.131	3.1	63.3	1.59	140.5	0.193	3	1.44	0.155	0.49	0.1	7.5	<0.02	<0.02	<5	0.2	0.03	4.5	0.66	0.1
S192435	Drill Core	0.121	2.6	68.3	1.71	183.7	0.201	3	1.55	0.128	0.69	0.2	7.0	0.03	0.04	<5	0.1	<0.02	5.0	0.95	0.1
S192436	Drill Core	0.236	7.5	136.8	2.31	172.9	0.194	2	2.27	0.054	2.12	0.1	2.5	0.10	<0.02	<5	<0.1	0.03	7.0	3.63	0.2
S192437	Drill Core	0.212	7.3	142.1	2.26	91.9	0.162	2	2.24	0.047	2.17	0.1	1.9	0.10	<0.02	<5	<0.1	0.02	6.3	3.93	0.1
S192438	Drill Core	0.235	7.1	139.2	2.19	75.0	0.171	3	2.09	0.049	1.92	0.1	2.2	0.09	<0.02	<5	<0.1	<0.02	5.9	3.47	0.1
S192439	Drill Core	0.229	7.8	142.9	2.42	71.7	0.161	3	2.23	0.050	2.05	0.1	3.0	0.07	<0.02	<5	<0.1	<0.02	6.1	4.14	0.1
S192440	Rock Pulp	0.074	4.6	21.9	0.59	64.2	0.041	4	1.68	0.051	0.30	1.3	2.5	0.28	2.16	59	3.5	0.63	4.8	3.98	<0.1
S192441	Drill Core	0.230	7.4	136.6	2.26	77.1	0.167	3	2.18	0.051	2.03	0.1	2.6	0.06	<0.02	<5	<0.1	0.03	6.1	4.09	0.1
S192442	Drill Core	0.233	8.2	151.3	2.59	69.0	0.174	2	2.26	0.048	1.73	0.2	4.2	0.06	<0.02	<5	<0.1	0.04	6.9	3.74	0.2
S192443	Drill Core	0.232	7.2	140.7	2.40	66.5	0.156	1	2.21	0.046	2.09	0.1	3.1	0.06	<0.02	<5	<0.1	0.03	6.0	4.42	0.1
S192444	Drill Core	0.220	7.1	141.8	2.26	69.2	0.159	1	2.07	0.051	2.00	0.1	2.4	0.06	<0.02	<5	<0.1	<0.02	6.2	4.86	0.1
S192445 Dup of S192444	Core DUP	0.223	7.0	143.3	2.28	71.9	0.172	2	2.16	0.055	2.03	0.1	2.7	0.06	<0.02	<5	<0.1	0.03	6.1	4.86	0.1
S192446	Drill Core	0.232	7.3	134.0	2.29	87.7	0.167	3	2.09	0.048	2.06	0.1	2.2	0.07	<0.02	<5	<0.1	0.03	5.7	4.65	<0.1
S192447	Drill Core	0.226	7.3	137.0	2.34	110.6	0.183	1	2.20	0.048	2.11	0.1	2.2	0.07	<0.02	<5	<0.1	0.02	6.4	4.11	0.1
S192448	Drill Core	0.226	7.8	171.9	2.94	171.9	0.222	<1	2.66	0.050	2.38	0.2	4.2	0.10	0.02	<5	<0.1	0.02	8.3	6.37	0.2
S192449	Drill Core	0.236	7.7	148.5	2.17	93.1	0.186	2	2.07	0.054	1.99	0.2	2.4	0.08	<0.02	<5	<0.1	<0.02	6.2	5.08	0.1
S192450	Rock	0.004	<0.5	0.9	1.34	7.2	0.001	<1	0.02	0.002	<0.01	<0.1	0.5	<0.02	<0.02	<5	<0.1	0.64	<0.1	<0.02	<0.1
S192451	Drill Core	0.228	7.8	154.3	2.28	78.7	0.186	2	2.16	0.060	1.90	0.2	2.6	0.07	<0.02	<5	<0.1	<0.02	6.3	5.88	0.1
S192452	Drill Core	0.226	8.0	153.5	2.22	79.1	0.173	2	2.19	0.056	2.05	0.2	2.6	0.07	<0.02	<5	<0.1	0.02	6.4	6.69	0.2
S192453	Drill Core	0.236	7.8	151.9	2.44	90.5	0.165	<1	2.27	0.042	2.13	<0.1	2.1	0.06	<0.02	<5	<0.1	0.03	5.8	6.32	0.1
S192454	Drill Core	0.227	7.2	156.6	2.37	63.4	0.168	1	2.27	0.054	2.22	0.1	2.2	0.06	<0.02	<5	<0.1	0.02	6.4	7.47	0.1
S192455	Drill Core	0.221	7.7	158.6	2.32	69.3	0.181	2	2.23	0.055	2.14	0.1	2.4	0.06	<0.02	<5	<0.1	<0.02	6.5	7.67	0.1
S192456	Drill Core	0.235	7.3	156.5	2.24	71.5	0.167	1	2.14	0.050	2.08	0.1	2.0	0.06	<0.02	<5	<0.1	<0.02	5.8	6.28	<0.1
S192457	Drill Core	0.244	7.8	143.5	2.25	99.1	0.179	3	2.19	0.050	2.01	0.1	2.4	0.07	<0.02	<5	<0.1	0.04	5.8	4.64	0.1
S192458	Drill Core	0.223	8.1	162.9	2.64	98.1	0.186	2	2.29	0.049	1.99	0.1	4.1	0.08	<0.02	8	<0.1	0.05	8.0	4.61	0.2
S192459	Drill Core	0.218	7.5	148.7	2.27	73.3	0.164	2	2.13	0.048	2.09	0.1	2.6	0.07	<0.02	<5	<0.1	<0.02	5.7	5.19	0.1
S192460	Drill Core	0.211	7.3	134.7	2.29	79.4	0.132	2	2.12	0.043	2.10	<0.1	1.9	0.05	<0.02	<5	<0.1	0.02	5.1	4.69	<0.1
S192461	Drill Core	0.236	7.6	143.8	2.31	86.0	0.173	3	2.19	0.044	2.10	0.1	2.2	0.05	<0.02	<5	<0.1	<0.02	6.0	4.60	0.1

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Project: TRX15-01
Report Date: December 04, 2015

CERTIFICATE OF ANALYSIS SMI15000105.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192432	Drill Core	0.09	0.05	69.4	0.2	<0.05	2.6	4.81	13.6	<0.02	<1	0.4	25.5	<10	4
S192433	Drill Core	0.09	0.05	74.9	0.1	<0.05	2.4	5.17	14.3	<0.02	<1	0.5	24.8	<10	4
S192434	Drill Core	0.19	0.06	12.4	0.2	<0.05	5.5	5.09	6.7	<0.02	<1	<0.1	11.0	13	7
S192435	Drill Core	0.16	0.06	18.5	0.2	<0.05	4.6	5.07	5.5	<0.02	<1	0.1	14.4	<10	8
S192436	Drill Core	0.09	0.05	78.5	0.1	<0.05	1.6	4.77	13.3	<0.02	<1	0.3	29.9	<10	4
S192437	Drill Core	0.03	0.03	85.1	0.1	<0.05	1.0	4.31	13.5	<0.02	<1	0.2	28.7	<10	3
S192438	Drill Core	0.06	0.04	83.7	0.1	<0.05	1.9	4.57	13.2	<0.02	<1	0.2	27.0	<10	4
S192439	Drill Core	0.04	0.03	87.3	0.1	<0.05	1.6	4.66	13.7	<0.02	<1	0.3	28.6	<10	4
S192440	Rock Pulp	0.03	0.18	15.1	0.6	<0.05	0.9	4.60	8.7	0.13	279	0.2	17.2	<10	<2
S192441	Drill Core	0.06	0.04	81.6	<0.1	<0.05	1.8	4.45	13.5	<0.02	<1	0.4	26.3	<10	3
S192442	Drill Core	0.09	0.05	76.2	0.2	<0.05	2.6	5.22	14.7	<0.02	<1	0.3	25.2	<10	3
S192443	Drill Core	0.04	0.04	83.2	<0.1	<0.05	1.6	4.36	13.3	<0.02	<1	0.2	22.7	<10	3
S192444	Drill Core	0.06	0.04	85.0	0.1	<0.05	1.7	4.14	12.3	<0.02	<1	0.3	25.0	<10	3
S192445 Dup of S192444	Core DUP	0.06	0.04	86.3	0.1	<0.05	2.1	4.45	12.7	<0.02	<1	0.4	25.1	<10	4
S192446	Drill Core	0.04	0.05	83.9	<0.1	<0.05	1.2	4.42	13.1	<0.02	<1	0.3	29.0	<10	<2
S192447	Drill Core	0.04	0.04	78.5	0.2	<0.05	1.1	4.51	13.5	<0.02	<1	0.3	28.2	<10	3
S192448	Drill Core	0.04	0.08	84.6	0.2	<0.05	1.4	5.18	14.6	<0.02	<1	0.2	27.9	<10	4
S192449	Drill Core	0.06	0.05	75.8	0.2	<0.05	2.1	4.85	13.9	<0.02	<1	0.1	25.3	<10	3
S192450	Rock	<0.02	0.05	0.2	<0.1	<0.05	<0.1	0.27	0.2	<0.02	<1	<0.1	0.2	<10	<2
S192451	Drill Core	0.10	0.05	78.0	0.2	<0.05	2.6	4.92	13.5	<0.02	<1	0.2	32.1	<10	4
S192452	Drill Core	0.08	0.06	86.5	0.2	<0.05	2.4	4.79	14.2	<0.02	<1	0.3	28.5	<10	4
S192453	Drill Core	0.06	0.05	79.7	0.1	<0.05	1.7	4.38	13.8	<0.02	<1	0.3	29.8	<10	5
S192454	Drill Core	0.07	0.06	88.0	0.1	<0.05	2.3	4.61	13.1	<0.02	<1	0.3	27.9	<10	4
S192455	Drill Core	0.09	0.06	91.9	0.1	<0.05	2.5	4.59	13.9	<0.02	<1	0.3	29.3	<10	4
S192456	Drill Core	0.08	0.05	85.8	0.1	<0.05	2.0	4.53	12.8	<0.02	<1	0.2	29.6	<10	3
S192457	Drill Core	0.06	0.05	74.2	0.1	<0.05	1.8	4.66	13.4	<0.02	<1	0.3	27.9	<10	3
S192458	Drill Core	0.06	0.05	71.5	0.2	<0.05	1.5	5.11	14.3	<0.02	<1	0.6	29.9	<10	3
S192459	Drill Core	0.06	0.05	79.8	0.1	<0.05	1.8	4.45	12.9	<0.02	<1	0.3	29.2	<10	4
S192460	Drill Core	0.03	0.03	76.6	<0.1	<0.05	0.8	4.00	12.4	<0.02	<1	0.3	29.0	11	3
S192461	Drill Core	0.05	0.04	77.9	<0.1	<0.05	1.8	4.45	14.5	<0.02	<1	0.3	27.8	<10	5

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CERTIFICATE OF ANALYSIS SMI15000105.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192462	Drill Core	2.68	0.24	162.30	1.96	59.5	92	66.7	27.3	651	3.58	0.8	0.4	3.4	1.4	215.4	0.02	0.12	<0.02	120	2.15
S192463	Drill Core	3.72	1.44	171.23	1.92	56.9	90	62.7	26.0	647	3.41	0.5	0.4	1.3	1.2	175.6	0.02	0.06	<0.02	120	1.80
S192464	Drill Core	5.51	1.35	172.15	2.07	54.0	88	57.2	22.8	497	3.05	0.7	0.3	0.2	1.1	143.8	0.02	0.06	<0.02	98	1.30
S192465	Drill Core	2.58	1.25	179.79	2.09	52.5	82	59.6	23.6	512	3.15	0.6	0.3	0.3	1.1	143.3	0.02	0.06	<0.02	101	1.23
S192466	Drill Core	4.96	0.68	160.89	1.73	56.5	86	61.1	25.6	562	3.24	1.0	0.3	1.0	1.2	165.6	0.01	0.09	<0.02	102	1.49
S192467	Drill Core	4.57	0.87	166.29	1.66	52.8	89	58.8	24.4	499	3.20	0.9	0.3	0.8	1.0	137.8	0.01	0.06	<0.02	103	1.13
S192468	Drill Core	4.17	0.36	185.28	1.76	53.7	101	62.6	25.5	538	3.19	0.9	0.3	4.1	1.0	147.1	0.01	0.06	<0.02	106	1.42
S192469	Drill Core	3.95	0.73	159.10	2.10	57.0	105	63.4	27.5	700	3.87	0.6	0.4	2.4	1.2	238.0	0.03	0.13	<0.02	133	2.87
S192470	Drill Core	5.01	1.59	173.60	1.98	51.2	77	60.2	22.6	483	2.93	0.3	0.3	1.7	1.0	111.1	0.04	0.04	<0.02	95	1.56
S192471	Drill Core	6.13	1.12	180.23	1.81	50.2	100	61.2	23.1	458	2.91	0.5	0.3	1.7	1.1	105.6	0.02	0.04	<0.02	94	1.30
S192472	Drill Core	5.69	1.77	163.88	1.88	52.5	71	63.6	24.5	594	3.39	1.2	0.3	2.1	1.1	143.6	0.03	0.06	<0.02	117	1.99
S192473	Drill Core	3.68	1.08	195.90	1.72	46.6	103	57.8	22.1	474	2.89	0.7	0.3	1.5	1.1	113.5	0.04	0.04	<0.02	98	1.41
S192474	Drill Core	2.78	2.63	154.06	2.53	53.8	100	57.4	22.2	564	3.20	0.6	0.4	1.0	1.6	169.0	0.03	0.06	<0.02	105	2.12
S192475	Drill Core	2.36	2.16	27.96	4.02	86.7	25	4.1	13.2	851	3.25	0.6	0.6	<0.2	2.7	163.2	0.06	0.23	<0.02	47	1.44
S192476	Drill Core	2.42	3.27	22.63	4.46	87.8	42	7.2	14.7	813	3.43	5.0	0.7	1.3	2.7	107.0	0.06	0.32	<0.02	52	1.19
S192477	Drill Core	3.22	1.80	187.74	2.61	72.7	62	71.2	28.3	825	3.93	1.4	0.4	0.8	1.7	252.1	0.05	0.19	<0.02	127	2.61
S192478	Drill Core	2.48	1.50	167.85	2.54	57.2	73	62.4	24.8	753	3.72	0.7	0.4	<0.2	1.4	214.1	0.04	0.12	<0.02	133	2.96
S192479	Drill Core	3.20	2.15	101.27	2.73	46.1	89	64.5	28.7	1149	3.98	22.7	0.5	3.2	1.2	513.5	0.07	0.77	0.02	107	6.46
S192480	Rock Pulp	0.12	283.66	2536.59	80.13	464.8	2769	14.1	10.6	771	4.35	27.5	0.7	361.1	3.2	52.8	2.35	1.74	1.10	32	0.81
S192481	Drill Core	2.15	0.71	57.06	1.29	14.7	57	13.6	8.5	1587	2.71	8.4	<0.1	1.5	0.3	704.6	0.08	0.41	<0.02	23	9.65
S192482	Drill Core	2.22	0.84	20.73	2.97	29.0	65	44.9	24.2	1604	3.66	19.2	0.2	3.8	0.9	777.8	0.10	1.14	0.02	72	9.11
S192483	Drill Core	2.13	1.21	134.60	1.80	65.9	105	66.9	26.8	849	4.44	1.4	0.5	1.1	1.5	288.1	0.04	0.20	<0.02	152	2.93
S192484	Drill Core	3.22	0.54	161.69	1.94	61.4	114	68.6	26.7	898	3.90	1.2	0.5	1.9	1.5	297.0	0.03	0.27	<0.02	148	3.55
S192485 Dup of S192484	Core DUP	<0.01	0.56	160.74	1.89	61.2	114	68.1	27.4	908	3.75	1.1	0.5	3.1	1.7	296.1	0.03	0.28	<0.02	142	3.57
S192486	Drill Core	3.41	0.23	138.61	1.38	62.4	167	72.3	28.5	819	4.23	1.3	0.5	2.0	1.6	269.0	0.03	0.25	<0.02	167	3.17
S192487	Drill Core	3.53	0.33	168.96	1.29	62.6	228	72.3	28.7	916	4.27	0.9	0.5	5.6	1.6	277.1	0.02	0.21	<0.02	165	3.60
S192488	Drill Core	3.21	0.55	140.99	2.02	64.2	157	73.0	29.6	1052	4.66	1.3	0.4	5.5	1.5	272.5	0.05	0.14	<0.02	188	4.02
S192489	Drill Core	3.20	1.37	191.27	1.59	71.4	131	75.0	30.7	1063	4.85	0.7	0.5	5.4	1.6	295.2	0.06	0.12	<0.02	192	4.21
S192490	Rock	1.09	0.04	0.93	0.11	0.6	2	0.8	0.2	23	0.04	0.1	1.4	0.2	<0.1	4040.2	<0.01	<0.02	<0.02	<2	31.45
S192491	Drill Core	3.74	1.22	166.41	1.57	56.1	146	71.8	29.1	1016	4.40	6.0	0.5	2.4	1.6	361.1	0.05	0.25	<0.02	174	4.29

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Project: TRX15-01
Report Date: December 04, 2015

CERTIFICATE OF ANALYSIS SMI15000105.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192462	Drill Core	0.248	7.9	154.1	2.58	70.4	0.174	3	2.37	0.041	2.08	0.1	5.5	0.05	<0.02	<5	<0.1	0.05	6.5	5.22	0.1
S192463	Drill Core	0.218	6.8	152.7	2.40	71.5	0.166	3	2.30	0.047	2.13	0.1	4.3	0.05	<0.02	<5	<0.1	0.03	6.7	4.74	<0.1
S192464	Drill Core	0.244	6.7	135.9	2.08	75.5	0.166	2	2.07	0.043	2.00	0.1	2.3	0.05	<0.02	<5	<0.1	<0.02	5.8	4.13	<0.1
S192465	Drill Core	0.245	6.1	139.6	2.14	77.5	0.167	3	2.15	0.047	2.05	0.1	2.4	0.04	<0.02	<5	<0.1	0.02	5.5	4.21	0.1
S192466	Drill Core	0.237	7.2	154.2	2.35	62.7	0.171	2	2.17	0.049	1.74	0.1	2.9	0.04	<0.02	<5	<0.1	<0.02	6.3	3.38	0.1
S192467	Drill Core	0.222	5.0	146.6	2.20	57.3	0.153	3	2.15	0.043	2.02	0.1	2.3	0.05	<0.02	<5	<0.1	<0.02	6.0	3.92	<0.1
S192468	Drill Core	0.229	5.7	149.1	2.23	68.0	0.186	3	2.20	0.052	1.95	0.2	2.5	0.06	<0.02	<5	<0.1	0.03	6.7	3.58	0.2
S192469	Drill Core	0.236	6.5	159.8	2.81	103.9	0.219	2	2.44	0.053	2.12	0.2	4.3	0.07	<0.02	<5	<0.1	0.05	7.4	4.13	0.2
S192470	Drill Core	0.212	6.8	134.0	2.07	98.0	0.140	2	2.02	0.056	1.80	0.1	1.6	0.04	0.02	<5	<0.1	<0.02	5.1	1.94	<0.1
S192471	Drill Core	0.206	6.6	137.4	2.10	111.2	0.152	2	2.07	0.060	1.81	0.1	1.9	0.04	0.02	<5	<0.1	<0.02	5.4	1.79	<0.1
S192472	Drill Core	0.215	5.4	154.4	2.50	99.5	0.186	2	2.45	0.087	1.96	0.2	3.7	0.06	0.04	<5	<0.1	<0.02	6.6	2.31	0.1
S192473	Drill Core	0.197	4.2	147.1	2.10	129.7	0.154	2	2.11	0.081	1.76	0.2	2.0	0.06	0.02	<5	<0.1	<0.02	5.5	1.88	0.1
S192474	Drill Core	0.198	5.6	135.7	2.36	85.7	0.190	2	2.31	0.062	1.79	0.2	2.4	0.08	0.03	<5	<0.1	<0.02	6.5	1.97	<0.1
S192475	Drill Core	0.157	8.4	11.4	1.03	60.1	0.154	2	1.60	0.053	0.80	0.2	2.4	0.10	0.09	10	<0.1	<0.02	6.2	2.44	0.2
S192476	Drill Core	0.150	8.1	17.4	1.24	111.8	0.131	2	1.67	0.051	0.74	0.2	2.3	0.09	0.11	11	<0.1	<0.02	7.4	1.20	0.1
S192477	Drill Core	0.220	5.2	162.7	3.10	263.1	0.167	3	2.74	0.077	1.29	0.5	6.4	0.08	<0.02	<5	<0.1	<0.02	8.2	2.09	0.1
S192478	Drill Core	0.212	6.4	159.1	2.82	56.3	0.144	1	2.34	0.046	1.06	0.1	5.4	0.07	<0.02	<5	<0.1	<0.02	7.4	1.69	0.2
S192479	Drill Core	0.200	7.7	103.9	2.74	23.2	0.016	4	2.31	0.024	0.32	<0.1	10.7	0.03	0.30	7	<0.1	0.03	6.8	1.17	<0.1
S192480	Rock Pulp	0.070	4.0	20.4	0.59	61.5	0.035	4	1.71	0.056	0.29	1.4	2.4	0.28	2.12	46	3.7	0.81	4.6	3.64	<0.1
S192481	Drill Core	0.040	3.1	9.4	1.74	6.2	0.002	3	0.64	0.005	0.12	<0.1	2.1	<0.02	0.14	<5	<0.1	0.03	1.6	0.29	<0.1
S192482	Drill Core	0.149	7.7	71.8	2.36	14.2	0.006	6	2.26	0.014	0.30	<0.1	8.1	0.03	0.29	<5	<0.1	0.04	5.5	1.07	<0.1
S192483	Drill Core	0.201	7.8	170.9	3.65	119.1	0.148	2	3.05	0.058	1.33	0.1	8.6	0.09	<0.02	<5	<0.1	<0.02	8.6	2.33	0.2
S192484	Drill Core	0.206	8.7	162.3	2.99	83.2	0.162	3	2.58	0.068	1.24	0.2	7.0	0.09	<0.02	<5	<0.1	<0.02	7.5	2.50	0.2
S192485 Dup of S192484	Core DUP	0.206	8.6	159.5	2.96	84.2	0.156	2	2.57	0.064	1.23	0.2	7.6	0.11	<0.02	<5	<0.1	<0.02	7.7	2.57	0.2
S192486	Drill Core	0.218	8.8	175.2	3.33	93.3	0.157	2	2.80	0.050	1.19	0.1	9.0	0.08	<0.02	<5	<0.1	<0.02	8.4	2.15	0.2
S192487	Drill Core	0.223	9.6	177.4	3.40	129.1	0.173	1	2.84	0.053	1.27	0.2	9.2	0.08	<0.02	<5	<0.1	<0.02	8.5	1.98	0.2
S192488	Drill Core	0.206	7.8	195.1	3.79	368.0	0.168	2	3.59	0.038	1.74	<0.1	9.8	0.12	0.04	<5	<0.1	<0.02	9.5	2.84	0.2
S192489	Drill Core	0.219	8.0	193.0	3.92	338.9	0.180	<1	3.57	0.049	1.81	0.1	11.2	0.12	0.03	7	<0.1	<0.02	10.2	2.98	0.2
S192490	Rock	0.005	<0.5	1.5	1.57	5.9	0.001	<1	0.02	0.002	<0.01	<0.1	0.2	<0.02	0.06	<5	0.1	0.30	<0.1	<0.02	<0.1
S192491	Drill Core	0.220	8.7	171.0	3.53	83.6	0.131	2	3.03	0.051	1.02	<0.1	12.1	0.08	0.08	5	<0.1	0.03	8.5	2.09	0.2

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Project: TRX15-01
Report Date: December 04, 2015

CERTIFICATE OF ANALYSIS SMI15000105.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192462	Drill Core	0.09	0.03	82.8	0.1	<0.05	2.3	5.55	14.4	<0.02	<1	0.5	27.4	13	6
S192463	Drill Core	0.06	0.03	80.1	<0.1	<0.05	1.7	4.43	11.6	<0.02	<1	0.3	27.2	12	3
S192464	Drill Core	0.07	0.03	72.4	<0.1	<0.05	1.8	3.90	12.2	<0.02	<1	0.3	26.7	12	3
S192465	Drill Core	0.06	0.04	75.0	<0.1	<0.05	1.8	3.99	11.3	<0.02	<1	0.4	26.2	<10	4
S192466	Drill Core	0.09	0.04	66.6	0.1	<0.05	2.2	4.38	12.6	<0.02	<1	0.5	26.2	<10	3
S192467	Drill Core	0.03	0.04	78.3	<0.1	<0.05	1.2	3.47	9.3	<0.02	<1	0.2	30.5	<10	4
S192468	Drill Core	0.10	0.04	75.1	0.1	<0.05	2.4	3.70	9.7	<0.02	<1	0.2	27.0	<10	5
S192469	Drill Core	0.06	0.07	75.3	0.2	<0.05	1.6	5.07	12.1	<0.02	<1	0.2	28.8	10	4
S192470	Drill Core	0.02	0.03	48.5	0.1	<0.05	0.8	4.22	12.2	0.02	<1	0.3	25.3	<10	3
S192471	Drill Core	0.03	0.03	48.3	<0.1	<0.05	1.1	4.02	11.9	<0.02	<1	0.3	25.0	11	3
S192472	Drill Core	0.06	0.05	59.5	0.1	<0.05	1.7	3.93	9.9	<0.02	<1	0.4	27.5	<10	3
S192473	Drill Core	0.03	0.03	47.5	0.1	<0.05	1.2	3.11	7.8	<0.02	<1	0.2	25.6	<10	4
S192474	Drill Core	0.07	0.05	54.2	0.2	<0.05	1.7	3.72	10.0	<0.02	<1	0.3	25.0	<10	3
S192475	Drill Core	0.10	0.09	46.0	0.3	<0.05	2.5	9.13	16.1	<0.02	<1	0.6	14.1	<10	<2
S192476	Drill Core	0.10	0.09	39.9	0.3	<0.05	1.8	8.82	15.2	<0.02	<1	0.5	15.3	<10	<2
S192477	Drill Core	0.11	0.03	42.6	0.2	<0.05	3.1	4.85	10.0	<0.02	<1	0.5	26.3	<10	2
S192478	Drill Core	0.09	0.02	38.5	0.2	<0.05	2.3	4.66	11.7	<0.02	<1	0.4	15.4	<10	2
S192479	Drill Core	0.04	<0.02	12.8	0.1	<0.05	1.1	7.55	14.5	0.03	<1	0.6	19.9	<10	3
S192480	Rock Pulp	0.03	0.15	14.6	0.7	<0.05	0.8	4.44	8.4	0.11	269	0.3	17.0	<10	<2
S192481	Drill Core	<0.02	<0.02	5.0	<0.1	<0.05	0.3	4.75	5.8	<0.02	<1	0.3	5.6	<10	<2
S192482	Drill Core	0.03	<0.02	14.4	0.1	<0.05	0.5	7.48	14.0	<0.02	<1	1.0	24.5	<10	<2
S192483	Drill Core	0.07	0.03	48.8	0.3	<0.05	1.6	5.85	14.7	<0.02	<1	0.9	29.0	<10	4
S192484	Drill Core	0.12	0.05	49.7	0.2	<0.05	2.9	5.66	15.4	<0.02	<1	0.6	19.3	<10	5
S192485 Dup of S192484	Core DUP	0.11	0.04	48.1	0.2	<0.05	2.7	5.57	15.5	<0.02	<1	0.5	19.4	<10	4
S192486	Drill Core	0.12	0.03	43.0	0.2	<0.05	2.7	5.70	16.0	<0.02	<1	0.7	21.2	<10	3
S192487	Drill Core	0.11	0.05	43.4	0.2	<0.05	2.2	6.36	17.0	<0.02	<1	0.7	21.5	<10	3
S192488	Drill Core	0.05	0.02	55.6	0.2	<0.05	0.7	5.76	14.5	<0.02	<1	0.9	30.7	<10	3
S192489	Drill Core	0.03	0.03	57.8	0.3	<0.05	0.6	5.73	14.9	<0.02	<1	0.7	31.8	<10	4
S192490	Rock	<0.02	0.05	0.1	<0.1	<0.05	0.1	0.21	0.2	<0.02	<1	<0.1	0.2	<10	<2
S192491	Drill Core	0.08	0.03	37.4	0.2	<0.05	2.1	6.18	16.3	<0.02	<1	0.9	23.7	<10	5

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CERTIFICATE OF ANALYSIS SMI15000105.1

Method		WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192492	Drill Core	2.91	0.95	163.05	2.41	52.3	146	70.2	28.6	1084	4.48	18.6	0.5	2.7	1.4	428.6	0.05	0.67	<0.02	158	5.22
S192493	Drill Core	2.58	0.52	162.19	3.11	57.7	112	71.3	29.0	1143	4.80	3.6	0.5	0.4	1.6	386.7	0.04	0.24	<0.02	186	5.20
S192494	Drill Core	2.66	0.28	175.19	2.30	62.7	89	71.4	29.2	884	4.23	1.6	0.4	<0.2	1.4	234.8	0.04	0.13	<0.02	160	3.09
S192495	Drill Core	2.10	0.58	142.17	2.17	58.7	88	69.3	29.0	969	4.47	1.8	0.5	0.8	1.5	344.6	0.04	0.23	<0.02	169	3.75
S192496	Drill Core	3.30	0.62	163.65	1.68	59.7	91	67.7	27.4	884	4.06	1.2	0.4	2.6	1.2	297.1	0.02	0.13	<0.02	158	3.53
S192497	Drill Core	4.30	0.58	162.05	1.24	56.5	98	65.8	26.8	683	3.76	0.9	0.3	4.5	1.1	176.1	0.01	0.08	<0.02	137	1.88
S192498	Drill Core	3.96	0.55	155.66	1.41	52.1	72	62.0	23.9	575	3.30	0.7	0.3	3.4	1.1	127.7	0.01	0.08	<0.02	115	1.53
S192499	Drill Core	4.65	0.84	185.34	1.40	54.1	114	63.7	25.5	677	3.64	0.9	0.3	2.3	1.2	157.3	0.02	0.10	<0.02	128	2.06
S192500	Drill Core	5.05	2.35	188.15	2.04	66.9	115	70.6	28.0	826	4.09	0.9	0.4	9.7	1.2	185.5	0.03	0.08	<0.02	150	2.81
S192501	Drill Core	4.87	2.77	277.90	1.50	59.4	241	65.7	26.3	784	3.77	1.0	0.4	6.6	1.4	189.7	0.02	0.11	<0.02	139	2.58
S192502	Drill Core	2.06	0.24	122.28	1.14	60.5	92	68.1	27.4	900	4.24	0.9	0.4	3.1	1.4	216.5	0.02	0.09	<0.02	164	3.47
S192503	Drill Core	3.62	0.48	171.18	1.66	60.3	97	71.1	27.4	799	4.08	0.9	0.4	2.7	1.2	223.7	0.02	0.15	<0.02	151	2.74
S192504	Drill Core	0.92	1.16	162.63	2.99	62.4	139	74.7	30.5	1146	4.52	4.2	0.4	3.7	1.4	299.5	0.06	0.31	0.04	155	4.81
S192505	Drill Core	0.85	1.15	163.52	2.86	68.8	142	74.5	29.8	1094	4.70	7.4	0.5	5.9	1.6	275.3	0.06	0.41	0.10	155	4.55
S192506	Drill Core	1.53	0.40	13.68	3.82	50.7	42	9.0	5.3	832	2.46	1.7	1.2	3.8	7.9	161.0	0.07	0.44	0.10	20	2.58
S192507	Drill Core	3.15	0.24	6.56	8.77	86.1	29	6.1	4.7	947	2.68	0.6	0.8	1.1	3.9	144.7	0.04	0.23	0.07	24	1.95
S192508	Drill Core	3.00	0.16	7.13	8.31	87.5	43	6.7	4.4	989	2.70	0.8	0.8	1.1	4.7	155.8	<0.01	0.18	0.13	27	2.17
S192509	Drill Core	3.19	0.14	7.18	6.19	77.5	36	6.0	4.7	923	2.63	0.5	1.0	10.2	6.9	121.5	0.10	0.21	0.05	27	2.29
S192510	Drill Core	1.16	0.16	80.70	4.14	58.5	100	33.4	14.4	864	3.32	3.1	1.0	5.8	5.8	288.7	0.06	0.57	0.06	58	3.39
S192511	Drill Core	4.42	0.59	76.70	3.51	34.2	125	53.8	27.2	1324	3.99	25.5	0.4	5.9	1.4	757.8	0.12	0.88	0.06	57	8.54
S192512	Drill Core	2.13	0.86	5.79	5.11	17.4	45	27.1	20.2	1786	3.26	17.9	0.1	5.2	0.6	1383.3	0.13	0.50	0.04	34	14.64
S192513	Drill Core	2.00	1.19	9.41	7.61	20.0	108	32.6	24.3	1468	4.31	23.6	<0.1	8.9	0.5	1238.4	0.17	0.66	0.08	54	11.18
S192514	Drill Core	2.77	1.55	101.53	4.48	44.5	172	65.8	27.6	1144	4.70	42.5	0.5	5.1	1.5	513.1	0.10	0.56	0.05	114	6.15
S192515	Drill Core	2.00	1.07	83.91	5.28	42.7	132	67.4	32.9	1052	4.43	29.9	0.4	6.2	1.5	464.5	0.09	0.89	0.04	99	5.85
S192516	Drill Core	2.38	1.26	56.65	5.96	32.9	122	59.4	30.2	1101	3.95	36.0	0.3	6.4	1.2	563.3	0.09	0.88	0.04	78	6.21
S192517	Drill Core	2.50	0.96	110.86	5.55	38.3	221	65.2	33.0	1288	3.71	57.1	0.6	6.8	1.8	623.0	0.10	1.23	0.03	76	7.59
S192518	Drill Core	2.87	0.86	181.93	4.90	80.4	218	81.4	33.8	1104	4.82	2.8	0.4	5.4	1.7	241.9	0.09	0.15	0.07	205	4.68
S192519	Drill Core	2.73	0.66	156.19	2.02	74.5	165	85.2	33.3	1073	5.15	1.1	0.4	5.9	1.4	260.9	0.05	0.12	<0.02	207	4.20
S192520	Rock Pulp	0.12	293.80	2603.89	82.52	470.4	2850	15.5	11.8	806	4.41	28.2	0.7	356.5	3.2	56.9	2.60	1.69	1.12	32	0.85
S192521	Drill Core	4.00	0.60	160.07	2.03	67.2	105	82.8	32.9	990	4.66	0.6	0.4	4.8	1.4	272.0	0.05	0.12	0.02	176	3.37

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Project: TRX15-01
Report Date: December 04, 2015

CERTIFICATE OF ANALYSIS SMI15000105.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192492	Drill Core	0.217	8.8	158.9	3.29	31.4	0.050	4	2.96	0.025	0.46	<0.1	12.1	0.04	0.23	7	0.1	0.03	8.5	1.51	<0.1
S192493	Drill Core	0.204	9.1	180.5	3.78	112.9	0.093	2	3.29	0.038	0.76	<0.1	12.0	0.07	0.09	13	<0.1	<0.02	9.3	2.19	0.1
S192494	Drill Core	0.200	5.2	173.8	3.33	316.9	0.192	2	2.90	0.061	1.59	0.2	7.5	0.12	0.03	6	<0.1	<0.02	8.0	3.40	0.1
S192495	Drill Core	0.211	5.4	176.6	3.81	290.6	0.175	3	3.07	0.057	1.38	0.4	9.2	0.10	0.03	<5	<0.1	0.02	8.6	3.57	0.2
S192496	Drill Core	0.208	5.8	166.4	3.37	183.9	0.204	2	2.92	0.065	1.99	0.1	8.1	0.09	<0.02	<5	<0.1	<0.02	7.9	3.99	0.2
S192497	Drill Core	0.213	6.5	157.7	3.01	191.0	0.175	2	2.64	0.058	2.11	0.1	3.7	0.09	<0.02	<5	<0.1	<0.02	7.0	3.19	0.1
S192498	Drill Core	0.191	6.2	140.5	2.49	120.9	0.134	2	2.25	0.044	1.98	<0.1	2.0	0.08	<0.02	<5	<0.1	<0.02	6.3	2.52	<0.1
S192499	Drill Core	0.216	7.2	153.0	2.79	170.7	0.149	2	2.41	0.048	1.70	0.1	3.4	0.08	<0.02	<5	<0.1	<0.02	6.7	2.51	0.1
S192500	Drill Core	0.215	6.8	169.6	3.37	354.8	0.208	2	3.03	0.047	2.37	0.2	4.0	0.13	<0.02	<5	<0.1	0.02	7.3	3.90	0.1
S192501	Drill Core	0.227	8.3	170.2	2.98	190.0	0.187	2	2.64	0.062	1.66	0.2	4.2	0.10	<0.02	<5	<0.1	<0.02	7.3	2.92	0.2
S192502	Drill Core	0.216	8.7	183.0	3.41	155.6	0.179	1	2.92	0.057	1.70	<0.1	7.6	0.12	<0.02	<5	<0.1	<0.02	8.0	2.94	0.2
S192503	Drill Core	0.224	8.0	174.5	3.27	234.9	0.204	2	2.89	0.055	2.00	0.1	7.0	0.16	<0.02	<5	<0.1	<0.02	7.5	3.55	0.2
S192504	Drill Core	0.207	8.8	177.9	3.56	305.5	0.175	3	3.23	0.041	1.42	0.2	9.7	0.18	0.06	<5	<0.1	<0.02	7.6	3.24	0.1
S192505	Drill Core	0.231	8.5	180.3	3.62	311.2	0.166	4	3.37	0.034	1.48	0.2	10.1	0.23	0.08	<5	<0.1	<0.02	7.8	3.43	0.2
S192506	Drill Core	0.103	16.9	10.1	0.70	40.5	0.014	4	1.35	0.039	0.42	<0.1	2.9	0.08	0.15	7	0.3	<0.02	4.8	0.67	<0.1
S192507	Drill Core	0.090	12.9	10.5	0.72	44.0	0.060	2	1.47	0.058	0.31	<0.1	2.5	0.07	0.07	<5	<0.1	0.07	7.0	0.65	<0.1
S192508	Drill Core	0.093	13.8	10.4	0.71	45.9	0.077	3	1.55	0.068	0.36	0.1	3.1	0.10	0.07	18	<0.1	0.02	7.1	0.73	<0.1
S192509	Drill Core	0.089	14.5	11.3	0.70	33.9	0.095	4	1.47	0.066	0.28	0.3	3.1	0.07	0.10	14	0.2	0.02	6.7	0.33	<0.1
S192510	Drill Core	0.146	16.6	56.5	1.79	33.1	0.016	3	2.06	0.034	0.30	<0.1	6.1	0.06	0.15	<5	<0.1	<0.02	6.2	0.79	<0.1
S192511	Drill Core	0.223	8.2	65.2	1.83	25.2	0.004	5	2.05	0.021	0.32	<0.1	8.8	0.05	0.38	<5	0.1	0.05	3.7	0.88	<0.1
S192512	Drill Core	0.081	8.7	24.5	1.82	13.7	0.002	3	1.52	0.007	0.15	<0.1	3.9	0.02	0.36	<5	0.2	0.14	2.7	0.41	<0.1
S192513	Drill Core	0.092	7.5	42.6	2.59	10.2	0.003	4	2.49	0.006	0.12	<0.1	4.8	<0.02	0.48	14	0.1	0.15	4.9	0.34	0.1
S192514	Drill Core	0.220	8.5	132.6	3.11	20.5	0.005	3	3.00	0.016	0.21	<0.1	9.7	0.03	0.49	8	0.2	0.07	7.8	0.54	<0.1
S192515	Drill Core	0.265	8.9	122.5	2.80	25.5	0.006	5	2.81	0.018	0.31	<0.1	9.9	0.04	0.49	9	0.1	0.09	6.7	0.88	<0.1
S192516	Drill Core	0.203	7.7	88.7	2.29	18.2	0.003	4	2.30	0.016	0.26	<0.1	8.4	0.03	0.63	9	0.4	0.08	6.0	0.62	<0.1
S192517	Drill Core	0.237	10.5	90.3	1.93	74.2	0.024	5	2.22	0.019	0.54	<0.1	9.5	0.07	0.70	21	<0.1	0.08	4.7	1.69	<0.1
S192518	Drill Core	0.247	9.6	235.7	3.34	567.1	0.180	2	3.44	0.044	1.68	0.2	12.0	0.12	0.25	65	0.2	0.10	9.9	2.58	0.2
S192519	Drill Core	0.227	8.3	228.1	4.02	650.4	0.223	2	3.69	0.048	2.08	0.1	11.9	0.22	0.03	13	0.1	0.03	9.6	4.79	0.3
S192520	Rock Pulp	0.071	4.4	22.7	0.60	56.9	0.041	3	1.77	0.058	0.30	1.4	2.7	0.28	2.16	55	4.2	0.59	4.7	3.68	<0.1
S192521	Drill Core	0.223	8.9	215.6	3.97	600.0	0.243	2	3.55	0.052	2.28	0.2	6.5	0.22	<0.02	14	<0.1	<0.02	8.6	5.31	0.3

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Project: TRX15-01
Report Date: December 04, 2015

CERTIFICATE OF ANALYSIS SMI15000105.1

Method		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192492	Drill Core	0.04	<0.02	18.1	0.2	<0.05	1.1	7.30	16.6	<0.02	<1	0.9	29.5	<10	7
S192493	Drill Core	0.06	0.03	28.8	0.3	<0.05	1.5	6.98	16.8	<0.02	<1	1.1	34.6	<10	3
S192494	Drill Core	0.07	0.04	50.0	0.2	<0.05	1.9	4.52	10.1	<0.02	<1	0.6	22.6	<10	4
S192495	Drill Core	0.13	0.03	43.0	0.3	<0.05	2.9	5.23	9.9	<0.02	<1	0.6	31.5	14	3
S192496	Drill Core	0.09	0.04	61.8	0.2	<0.05	1.5	4.77	10.6	<0.02	<1	0.5	30.7	<10	3
S192497	Drill Core	0.03	0.04	59.7	0.2	<0.05	0.9	4.36	11.6	<0.02	<1	0.4	28.8	<10	4
S192498	Drill Core	<0.02	0.02	54.4	0.1	<0.05	0.5	4.01	11.1	<0.02	<1	0.4	26.7	<10	2
S192499	Drill Core	0.03	0.03	49.3	0.1	<0.05	0.7	4.44	12.8	<0.02	<1	0.3	25.3	<10	3
S192500	Drill Core	0.04	0.04	67.1	0.2	<0.05	1.0	4.54	12.4	<0.02	<1	0.4	32.6	<10	4
S192501	Drill Core	0.05	0.04	50.6	0.2	<0.05	1.5	5.10	15.1	<0.02	1	0.3	26.1	<10	3
S192502	Drill Core	0.06	0.04	50.3	0.2	<0.05	1.4	5.23	15.2	<0.02	<1	0.6	29.4	<10	3
S192503	Drill Core	0.09	0.04	60.1	0.2	<0.05	1.5	5.45	14.3	<0.02	<1	0.3	25.6	<10	4
S192504	Drill Core	0.05	0.03	50.2	0.3	<0.05	1.0	6.53	15.6	<0.02	<1	0.6	28.9	<10	4
S192505	Drill Core	0.05	0.04	55.1	0.2	<0.05	0.9	6.91	15.8	0.02	2	1.0	27.8	<10	4
S192506	Drill Core	0.05	0.06	18.5	0.3	<0.05	1.0	8.89	33.6	0.02	<1	0.7	10.5	<10	<2
S192507	Drill Core	0.07	0.20	14.7	0.4	<0.05	1.3	9.99	25.5	<0.02	<1	0.4	12.5	<10	<2
S192508	Drill Core	0.03	0.28	18.8	0.6	<0.05	2.0	10.33	27.6	<0.02	<1	0.5	14.3	<10	<2
S192509	Drill Core	0.11	0.40	13.5	0.4	<0.05	2.3	11.03	29.0	<0.02	<1	0.8	11.7	<10	<2
S192510	Drill Core	0.02	0.03	13.2	0.2	<0.05	1.1	10.43	33.1	<0.02	<1	0.5	19.5	<10	3
S192511	Drill Core	<0.02	<0.02	12.6	<0.1	<0.05	0.4	8.65	16.1	<0.02	<1	0.8	14.4	13	<2
S192512	Drill Core	<0.02	0.04	5.9	<0.1	<0.05	0.3	7.92	16.3	<0.02	1	0.4	16.2	<10	<2
S192513	Drill Core	<0.02	<0.02	5.0	<0.1	<0.05	0.8	7.41	13.5	<0.02	<1	0.6	29.9	<10	<2
S192514	Drill Core	0.02	<0.02	8.6	<0.1	<0.05	0.5	8.84	16.5	0.03	<1	0.5	33.0	11	4
S192515	Drill Core	0.02	<0.02	12.3	<0.1	<0.05	0.6	9.72	17.4	<0.02	<1	1.0	24.8	<10	4
S192516	Drill Core	<0.02	<0.02	9.8	<0.1	<0.05	0.6	8.19	14.9	<0.02	<1	0.4	20.1	<10	<2
S192517	Drill Core	0.03	<0.02	20.5	0.1	<0.05	0.6	10.47	19.2	<0.02	<1	1.3	19.0	11	5
S192518	Drill Core	0.02	0.03	46.8	0.5	<0.05	0.6	8.32	18.5	<0.02	<1	0.8	29.4	<10	3
S192519	Drill Core	0.05	0.05	76.9	0.3	<0.05	0.7	6.86	16.2	<0.02	<1	0.7	29.4	12	5
S192520	Rock Pulp	0.03	0.17	14.9	0.6	<0.05	0.8	4.63	9.3	0.10	268	0.6	17.5	<10	<2
S192521	Drill Core	0.06	0.05	76.0	0.3	<0.05	1.3	6.46	16.8	<0.02	<1	0.5	28.8	<10	8

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CERTIFICATE OF ANALYSIS SMI15000105.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192522	Drill Core	4.16	0.82	159.44	2.67	64.2	81	82.9	32.0	945	4.63	1.4	0.4	4.3	1.2	197.2	0.03	0.12	<0.02	177	3.79
S192523	Drill Core	3.72	0.79	153.09	2.37	69.4	93	82.5	33.3	1044	4.86	1.8	0.3	3.0	1.3	243.0	0.04	0.11	<0.02	185	4.31
S192524	Drill Core	4.26	0.72	175.33	2.89	64.3	87	72.6	30.2	954	4.69	2.4	0.4	2.4	1.6	252.1	0.03	0.18	<0.02	178	3.89
S192525 Dup of S192524	Core DUP	<0.01	0.74	180.91	2.86	66.9	92	71.6	30.8	978	4.72	2.6	0.4	2.5	1.7	261.7	0.04	0.18	<0.02	181	3.95
S192526	Drill Core	4.22	1.26	159.42	2.47	68.4	124	84.7	32.8	993	4.85	0.8	0.3	3.0	1.2	258.3	0.04	0.11	0.05	178	4.33
S192527	Drill Core	3.54	0.34	9.71	7.61	82.1	56	7.3	6.7	739	2.88	0.6	0.8	10.8	6.5	170.7	0.05	0.13	0.11	42	2.10
S192528	Drill Core	3.13	0.39	62.22	6.45	76.2	82	33.5	15.8	829	3.49	0.5	0.5	0.6	4.5	298.5	0.07	0.14	0.05	85	2.85

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Project: TRX15-01
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CERTIFICATE OF ANALYSIS SMI15000105.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192522	Drill Core	0.232	8.1	226.5	3.70	640.2	0.243	2	3.57	0.060	2.64	0.1	5.9	0.19	0.07	22	<0.1	<0.02	7.9	4.41	0.2
S192523	Drill Core	0.225	8.8	219.7	3.78	632.0	0.225	2	3.68	0.052	2.46	0.2	8.8	0.15	0.07	91	0.1	<0.02	9.0	3.96	0.2
S192524	Drill Core	0.223	9.7	191.3	3.70	317.3	0.211	<1	3.53	0.056	2.26	0.2	10.7	0.15	0.09	31	0.1	0.05	8.4	3.32	0.2
S192525 Dup of S192524	Core DUP	0.225	9.8	200.2	3.75	321.6	0.217	1	3.59	0.055	2.30	0.1	11.6	0.16	0.09	35	0.2	0.03	8.8	3.38	0.2
S192526	Drill Core	0.227	8.4	231.4	3.83	534.4	0.234	<1	3.72	0.058	2.28	0.2	8.6	0.21	0.05	83	0.1	0.03	8.9	3.80	0.2
S192527	Drill Core	0.109	16.2	12.6	0.87	85.5	0.116	3	1.77	0.093	0.50	0.2	3.4	0.13	0.14	<5	0.4	<0.02	7.7	0.77	<0.1
S192528	Drill Core	0.145	10.5	86.4	1.93	219.8	0.167	1	2.46	0.094	0.98	0.2	4.6	0.21	0.05	8	0.3	<0.02	8.4	1.63	0.2

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Project: TRX15-01
Report Date: December 04, 2015

CERTIFICATE OF ANALYSIS SMI15000105.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192522	Drill Core	0.05	0.06	79.6	0.2	<0.05	0.9	6.18	15.7	<0.02	<1	0.5	27.4	12	5
S192523	Drill Core	0.05	0.05	67.6	0.2	<0.05	1.0	6.70	16.2	<0.02	<1	0.7	23.7	<10	5
S192524	Drill Core	0.06	0.05	62.2	0.3	<0.05	1.4	7.28	18.7	<0.02	<1	0.9	26.6	<10	<2
S192525 Dup of S192524	Core DUP	0.08	0.05	65.2	0.3	<0.05	1.3	7.30	19.6	<0.02	<1	0.8	27.7	<10	<2
S192526	Drill Core	0.15	0.07	67.3	0.3	<0.05	1.1	6.47	15.8	<0.02	2	0.7	22.4	25	4
S192527	Drill Core	0.09	0.32	24.8	0.7	<0.05	2.1	7.45	31.4	<0.02	<1	0.3	13.0	<10	<2
S192528	Drill Core	0.08	0.12	42.2	0.6	<0.05	1.6	5.83	20.3	<0.02	<1	0.3	21.6	<10	2

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Project: TRX15-01
Report Date: December 04, 2015

QUALITY CONTROL REPORT SMI15000105.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
Pulp Duplicates																					
S192420	Drill Core	2.98	0.08	7.90	10.05	89.5	87	5.6	5.3	769	2.91	0.6	0.7	1.0	7.1	261.3	0.11	0.06	0.06	42	1.75
REP S192420	QC		0.09	7.56	9.76	88.2	79	5.3	4.9	838	2.90	0.7	0.7	1.5	6.7	267.5	0.11	0.06	0.06	41	1.74
S192455	Drill Core	5.19	0.26	173.19	1.61	60.8	97	62.3	25.2	617	3.62	0.9	0.4	2.3	1.3	140.4	0.01	0.05	<0.02	119	1.11
REP S192455	QC		0.24	173.43	1.55	63.0	93	64.5	25.7	663	3.63	0.7	0.4	2.7	1.2	133.9	<0.01	0.05	<0.02	120	1.10
S192490	Rock	1.09	0.04	0.93	0.11	0.6	2	0.8	0.2	23	0.04	0.1	1.4	0.2	<0.1	4040.2	<0.01	<0.02	<0.02	<2	31.45
REP S192490	QC		0.05	1.01	0.10	0.7	<2	<0.1	0.2	21	0.05	<0.1	1.4	0.4	<0.1	4071.7	<0.01	<0.02	<0.02	<2	31.54
S192508	Drill Core	3.00	0.16	7.13	8.31	87.5	43	6.7	4.4	989	2.70	0.8	0.8	1.1	4.7	155.8	<0.01	0.18	0.13	27	2.17
REP S192508	QC		0.14	6.68	8.36	85.7	50	6.4	4.5	977	2.69	0.7	0.9	0.6	4.6	157.5	0.04	0.17	0.13	27	2.16
S192522	Drill Core	4.16	0.82	159.44	2.67	64.2	81	82.9	32.0	945	4.63	1.4	0.4	4.3	1.2	197.2	0.03	0.12	<0.02	177	3.79
REP S192522	QC		0.79	158.10	2.67	66.5	85	81.8	31.8	956	4.64	1.7	0.4	4.2	1.2	209.5	0.03	0.12	<0.02	177	3.78
Core Reject Duplicates																					
S192409	Drill Core	3.37	6.67	22.68	9.33	97.8	109	8.0	6.4	766	2.72	1.9	0.9	2.0	8.2	341.4	0.15	0.20	0.32	36	2.45
DUP S192409	QC		7.16	23.34	9.48	102.3	113	8.1	6.4	838	2.78	1.9	1.0	1.4	9.2	366.9	0.14	0.21	0.32	37	2.50
S192443	Drill Core	4.80	0.15	161.97	1.31	55.9	96	61.0	25.0	530	3.40	0.8	0.4	5.4	1.3	133.2	0.02	0.05	<0.02	111	1.05
DUP S192443	QC		0.15	168.01	1.30	56.7	97	63.1	25.4	532	3.43	0.6	0.4	5.5	1.2	130.5	0.02	0.04	<0.02	112	1.05
S192477	Drill Core	3.22	1.80	187.74	2.61	72.7	62	71.2	28.3	825	3.93	1.4	0.4	0.8	1.7	252.1	0.05	0.19	<0.02	127	2.61
DUP S192477	QC		1.78	183.48	2.44	69.8	63	70.0	27.3	804	3.91	1.4	0.4	0.9	1.6	245.5	0.03	0.18	<0.02	125	2.59
S192511	Drill Core	4.42	0.59	76.70	3.51	34.2	125	53.8	27.2	1324	3.99	25.5	0.4	5.9	1.4	757.8	0.12	0.88	0.06	57	8.54
DUP S192511	QC		0.56	77.42	3.50	34.4	114	53.7	26.9	1323	3.95	27.9	0.4	6.0	1.4	762.8	0.10	0.86	0.05	56	8.53
Reference Materials																					
STD DS10	Standard		14.13	156.49	155.48	376.5	1926	75.5	14.3	842	2.67	47.5	2.7	62.8	7.5	66.7	2.89	9.57	12.56	41	1.04
STD DS10	Standard		15.04	156.20	144.18	367.0	1693	78.9	13.2	809	2.65	42.3	2.6	80.5	7.5	62.6	2.54	8.47	11.92	43	1.03
STD DS10	Standard		15.22	167.41	157.87	400.8	1982	77.8	13.7	848	2.75	46.9	2.7	75.9	7.9	67.2	3.02	10.12	13.11	42	1.09
STD DS10	Standard		15.89	160.97	164.18	402.6	1997	80.4	13.6	914	2.83	46.3	2.9	78.4	8.1	69.0	2.48	9.29	12.19	45	1.10
STD DS10	Standard		14.77	156.51	152.44	390.3	1937	75.5	12.2	912	2.75	45.7	2.6	79.9	7.5	64.6	2.63	9.41	12.21	44	1.07
STD DS10	Standard		15.13	161.31	163.86	401.3	1977	80.5	13.4	908	2.83	47.8	2.8	71.5	7.8	73.5	2.62	9.21	12.84	45	1.12
STD OXC129	Standard		1.25	28.18	6.61	43.3	23	78.3	21.2	403	2.90	0.5	0.6	189.9	1.8	179.3	0.04	0.04	<0.02	49	0.63
STD OXC129	Standard		1.29	28.14	6.51	41.8	16	81.2	20.7	404	3.00	0.4	0.7	172.6	1.9	182.3	0.02	0.03	<0.02	54	0.64

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QUALITY CONTROL REPORT SMI15000105.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
Pulp Duplicates																					
S192420	Drill Core	0.110	14.7	8.2	0.85	102.3	0.150	<1	2.17	0.148	0.83	0.2	2.9	0.38	0.08	<5	0.1	0.05	9.3	1.49	0.1
REP S192420	QC	0.115	13.9	7.9	0.84	95.9	0.147	<1	2.17	0.147	0.83	0.1	2.9	0.39	0.08	<5	0.2	0.04	9.1	1.43	0.1
S192455	Drill Core	0.221	7.7	158.6	2.32	69.3	0.181	2	2.23	0.055	2.14	0.1	2.4	0.06	<0.02	<5	<0.1	<0.02	6.5	7.67	0.1
REP S192455	QC	0.222	7.5	161.1	2.28	70.8	0.152	3	2.19	0.055	2.17	<0.1	2.1	0.06	<0.02	<5	<0.1	<0.02	6.4	7.87	0.1
S192490	Rock	0.005	<0.5	1.5	1.57	5.9	0.001	<1	0.02	0.002	<0.01	<0.1	0.2	<0.02	0.06	<5	0.1	0.30	<0.1	<0.02	<0.1
REP S192490	QC	0.006	<0.5	1.3	1.62	6.4	0.001	<1	0.03	0.002	<0.01	<0.1	0.3	<0.02	0.06	<5	0.1	0.40	<0.1	<0.02	<0.1
S192508	Drill Core	0.093	13.8	10.4	0.71	45.9	0.077	3	1.55	0.068	0.36	0.1	3.1	0.10	0.07	18	<0.1	0.02	7.1	0.73	<0.1
REP S192508	QC	0.088	13.9	10.4	0.71	46.0	0.079	4	1.55	0.068	0.36	<0.1	2.9	0.09	0.07	5	0.2	0.02	6.6	0.75	<0.1
S192522	Drill Core	0.232	8.1	226.5	3.70	640.2	0.243	2	3.57	0.060	2.64	0.1	5.9	0.19	0.07	22	<0.1	<0.02	7.9	4.41	0.2
REP S192522	QC	0.222	8.2	226.5	3.69	643.1	0.249	1	3.55	0.055	2.66	0.2	6.3	0.19	0.07	24	<0.1	<0.02	8.2	4.33	0.2
Core Reject Duplicates																					
S192409	Drill Core	0.104	18.0	14.9	0.93	65.6	0.060	1	1.93	0.081	0.54	0.2	2.8	0.21	0.20	11	0.3	0.05	8.7	2.26	<0.1
DUP S192409	QC	0.106	18.8	14.9	0.92	65.2	0.062	1	1.93	0.081	0.54	0.2	3.0	0.21	0.20	13	0.3	0.06	8.8	2.30	<0.1
S192443	Drill Core	0.232	7.2	140.7	2.40	66.5	0.156	1	2.21	0.046	2.09	0.1	3.1	0.06	<0.02	<5	<0.1	0.03	6.0	4.42	0.1
DUP S192443	QC	0.233	7.8	148.4	2.42	70.2	0.167	2	2.23	0.046	2.12	<0.1	3.1	0.06	<0.02	<5	<0.1	<0.02	6.3	4.59	0.1
S192477	Drill Core	0.220	5.2	162.7	3.10	263.1	0.167	3	2.74	0.077	1.29	0.5	6.4	0.08	<0.02	<5	<0.1	<0.02	8.2	2.09	0.1
DUP S192477	QC	0.214	5.4	158.0	3.04	258.6	0.159	2	2.70	0.080	1.28	0.4	6.0	0.08	<0.02	<5	<0.1	0.02	7.7	2.06	0.2
S192511	Drill Core	0.223	8.2	65.2	1.83	25.2	0.004	5	2.05	0.021	0.32	<0.1	8.8	0.05	0.38	<5	0.1	0.05	3.7	0.88	<0.1
DUP S192511	QC	0.214	8.6	63.2	1.81	25.3	0.004	4	2.01	0.021	0.31	<0.1	8.5	0.05	0.39	<5	0.4	0.05	3.8	0.89	<0.1
Reference Materials																					
STD DS10	Standard	0.077	17.7	55.5	0.76	364.1	0.084	6	1.03	0.068	0.33	3.4	2.8	5.14	0.27	290	2.3	4.71	4.6	2.82	0.1
STD DS10	Standard	0.072	17.4	53.4	0.76	327.9	0.080	6	1.04	0.070	0.33	3.0	2.7	4.76	0.27	285	2.2	4.49	4.1	2.51	<0.1
STD DS10	Standard	0.077	17.3	54.1	0.79	365.0	0.082	7	1.05	0.069	0.34	3.3	2.9	5.26	0.27	292	2.4	5.18	4.6	2.87	0.1
STD DS10	Standard	0.073	18.2	58.8	0.79	386.8	0.087	5	1.08	0.073	0.35	3.1	2.7	5.28	0.28	341	2.7	5.35	4.3	2.67	<0.1
STD DS10	Standard	0.076	17.8	56.4	0.78	363.7	0.076	7	1.06	0.071	0.33	3.2	3.0	5.25	0.28	326	2.4	4.95	4.4	2.64	<0.1
STD DS10	Standard	0.076	18.5	58.7	0.81	369.7	0.083	8	1.10	0.073	0.34	3.3	2.9	5.22	0.28	292	2.5	5.17	4.9	2.71	0.1
STD OXC129	Standard	0.106	13.8	51.1	1.48	53.1	0.386	<1	1.48	0.625	0.36	<0.1	0.7	0.03	<0.02	<5	<0.1	<0.02	5.2	0.17	<0.1
STD OXC129	Standard	0.104	11.8	52.4	1.56	46.6	0.388	<1	1.60	0.605	0.37	<0.1	0.8	0.03	<0.02	<5	<0.1	0.02	5.1	0.15	<0.1

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QUALITY CONTROL REPORT SMI15000105.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates															
S192420	Drill Core	0.10	0.33	51.1	0.5	<0.05	3.1	6.80	27.3	<0.02	<1	0.7	15.3	<10	<2
REP S192420	QC	0.11	0.28	52.9	0.4	<0.05	3.3	6.69	25.9	<0.02	<1	0.6	15.1	<10	<2
S192455	Drill Core	0.09	0.06	91.9	0.1	<0.05	2.5	4.59	13.9	<0.02	<1	0.3	29.3	<10	4
REP S192455	QC	0.05	0.06	89.2	0.1	<0.05	1.5	4.45	13.5	<0.02	<1	0.2	28.6	<10	4
S192490	Rock	<0.02	0.05	0.1	<0.1	<0.05	0.1	0.21	0.2	<0.02	<1	<0.1	0.2	<10	<2
REP S192490	QC	<0.02	0.04	0.3	<0.1	<0.05	0.1	0.23	0.2	<0.02	<1	<0.1	0.3	<10	<2
S192508	Drill Core	0.03	0.28	18.8	0.6	<0.05	2.0	10.33	27.6	<0.02	<1	0.5	14.3	<10	<2
REP S192508	QC	0.11	0.24	19.6	0.6	<0.05	1.8	10.22	28.6	<0.02	<1	0.5	14.3	<10	3
S192522	Drill Core	0.05	0.06	79.6	0.2	<0.05	0.9	6.18	15.7	<0.02	<1	0.5	27.4	12	5
REP S192522	QC	0.06	0.08	80.5	0.2	<0.05	0.9	5.96	15.5	<0.02	<1	0.4	27.4	17	6
Core Reject Duplicates															
S192409	Drill Core	0.10	0.32	35.2	0.7	<0.05	3.0	7.33	34.6	<0.02	5	0.5	15.0	<10	<2
DUP S192409	QC	0.11	0.34	36.3	0.6	<0.05	3.1	7.66	35.4	<0.02	5	1.0	17.0	<10	<2
S192443	Drill Core	0.04	0.04	83.2	<0.1	<0.05	1.6	4.36	13.3	<0.02	<1	0.2	22.7	<10	3
DUP S192443	QC	0.07	0.04	86.2	0.1	<0.05	1.8	4.60	14.0	<0.02	<1	0.4	22.4	<10	4
S192477	Drill Core	0.11	0.03	42.6	0.2	<0.05	3.1	4.85	10.0	<0.02	<1	0.5	26.3	<10	2
DUP S192477	QC	0.11	0.03	41.2	0.2	<0.05	2.7	4.74	9.8	<0.02	<1	0.7	26.5	<10	2
S192511	Drill Core	<0.02	<0.02	12.6	<0.1	<0.05	0.4	8.65	16.1	<0.02	<1	0.8	14.4	13	<2
DUP S192511	QC	<0.02	<0.02	12.1	<0.1	<0.05	0.4	8.76	16.4	0.02	<1	1.0	13.9	<10	4
Reference Materials															
STD DS10	Standard	0.05	1.72	28.8	1.6	<0.05	2.4	7.48	35.0	0.25	42	0.6	20.6	96	182
STD DS10	Standard	0.05	1.44	26.5	1.5	<0.05	2.3	7.32	33.2	0.22	51	0.6	19.7	103	161
STD DS10	Standard	0.06	1.61	30.9	1.8	<0.05	2.6	7.99	34.9	0.25	46	0.6	19.1	98	181
STD DS10	Standard	<0.02	1.58	28.1	1.7	<0.05	2.5	8.31	38.3	0.23	39	0.6	20.3	109	194
STD DS10	Standard	0.05	1.61	30.2	1.6	<0.05	2.6	8.15	36.7	0.23	49	0.8	20.3	115	187
STD DS10	Standard	0.06	1.69	30.4	1.7	<0.05	2.8	8.67	38.8	0.23	49	0.5	19.9	125	188
STD OXC129	Standard	0.21	1.29	15.4	0.7	<0.05	19.3	4.50	23.8	<0.02	<1	0.7	2.0	<10	<2
STD OXC129	Standard	0.26	1.46	14.3	0.7	<0.05	19.8	4.30	21.5	<0.02	<1	0.9	2.2	15	<2

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Client: **Equity Exploration Consultants Ltd.**
#1510 - 250 Howe St.
Vancouver BC V6C 3R8 CANADA

Project: TRX15-01
Report Date: December 04, 2015

QUALITY CONTROL REPORT SMI15000105.1

		WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
STD OXC129	Standard		1.38	30.99	6.78	49.7	21	88.0	22.0	401	2.97	0.5	0.7	192.6	2.0	176.7	0.05	0.04	<0.02	50	0.64
STD OXC129	Standard		1.33	28.47	7.07	42.7	18	86.5	21.7	454	3.14	0.6	0.8	205.1	1.9	197.2	<0.01	0.04	<0.02	57	0.69
STD OXC129	Standard		1.40	28.55	6.78	43.7	11	83.3	20.9	436	3.02	0.5	0.7	199.6	1.9	181.7	0.02	0.05	<0.02	54	0.62
STD OXC129	Standard		1.37	28.78	6.66	45.3	38	84.6	21.0	432	3.10	0.4	0.7	208.2	1.9	200.8	0.03	0.02	0.04	56	0.69
STD DS10 Expected			15.1	154.61	150.55	370	2020	74.6	12.9	875	2.7188	46.2	2.59	91.9	7.5	67.1	2.62	9	11.65	43	1.0625
STD OXC129 Expected			1.3	28	6.3	42.9	28	79.5	20.3	421	3.065	0.6	0.72	195	1.9		0.03	0.04		51	0.665
BLK	Blank		<0.01	0.08	0.01	<0.1	4	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	3	0.1	<0.1	1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	0.03	<0.01	<0.1	2	<0.1	<0.1	<1	<0.01	0.3	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	0.2	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		0.01	<0.01	0.04	0.3	<2	<0.1	<0.1	2	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	8	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
Prep Wash																					
ROCK-SMI	Prep Blank		0.71	2.69	1.57	31.7	16	0.8	3.6	435	1.67	1.1	0.4	1.3	2.4	24.0	0.03	0.06	<0.02	21	0.56
ROCK-SMI	Prep Blank		0.68	3.60	1.52	33.0	13	1.1	3.8	483	1.77	1.5	0.4	1.7	2.4	30.5	0.03	0.04	<0.02	23	0.79

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Client: **Equity Exploration Consultants Ltd.**
#1510 - 250 Howe St.
Vancouver BC V6C 3R8 CANADA

Project: TRX15-01

Report Date: December 04, 2015

QUALITY CONTROL REPORT SMI15000105.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		P	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**	**W**	**Sc**	**Tl**	**S**	**Hg**	**Se**	**Te**	**Ga**	**Cs**	**Ge**
		%	**ppm**	**ppm**	**%**	**ppm**	**%**	**ppm**	**%**	**%**	**%**	**ppm**	**ppm**	**ppm**	**%**	**ppb**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
		0.001	**0.5**	**0.5**	**0.01**	**0.5**	**0.001**	**1**	**0.01**	**0.001**	**0.01**	**0.1**	**0.1**	**0.02**	**0.02**	**5**	**0.1**	**0.02**	**0.1**	**0.02**	**0.1**
STD OXC129	Standard	0.103	13.4	53.3	1.54	52.0	0.414	<1	1.51	0.592	0.36	<0.1	0.9	0.04	<0.02	<5	<0.1	0.02	5.7	0.17	<0.1
STD OXC129	Standard	0.103	12.9	55.9	1.59	51.1	0.448	<1	1.63	0.612	0.38	<0.1	1.1	0.04	<0.02	<5	<0.1	<0.02	5.6	0.17	0.1
STD OXC129	Standard	0.102	12.4	52.1	1.56	50.9	0.387	1	1.53	0.592	0.36	<0.1	0.9	0.04	<0.02	<5	<0.1	<0.02	5.4	0.16	<0.1
STD OXC129	Standard	0.102	12.8	55.2	1.61	48.0	0.403	1	1.61	0.614	0.37	<0.1	0.9	0.03	<0.02	<5	<0.1	0.03	5.6	0.16	0.1
STD DS10 Expected		0.0765	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	3	5.1	0.29	300	2.3	5.01	4.5	2.63	0.08
STD OXC129 Expected		0.102	13	52	1.545	50	0.4	1	1.58	0.6	0.37	0.08	1.1	0.03					5.6	0.16	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
Prep Wash																					
ROCK-SMI	Prep Blank	0.045	5.1	1.6	0.45	61.4	0.060	<1	0.80	0.063	0.06	<0.1	2.4	<0.02	<0.02	<5	<0.1	<0.02	3.6	0.12	<0.1
ROCK-SMI	Prep Blank	0.043	6.2	2.0	0.46	73.2	0.073	3	0.96	0.078	0.08	0.1	2.9	<0.02	<0.02	<5	<0.1	<0.02	3.7	0.13	<0.1

Client: **Equity Exploration Consultants Ltd.**
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Project: TRX15-01
Report Date: December 04, 2015

QUALITY CONTROL REPORT SMI15000105.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
STD OXC129	Standard	0.30	2.08	16.1	0.8	<0.05	23.0	5.13	23.1	<0.02	<1	1.0	2.4	<10	<2
STD OXC129	Standard	0.27	1.58	16.0	0.8	<0.05	22.4	4.81	24.2	<0.02	<1	1.2	2.0	<10	6
STD OXC129	Standard	0.29	1.76	16.3	0.8	<0.05	21.7	4.68	23.3	<0.02	<1	0.7	2.4	<10	<2
STD OXC129	Standard	0.21	1.23	16.0	0.7	<0.05	18.6	4.91	23.7	<0.02	<1	0.8	2.2	<10	<2
STD DS10 Expected		0.06	1.62	27.7	1.6		2.7	7.77	37	0.23	50	0.63	19.4	110	191
STD OXC129 Expected		0.24	1.4		0.7		21	4.7	23.7			0.8	2.22		
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
Prep Wash															
ROCK-SMI	Prep Blank	0.09	0.18	2.0	0.3	<0.05	3.2	7.52	10.9	<0.02	<1	0.2	2.5	<10	<2
ROCK-SMI	Prep Blank	0.14	0.24	2.4	0.3	<0.05	3.7	8.03	12.3	<0.02	<1	0.1	2.6	<10	<2

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Client: **Equity Exploration Consultants Ltd.**
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Vancouver BC V6C 3R8 CANADA

Submitted By:	Thomas Branson
Receiving Lab:	Canada-Smithers
Received:	November 09, 2015
Report Date:	December 02, 2015
Page:	1 of 8

CERTIFICATE OF ANALYSIS SMI15000109.1

CLIENT JOB INFORMATION

Project:	TRX15-01
Shipment ID:	TRX15-01_3
P.O. Number	TRX15-01_3
Number of Samples:	192

SAMPLE DISPOSAL

RTRN-PLP	Return
DISP-RJT	Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	183	Crush, split and pulverize 250 g rock to 200 mesh			SMI
SLBHP	5	Sort, label and box pulps			SMI
SPTRF	4	Split samples by riffle splitter			SMI
PUL85	4	Pulverize to 85% passing 200 mesh			VAN
AQ251_EXT	192	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Equity Exploration Consultants Ltd.
#1510 - 250 Howe St.
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CC: Ron Voordouw
Michael Pond

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Geochemical Laboratory Manager

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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS SMI15000109.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192529	Drill Core	1.79	0.93	71.62	4.94	81.9	159	14.2	20.2	842	4.55	4.7	0.4	1.4	1.6	112.2	0.11	0.17	0.09	161	2.90
S192530	Rock	0.97	0.04	0.63	0.17	0.6	9	<0.1	0.1	18	0.04	0.4	1.8	0.4	<0.1	3815.9	<0.01	0.02	<0.02	<2	34.09
S192531	Drill Core	1.23	0.90	69.55	5.07	85.9	125	14.2	19.8	853	4.37	4.6	0.2	<0.2	1.4	108.0	0.14	0.14	0.11	158	3.55
S192532	Drill Core	4.74	0.75	78.82	3.64	79.6	185	27.5	21.1	845	4.62	7.3	0.3	<0.2	1.5	89.1	0.14	0.10	0.03	168	3.20
S192533	Drill Core	4.46	0.73	112.91	4.50	78.8	200	25.0	22.0	820	4.44	6.8	0.4	1.6	1.5	137.4	0.12	0.15	0.02	177	3.84
S192534	Drill Core	3.94	0.77	149.61	3.31	73.2	194	19.1	23.9	995	4.60	7.5	0.4	0.9	1.2	211.2	0.05	0.12	<0.02	194	5.25
S192535	Drill Core	1.67	0.54	137.86	5.78	65.9	177	8.5	15.0	843	3.56	2.7	0.4	<0.2	1.4	126.5	0.08	0.19	<0.02	123	5.37
S192536	Drill Core	2.46	0.66	147.05	3.42	71.5	231	16.8	21.3	938	4.30	6.0	0.4	0.6	1.0	164.2	0.08	0.30	<0.02	129	4.30
S192537	Drill Core	3.46	0.78	110.30	3.11	70.5	82	18.1	21.2	888	3.99	5.9	0.4	<0.2	1.1	215.4	0.03	0.49	<0.02	110	5.00
S192538	Drill Core	1.11	0.74	127.44	2.29	73.4	68	17.9	19.2	742	4.07	3.4	0.4	2.3	1.3	195.8	0.07	0.25	<0.02	103	2.73
S192539	Drill Core	1.51	0.88	129.35	3.18	63.1	82	16.3	18.8	893	3.78	5.8	0.5	1.8	1.2	155.9	0.04	0.43	<0.02	115	6.63
S192540	Drill Core	3.65	1.15	125.08	2.93	68.5	103	48.8	26.6	972	4.45	7.3	0.6	<0.2	1.6	263.5	0.07	0.33	<0.02	159	5.13
S192541	Drill Core	4.00	0.87	151.38	2.32	64.5	101	14.2	18.6	874	3.77	3.6	0.4	3.0	0.9	172.3	0.12	0.17	<0.02	101	4.36
S192542	Drill Core	2.91	0.26	117.14	2.54	75.7	80	15.7	20.6	809	4.45	3.2	0.3	<0.2	0.9	133.2	0.08	0.14	<0.02	106	2.29
S192543	Drill Core	2.79	0.81	140.77	2.33	75.0	87	20.4	22.4	887	4.12	5.0	0.4	<0.2	1.0	231.1	0.11	0.40	<0.02	112	4.16
S192544	Drill Core	4.82	1.35	163.37	2.30	69.9	83	36.7	23.8	724	4.21	5.4	0.3	0.9	0.9	175.0	0.08	0.22	<0.02	119	3.04
S192545	Drill Core	1.93	1.42	165.83	2.58	67.3	76	34.9	23.6	694	4.06	5.4	0.3	2.3	0.8	139.8	0.12	0.17	<0.02	115	3.15
S192546	Drill Core	5.13	0.68	132.77	2.67	60.4	92	17.8	20.5	706	4.11	4.3	0.3	<0.2	1.0	262.5	0.02	0.31	<0.02	113	2.89
S192547	Drill Core	4.61	1.32	138.44	2.27	65.4	93	51.4	29.4	929	4.56	6.8	0.4	3.1	1.0	185.2	0.07	0.38	<0.02	139	4.56
S192548	Drill Core	5.40	0.55	145.77	2.47	63.5	81	22.8	22.9	870	3.94	6.2	0.3	<0.2	1.0	149.5	0.03	0.27	<0.02	116	4.73
S192549	Drill Core	6.63	0.78	137.12	3.32	66.3	79	51.7	28.5	984	4.32	14.3	0.4	0.9	1.2	130.5	0.06	0.55	<0.02	122	5.26
S192550	Drill Core	2.61	1.36	159.96	5.24	76.2	108	37.4	24.0	883	5.03	7.5	0.4	1.7	1.3	67.2	0.09	0.57	0.02	193	3.26
S192551	Drill Core	4.29	2.28	144.84	7.16	83.7	173	65.0	27.7	702	5.34	25.3	0.6	<0.2	2.2	106.5	0.19	0.96	0.04	220	3.39
S192552	Drill Core	1.82	0.87	97.97	6.03	65.8	186	12.4	18.2	965	4.43	13.2	0.2	<0.2	1.0	203.0	0.10	0.84	<0.02	141	4.79
S192553	Drill Core	5.37	0.94	179.36	6.11	52.4	140	74.0	30.6	573	3.46	22.5	0.6	0.3	1.8	226.0	0.07	0.20	<0.02	118	4.12
S192554	Drill Core	5.06	0.65	173.16	3.53	41.9	91	60.4	22.7	605	3.00	2.3	0.5	<0.2	1.4	168.2	0.05	0.19	<0.02	104	4.27
S192555	Drill Core	2.15	1.18	133.24	4.02	52.3	86	57.8	21.5	576	2.87	2.7	0.5	1.4	1.5	186.3	0.07	0.35	<0.02	102	4.74
S192556	Drill Core	3.37	0.65	172.74	4.16	48.8	123	58.9	23.1	704	3.34	1.0	0.5	<0.2	1.3	180.1	0.03	0.15	<0.02	118	4.13
S192557	Drill Core	3.83	0.55	151.22	3.23	57.2	124	72.6	28.9	789	4.01	1.5	0.4	1.2	1.4	180.9	0.01	0.20	<0.02	140	4.12
S192558	Drill Core	3.94	0.36	171.15	3.67	70.7	322	80.9	35.6	965	4.85	1.0	0.5	1.3	1.3	207.0	0.15	0.13	0.02	181	6.01

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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS SMI15000109.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192529	Drill Core	0.168	5.1	30.6	1.68	242.5	0.269	2	3.04	0.129	1.69	0.3	11.1	0.21	0.07	25	<0.1	<0.02	12.9	1.26	0.2
S192530	Rock	0.003	<0.5	<0.5	1.16	8.3	<0.001	<1	0.02	0.003	<0.01	<0.1	0.1	<0.02	0.25	15	<0.1	0.21	<0.1	<0.02	<0.1
S192531	Drill Core	0.155	5.0	27.6	1.55	224.3	0.259	2	2.88	0.129	1.65	0.1	11.3	0.16	0.07	29	0.4	0.07	11.9	1.30	<0.1
S192532	Drill Core	0.179	5.6	62.2	1.76	300.7	0.266	1	3.21	0.126	2.02	0.2	11.6	0.18	0.05	21	<0.1	0.04	12.4	1.78	<0.1
S192533	Drill Core	0.164	4.8	50.2	1.73	395.7	0.268	<1	3.06	0.142	1.72	0.2	12.8	0.12	0.07	13	0.1	0.17	12.0	1.30	0.2
S192534	Drill Core	0.172	4.9	38.2	1.71	558.5	0.305	<1	3.25	0.133	1.96	0.2	14.4	0.20	0.10	<5	<0.1	0.04	12.5	2.91	0.2
S192535	Drill Core	0.188	5.6	10.6	1.10	96.6	0.173	2	1.98	0.075	0.36	0.3	7.1	0.04	0.08	27	0.1	0.12	9.1	0.53	<0.1
S192536	Drill Core	0.170	4.0	29.7	1.58	328.7	0.271	2	2.85	0.080	1.46	0.7	7.1	0.10	0.05	15	<0.1	0.04	8.4	2.14	0.1
S192537	Drill Core	0.168	4.3	32.1	1.45	247.7	0.246	2	2.73	0.110	1.25	0.2	6.1	0.08	0.04	11	<0.1	0.04	7.3	1.56	0.2
S192538	Drill Core	0.181	5.8	33.7	1.33	241.4	0.235	<1	2.57	0.148	1.16	0.2	6.4	0.09	0.16	11	<0.1	<0.02	7.2	1.67	0.2
S192539	Drill Core	0.169	6.0	27.7	1.31	137.9	0.197	1	2.34	0.061	0.58	0.3	6.9	0.05	0.09	11	<0.1	0.06	8.0	1.51	<0.1
S192540	Drill Core	0.199	6.6	124.5	2.02	134.7	0.180	2	2.75	0.082	0.47	0.2	10.2	0.04	0.07	6	<0.1	0.04	9.6	1.03	<0.1
S192541	Drill Core	0.177	3.7	21.9	1.27	262.0	0.205	2	2.31	0.109	0.85	0.4	5.0	0.06	0.11	<5	<0.1	<0.02	6.5	1.17	0.1
S192542	Drill Core	0.160	4.2	26.5	1.57	311.3	0.250	2	2.73	0.073	1.63	0.2	4.0	0.12	0.06	6	<0.1	0.14	7.4	1.90	<0.1
S192543	Drill Core	0.155	3.9	36.7	1.60	215.4	0.251	2	2.75	0.056	1.41	0.2	5.5	0.11	0.11	10	<0.1	<0.02	8.0	2.07	<0.1
S192544	Drill Core	0.170	3.9	75.8	1.80	399.7	0.260	1	2.74	0.089	1.60	0.2	4.8	0.10	0.14	6	<0.1	0.06	7.8	2.24	0.1
S192545	Drill Core	0.155	3.6	72.4	1.78	363.6	0.237	2	2.69	0.085	1.50	0.3	4.1	0.08	0.09	15	<0.1	0.19	8.1	2.00	0.1
S192546	Drill Core	0.181	4.5	28.5	1.51	299.6	0.231	2	2.45	0.087	0.99	0.3	5.6	0.07	0.12	28	<0.1	0.06	7.0	1.72	0.1
S192547	Drill Core	0.191	3.8	122.6	2.08	560.1	0.255	<1	3.05	0.091	1.89	0.3	6.1	0.13	0.12	13	<0.1	<0.02	7.8	2.80	<0.1
S192548	Drill Core	0.164	3.8	41.7	1.49	395.9	0.262	2	2.66	0.124	1.44	0.3	5.1	0.10	0.08	16	<0.1	<0.02	7.2	1.73	0.1
S192549	Drill Core	0.181	4.4	121.5	1.86	213.1	0.209	3	2.66	0.097	0.83	0.3	5.9	0.06	0.13	17	<0.1	<0.02	9.3	1.02	0.2
S192550	Drill Core	0.189	4.9	100.9	2.49	509.3	0.251	<1	3.27	0.094	1.74	0.3	11.2	0.11	0.24	12	0.3	<0.02	11.5	1.36	<0.1
S192551	Drill Core	0.194	8.3	191.3	2.83	664.5	0.245	<1	3.63	0.068	2.02	0.3	13.1	0.12	0.37	<5	0.4	0.11	12.1	2.26	0.2
S192552	Drill Core	0.178	5.6	22.5	1.86	76.4	0.182	1	2.97	0.079	0.95	0.7	7.6	0.18	0.21	37	<0.1	<0.02	10.6	2.20	<0.1
S192553	Drill Core	0.208	5.1	168.0	1.80	431.7	0.186	17	2.26	0.089	1.27	0.3	4.9	0.10	0.10	<5	0.3	<0.02	7.1	2.35	0.1
S192554	Drill Core	0.216	5.2	156.6	1.59	166.3	0.176	2	1.89	0.086	1.24	0.2	3.5	0.10	0.10	<5	<0.1	0.06	5.6	1.65	0.1
S192555	Drill Core	0.196	5.0	138.2	1.49	160.7	0.163	3	1.85	0.083	0.89	0.3	3.9	0.05	0.09	27	<0.1	0.03	5.7	1.04	0.2
S192556	Drill Core	0.219	5.7	165.0	1.97	167.2	0.192	3	2.18	0.084	1.48	0.2	3.7	0.11	0.05	<5	<0.1	0.14	6.5	2.49	0.1
S192557	Drill Core	0.219	5.8	181.1	2.64	264.2	0.222	2	2.76	0.066	1.99	0.4	3.9	0.16	0.11	<5	0.1	<0.02	7.6	3.26	0.1
S192558	Drill Core	0.220	4.8	194.2	2.70	878.4	0.239	<1	3.06	0.045	2.60	0.4	6.1	0.24	0.24	34	0.5	<0.02	8.6	4.54	0.2

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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS SMI15000109.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192529	Drill Core	0.08	0.21	49.2	0.6	<0.05	3.5	8.99	10.6	<0.02	<1	0.2	29.7	22	2
S192530	Rock	<0.02	0.02	<0.1	<0.1	<0.05	<0.1	0.21	0.2	<0.02	<1	0.3	0.3	<10	<2
S192531	Drill Core	0.07	0.19	47.2	0.4	<0.05	2.6	8.94	11.2	0.04	<1	0.3	26.3	16	<2
S192532	Drill Core	0.07	0.20	55.2	0.7	<0.05	2.1	9.37	12.3	<0.02	<1	0.3	27.6	18	2
S192533	Drill Core	0.04	0.25	41.4	0.5	<0.05	6.9	8.75	10.9	<0.02	<1	0.4	26.3	<10	<2
S192534	Drill Core	<0.02	0.11	53.5	0.5	<0.05	3.1	8.71	11.2	0.05	<1	0.2	28.7	<10	9
S192535	Drill Core	0.11	0.09	9.6	0.3	<0.05	3.0	8.83	13.0	0.04	<1	0.3	25.4	<10	5
S192536	Drill Core	0.16	0.09	33.8	0.4	<0.05	5.3	7.27	8.9	<0.02	<1	0.1	25.2	<10	11
S192537	Drill Core	0.23	0.13	29.0	0.3	<0.05	5.8	7.35	9.2	<0.02	<1	0.4	24.1	12	8
S192538	Drill Core	0.16	0.21	28.8	0.3	<0.05	6.2	8.24	12.9	<0.02	<1	0.5	22.8	<10	5
S192539	Drill Core	0.13	0.08	14.2	0.6	<0.05	5.9	8.40	12.9	<0.02	<1	0.4	23.5	<10	3
S192540	Drill Core	0.14	0.11	11.3	0.1	<0.05	5.4	8.82	13.8	0.04	7	0.7	33.3	10	<2
S192541	Drill Core	0.19	0.15	20.3	0.3	<0.05	4.7	6.97	8.6	<0.02	<1	0.3	21.5	<10	<2
S192542	Drill Core	0.09	0.11	47.0	0.3	<0.05	6.0	6.23	9.4	<0.02	<1	0.2	25.8	<10	<2
S192543	Drill Core	0.17	0.07	38.9	0.3	<0.05	7.2	6.92	8.4	<0.02	<1	0.3	23.5	<10	5
S192544	Drill Core	0.16	0.10	34.0	0.3	<0.05	5.0	6.37	8.5	<0.02	<1	0.1	27.5	10	7
S192545	Drill Core	0.13	0.12	30.9	0.2	<0.05	5.8	5.97	8.0	<0.02	<1	0.6	27.2	<10	<2
S192546	Drill Core	0.23	0.10	22.2	0.3	<0.05	5.9	7.53	9.3	<0.02	<1	0.2	25.1	<10	<2
S192547	Drill Core	0.15	0.07	40.7	0.2	<0.05	3.8	6.58	8.6	<0.02	<1	0.1	31.3	<10	3
S192548	Drill Core	0.14	0.16	32.0	0.3	<0.05	5.6	6.18	8.3	<0.02	<1	0.2	23.4	<10	<2
S192549	Drill Core	0.10	0.17	17.8	0.3	<0.05	3.9	6.61	9.2	<0.02	<1	0.1	29.7	17	11
S192550	Drill Core	0.07	0.13	30.6	0.5	<0.05	3.0	7.72	10.3	<0.02	6	0.3	34.2	<10	<2
S192551	Drill Core	0.11	0.07	29.6	0.5	<0.05	3.6	9.06	15.8	0.04	<1	0.5	36.5	<10	<2
S192552	Drill Core	<0.02	0.05	33.3	0.4	<0.05	1.8	7.97	11.5	0.02	<1	0.6	47.8	<10	4
S192553	Drill Core	0.11	0.04	27.1	0.2	<0.05	3.2	5.32	10.8	<0.02	<1	0.2	25.8	<10	<2
S192554	Drill Core	0.17	0.06	28.7	0.2	<0.05	3.2	3.76	10.1	<0.02	<1	0.2	24.4	<10	<2
S192555	Drill Core	0.15	0.04	17.0	0.2	<0.05	3.7	3.89	9.3	0.02	<1	0.4	19.9	<10	5
S192556	Drill Core	0.12	0.07	34.9	0.1	<0.05	2.6	3.88	9.9	<0.02	<1	0.3	25.7	15	<2
S192557	Drill Core	0.09	0.09	46.7	0.1	<0.05	2.2	4.23	10.7	<0.02	<1	<0.1	30.4	<10	3
S192558	Drill Core	0.08	0.05	57.6	0.2	<0.05	2.4	4.27	9.4	<0.02	<1	0.7	35.3	<10	7

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Project: TRX15-01
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CERTIFICATE OF ANALYSIS SMI15000109.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192559	Drill Core	4.81	0.65	176.78	3.42	56.8	201	66.2	26.2	760	3.74	0.4	0.4	0.5	1.3	170.5	0.08	0.15	<0.02	132	4.96
S192560	Rock Pulp	0.12	268.84	4915.25	4.72	54.8	751	32.6	10.8	531	3.76	5.4	0.3	396.4	1.0	42.5	<0.01	0.74	0.11	73	0.89
S192561	Drill Core	4.64	0.67	163.17	2.62	56.0	133	65.7	24.8	803	3.97	1.9	0.5	3.8	1.3	168.8	0.04	0.17	<0.02	141	4.66
S192562	Drill Core	4.39	0.77	201.38	3.62	71.6	98	70.6	30.5	633	3.65	0.5	0.5	2.3	1.6	166.3	0.11	0.18	<0.02	121	3.43
S192563	Drill Core	4.56	0.51	154.38	2.78	48.0	83	58.4	22.2	635	3.30	0.2	0.5	3.7	1.4	182.7	0.03	0.09	<0.02	113	4.20
S192564	Drill Core	6.25	0.87	162.70	3.96	47.1	90	55.5	20.5	667	3.13	0.5	0.6	3.2	1.2	251.0	0.03	0.08	<0.02	107	5.08
S192565 Dup of S192564	Core DUP	7.21	0.77	165.79	3.69	47.0	88	57.4	21.3	673	3.16	0.6	0.6	<0.2	1.3	244.7	0.05	0.07	<0.02	106	5.04
S192566	Drill Core	7.21	0.68	176.90	2.10	50.0	77	56.4	21.5	617	3.37	0.9	0.5	2.2	1.3	180.2	0.02	0.07	<0.02	126	3.12
S192567	Drill Core	5.67	1.35	156.83	2.27	49.6	92	67.3	24.5	664	3.27	0.6	0.6	<0.2	1.2	214.7	0.03	0.06	<0.02	109	5.00
S192568	Drill Core	6.02	1.05	146.66	3.80	39.8	100	59.8	20.2	628	2.54	1.2	0.6	2.8	1.1	210.5	0.06	0.14	<0.02	86	6.38
S192569	Drill Core	5.37	0.78	145.58	2.08	47.6	72	58.5	21.7	548	3.16	0.7	0.3	0.3	0.9	127.9	0.03	0.07	<0.02	109	2.00
S192570	Rock	0.77	0.05	0.32	0.10	0.1	7	1.0	<0.1	16	0.02	<0.1	1.4	0.8	<0.1	3447.7	<0.01	<0.02	<0.02	<2	31.72
S192571	Drill Core	5.02	0.63	185.03	2.20	59.6	152	66.8	26.1	764	3.96	<0.1	0.3	3.2	1.0	149.9	0.03	0.08	<0.02	145	2.95
S192572	Drill Core	4.59	0.87	172.31	3.11	66.8	181	71.5	27.2	902	4.13	1.2	0.4	3.0	1.1	180.5	0.04	0.13	<0.02	153	3.83
S192573	Drill Core	3.73	0.56	32.24	1.39	51.4	48	6.6	12.6	898	3.65	2.4	0.2	154.4	0.5	120.7	0.03	0.14	0.03	139	2.16
S192574	Drill Core	3.63	8.65	130.36	8.02	65.1	296	60.3	24.9	1406	4.15	1.3	0.3	17.8	0.8	225.7	0.09	0.04	0.19	157	8.09
S192575	Drill Core	5.01	8.56	139.24	5.92	76.7	248	70.4	28.1	1190	4.78	0.4	0.3	15.4	1.0	301.9	0.06	0.04	0.12	189	6.27
S192576	Drill Core	5.44	0.73	38.43	1.80	43.2	42	3.2	9.7	606	3.03	1.7	0.2	1.8	0.4	107.6	0.06	0.12	0.12	115	1.54
S192577	Drill Core	3.62	0.77	165.20	4.39	69.8	170	64.5	24.1	1060	4.25	0.6	0.4	8.3	1.1	237.6	0.07	0.10	0.10	166	6.03
S192578	Drill Core	5.13	2.77	151.03	3.94	53.9	172	53.5	20.6	807	3.34	1.0	0.5	1.4	1.1	240.3	0.12	0.19	0.09	116	6.40
S192579	Drill Core	4.55	0.66	11.02	10.02	81.6	42	7.6	5.8	823	3.01	0.5	0.7	<0.2	3.4	319.7	0.15	0.11	0.04	41	2.20
S192580	Drill Core	4.63	0.15	9.95	9.40	86.0	43	6.4	5.6	795	2.97	0.8	0.6	<0.2	3.2	255.8	0.17	0.11	0.02	40	2.03
S192581	Drill Core	4.91	0.36	8.90	9.80	86.7	58	8.4	6.7	826	3.09	1.1	0.7	<0.2	3.6	376.2	0.07	0.08	0.03	43	1.75
S192582	Drill Core	4.95	0.34	13.32	9.22	82.6	56	8.1	6.8	749	3.03	0.3	0.8	2.9	3.3	320.1	0.10	0.09	0.08	45	1.87
S192583	Drill Core	6.13	0.93	168.65	2.98	61.3	160	65.1	25.6	887	3.99	1.3	0.4	3.1	1.2	238.6	0.06	0.11	0.80	149	4.12
S192584	Drill Core	2.90	0.76	170.12	1.80	48.5	124	65.0	24.4	701	3.63	1.4	0.4	4.1	1.2	187.6	0.07	0.13	<0.02	137	2.86
S192585	Drill Core	2.89	0.66	167.13	1.60	50.7	110	64.2	24.3	711	3.60	1.4	0.4	6.5	1.1	187.0	0.04	0.12	<0.02	138	2.91
S192586	Drill Core	5.42	0.31	149.16	1.59	54.0	115	61.9	23.7	665	3.61	1.6	0.5	3.5	1.3	187.0	0.04	0.24	<0.02	130	2.78
S192587	Drill Core	6.36	0.36	159.06	3.06	61.4	142	75.8	30.8	1089	4.91	4.1	0.5	4.6	1.7	197.2	0.04	0.30	<0.02	204	4.50
S192588	Drill Core	6.03	3.50	133.72	5.84	58.6	210	61.4	25.5	991	4.40	3.9	0.3	2.9	1.1	346.0	0.04	0.17	<0.02	193	6.27

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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS SMI15000109.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192559	Drill Core	0.217	5.1	160.8	2.16	400.8	0.195	2	2.30	0.055	1.87	0.2	4.3	0.11	0.08	24	0.3	0.08	6.7	1.91	0.1
S192560	Rock Pulp	0.058	4.3	35.8	0.87	104.5	0.131	6	1.77	0.099	0.15	0.3	5.2	0.08	0.67	42	0.6	0.12	5.6	0.49	0.1
S192561	Drill Core	0.222	5.5	165.9	2.49	273.5	0.199	3	2.51	0.039	2.08	0.3	4.9	0.11	0.11	60	0.4	0.08	6.3	2.36	0.2
S192562	Drill Core	0.213	5.4	166.1	2.02	266.6	0.202	2	2.32	0.082	1.48	0.6	5.0	0.08	0.09	20	<0.1	<0.02	6.2	1.18	<0.1
S192563	Drill Core	0.220	5.3	141.4	1.95	142.5	0.188	2	2.06	0.065	1.62	0.2	4.0	0.09	0.03	34	<0.1	<0.02	5.5	1.06	0.1
S192564	Drill Core	0.204	4.3	143.8	1.65	170.3	0.170	2	1.91	0.069	1.45	0.3	3.4	0.08	0.03	22	<0.1	0.04	5.2	1.39	<0.1
S192565 Dup of S192564	Core DUP	0.206	4.6	143.7	1.69	188.0	0.185	<1	1.90	0.069	1.46	0.2	3.0	0.08	0.03	18	<0.1	<0.02	5.4	1.42	0.2
S192566	Drill Core	0.225	6.7	155.1	2.20	105.1	0.200	1	2.38	0.077	1.99	0.2	3.4	0.10	0.03	10	<0.1	<0.02	5.8	2.57	<0.1
S192567	Drill Core	0.191	4.5	136.3	1.91	223.5	0.177	<1	2.06	0.067	1.47	0.3	3.5	0.06	0.05	10	0.3	0.11	5.7	1.80	0.1
S192568	Drill Core	0.166	3.5	115.1	1.25	226.3	0.142	2	1.45	0.109	0.91	0.4	4.0	0.03	0.04	16	<0.1	<0.02	3.8	0.67	0.1
S192569	Drill Core	0.220	4.3	155.0	2.12	126.8	0.166	1	2.14	0.057	1.74	0.1	3.9	0.07	<0.02	34	<0.1	<0.02	5.8	1.70	0.1
S192570	Rock	0.003	<0.5	0.6	1.29	4.5	<0.001	<1	0.02	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	17	<0.1	0.02	<0.1	<0.02	<0.1
S192571	Drill Core	0.236	6.2	169.6	2.94	213.2	0.229	<1	2.90	0.038	2.68	0.1	4.1	0.13	0.03	26	<0.1	<0.02	6.9	3.00	<0.1
S192572	Drill Core	0.220	5.8	171.0	2.94	254.5	0.232	<1	2.98	0.034	2.70	0.2	4.7	0.18	0.05	18	<0.1	<0.02	7.3	3.54	0.2
S192573	Drill Core	0.138	5.1	11.7	1.37	307.8	0.170	<1	1.74	0.096	1.17	0.2	5.1	0.11	0.24	<5	<0.1	<0.02	7.1	1.43	0.1
S192574	Drill Core	0.183	3.0	171.0	2.12	551.1	0.174	<1	2.25	0.057	1.42	0.6	4.9	0.20	0.23	29	<0.1	0.04	7.5	2.80	0.2
S192575	Drill Core	0.212	3.7	190.7	2.60	1145.5	0.248	<1	3.23	0.055	2.78	0.3	5.9	0.38	0.12	7	<0.1	<0.02	9.0	5.35	0.2
S192576	Drill Core	0.134	4.5	6.1	0.94	146.5	0.147	1	1.18	0.204	0.40	0.2	5.1	0.05	0.22	11	0.1	0.04	5.3	0.59	0.2
S192577	Drill Core	0.206	4.1	184.6	2.27	632.3	0.237	<1	2.55	0.064	2.20	0.3	5.7	0.31	0.10	21	<0.1	0.12	7.6	4.31	0.1
S192578	Drill Core	0.207	3.6	153.4	1.62	218.0	0.180	1	1.85	0.076	1.26	0.6	4.3	0.17	0.10	13	<0.1	<0.02	5.3	2.07	0.3
S192579	Drill Core	0.108	11.5	12.5	0.83	194.6	0.139	<1	1.79	0.073	0.83	0.1	3.1	0.26	0.12	24	1.0	0.07	6.9	1.01	<0.1
S192580	Drill Core	0.109	11.4	10.8	0.84	215.4	0.125	<1	1.79	0.060	0.75	<0.1	3.2	0.22	0.08	38	<0.1	<0.02	6.7	0.89	0.1
S192581	Drill Core	0.107	12.7	14.3	0.91	209.7	0.145	<1	1.88	0.069	0.78	<0.1	3.2	0.23	0.07	20	<0.1	<0.02	7.5	0.92	<0.1
S192582	Drill Core	0.109	11.8	17.2	0.90	229.6	0.152	<1	1.84	0.063	0.92	0.2	3.4	0.27	0.09	6	0.7	<0.02	7.2	1.02	<0.1
S192583	Drill Core	0.217	5.5	192.5	2.73	240.2	0.207	<1	2.76	0.074	1.83	0.4	4.5	0.25	0.08	<5	<0.1	<0.02	7.1	3.69	0.2
S192584	Drill Core	0.224	5.6	175.6	2.45	88.1	0.199	<1	2.50	0.065	1.95	0.1	4.1	0.16	<0.02	9	<0.1	<0.02	6.5	3.40	0.2
S192585	Drill Core	0.221	5.7	175.1	2.41	91.9	0.195	3	2.53	0.069	2.08	0.2	3.5	0.14	<0.02	23	0.2	0.04	7.1	3.43	<0.1
S192586	Drill Core	0.228	7.8	170.7	2.41	71.1	0.177	<1	2.31	0.055	1.40	0.2	4.1	0.08	0.04	8	<0.1	0.11	7.4	2.02	0.2
S192587	Drill Core	0.223	9.5	200.0	3.55	475.7	0.199	<1	3.49	0.036	2.65	<0.1	13.0	0.16	0.07	33	<0.1	<0.02	9.8	4.16	0.2
S192588	Drill Core	0.187	4.2	180.4	2.51	821.6	0.178	<1	2.72	0.047	1.79	0.2	11.0	0.13	0.34	46	<0.1	<0.02	8.5	2.32	0.2

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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS SMI15000109.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192559	Drill Core	0.12	0.02	37.6	0.2	<0.05	2.5	3.77	9.6	<0.02	<1	0.5	31.0	<10	8
S192560	Rock Pulp	0.24	0.07	5.3	1.7	<0.05	6.0	7.55	9.1	0.06	116	0.3	12.3	<10	<2
S192561	Drill Core	0.05	0.04	46.1	0.1	<0.05	2.4	3.96	10.6	<0.02	<1	0.3	36.4	13	<2
S192562	Drill Core	0.17	0.07	29.7	0.3	<0.05	4.5	4.78	10.4	<0.02	<1	0.7	27.4	33	<2
S192563	Drill Core	0.11	0.06	34.6	0.1	<0.05	3.4	3.67	10.1	<0.02	<1	0.8	28.3	<10	3
S192564	Drill Core	0.15	0.05	35.9	<0.1	<0.05	3.6	3.39	8.7	<0.02	<1	0.5	23.0	<10	<2
S192565 Dup of S192564	Core DUP	0.11	0.05	37.1	0.2	<0.05	3.8	3.49	9.0	<0.02	<1	0.4	25.5	<10	<2
S192566	Drill Core	0.07	0.07	55.4	0.2	<0.05	3.0	4.11	12.4	<0.02	<1	0.2	30.8	13	8
S192567	Drill Core	0.08	0.04	36.8	0.1	<0.05	3.8	3.48	8.8	<0.02	<1	0.3	26.3	<10	<2
S192568	Drill Core	0.11	0.13	18.1	0.2	<0.05	4.4	2.69	6.9	<0.02	<1	0.2	15.6	<10	8
S192569	Drill Core	0.06	0.06	42.3	0.2	<0.05	2.8	3.11	7.8	<0.02	<1	0.4	27.1	<10	<2
S192570	Rock	<0.02	<0.02	<0.1	<0.1	<0.05	0.1	0.16	0.2	<0.02	<1	<0.1	0.2	<10	<2
S192571	Drill Core	0.03	0.08	65.9	0.2	<0.05	2.5	3.98	11.5	<0.02	<1	0.6	34.7	<10	<2
S192572	Drill Core	0.09	0.06	65.6	0.3	<0.05	1.7	4.16	11.3	<0.02	<1	0.6	32.9	<10	10
S192573	Drill Core	0.13	0.07	31.5	0.3	<0.05	3.6	6.29	10.0	0.03	<1	0.1	18.2	<10	7
S192574	Drill Core	0.03	0.05	42.7	0.1	<0.05	1.8	3.25	5.9	<0.02	<1	0.2	25.0	<10	<2
S192575	Drill Core	0.05	0.09	78.7	0.2	<0.05	1.1	3.40	7.2	<0.02	<1	0.2	30.8	29	<2
S192576	Drill Core	0.34	0.13	9.1	0.4	<0.05	6.9	6.31	9.8	<0.02	<1	0.2	6.7	<10	<2
S192577	Drill Core	0.10	<0.02	65.2	0.3	<0.05	2.5	3.92	8.1	<0.02	<1	0.3	23.8	28	<2
S192578	Drill Core	0.12	0.05	35.4	0.2	<0.05	9.0	3.42	7.5	0.02	10	0.5	16.4	<10	<2
S192579	Drill Core	0.12	0.25	36.5	0.5	<0.05	2.8	6.80	23.9	<0.02	<1	0.5	16.8	<10	<2
S192580	Drill Core	0.10	0.25	31.9	0.7	<0.05	1.7	7.15	24.5	0.03	<1	0.4	16.2	<10	<2
S192581	Drill Core	<0.02	0.25	35.5	0.6	<0.05	2.0	6.99	26.5	<0.02	<1	0.7	16.9	<10	<2
S192582	Drill Core	0.09	0.20	39.9	0.4	<0.05	2.7	6.63	24.7	0.03	<1	0.4	17.4	10	<2
S192583	Drill Core	0.10	0.04	55.7	0.2	<0.05	2.9	4.48	10.8	<0.02	<1	0.5	25.5	<10	3
S192584	Drill Core	0.06	0.02	58.7	0.2	<0.05	2.1	4.10	11.3	<0.02	<1	0.5	26.6	<10	<2
S192585	Drill Core	0.07	<0.02	60.8	0.2	<0.05	2.1	4.21	10.9	<0.02	<1	0.3	27.9	16	13
S192586	Drill Core	0.04	<0.02	40.5	0.3	<0.05	2.5	4.83	14.8	<0.02	<1	0.2	24.8	12	3
S192587	Drill Core	0.04	<0.02	58.9	0.3	<0.05	1.7	7.14	19.0	0.04	<1	0.3	31.2	27	<2
S192588	Drill Core	<0.02	0.05	37.5	0.1	<0.05	0.9	5.08	8.3	<0.02	<1	0.7	28.9	<10	<2

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CERTIFICATE OF ANALYSIS SMI15000109.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192589	Drill Core	3.02	1.38	154.75	3.79	63.8	157	74.1	30.3	1150	5.27	1.0	0.3	<0.2	1.1	186.9	0.11	0.13	<0.02	229	5.32
S192590	Drill Core	4.61	13.46	140.38	6.08	47.7	211	59.1	25.1	883	4.77	2.7	0.3	7.0	0.9	178.6	0.03	0.24	0.03	170	5.60
S192591	Drill Core	5.75	0.24	171.77	2.76	60.5	114	72.2	27.1	919	4.26	2.4	0.4	4.3	1.1	170.9	0.06	0.06	<0.02	160	3.74
S192592	Drill Core	6.73	0.77	146.03	3.13	55.6	90	61.6	23.4	880	4.00	0.7	0.4	1.0	1.1	174.7	0.09	0.05	<0.02	142	4.68
S192593	Drill Core	6.86	0.28	178.84	2.41	56.4	108	62.4	24.0	628	3.62	1.2	0.3	3.4	1.1	105.4	0.05	0.07	0.03	131	2.25
S192594	Drill Core	5.03	0.56	136.00	3.38	70.0	128	61.8	24.6	790	4.06	1.0	0.3	1.6	0.9	202.3	0.10	0.04	0.04	142	4.11
S192595	Drill Core	5.94	1.19	146.72	3.45	58.5	105	61.9	25.4	843	4.04	2.9	0.3	2.7	1.0	166.6	0.03	0.10	<0.02	149	5.47
S192596	Drill Core	6.13	0.55	167.51	2.59	64.6	109	63.4	25.1	903	4.08	2.0	0.2	2.1	0.9	174.0	0.04	0.05	<0.02	156	5.82
S192597	Drill Core	5.85	0.32	152.05	2.44	55.8	97	61.0	23.1	712	3.60	1.1	0.3	2.7	1.0	136.8	0.02	0.05	<0.02	122	3.91
S192598	Drill Core	2.10	0.41	125.79	2.64	53.5	89	45.9	19.1	857	3.58	1.8	0.3	3.7	0.9	250.1	0.03	0.09	<0.02	133	7.59
S192599	Drill Core	6.76	0.44	169.41	2.19	57.2	93	62.8	23.7	758	3.83	0.8	0.3	2.8	1.1	170.1	0.04	0.03	<0.02	143	4.39
S192600	Rock Pulp	0.12	285.70	2471.54	76.27	472.9	2809	14.2	10.4	766	4.16	27.8	0.6	314.6	3.1	52.6	2.40	1.54	1.06	39	0.82
S192601	Drill Core	6.22	0.76	160.74	2.63	73.1	138	69.5	28.7	939	4.54	0.9	0.3	3.7	1.0	279.3	0.07	0.03	<0.02	170	4.33
S192602	Drill Core	4.08	0.25	13.38	6.95	80.5	55	8.7	5.2	659	2.33	0.5	0.4	<0.2	1.7	165.1	0.07	0.09	0.09	32	1.32
S192603	Drill Core	3.84	0.45	167.09	2.70	56.9	137	60.6	22.8	714	3.45	0.9	0.3	16.0	1.0	200.0	0.03	0.12	0.03	108	3.74
S192604	Drill Core	4.03	0.17	18.66	7.04	82.4	80	9.6	6.3	654	2.48	1.2	0.4	0.3	1.6	271.3	0.07	0.06	0.09	40	1.38
S192605 Dup of S192604	Core DUP	<0.01	0.29	18.69	6.78	81.5	80	10.5	6.5	660	2.53	1.2	0.4	0.5	1.7	261.1	0.08	0.08	0.09	41	1.43
S192606	Drill Core	3.04	0.94	163.79	1.99	60.1	109	62.4	23.0	668	3.48	1.1	0.4	3.0	0.9	184.8	0.03	0.08	0.02	126	3.22
S192607	Drill Core	5.27	0.69	16.90	11.23	105.1	151	6.3	5.2	505	2.32	1.4	0.7	0.6	6.3	450.9	0.17	0.07	0.47	29	1.83
S192608	Drill Core	6.01	0.71	139.51	6.59	57.2	159	43.9	18.3	817	3.36	1.6	0.4	3.4	1.2	248.3	0.18	0.07	0.16	126	7.28
S192609	Drill Core	5.67	0.78	162.17	3.05	58.1	125	49.8	20.5	761	3.37	2.5	0.4	3.1	1.0	204.9	0.05	0.07	0.06	124	5.99
S192610	Rock	0.86	0.03	5.45	0.16	1.2	9	2.7	1.4	32	0.22	0.1	1.4	<0.2	<0.1	3898.6	<0.01	<0.02	<0.02	7	29.06
S192611	Drill Core	6.42	0.49	144.15	2.70	47.9	71	50.5	19.0	599	2.86	1.4	0.4	1.3	1.1	211.8	0.04	0.09	<0.02	102	5.00
S192612	Drill Core	6.67	0.60	165.90	2.67	46.2	101	51.5	19.7	622	3.08	1.4	0.4	1.4	1.0	202.2	0.03	0.06	<0.02	114	4.58
S192613	Drill Core	4.02	0.22	175.56	2.49	55.7	106	58.9	22.0	687	3.43	0.8	0.4	0.8	1.0	162.3	0.03	0.05	<0.02	124	3.74
S192614	Drill Core	3.48	0.51	127.80	3.02	49.5	74	45.0	17.5	713	2.98	1.3	0.4	1.4	1.2	278.1	0.05	0.11	0.02	105	5.76
S192615	Drill Core	6.76	1.34	158.92	2.68	55.8	102	54.5	22.3	653	3.28	0.8	0.4	1.8	1.0	165.2	0.04	0.05	0.07	113	4.23
S192616	Drill Core	6.39	0.56	146.51	3.91	59.4	109	52.6	21.1	700	3.35	1.3	0.4	1.2	1.2	231.3	0.06	0.10	0.07	121	4.68
S192617	Drill Core	3.25	0.83	102.69	3.54	46.4	104	41.8	17.2	707	2.91	1.1	0.3	2.8	0.9	255.7	0.06	0.08	0.13	114	7.08
S192618	Drill Core	6.49	0.45	135.55	2.83	50.2	99	53.7	21.0	684	3.31	1.3	0.3	1.9	0.9	206.6	0.04	0.06	0.02	121	4.36

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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS SMI15000109.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192589	Drill Core	0.213	3.4	212.3	3.25	1079.0	0.252	<1	3.43	0.061	2.33	0.2	13.1	0.13	0.15	20	0.2	<0.02	10.5	1.80	0.3
S192590	Drill Core	0.179	2.7	176.1	2.10	305.1	0.215	<1	2.39	0.055	1.66	0.4	5.6	0.09	0.92	71	0.4	<0.02	8.3	1.37	0.1
S192591	Drill Core	0.202	4.3	179.6	3.13	1138.8	0.260	<1	3.09	0.073	2.83	0.2	4.7	0.13	0.09	<5	0.1	0.12	8.0	2.23	0.2
S192592	Drill Core	0.221	4.1	163.9	2.58	814.5	0.228	<1	2.72	0.063	2.40	0.3	4.5	0.09	0.10	<5	<0.1	<0.02	7.2	1.77	0.2
S192593	Drill Core	0.231	4.7	160.6	2.73	726.2	0.226	3	2.71	0.086	2.34	0.1	4.2	0.09	0.03	7	<0.1	<0.02	7.1	1.77	0.2
S192594	Drill Core	0.221	3.6	158.7	2.89	986.7	0.231	2	3.00	0.085	2.48	0.2	4.4	0.13	0.02	11	0.2	<0.02	7.4	2.38	0.2
S192595	Drill Core	0.191	3.4	161.0	2.34	543.4	0.213	2	2.54	0.067	2.18	0.2	4.6	0.07	0.32	48	0.1	<0.02	6.8	1.88	0.1
S192596	Drill Core	0.211	3.2	172.7	2.34	820.4	0.227	2	2.61	0.059	2.34	0.2	4.0	0.09	0.17	30	0.2	<0.02	6.9	1.91	0.2
S192597	Drill Core	0.212	3.9	149.7	2.44	651.4	0.194	1	2.39	0.078	1.71	0.2	3.4	0.07	0.06	6	<0.1	<0.02	6.5	1.65	0.2
S192598	Drill Core	0.195	3.2	144.4	2.08	658.5	0.194	2	2.34	0.046	1.93	0.3	4.5	0.09	0.09	9	<0.1	0.03	6.6	1.96	0.2
S192599	Drill Core	0.216	4.7	159.7	2.52	266.6	0.218	2	2.65	0.060	2.45	0.2	4.5	0.13	<0.02	<5	0.1	<0.02	6.6	2.18	0.2
S192600	Rock Pulp	0.071	4.4	20.0	0.59	59.3	0.038	4	1.70	0.052	0.31	1.2	2.5	0.27	2.13	46	3.8	0.52	4.7	3.68	<0.1
S192601	Drill Core	0.212	5.8	175.7	3.45	538.4	0.231	1	3.51	0.037	3.30	0.2	5.1	0.29	0.04	6	0.2	<0.02	8.5	3.67	0.2
S192602	Drill Core	0.090	6.4	13.8	0.74	87.4	0.131	3	1.44	0.059	0.77	0.2	2.3	0.27	0.09	<5	0.2	<0.02	6.6	0.96	<0.1
S192603	Drill Core	0.219	5.3	167.3	2.55	103.7	0.153	3	2.29	0.077	0.59	0.3	4.3	0.08	<0.02	<5	0.2	<0.02	6.9	0.72	0.1
S192604	Drill Core	0.096	6.1	17.3	0.83	104.7	0.135	2	1.59	0.073	0.80	0.2	2.9	0.26	0.11	5	0.1	<0.02	6.5	0.89	<0.1
S192605 Dup of S192604	Core DUP	0.100	6.5	18.4	0.85	104.5	0.141	3	1.59	0.074	0.80	0.2	3.1	0.26	0.11	9	0.3	<0.02	7.1	0.93	<0.1
S192606	Drill Core	0.211	4.9	154.2	2.37	105.0	0.192	2	2.38	0.042	1.79	0.2	3.6	0.20	<0.02	<5	0.1	<0.02	6.3	2.47	0.1
S192607	Drill Core	0.086	9.5	10.3	0.69	125.1	0.117	2	1.59	0.090	0.74	0.2	1.6	0.27	0.19	17	0.3	0.06	6.1	1.06	<0.1
S192608	Drill Core	0.179	3.5	141.2	1.80	292.9	0.183	2	2.00	0.049	1.70	0.4	4.6	0.20	0.13	8	0.1	<0.02	5.4	2.63	0.1
S192609	Drill Core	0.195	3.8	151.8	1.95	415.9	0.193	2	2.12	0.100	1.75	0.3	4.4	0.12	0.09	5	<0.1	<0.02	5.8	2.05	0.1
S192610	Rock	0.006	<0.5	0.7	1.19	3.6	0.019	<1	0.07	0.005	<0.01	<0.1	0.7	<0.02	<0.02	<5	0.1	0.40	0.3	<0.02	<0.1
S192611	Drill Core	0.208	3.5	127.4	1.68	254.3	0.176	3	1.87	0.107	1.37	0.2	4.1	0.06	0.03	6	<0.1	<0.02	5.5	1.10	0.2
S192612	Drill Core	0.193	3.7	135.8	1.87	406.0	0.179	2	2.00	0.093	1.55	0.2	3.8	0.07	0.09	12	<0.1	<0.02	5.5	1.68	0.1
S192613	Drill Core	0.208	3.8	148.3	2.17	570.6	0.213	2	2.39	0.115	1.95	0.2	5.6	0.07	0.05	6	<0.1	0.03	6.0	1.75	0.2
S192614	Drill Core	0.215	3.7	132.6	1.72	284.4	0.180	4	1.95	0.119	1.36	0.3	5.7	0.07	0.03	<5	<0.1	<0.02	5.3	1.36	0.3
S192615	Drill Core	0.214	3.6	138.4	2.07	260.0	0.188	2	2.20	0.104	1.76	0.2	5.1	0.10	0.05	5	<0.1	<0.02	6.1	1.81	0.1
S192616	Drill Core	0.231	4.2	147.4	2.00	291.0	0.185	3	2.11	0.093	1.44	0.3	5.0	0.10	0.08	5	0.1	0.04	6.1	1.91	0.2
S192617	Drill Core	0.168	2.7	125.2	1.63	364.6	0.167	2	1.71	0.109	1.32	0.3	4.3	0.14	0.17	<5	<0.1	0.03	5.5	2.02	0.2
S192618	Drill Core	0.204	3.2	150.4	2.01	493.5	0.194	2	2.13	0.107	1.67	0.3	4.1	0.12	0.05	<5	<0.1	0.04	5.9	2.05	0.2

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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS SMI15000109.1

Method		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192589	Drill Core	0.13	0.09	41.6	0.3	<0.05	1.8	5.15	7.3	<0.02	<1	0.3	31.8	22	7
S192590	Drill Core	0.05	0.07	28.4	<0.1	<0.05	1.4	3.46	5.6	<0.02	1	0.3	22.3	24	5
S192591	Drill Core	0.04	0.14	47.6	0.1	<0.05	1.9	3.73	8.4	<0.02	<1	0.4	27.7	<10	<2
S192592	Drill Core	0.05	0.13	38.6	0.2	<0.05	2.5	3.86	8.1	<0.02	<1	0.6	25.8	<10	<2
S192593	Drill Core	0.06	0.12	38.7	0.2	<0.05	2.0	3.74	9.1	0.04	2	0.6	26.3	14	4
S192594	Drill Core	0.10	0.17	45.4	0.1	<0.05	1.6	3.25	6.8	<0.02	<1	0.4	26.5	<10	3
S192595	Drill Core	0.27	0.15	38.3	0.2	<0.05	1.7	3.41	6.7	<0.02	1	0.3	22.8	14	3
S192596	Drill Core	0.05	0.09	43.6	0.1	<0.05	1.4	3.07	6.1	<0.02	1	0.4	25.9	10	5
S192597	Drill Core	0.06	0.11	33.3	0.1	<0.05	2.1	3.14	7.5	<0.02	<1	0.4	21.9	11	4
S192598	Drill Core	0.05	0.04	38.7	0.2	<0.05	1.9	3.12	6.4	<0.02	<1	0.5	21.5	<10	3
S192599	Drill Core	0.06	0.15	58.2	0.2	<0.05	2.4	3.56	8.5	<0.02	<1	0.4	25.6	15	3
S192600	Rock Pulp	0.03	0.16	14.1	0.6	<0.05	0.8	4.72	8.9	0.11	252	0.6	16.7	<10	<2
S192601	Drill Core	0.04	0.05	78.8	0.2	<0.05	1.1	4.20	11.1	<0.02	<1	0.6	39.7	13	4
S192602	Drill Core	0.08	0.31	43.1	0.6	<0.05	1.3	4.72	13.0	<0.02	<1	0.3	14.8	<10	<2
S192603	Drill Core	0.13	0.12	16.3	0.2	<0.05	3.1	4.11	10.2	<0.02	<1	0.3	18.5	<10	3
S192604	Drill Core	0.09	0.28	39.4	0.5	<0.05	1.5	5.17	12.5	<0.02	1	0.3	16.5	<10	<2
S192605 Dup of S192604	Core DUP	0.07	0.28	39.9	0.5	<0.05	1.6	5.27	13.0	<0.02	<1	0.4	16.1	<10	<2
S192606	Drill Core	0.07	0.04	52.7	0.2	<0.05	2.6	3.72	9.4	<0.02	<1	0.4	24.2	<10	3
S192607	Drill Core	0.09	0.29	41.2	0.6	<0.05	2.4	3.12	18.5	<0.02	1	0.4	12.5	<10	<2
S192608	Drill Core	0.08	0.07	53.4	0.2	<0.05	2.5	3.16	6.9	<0.02	<1	0.3	20.1	<10	5
S192609	Drill Core	0.10	0.10	43.2	0.2	<0.05	3.4	3.27	7.3	<0.02	<1	0.2	18.0	11	5
S192610	Rock	0.02	0.09	<0.1	<0.1	<0.05	0.8	0.59	0.3	<0.02	<1	<0.1	0.4	<10	<2
S192611	Drill Core	0.11	0.15	31.1	0.1	<0.05	3.5	3.18	7.0	<0.02	<1	0.5	15.2	<10	4
S192612	Drill Core	0.11	0.07	31.4	0.2	<0.05	2.8	3.23	7.4	<0.02	<1	0.4	17.8	14	3
S192613	Drill Core	0.08	0.14	38.9	0.2	<0.05	2.4	3.46	7.5	<0.02	<1	0.4	19.4	20	4
S192614	Drill Core	0.14	0.16	33.2	0.1	<0.05	4.2	3.56	7.3	<0.02	<1	0.6	15.8	14	5
S192615	Drill Core	0.06	0.18	42.4	0.2	<0.05	2.8	3.24	6.8	<0.02	<1	0.5	19.7	15	3
S192616	Drill Core	0.13	0.13	36.5	0.2	<0.05	3.3	3.78	8.3	<0.02	<1	0.5	16.3	11	4
S192617	Drill Core	0.09	0.14	34.7	0.2	<0.05	4.2	3.05	5.5	<0.02	<1	0.3	12.0	<10	<2
S192618	Drill Core	0.08	0.15	38.4	0.1	<0.05	3.1	3.08	6.2	<0.02	<1	0.2	16.1	18	4

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	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192619	Drill Core	6.12	1.12	182.33	12.85	63.4	268	61.8	24.6	694	3.79	1.9	0.3	3.6	1.1	170.0	0.15	0.06	0.64	135	3.73
S192620	Drill Core	5.73	0.82	165.34	2.35	55.4	121	61.4	24.2	714	3.70	0.6	0.3	2.5	1.1	178.0	0.03	0.04	0.05	139	3.28
S192621	Drill Core	5.90	0.94	138.32	3.25	56.3	144	53.7	21.6	792	3.93	2.3	0.4	3.6	1.2	180.0	0.07	0.09	0.08	158	6.13
S192622	Drill Core	3.84	5.00	134.02	4.81	65.5	187	54.8	21.6	907	4.05	2.7	0.4	6.1	1.4	250.2	0.07	0.13	0.45	158	6.22
S192623	Drill Core	6.45	1.23	181.38	2.03	48.5	116	56.7	21.9	572	3.22	0.8	0.4	3.1	1.1	296.5	0.04	0.03	0.07	114	2.92
S192624	Drill Core	5.24	0.59	167.33	2.60	46.6	102	42.6	16.4	670	2.91	1.4	0.4	1.6	1.1	268.0	0.05	0.09	<0.02	102	6.19
S192625	Drill Core	2.40	0.46	175.86	2.52	44.8	111	40.2	16.2	676	2.85	1.2	0.4	1.8	1.1	275.1	0.05	0.08	<0.02	102	6.41
S192626	Drill Core	6.04	0.44	170.52	2.31	47.0	99	50.2	19.7	584	2.94	0.9	0.4	1.4	1.1	205.6	0.05	0.04	<0.02	106	3.90
S192627	Drill Core	3.58	1.19	167.84	3.93	68.4	153	61.6	24.6	826	3.68	1.0	0.4	3.5	1.1	489.9	0.07	0.03	0.11	143	4.18
S192628	Drill Core	4.99	2.61	81.96	2.58	67.6	97	6.9	13.5	661	3.18	0.9	0.5	2.6	1.6	464.1	0.03	0.13	0.12	68	2.26
S192629	Drill Core	5.73	3.18	85.34	2.36	68.1	91	5.5	13.5	660	3.16	1.2	0.5	2.8	1.6	618.5	0.04	0.13	0.11	68	1.93
S192630	Rock	0.74	0.07	1.03	0.14	0.4	6	0.9	0.2	23	0.04	0.3	1.5	<0.2	<0.1	3749.3	<0.01	<0.02	<0.02	<2	34.76
S192631	Drill Core	6.64	2.69	80.95	3.59	65.7	110	6.1	13.5	644	3.20	1.4	0.6	2.4	1.8	412.5	0.05	0.17	0.23	70	2.17
S192632	Drill Core	3.59	1.93	82.58	3.16	66.1	117	6.5	13.2	637	3.07	1.0	0.5	2.4	1.5	300.5	0.05	0.11	0.06	64	1.52
S192633	Drill Core	4.18	1.07	133.15	4.90	83.1	208	59.8	25.2	1104	4.61	1.8	0.4	4.4	1.2	222.3	0.10	0.06	0.67	173	7.17
S192634	Drill Core	1.41	0.19	47.08	5.18	77.0	118	20.6	10.0	679	3.00	0.8	0.8	2.6	5.8	131.0	0.10	0.11	0.24	62	3.13
S192635	Drill Core	3.16	0.43	18.84	5.46	81.2	65	6.8	4.8	732	2.69	0.9	0.9	0.3	7.4	146.1	0.06	0.09	0.22	32	2.31
S192636	Drill Core	3.05	0.07	7.08	11.47	94.5	71	5.1	4.4	965	2.87	0.9	0.8	1.2	8.1	133.7	0.08	0.10	0.14	31	2.90
S192637	Drill Core	5.91	3.02	14.08	9.01	83.8	135	6.0	4.8	782	2.53	0.5	1.1	2.5	7.1	181.0	0.17	0.11	0.50	30	2.66
S192638	Drill Core	3.14	1.26	17.68	14.43	86.1	147	5.7	5.2	915	2.66	1.6	1.0	2.9	7.6	271.2	0.15	0.20	0.53	25	3.59
S192639	Drill Core	3.77	0.07	12.89	14.59	83.4	96	5.6	4.6	995	2.84	1.2	1.2	8.2	8.2	397.3	0.16	0.18	0.16	27	3.19
S192640	Rock Pulp	0.12	239.18	4585.87	4.16	53.6	656	32.6	10.7	477	3.59	6.1	0.3	481.6	0.9	42.8	0.18	0.80	0.11	60	0.87
S192641	Drill Core	5.28	1.65	18.09	27.28	101.3	245	5.5	4.7	735	2.60	6.6	1.0	6.4	7.7	753.1	0.44	0.24	0.70	23	2.55
S192642	Drill Core	4.74	0.63	10.95	21.59	87.7	231	5.4	4.5	766	2.45	1.3	1.1	18.2	7.3	1463.3	0.18	0.15	0.29	23	2.59
S192643	Drill Core	5.25	0.25	8.56	17.51	83.8	206	5.3	4.6	534	2.39	1.1	1.5	4.0	7.6	961.6	0.08	0.13	0.49	25	2.39
S192644	Drill Core	3.47	0.30	11.43	12.17	93.3	114	5.0	4.6	539	2.58	1.2	1.3	12.8	7.5	1222.3	0.19	0.15	0.06	33	1.90
S192645 Dup of S192644	Core DUP	<0.01	0.41	11.13	11.54	88.8	106	5.2	4.5	529	2.50	1.4	1.2	5.8	6.7	1128.3	0.14	0.14	0.06	33	1.90
S192646	Drill Core	5.44	0.13	7.36	11.83	86.5	77	6.0	4.5	860	2.62	1.2	1.0	7.0	5.8	562.2	0.21	0.13	0.19	23	2.42
S192647	Drill Core	2.79	0.42	7.02	12.72	81.4	60	6.1	4.6	821	2.92	1.5	1.0	4.2	5.6	627.5	0.14	0.13	0.06	34	2.21
S192648	Drill Core	3.53	0.05	2.99	16.18	92.9	38	5.5	4.6	943	2.94	1.2	0.9	3.4	4.6	315.9	0.11	0.10	<0.02	36	2.70

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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS SMI15000109.1

Method		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
MDL		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192619	Drill Core	0.223	3.8	164.2	2.49	316.8	0.217	2	2.51	0.084	2.01	0.3	4.2	0.19	0.12	7	0.2	0.05	7.2	3.02	0.1
S192620	Drill Core	0.216	4.2	159.1	2.57	334.8	0.213	1	2.61	0.084	2.12	0.3	4.8	0.24	0.05	<5	<0.1	0.04	7.1	3.55	0.2
S192621	Drill Core	0.198	4.6	162.9	2.09	222.4	0.187	2	2.25	0.040	1.76	0.3	6.8	0.25	0.10	6	0.2	0.03	6.6	2.86	0.2
S192622	Drill Core	0.200	6.6	168.4	2.26	127.9	0.173	1	2.40	0.038	1.54	0.2	7.8	0.28	0.34	14	0.2	0.16	7.7	3.70	0.1
S192623	Drill Core	0.215	4.8	146.8	2.10	150.9	0.187	3	2.25	0.094	1.78	0.2	3.2	0.14	0.08	<5	0.2	0.09	6.5	3.11	<0.1
S192624	Drill Core	0.193	3.2	136.6	1.43	101.1	0.168	3	1.63	0.092	1.18	0.3	3.8	0.08	0.08	6	0.1	0.02	5.3	1.85	0.1
S192625	Drill Core	0.194	3.2	138.1	1.43	109.5	0.158	3	1.58	0.082	1.15	0.4	3.7	0.08	0.12	<5	<0.1	0.03	4.7	1.84	0.1
S192626	Drill Core	0.209	4.0	138.6	1.85	92.4	0.177	2	1.97	0.105	1.41	0.2	4.1	0.10	0.03	<5	<0.1	<0.02	5.7	2.31	0.1
S192627	Drill Core	0.212	4.9	154.0	2.55	164.0	0.210	1	2.68	0.076	2.24	0.2	3.7	0.28	0.15	<5	0.2	0.07	7.9	4.50	0.1
S192628	Drill Core	0.158	6.7	12.4	1.04	89.4	0.194	6	2.25	0.107	1.26	0.3	3.9	0.17	0.15	11	<0.1	0.11	6.2	1.90	0.1
S192629	Drill Core	0.157	6.5	8.2	1.00	86.0	0.199	7	2.34	0.132	1.31	0.3	3.7	0.18	0.09	20	<0.1	0.10	6.2	2.07	<0.1
S192630	Rock	0.003	<0.5	0.8	1.03	7.2	0.001	<1	0.03	0.003	<0.01	<0.1	0.2	<0.02	0.07	<5	<0.1	0.28	<0.1	<0.02	<0.1
S192631	Drill Core	0.156	7.3	8.2	0.97	75.0	0.179	4	2.28	0.121	1.16	0.4	3.8	0.19	0.11	19	<0.1	0.09	6.5	2.23	0.1
S192632	Drill Core	0.165	6.3	9.3	1.04	78.7	0.191	5	2.08	0.082	1.18	0.3	2.4	0.19	0.09	7	<0.1	0.03	6.0	2.08	<0.1
S192633	Drill Core	0.221	4.8	170.1	2.80	659.6	0.208	2	3.10	0.052	2.47	0.3	9.2	0.58	0.27	9	<0.1	0.14	9.3	6.97	0.3
S192634	Drill Core	0.111	15.5	54.9	1.22	256.4	0.108	2	2.12	0.074	1.05	0.2	4.8	0.42	0.13	10	0.1	0.03	7.3	2.97	<0.1
S192635	Drill Core	0.091	17.1	13.0	0.76	122.2	0.121	1	1.78	0.109	0.69	0.2	3.5	0.30	0.11	6	0.3	0.04	7.8	1.72	<0.1
S192636	Drill Core	0.108	16.9	8.0	0.80	106.6	0.074	1	1.99	0.087	0.66	0.1	3.9	0.27	0.10	17	<0.1	<0.02	7.9	1.48	<0.1
S192637	Drill Core	0.093	16.2	10.7	0.66	142.8	0.128	2	1.75	0.122	0.84	0.2	3.5	0.37	0.16	14	0.3	0.03	6.9	1.76	<0.1
S192638	Drill Core	0.099	19.9	8.1	0.68	48.8	0.037	3	1.64	0.083	0.31	0.2	2.3	0.10	0.21	8	0.4	0.04	6.8	0.88	<0.1
S192639	Drill Core	0.108	17.8	7.0	0.71	91.1	0.050	2	1.79	0.091	0.47	<0.1	3.0	0.15	0.16	5	0.3	0.03	6.9	0.96	<0.1
S192640	Rock Pulp	0.057	4.2	33.0	0.82	108.3	0.133	5	1.69	0.102	0.15	0.3	5.3	0.07	0.60	45	0.9	0.06	5.6	0.45	0.1
S192641	Drill Core	0.089	13.0	8.8	0.68	51.0	0.082	2	1.63	0.104	0.30	0.3	2.4	0.10	0.42	9	0.4	0.25	6.6	0.66	<0.1
S192642	Drill Core	0.088	12.2	8.2	0.65	61.8	0.082	2	1.80	0.136	0.32	0.2	2.4	0.14	0.23	12	0.2	0.22	6.3	0.94	<0.1
S192643	Drill Core	0.082	16.0	8.9	0.66	71.6	0.077	1	1.84	0.134	0.49	<0.1	2.2	0.23	0.10	9	<0.1	0.17	7.5	1.34	<0.1
S192644	Drill Core	0.081	13.9	8.9	0.71	86.1	0.132	<1	2.11	0.189	0.64	0.1	3.3	0.33	0.09	14	<0.1	0.08	9.2	1.62	<0.1
S192645 Dup of S192644	Core DUP	0.077	13.2	8.6	0.70	82.8	0.121	1	2.14	0.195	0.64	0.1	3.1	0.30	0.09	14	<0.1	0.08	9.1	1.46	<0.1
S192646	Drill Core	0.097	16.4	9.3	0.68	88.3	0.052	2	1.65	0.080	0.41	<0.1	2.4	0.16	0.13	8	0.1	<0.02	6.6	1.07	<0.1
S192647	Drill Core	0.107	16.2	8.7	0.81	82.2	0.057	2	1.98	0.087	0.38	<0.1	4.2	0.13	0.07	14	0.1	0.02	8.7	1.00	<0.1
S192648	Drill Core	0.104	14.4	9.3	0.80	78.1	0.089	2	1.97	0.091	0.43	<0.1	4.9	0.15	0.04	12	<0.1	<0.02	8.7	0.94	<0.1

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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS SMI15000109.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192619	Drill Core	0.11	0.10	51.1	0.2	<0.05	2.7	3.50	7.3	<0.02	<1	0.7	17.9	12	3
S192620	Drill Core	0.07	0.14	57.8	0.2	<0.05	1.9	3.73	8.2	<0.02	<1	0.4	17.3	11	3
S192621	Drill Core	0.09	0.04	58.4	0.2	<0.05	2.0	4.26	9.0	<0.02	1	0.5	15.5	<10	3
S192622	Drill Core	0.07	0.03	56.6	0.3	<0.05	2.1	5.50	12.8	<0.02	2	0.7	16.0	<10	4
S192623	Drill Core	0.09	0.07	48.5	0.2	<0.05	3.1	3.77	9.4	<0.02	<1	0.4	21.6	<10	4
S192624	Drill Core	0.10	0.11	33.6	0.1	<0.05	3.8	3.28	6.3	<0.02	<1	0.3	11.8	14	3
S192625	Drill Core	0.15	0.11	33.4	0.2	<0.05	3.8	3.35	6.2	<0.02	<1	0.5	12.7	<10	4
S192626	Drill Core	0.12	0.10	42.3	0.1	<0.05	3.3	3.36	7.8	<0.02	2	0.2	18.9	<10	3
S192627	Drill Core	0.08	0.07	78.3	0.2	<0.05	3.0	4.11	9.4	<0.02	1	0.5	22.1	<10	3
S192628	Drill Core	0.10	0.14	68.2	0.3	<0.05	2.8	7.11	13.0	<0.02	<1	0.5	11.9	<10	<2
S192629	Drill Core	0.08	0.14	75.3	0.3	<0.05	2.9	7.14	13.3	<0.02	<1	0.4	12.1	<10	3
S192630	Rock	<0.02	0.04	0.1	<0.1	<0.05	0.2	0.21	0.2	<0.02	<1	<0.1	0.3	<10	<2
S192631	Drill Core	0.07	0.11	69.4	0.3	<0.05	3.1	7.68	14.1	<0.02	<1	0.4	10.5	<10	<2
S192632	Drill Core	0.06	0.11	63.9	0.3	<0.05	2.7	6.85	12.7	<0.02	<1	0.5	12.9	<10	<2
S192633	Drill Core	0.04	0.04	102.2	0.3	<0.05	1.8	4.84	9.4	<0.02	<1	0.6	26.8	<10	3
S192634	Drill Core	0.12	0.24	57.1	0.5	<0.05	3.2	5.33	29.0	<0.02	<1	0.6	14.9	<10	<2
S192635	Drill Core	0.10	0.44	41.6	0.6	<0.05	3.2	6.48	33.8	<0.02	<1	0.7	13.9	<10	<2
S192636	Drill Core	0.09	0.20	35.5	0.6	<0.05	3.4	10.66	33.8	<0.02	<1	0.9	15.4	<10	<2
S192637	Drill Core	0.20	0.61	50.4	0.8	<0.05	4.9	6.54	30.1	<0.02	<1	0.5	15.0	<10	<2
S192638	Drill Core	0.13	0.16	15.7	0.5	<0.05	4.1	10.10	37.8	0.02	<1	0.8	14.8	<10	<2
S192639	Drill Core	0.19	0.15	23.8	0.3	<0.05	6.1	12.69	35.2	<0.02	<1	0.6	13.0	<10	<2
S192640	Rock Pulp	0.19	0.09	5.2	1.6	<0.05	6.1	7.57	9.1	0.03	115	0.3	10.7	<10	2
S192641	Drill Core	0.21	0.31	16.2	0.6	<0.05	4.4	7.17	25.5	<0.02	<1	0.7	14.3	<10	<2
S192642	Drill Core	0.17	0.28	19.4	0.6	<0.05	4.7	7.44	24.3	<0.02	<1	0.5	12.3	<10	<2
S192643	Drill Core	0.27	0.30	33.5	0.7	<0.05	6.3	5.52	31.4	<0.02	<1	0.6	11.8	<10	<2
S192644	Drill Core	0.31	0.44	48.1	1.0	<0.05	7.7	4.60	27.1	<0.02	<1	0.7	18.7	<10	<2
S192645 Dup of S192644	Core DUP	0.26	0.38	44.1	0.8	<0.05	6.9	4.30	26.1	<0.02	<1	0.8	16.1	<10	<2
S192646	Drill Core	0.14	0.16	22.4	0.5	<0.05	3.3	10.12	31.9	<0.02	<1	0.7	13.8	<10	<2
S192647	Drill Core	0.14	0.18	21.2	0.7	<0.05	4.0	10.92	32.5	0.02	<1	0.6	17.2	<10	<2
S192648	Drill Core	0.14	0.28	23.0	0.7	<0.05	4.9	11.06	29.0	<0.02	<1	0.6	18.9	<10	<2

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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS SMI15000109.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192649	Drill Core	3.88	0.15	2.59	10.13	79.5	33	4.2	3.6	719	2.41	0.6	1.7	2.6	7.8	206.6	0.10	0.10	0.02	22	2.41
S192650	Rock	0.83	0.05	0.45	0.10	1.0	4	1.2	0.1	30	0.06	0.4	1.4	<0.2	<0.1	3655.6	<0.01	<0.02	<0.02	<2	34.30
S192651	Drill Core	5.22	0.17	5.72	11.72	80.1	65	4.6	3.8	756	2.48	1.7	1.5	2.6	7.5	164.3	0.15	0.15	0.11	21	2.34
S192652	Drill Core	3.24	0.19	7.85	13.37	92.1	223	6.2	4.4	932	2.79	3.2	1.0	32.5	5.5	138.2	0.09	0.21	0.13	30	2.54
S192653	Drill Core	5.75	0.21	7.01	9.76	91.0	82	6.3	4.5	913	2.64	1.4	0.8	7.4	3.8	233.3	0.07	0.13	0.05	27	2.41
S192654	Drill Core	3.42	0.33	6.56	10.36	75.2	96	4.8	3.9	687	2.42	1.8	1.4	21.1	7.0	136.0	0.12	0.13	0.13	21	2.70
S192655	Drill Core	3.38	0.13	8.05	10.20	71.1	75	3.6	3.4	616	2.40	2.0	1.7	12.2	8.6	383.5	0.07	0.16	0.08	21	1.84
S192656	Drill Core	3.85	0.80	7.91	9.26	86.6	113	4.7	4.3	642	2.65	2.6	1.4	7.3	7.7	376.1	0.06	0.30	0.40	31	1.53
S192657	Drill Core	4.22	0.28	7.04	11.07	94.2	54	5.0	5.0	721	2.60	2.2	1.3	2.6	7.1	769.1	0.07	0.17	0.07	29	2.41
S192658	Drill Core	3.77	0.45	6.34	8.87	92.9	110	5.6	4.5	789	2.62	0.9	1.3	13.7	6.9	566.4	0.13	0.16	0.16	30	2.47
S192659	Drill Core	4.98	0.61	5.41	13.84	84.1	173	4.6	4.3	523	2.27	1.1	1.3	23.2	7.1	527.4	0.15	0.17	0.31	23	2.49
S192660	Drill Core	5.57	0.46	4.19	9.91	83.7	100	5.2	4.6	538	2.47	1.7	1.3	17.3	7.5	256.7	0.08	0.15	0.08	27	2.81
S192661	Drill Core	5.47	0.35	12.37	10.28	85.5	82	5.7	4.6	484	2.56	2.6	1.1	3.3	7.2	321.6	0.10	0.22	0.09	26	2.02
S192662	Drill Core	6.69	0.45	8.03	7.10	85.8	55	5.6	4.6	494	2.57	1.3	1.1	2.3	8.0	295.1	0.06	0.14	0.03	31	1.85
S192663	Drill Core	6.29	0.12	7.22	9.38	90.2	64	5.7	5.1	530	2.51	2.2	1.2	5.1	7.5	691.4	0.12	0.21	0.13	34	2.30
S192664	Drill Core	3.20	0.71	7.35	9.70	85.2	79	5.7	5.3	582	2.49	2.6	1.4	5.0	8.4	250.4	0.07	0.17	0.18	34	2.45
S192665	Drill Core	3.21	0.63	5.95	8.67	81.6	81	5.1	5.1	583	2.49	2.2	1.3	6.5	8.3	192.0	0.09	0.19	0.15	33	2.59
S192666	Drill Core	3.48	0.60	6.28	4.21	62.8	60	6.5	5.8	429	2.13	4.2	2.1	3.9	6.7	149.0	0.09	0.18	0.21	10	2.33
S192667	Drill Core	5.71	0.56	8.71	4.61	53.7	61	5.5	5.5	494	1.99	5.9	1.9	3.4	6.8	181.8	0.08	0.14	0.21	9	3.00
S192668	Drill Core	4.35	0.29	133.94	4.98	109.9	252	71.1	28.9	1291	5.09	9.2	0.8	0.9	1.6	392.2	0.06	0.40	0.06	96	8.60
S192669	Drill Core	4.06	0.96	65.38	3.90	54.8	193	9.4	11.6	856	3.29	6.7	0.6	52.9	1.8	282.8	0.07	0.31	0.24	53	4.66
S192670	Drill Core	1.15	0.54	118.12	5.69	151.0	287	72.6	29.6	1716	4.78	16.4	1.1	3.3	1.9	584.9	0.13	0.36	0.27	72	10.21
S192671	Drill Core	2.50	0.18	13.13	5.16	66.1	46	11.1	6.9	696	2.50	2.9	1.3	2.9	5.0	239.4	0.06	0.21	0.05	25	3.74
S192672	Drill Core	5.64	0.43	182.73	3.44	67.4	104	65.3	25.5	783	3.94	0.9	0.5	1.6	1.5	176.7	0.03	0.22	<0.02	133	3.86
S192673	Drill Core	6.43	0.41	178.13	3.25	63.0	114	67.8	26.2	728	4.02	2.5	0.5	0.6	1.4	219.4	0.03	0.24	<0.02	144	4.50
S192674	Drill Core	5.67	0.77	195.26	1.69	54.6	127	64.3	23.4	631	3.54	0.9	0.4	2.9	1.4	170.1	<0.01	0.12	0.06	125	2.24
S192675	Drill Core	7.43	0.70	182.82	1.80	60.5	84	68.9	25.9	669	3.72	0.8	0.4	1.8	1.2	172.7	0.01	0.11	0.03	136	2.23
S192676	Drill Core	5.26	0.38	155.69	2.16	58.2	76	66.9	25.5	701	3.79	0.4	0.4	1.8	1.4	176.1	0.02	0.11	0.02	133	2.90
S192677	Drill Core	4.07	0.57	175.45	1.89	57.0	104	64.3	24.2	644	3.68	1.0	0.4	3.1	1.4	170.9	<0.01	0.13	<0.02	127	2.23
S192678	Drill Core	7.58	0.10	181.12	1.72	51.5	100	62.7	22.5	513	3.12	1.1	0.4	3.5	1.2	156.6	0.02	0.11	<0.02	101	1.54

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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS SMI15000109.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192649	Drill Core	0.083	27.4	5.7	0.62	77.1	0.058	2	1.66	0.081	0.41	0.1	2.9	0.16	0.02	9	<0.1	<0.02	7.3	1.00	<0.1
S192650	Rock	0.004	<0.5	0.6	1.32	5.8	0.002	<1	0.03	0.005	<0.01	<0.1	0.1	<0.02	0.06	<5	<0.1	0.32	0.1	<0.02	<0.1
S192651	Drill Core	0.086	23.6	7.3	0.62	59.6	0.029	2	1.54	0.067	0.34	<0.1	2.4	0.12	0.11	12	<0.1	<0.02	6.6	0.82	<0.1
S192652	Drill Core	0.092	17.6	10.2	0.77	80.5	0.053	2	1.99	0.067	0.52	<0.1	3.8	0.21	0.12	15	0.2	0.05	8.5	1.60	<0.1
S192653	Drill Core	0.094	13.3	8.9	0.69	84.2	0.100	2	1.60	0.069	0.47	0.2	3.2	0.19	0.09	12	0.1	0.02	7.2	0.94	<0.1
S192654	Drill Core	0.084	23.6	7.4	0.61	57.3	0.038	2	1.54	0.065	0.39	<0.1	2.1	0.16	0.10	8	0.2	<0.02	6.8	0.94	<0.1
S192655	Drill Core	0.071	26.1	5.4	0.58	43.9	0.046	2	1.56	0.075	0.32	0.1	2.2	0.14	0.08	9	0.3	<0.02	7.8	0.84	<0.1
S192656	Drill Core	0.085	21.4	9.1	0.67	73.2	0.107	1	1.95	0.124	0.68	0.2	3.6	0.37	0.11	12	0.3	<0.02	9.0	1.62	<0.1
S192657	Drill Core	0.088	20.7	8.2	0.66	50.1	0.092	2	1.65	0.086	0.30	0.3	2.8	0.13	0.06	10	<0.1	<0.02	7.8	0.75	0.1
S192658	Drill Core	0.087	21.1	9.2	0.63	95.4	0.125	2	1.85	0.132	0.70	0.2	4.1	0.34	0.07	6	0.2	<0.02	8.3	1.56	<0.1
S192659	Drill Core	0.083	19.7	7.4	0.58	46.0	0.070	4	1.41	0.077	0.31	0.2	1.9	0.11	0.10	8	<0.1	<0.02	6.5	0.70	<0.1
S192660	Drill Core	0.083	20.4	9.7	0.67	59.7	0.061	2	1.70	0.075	0.44	0.1	2.2	0.17	0.08	5	<0.1	<0.02	8.3	1.02	<0.1
S192661	Drill Core	0.085	18.9	10.3	0.71	44.6	0.040	2	1.59	0.066	0.29	<0.1	2.1	0.11	0.12	12	0.2	<0.02	7.7	0.80	<0.1
S192662	Drill Core	0.086	16.6	10.8	0.70	58.7	0.102	1	1.70	0.100	0.42	0.2	2.5	0.18	0.09	9	0.2	<0.02	8.9	1.08	<0.1
S192663	Drill Core	0.079	14.8	9.5	0.73	90.6	0.089	3	1.68	0.077	0.32	0.2	2.5	0.16	0.10	12	0.2	<0.02	8.2	0.87	<0.1
S192664	Drill Core	0.079	18.6	9.8	0.80	49.5	0.056	2	1.93	0.070	0.44	0.1	2.3	0.23	0.14	14	<0.1	0.07	9.1	1.32	<0.1
S192665	Drill Core	0.081	17.6	8.5	0.78	45.6	0.064	2	1.81	0.064	0.48	0.2	2.4	0.25	0.12	<5	0.1	<0.02	8.4	1.37	<0.1
S192666	Drill Core	0.081	20.0	4.5	0.61	23.8	0.002	2	1.07	0.052	0.25	<0.1	1.7	0.07	0.43	<5	0.1	<0.02	3.2	0.68	<0.1
S192667	Drill Core	0.084	14.1	3.1	0.51	31.8	0.001	3	0.95	0.035	0.26	<0.1	1.2	0.07	0.43	5	0.2	0.04	2.3	0.51	<0.1
S192668	Drill Core	0.212	7.0	106.6	2.30	35.7	0.008	3	2.46	0.028	0.18	<0.1	10.5	0.07	0.20	15	<0.1	<0.02	6.6	0.59	<0.1
S192669	Drill Core	0.123	7.4	7.3	1.03	19.7	0.004	2	1.35	0.050	0.15	<0.1	4.0	0.04	0.77	<5	0.3	0.03	4.7	0.39	<0.1
S192670	Drill Core	0.216	8.5	86.7	1.65	22.5	0.002	3	2.17	0.030	0.19	<0.1	11.5	0.07	0.39	17	<0.1	0.08	4.7	0.40	<0.1
S192671	Drill Core	0.100	13.3	15.4	0.92	41.4	0.030	1	1.39	0.033	0.27	<0.1	2.4	0.06	0.23	8	<0.1	<0.02	4.7	0.88	<0.1
S192672	Drill Core	0.206	6.0	167.9	2.68	236.9	0.203	2	2.51	0.035	1.56	0.2	3.6	0.12	0.04	<5	0.1	<0.02	7.3	1.62	<0.1
S192673	Drill Core	0.214	6.4	177.3	2.44	136.6	0.187	2	2.34	0.036	1.30	0.3	6.6	0.09	0.04	<5	0.2	<0.02	7.1	1.46	0.1
S192674	Drill Core	0.235	6.8	164.4	2.60	76.9	0.198	2	2.36	0.042	1.73	0.2	3.9	0.10	0.03	<5	<0.1	<0.02	6.6	2.53	0.1
S192675	Drill Core	0.218	7.0	173.8	2.75	92.1	0.212	2	2.57	0.036	2.04	0.1	3.6	0.14	<0.02	<5	<0.1	0.03	6.9	3.10	0.1
S192676	Drill Core	0.230	7.5	171.1	2.74	85.7	0.192	1	2.42	0.033	1.54	0.1	4.1	0.10	<0.02	<5	<0.1	<0.02	7.3	2.08	<0.1
S192677	Drill Core	0.231	7.1	171.0	2.72	126.2	0.191	3	2.42	0.040	1.62	<0.1	4.0	0.09	<0.02	10	<0.1	<0.02	7.4	2.74	0.1
S192678	Drill Core	0.222	6.0	166.6	2.36	101.3	0.149	2	2.08	0.039	1.19	0.1	2.9	0.05	<0.02	<5	<0.1	0.04	5.7	1.60	<0.1

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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS SMI15000109.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192649	Drill Core	0.27	0.51	23.9	0.6	<0.05	6.7	8.97	51.7	<0.02	<1	0.6	14.6	<10	<2
S192650	Rock	<0.02	0.12	0.2	<0.1	<0.05	0.3	0.53	0.7	<0.02	<1	<0.1	0.3	<10	<2
S192651	Drill Core	0.15	0.29	18.3	0.6	<0.05	4.1	10.04	45.7	0.02	<1	0.4	14.6	<10	<2
S192652	Drill Core	0.10	0.15	30.0	0.8	<0.05	2.4	10.85	35.1	0.02	<1	0.8	15.9	<10	<2
S192653	Drill Core	0.16	0.32	25.1	0.6	<0.05	2.6	9.63	26.5	<0.02	<1	0.4	14.0	<10	<2
S192654	Drill Core	0.22	0.22	22.1	0.5	<0.05	5.2	7.76	45.2	<0.02	<1	0.5	12.8	<10	<2
S192655	Drill Core	0.24	0.49	21.0	0.6	<0.05	6.1	6.29	47.6	<0.02	<1	0.6	16.2	<10	<2
S192656	Drill Core	0.28	0.58	50.2	1.1	<0.05	6.9	6.06	41.0	0.03	<1	0.8	18.9	<10	<2
S192657	Drill Core	0.18	0.66	18.3	0.6	<0.05	5.6	7.16	40.3	<0.02	<1	0.2	15.1	<10	<2
S192658	Drill Core	0.29	0.55	45.8	0.9	<0.05	7.8	7.77	41.6	0.02	<1	0.5	15.0	<10	<2
S192659	Drill Core	0.30	0.45	19.1	0.5	<0.05	7.2	5.83	38.3	<0.02	<1	0.7	13.9	<10	<2
S192660	Drill Core	0.28	0.29	27.0	0.6	<0.05	6.7	5.63	38.8	0.03	<1	0.7	15.8	<10	<2
S192661	Drill Core	0.12	0.25	16.6	0.5	<0.05	3.1	5.39	36.4	<0.02	<1	0.8	15.3	<10	<2
S192662	Drill Core	0.19	0.42	28.0	0.8	<0.05	5.0	4.70	31.0	0.02	<1	0.5	13.9	<10	<2
S192663	Drill Core	0.20	0.30	21.8	0.7	<0.05	4.8	4.15	28.8	0.03	<1	0.8	15.2	<10	<2
S192664	Drill Core	0.18	0.17	31.1	0.7	<0.05	4.7	5.38	35.9	<0.02	3	0.7	19.2	<10	<2
S192665	Drill Core	0.21	0.25	33.5	0.6	<0.05	4.7	5.21	34.7	0.02	2	0.7	18.0	<10	<2
S192666	Drill Core	0.03	<0.02	10.9	0.2	<0.05	1.4	9.47	39.4	<0.02	<1	0.5	8.8	<10	2
S192667	Drill Core	0.05	<0.02	12.2	0.2	<0.05	1.9	7.95	27.6	<0.02	<1	0.6	7.8	<10	<2
S192668	Drill Core	0.04	<0.02	6.9	<0.1	<0.05	1.4	8.50	13.0	<0.02	<1	0.6	23.6	<10	6
S192669	Drill Core	0.05	<0.02	6.9	0.1	<0.05	1.6	10.84	14.5	<0.02	<1	0.4	13.1	<10	<2
S192670	Drill Core	0.02	<0.02	7.2	<0.1	<0.05	0.9	10.25	15.4	0.03	<1	0.9	22.8	<10	8
S192671	Drill Core	0.12	0.11	13.3	0.4	<0.05	3.1	7.98	26.5	<0.02	<1	0.5	12.6	<10	<2
S192672	Drill Core	0.07	0.05	36.5	0.2	<0.05	2.0	4.49	11.1	<0.02	1	0.6	33.5	<10	4
S192673	Drill Core	0.09	0.05	36.4	0.2	<0.05	2.3	5.17	12.3	<0.02	<1	0.6	27.9	11	3
S192674	Drill Core	0.09	0.04	57.2	0.2	<0.05	2.4	4.84	12.6	<0.02	2	0.5	29.0	18	4
S192675	Drill Core	0.05	0.04	67.0	0.2	<0.05	1.4	4.66	12.7	<0.02	<1	0.4	32.5	<10	7
S192676	Drill Core	0.05	0.05	48.7	0.2	<0.05	1.6	5.16	14.0	<0.02	<1	0.3	31.1	<10	5
S192677	Drill Core	0.08	0.03	45.6	0.2	<0.05	1.9	4.71	12.9	<0.02	<1	0.5	31.9	10	3
S192678	Drill Core	0.04	0.04	29.4	0.2	<0.05	1.6	3.97	10.6	<0.02	<1	0.5	31.8	<10	5

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CERTIFICATE OF ANALYSIS SMI15000109.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192679	Drill Core	7.58	0.82	176.54	1.61	57.1	110	63.6	24.0	595	3.52	0.9	0.4	3.9	1.2	163.0	<0.01	0.05	<0.02	123	1.86
S192680	Rock Pulp	0.12	253.45	4735.38	4.58	54.3	699	35.0	11.5	500	3.71	6.0	0.3	535.0	1.0	46.0	0.04	0.83	0.13	69	0.90
S192681	Drill Core	3.01	0.91	196.43	1.95	66.4	93	74.3	30.7	815	4.24	0.6	0.4	4.1	1.5	175.0	0.02	0.07	<0.02	150	3.01
S192682	Drill Core	6.03	0.55	185.67	1.76	53.4	101	62.4	23.2	586	3.37	0.8	0.4	2.6	1.4	256.4	0.02	0.08	<0.02	122	2.80
S192683	Drill Core	5.86	0.31	180.80	2.40	55.8	86	62.5	24.1	619	3.38	1.4	0.4	1.3	1.3	168.5	0.02	0.10	<0.02	117	3.15
S192684	Drill Core	6.48	0.48	174.01	2.59	61.3	85	65.5	25.4	604	3.68	1.3	0.5	1.8	1.4	220.6	0.03	0.11	<0.02	119	3.31
S192685 Dup of S192684	Core DUP	<0.01	0.54	169.97	2.68	58.3	85	66.2	24.4	605	3.63	1.6	0.5	1.5	1.4	208.4	0.03	0.12	<0.02	117	3.25
S192686	Drill Core	3.93	0.27	185.20	2.41	52.9	108	58.5	22.0	594	3.36	1.1	0.4	1.0	1.3	184.6	0.03	0.08	<0.02	111	3.04
S192687	Drill Core	6.15	0.26	186.78	2.23	53.4	87	59.8	22.8	658	3.26	0.9	0.4	1.2	1.1	165.7	0.03	0.07	<0.02	112	2.72
S192688	Drill Core	6.09	0.44	180.00	2.74	51.3	83	57.2	21.4	597	3.04	1.6	0.4	2.2	1.1	193.8	0.03	0.09	<0.02	108	3.31
S192689	Drill Core	6.56	0.33	172.84	2.39	55.0	80	58.8	22.0	703	3.52	1.2	0.5	<0.2	1.4	246.4	0.04	0.23	<0.02	119	4.06
S192690	Rock	1.07	0.04	1.03	0.11	0.4	3	1.9	0.3	23	0.04	<0.1	1.6	<0.2	<0.1	3535.2	<0.01	<0.02	<0.02	<2	35.45
S192691	Drill Core	2.65	0.26	165.12	6.08	31.6	88	41.7	16.0	401	2.11	1.6	0.5	0.7	1.3	356.7	0.06	0.31	<0.02	68	4.50
S192692	Drill Core	3.33	0.23	197.36	2.76	45.7	88	51.5	18.9	564	2.63	0.9	0.6	<0.2	1.0	224.5	0.04	0.09	<0.02	92	5.03
S192693	Drill Core	6.82	0.97	188.59	1.95	50.4	73	60.1	21.8	507	2.97	1.0	0.4	0.7	1.1	154.2	0.02	0.05	<0.02	99	2.08
S192694	Drill Core	5.08	0.68	181.59	1.98	49.9	95	58.9	20.9	510	2.97	0.9	0.4	<0.2	1.1	157.2	0.02	0.08	<0.02	100	2.43
S192695	Drill Core	4.94	0.81	170.13	2.72	59.8	108	66.0	25.0	775	3.95	1.0	0.4	2.6	1.3	195.5	0.02	0.08	<0.02	145	4.20
S192696	Drill Core	4.13	0.18	6.98	11.01	90.4	34	4.2	4.2	573	2.15	0.4	2.1	<0.2	9.7	493.7	0.09	0.09	0.04	19	1.82
S192697	Drill Core	3.96	0.20	7.10	7.67	82.9	34	4.8	4.3	555	2.17	0.2	1.8	<0.2	9.1	486.1	0.08	0.11	0.03	21	1.78
S192698	Drill Core	3.98	0.48	165.92	3.80	57.8	70	51.2	20.0	707	3.61	1.5	0.5	2.1	1.8	225.2	0.05	0.12	0.06	109	6.16
S192699	Drill Core	5.50	0.54	180.00	1.79	56.5	92	62.5	23.6	608	3.58	0.8	0.5	3.7	1.2	187.8	0.02	0.11	<0.02	128	2.84
S192700	Drill Core	6.31	0.17	180.15	1.38	56.6	96	61.5	22.7	548	3.31	1.0	0.4	7.6	1.3	170.1	0.01	0.10	<0.02	116	1.69
S192701	Drill Core	5.45	0.25	187.54	1.72	54.6	108	60.3	22.4	561	3.24	1.2	0.4	2.3	1.3	172.4	0.01	0.07	0.05	111	2.32
S192702	Drill Core	4.03	0.45	184.92	2.74	60.2	145	63.7	24.1	701	4.13	2.0	0.4	4.9	1.3	232.3	0.03	0.11	0.03	134	4.87
S192703	Drill Core	3.32	0.18	207.59	4.18	50.5	126	60.1	21.8	611	3.53	2.1	0.5	2.9	1.5	212.2	0.03	0.19	<0.02	111	3.92
S192704	Drill Core	6.00	3.14	134.67	7.01	77.3	102	83.0	34.1	976	5.30	11.7	0.5	<0.2	1.6	295.1	0.24	0.63	0.05	194	7.23
S192705	Drill Core	1.89	3.62	133.03	7.14	75.4	93	80.8	32.8	885	5.16	9.8	0.4	<0.2	1.8	262.6	0.20	0.52	0.05	192	6.30
S192706	Drill Core	4.96	1.15	112.24	5.99	53.0	86	74.2	28.5	644	3.90	9.5	0.4	0.6	1.4	188.9	0.09	0.34	0.13	125	6.57
S192707	Drill Core	3.89	3.61	126.97	8.54	78.4	124	73.2	29.9	852	4.68	8.7	0.5	12.3	1.3	289.7	0.32	0.15	0.28	173	6.65
S192708	Drill Core	5.10	0.40	194.91	4.05	60.3	133	57.6	23.2	645	3.45	2.1	0.6	1.1	1.7	224.8	0.11	0.18	<0.02	116	4.54

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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS   SMI15000109.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192679	Drill Core	0.216	6.9	161.7	2.57	137.0	0.179	1	2.44	0.045	2.11	0.1	2.7	0.09	<0.02	<5	<0.1	<0.02	6.6	2.78	0.1
S192680	Rock Pulp	0.058	4.6	37.4	0.82	101.9	0.148	5	1.75	0.094	0.15	0.2	5.3	0.06	0.63	38	0.7	0.07	5.4	0.42	<0.1
S192681	Drill Core	0.226	7.3	179.5	3.36	159.3	0.230	2	2.92	0.029	2.06	0.1	5.6	0.09	0.03	<5	<0.1	<0.02	7.8	3.38	0.1
S192682	Drill Core	0.234	6.7	169.1	2.24	128.9	0.214	2	2.25	0.049	1.78	0.2	2.8	0.09	0.02	6	0.1	0.03	6.0	2.62	0.1
S192683	Drill Core	0.227	4.8	170.5	2.20	301.4	0.206	1	2.18	0.058	1.53	0.2	4.4	0.06	0.05	<5	<0.1	<0.02	5.8	1.49	0.1
S192684	Drill Core	0.216	5.1	174.3	2.17	236.9	0.207	3	2.19	0.056	1.42	0.3	4.3	0.05	0.05	9	<0.1	<0.02	6.4	1.89	<0.1
S192685 Dup of S192684	Core DUP	0.223	4.9	165.9	2.19	233.3	0.198	2	2.16	0.055	1.40	0.3	4.0	0.07	0.05	<5	<0.1	<0.02	6.2	1.89	0.1
S192686	Drill Core	0.219	4.8	168.8	2.09	194.9	0.196	2	2.07	0.074	1.37	0.2	4.1	0.06	0.03	<5	<0.1	<0.02	5.6	1.89	0.1
S192687	Drill Core	0.217	5.0	170.9	2.28	171.6	0.189	2	2.18	0.042	1.58	0.1	4.1	0.06	0.03	<5	<0.1	0.04	5.7	1.73	0.1
S192688	Drill Core	0.221	4.3	160.3	1.89	139.7	0.195	3	1.93	0.054	1.31	0.2	3.7	0.05	0.05	<5	<0.1	<0.02	5.2	1.40	<0.1
S192689	Drill Core	0.209	4.9	167.6	2.09	143.9	0.163	2	1.91	0.062	0.84	0.2	5.5	0.04	0.03	<5	<0.1	<0.02	6.2	1.34	0.1
S192690	Rock	0.003	<0.5	2.1	1.06	6.2	0.002	<1	0.03	0.003	<0.01	<0.1	0.2	<0.02	0.03	<5	<0.1	0.19	<0.1	<0.02	<0.1
S192691	Drill Core	0.213	3.9	115.0	0.81	73.1	0.138	6	1.10	0.069	0.32	0.4	2.7	<0.02	0.10	<5	<0.1	<0.02	3.7	0.44	0.2
S192692	Drill Core	0.205	4.0	149.2	1.39	151.2	0.153	2	1.44	0.045	0.78	0.3	2.6	0.03	0.03	<5	<0.1	<0.02	4.3	0.76	<0.1
S192693	Drill Core	0.216	4.4	157.5	2.02	139.1	0.183	3	2.06	0.047	1.53	<0.1	2.7	0.06	<0.02	<5	<0.1	<0.02	5.6	1.98	<0.1
S192694	Drill Core	0.227	4.8	159.3	1.96	77.3	0.183	2	1.94	0.033	1.36	0.1	2.6	0.07	<0.02	<5	<0.1	<0.02	5.1	1.85	<0.1
S192695	Drill Core	0.219	7.0	184.6	2.71	320.1	0.202	<1	2.64	0.028	1.54	0.1	7.2	0.14	<0.02	<5	<0.1	<0.02	7.6	3.44	0.1
S192696	Drill Core	0.078	18.4	7.1	0.59	97.4	0.129	2	1.48	0.062	0.55	<0.1	1.4	0.20	0.04	6	<0.1	<0.02	5.6	1.14	<0.1
S192697	Drill Core	0.080	18.6	7.2	0.58	113.2	0.134	1	1.43	0.074	0.60	<0.1	1.5	0.18	0.07	<5	<0.1	<0.02	5.2	1.34	<0.1
S192698	Drill Core	0.231	4.5	178.7	1.73	242.8	0.163	3	1.75	0.062	0.62	0.3	4.6	0.06	0.03	<5	<0.1	<0.02	5.8	1.27	0.1
S192699	Drill Core	0.221	5.4	175.8	2.38	97.8	0.213	2	2.29	0.043	1.69	0.1	3.2	0.12	<0.02	<5	<0.1	<0.02	6.8	2.84	0.1
S192700	Drill Core	0.251	7.0	165.8	2.36	67.1	0.194	2	2.23	0.043	1.57	0.1	3.0	0.09	<0.02	<5	<0.1	0.02	6.6	1.97	<0.1
S192701	Drill Core	0.236	6.5	164.4	2.21	84.9	0.198	3	2.15	0.043	1.65	0.2	3.2	0.08	<0.02	<5	<0.1	0.03	6.2	1.80	0.1
S192702	Drill Core	0.217	4.7	186.1	2.17	496.4	0.227	2	2.19	0.065	1.42	0.3	4.7	0.11	0.17	<5	<0.1	0.02	6.2	2.17	0.1
S192703	Drill Core	0.206	5.3	159.9	2.08	202.9	0.182	2	1.95	0.062	0.76	0.2	4.7	0.05	0.20	<5	0.1	<0.02	5.8	0.82	<0.1
S192704	Drill Core	0.194	5.9	270.4	2.39	580.4	0.255	1	2.93	0.043	1.66	0.3	8.7	0.14	0.35	8	<0.1	<0.02	9.4	2.27	<0.1
S192705	Drill Core	0.196	5.9	252.4	2.31	561.2	0.246	2	2.89	0.040	1.60	0.3	7.7	0.11	0.32	<5	<0.1	<0.02	9.6	2.26	0.1
S192706	Drill Core	0.171	4.6	238.7	1.58	190.9	0.197	13	1.84	0.057	0.57	0.3	4.8	0.05	0.16	<5	<0.1	0.03	6.9	0.81	<0.1
S192707	Drill Core	0.202	4.7	225.3	1.97	316.5	0.223	2	2.42	0.045	1.12	0.7	5.8	0.09	0.17	6	<0.1	0.04	8.5	1.41	0.2
S192708	Drill Core	0.223	7.2	152.0	2.00	76.7	0.207	2	2.03	0.036	1.41	0.2	5.2	0.12	0.09	<5	<0.1	0.03	6.2	1.47	0.1

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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS SMI15000109.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192679	Drill Core	<0.02	0.02	55.2	0.2	<0.05	0.9	4.27	12.7	<0.02	<1	0.4	39.3	12	4
S192680	Rock Pulp	0.16	0.09	5.1	1.5	<0.05	5.1	7.88	9.3	0.03	120	0.2	11.8	<10	7
S192681	Drill Core	0.07	0.05	55.9	0.3	<0.05	1.9	4.89	13.3	<0.02	<1	0.3	42.5	10	4
S192682	Drill Core	0.10	0.03	54.6	0.2	<0.05	2.2	4.45	12.2	<0.02	<1	0.3	34.7	<10	6
S192683	Drill Core	0.11	0.03	30.9	0.2	<0.05	2.7	3.66	8.9	<0.02	1	0.6	32.1	<10	7
S192684	Drill Core	0.09	0.04	34.6	0.2	<0.05	3.0	4.07	9.1	<0.02	<1	0.7	30.7	13	3
S192685 Dup of S192684	Core DUP	0.10	0.03	33.1	0.2	<0.05	3.0	3.82	9.3	<0.02	1	0.6	31.2	<10	5
S192686	Drill Core	0.12	0.04	32.8	0.2	<0.05	2.9	3.86	8.8	<0.02	<1	0.4	31.6	10	7
S192687	Drill Core	0.08	0.03	34.9	0.1	<0.05	2.0	3.51	9.0	<0.02	2	0.4	39.9	16	5
S192688	Drill Core	0.12	0.04	29.5	0.2	<0.05	2.9	3.35	7.9	<0.02	2	0.5	29.1	<10	3
S192689	Drill Core	0.09	0.04	21.1	0.2	<0.05	2.8	4.11	9.3	<0.02	<1	0.6	21.2	<10	7
S192690	Rock	<0.02	0.02	0.1	<0.1	<0.05	0.1	0.21	0.2	<0.02	1	<0.1	0.4	<10	2
S192691	Drill Core	0.12	0.15	7.2	0.2	<0.05	4.8	3.38	7.4	<0.02	<1	0.5	8.6	11	3
S192692	Drill Core	0.09	0.04	18.1	0.1	<0.05	2.5	3.15	7.4	<0.02	<1	0.4	19.6	<10	4
S192693	Drill Core	0.06	0.04	41.3	0.2	<0.05	1.6	3.29	8.4	<0.02	<1	0.5	36.7	<10	3
S192694	Drill Core	0.05	0.04	39.9	0.2	<0.05	1.7	3.22	8.7	<0.02	<1	0.5	31.9	<10	5
S192695	Drill Core	0.04	0.02	47.9	0.3	<0.05	1.7	5.27	12.8	<0.02	1	0.4	35.7	<10	4
S192696	Drill Core	0.22	0.69	31.8	0.5	<0.05	5.5	7.71	35.1	<0.02	<1	0.4	12.8	<10	<2
S192697	Drill Core	0.19	0.67	32.2	0.5	<0.05	5.0	6.87	35.8	<0.02	<1	0.5	11.6	<10	<2
S192698	Drill Core	0.10	0.07	16.5	0.2	<0.05	2.9	4.23	8.5	<0.02	<1	0.3	22.1	<10	8
S192699	Drill Core	0.07	0.03	53.5	0.2	<0.05	2.4	3.93	9.9	<0.02	<1	0.5	31.7	<10	5
S192700	Drill Core	0.09	0.03	46.5	0.2	<0.05	2.2	4.26	12.6	<0.02	<1	0.4	37.0	<10	6
S192701	Drill Core	0.08	0.05	45.2	0.2	<0.05	2.3	4.18	11.6	<0.02	<1	0.3	36.2	<10	5
S192702	Drill Core	0.09	0.07	30.5	0.2	<0.05	2.2	4.01	8.9	<0.02	<1	0.4	28.3	11	4
S192703	Drill Core	0.11	0.05	13.9	0.2	<0.05	3.3	4.42	9.9	<0.02	<1	0.6	28.3	<10	5
S192704	Drill Core	0.06	0.03	30.0	0.4	<0.05	1.8	7.18	11.6	<0.02	4	0.4	33.5	<10	4
S192705	Drill Core	0.06	0.03	29.2	0.3	<0.05	1.5	6.91	11.7	0.03	3	0.3	36.0	<10	4
S192706	Drill Core	0.10	0.08	10.7	0.2	<0.05	2.9	5.64	9.2	<0.02	2	0.3	24.8	<10	5
S192707	Drill Core	0.17	0.09	23.8	0.3	<0.05	2.2	5.46	8.8	<0.02	<1	0.4	31.0	<10	4
S192708	Drill Core	0.12	0.07	46.7	0.2	<0.05	3.2	4.93	13.5	<0.02	<1	0.4	32.1	15	5

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CERTIFICATE OF ANALYSIS   SMI15000109.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192709	Drill Core	2.52	2.76	14.05	9.10	84.0	24	6.4	5.1	492	2.30	0.2	0.9	1.4	2.1	233.6	0.01	0.33	0.06	31	1.83
S192710	Drill Core	6.06	1.02	181.10	2.43	53.9	84	53.3	23.6	612	3.33	0.7	0.4	1.6	1.1	212.2	0.04	0.10	<0.02	113	2.34
S192711	Drill Core	5.00	1.08	185.00	1.54	43.3	113	42.7	22.0	528	3.21	0.4	0.2	1.4	0.6	178.9	0.05	0.08	<0.02	121	2.70
S192712	Drill Core	6.79	0.77	172.75	2.58	54.8	102	57.5	25.0	614	3.49	0.9	0.4	0.8	1.1	200.0	0.05	0.11	<0.02	116	2.22
S192713	Drill Core	5.86	0.74	177.82	4.25	64.3	97	62.4	25.1	620	3.58	0.4	0.5	1.9	1.5	193.8	0.05	0.10	<0.02	115	2.10
S192714	Drill Core	4.49	0.83	210.32	4.54	63.4	132	33.9	23.8	582	3.57	1.1	0.3	1.6	0.7	194.9	0.08	0.17	<0.02	131	2.71
S192715	Drill Core	4.63	0.87	192.39	10.29	62.9	101	62.6	24.1	614	3.43	0.4	0.6	0.6	1.5	274.9	0.05	0.17	<0.02	109	2.38
S192716	Drill Core	1.05	0.34	25.35	7.14	66.2	29	6.6	6.1	733	2.85	<0.1	1.5	0.9	7.6	181.5	0.08	0.19	0.06	43	3.14
S192717	Drill Core	7.11	2.25	195.71	3.05	60.8	116	65.8	26.1	768	4.03	0.9	0.7	4.7	1.7	314.5	0.02	0.19	<0.02	140	3.33
S192718	Drill Core	7.17	1.19	191.29	1.96	51.5	100	59.8	23.5	609	3.25	0.6	0.6	3.4	1.6	226.4	0.01	0.07	<0.02	109	2.61
S192719	Drill Core	5.51	0.78	175.36	3.40	62.0	115	66.8	26.6	785	4.20	1.3	0.6	1.0	1.7	244.5	0.02	0.14	<0.02	155	3.40
S192720	Rock Pulp	0.12	291.12	2471.56	84.95	479.1	2946	15.6	11.5	815	4.60	29.3	0.8	348.2	3.7	63.0	2.15	1.79	1.13	40	0.87

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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS SMI15000109.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192709	Drill Core	0.082	9.2	12.7	0.68	64.3	0.156	1	1.24	0.056	0.70	0.1	1.8	0.21	0.07	<5	<0.1	0.03	6.5	1.04	<0.1
S192710	Drill Core	0.199	6.5	127.9	2.25	83.0	0.207	2	2.04	0.074	1.03	0.1	6.2	0.05	0.04	<5	<0.1	<0.02	5.9	2.14	0.1
S192711	Drill Core	0.138	3.8	87.5	2.20	209.8	0.248	1	1.96	0.103	0.87	0.2	9.2	0.05	0.06	<5	<0.1	0.03	5.9	1.38	0.1
S192712	Drill Core	0.211	6.7	141.1	2.48	123.2	0.218	1	2.16	0.045	1.27	0.2	4.8	0.09	0.06	<5	<0.1	<0.02	6.6	2.31	0.1
S192713	Drill Core	0.232	8.1	150.5	2.45	182.2	0.203	2	2.24	0.043	1.33	0.1	3.9	0.07	0.05	<5	<0.1	<0.02	6.3	2.18	0.1
S192714	Drill Core	0.167	4.8	78.4	1.97	95.7	0.251	2	1.88	0.086	0.65	0.1	7.9	0.03	0.17	<5	<0.1	<0.02	6.0	1.22	0.1
S192715	Drill Core	0.233	8.4	150.7	2.41	59.1	0.187	2	2.19	0.033	0.93	0.1	3.9	0.06	0.04	<5	<0.1	<0.02	6.9	1.76	0.2
S192716	Drill Core	0.105	28.2	12.0	0.86	34.4	0.028	2	1.34	0.037	0.31	<0.1	3.0	0.05	0.10	<5	0.1	<0.02	7.7	1.28	<0.1
S192717	Drill Core	0.232	9.1	166.9	2.85	43.4	0.185	1	2.26	0.040	0.88	0.2	8.0	0.04	0.03	<5	<0.1	<0.02	7.2	2.14	0.2
S192718	Drill Core	0.243	8.3	147.9	2.21	59.9	0.202	2	2.04	0.042	1.36	0.2	3.8	0.05	<0.02	<5	<0.1	<0.02	6.0	2.47	<0.1
S192719	Drill Core	0.238	9.7	176.2	2.89	98.4	0.197	2	2.61	0.035	1.45	0.1	7.9	0.06	0.06	<5	<0.1	<0.02	7.5	2.76	<0.1
S192720	Rock Pulp	0.075	5.4	24.7	0.61	66.8	0.051	5	1.82	0.052	0.32	1.2	2.7	0.27	2.15	52	3.8	0.70	5.0	3.87	<0.1

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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS SMI15000109.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192709	Drill Core	0.12	0.63	35.7	0.6	<0.05	1.5	3.61	17.3	<0.02	2	0.3	12.8	<10	<2
S192710	Drill Core	0.14	0.04	36.8	0.2	<0.05	3.7	5.29	12.7	<0.02	<1	0.3	24.6	11	9
S192711	Drill Core	0.22	0.06	21.8	0.2	<0.05	5.2	5.72	7.8	<0.02	<1	0.1	25.6	<10	12
S192712	Drill Core	0.12	0.05	44.8	0.2	<0.05	2.8	4.99	12.7	<0.02	<1	0.4	30.9	<10	8
S192713	Drill Core	0.08	0.07	42.3	0.3	<0.05	2.5	5.41	15.1	<0.02	1	0.3	29.3	12	5
S192714	Drill Core	0.19	0.05	18.6	0.3	<0.05	4.9	5.75	9.0	<0.02	1	0.4	21.2	12	8
S192715	Drill Core	0.10	0.07	31.6	0.2	<0.05	3.2	5.47	15.5	<0.02	<1	0.5	25.5	<10	9
S192716	Drill Core	0.04	0.06	20.7	0.4	<0.05	1.2	10.83	55.5	0.02	<1	0.3	15.0	<10	2
S192717	Drill Core	0.15	0.05	37.4	0.3	<0.05	4.0	6.16	16.8	<0.02	<1	0.7	28.5	12	5
S192718	Drill Core	0.10	0.05	55.9	0.2	<0.05	3.2	5.25	14.6	<0.02	<1	0.4	28.6	<10	6
S192719	Drill Core	0.10	0.05	51.1	0.3	<0.05	2.5	6.65	17.4	<0.02	<1	0.5	38.4	<10	5
S192720	Rock Pulp	<0.02	0.18	15.0	0.7	<0.05	0.8	5.31	10.7	0.11	284	0.4	17.2	<10	4

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Project: TRX15-01
Report Date: December 02, 2015

QUALITY CONTROL REPORT SMI15000109.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
Pulp Duplicates																					
S192559	Drill Core	4.81	0.65	176.78	3.42	56.8	201	66.2	26.2	760	3.74	0.4	0.4	0.5	1.3	170.5	0.08	0.15	<0.02	132	4.96
REP S192559	QC		0.66	172.94	3.44	54.0	180	66.5	25.8	773	3.73	1.2	0.5	1.6	1.2	173.6	0.07	0.20	<0.02	131	4.90
S192594	Drill Core	5.03	0.56	136.00	3.38	70.0	128	61.8	24.6	790	4.06	1.0	0.3	1.6	0.9	202.3	0.10	0.04	0.04	142	4.11
REP S192594	QC		0.54	132.99	3.48	68.1	122	61.7	24.3	798	3.99	0.9	0.3	2.2	0.9	195.1	0.09	0.04	0.03	141	4.07
S192629	Drill Core	5.73	3.18	85.34	2.36	68.1	91	5.5	13.5	660	3.16	1.2	0.5	2.8	1.6	618.5	0.04	0.13	0.11	68	1.93
REP S192629	QC		3.12	84.72	2.30	65.8	97	5.7	13.8	671	3.13	1.0	0.5	2.4	1.6	605.9	0.05	0.12	0.10	68	1.91
S192664	Drill Core	3.20	0.71	7.35	9.70	85.2	79	5.7	5.3	582	2.49	2.6	1.4	5.0	8.4	250.4	0.07	0.17	0.18	34	2.45
REP S192664	QC		0.64	6.87	9.56	84.4	83	5.6	5.0	576	2.50	2.2	1.3	10.4	8.4	243.1	0.08	0.19	0.17	33	2.46
S192699	Drill Core	5.50	0.54	180.00	1.79	56.5	92	62.5	23.6	608	3.58	0.8	0.5	3.7	1.2	187.8	0.02	0.11	<0.02	128	2.84
REP S192699	QC		0.49	186.36	1.77	60.8	101	65.8	24.6	649	3.65	1.0	0.4	4.0	1.3	193.8	0.03	0.11	<0.02	130	2.91
Core Reject Duplicates																					
S192534	Drill Core	3.94	0.77	149.61	3.31	73.2	194	19.1	23.9	995	4.60	7.5	0.4	0.9	1.2	211.2	0.05	0.12	<0.02	194	5.25
DUP S192534	QC		0.79	159.08	3.43	74.0	222	18.8	23.4	960	4.66	6.6	0.4	<0.2	1.2	207.6	0.07	0.13	<0.02	195	5.15
S192568	Drill Core	6.02	1.05	146.66	3.80	39.8	100	59.8	20.2	628	2.54	1.2	0.6	2.8	1.1	210.5	0.06	0.14	<0.02	86	6.38
DUP S192568	QC		1.03	135.87	3.89	38.4	86	56.4	20.6	632	2.56	1.4	0.6	3.1	1.1	213.6	0.06	0.16	<0.02	87	6.17
S192602	Drill Core	4.08	0.25	13.38	6.95	80.5	55	8.7	5.2	659	2.33	0.5	0.4	<0.2	1.7	165.1	0.07	0.09	0.09	32	1.32
DUP S192602	QC		0.18	13.90	7.23	81.8	57	8.1	5.4	668	2.37	0.9	0.4	0.3	1.7	172.6	0.04	0.08	0.09	32	1.34
S192636	Drill Core	3.05	0.07	7.08	11.47	94.5	71	5.1	4.4	965	2.87	0.9	0.8	1.2	8.1	133.7	0.08	0.10	0.14	31	2.90
DUP S192636	QC		0.07	7.56	11.54	93.3	61	4.7	4.3	960	2.87	0.9	0.8	1.7	7.5	131.1	0.12	0.10	0.15	31	2.98
S192670	Drill Core	1.15	0.54	118.12	5.69	151.0	287	72.6	29.6	1716	4.78	16.4	1.1	3.3	1.9	584.9	0.13	0.36	0.27	72	10.21
DUP S192670	QC		0.54	122.35	5.97	155.6	307	74.4	29.9	1714	4.78	17.4	1.0	3.4	1.9	584.1	0.12	0.37	0.28	71	10.10
S192704	Drill Core	6.00	3.14	134.67	7.01	77.3	102	83.0	34.1	976	5.30	11.7	0.5	<0.2	1.6	295.1	0.24	0.63	0.05	194	7.23
DUP S192704	QC		3.03	124.73	7.17	75.3	88	77.5	31.8	913	5.12	11.5	0.5	<0.2	1.6	295.1	0.21	0.73	0.04	187	7.02
Reference Materials																					
STD DS10	Standard		15.89	160.97	164.18	402.6	1997	80.4	13.6	914	2.83	46.3	2.9	78.4	8.1	69.0	2.48	9.29	12.19	45	1.10
STD DS10	Standard		15.01	159.25	143.31	392.6	1944	76.3	13.1	908	2.71	46.3	2.5	67.7	7.2	65.1	2.60	8.48	12.12	47	1.09
STD DS10	Standard		14.24	154.30	140.91	391.4	1977	71.2	12.2	866	2.79	45.6	2.6	87.0	7.1	66.3	2.64	8.96	12.11	42	1.09
STD DS10	Standard		14.36	157.14	158.80	379.3	1884	75.7	12.7	945	2.80	44.8	2.8	81.0	7.8	68.2	2.45	8.38	12.79	48	1.11

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QUALITY CONTROL REPORT SMI15000109.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
Pulp Duplicates																					
S192559	Drill Core	0.217	5.1	160.8	2.16	400.8	0.195	2	2.30	0.055	1.87	0.2	4.3	0.11	0.08	24	0.3	0.08	6.7	1.91	0.1
REP S192559	QC	0.217	4.9	160.1	2.13	400.7	0.196	2	2.30	0.055	1.86	0.3	3.8	0.11	0.08	42	<0.1	0.08	6.8	1.99	0.2
S192594	Drill Core	0.221	3.6	158.7	2.89	986.7	0.231	2	3.00	0.085	2.48	0.2	4.4	0.13	0.02	11	0.2	<0.02	7.4	2.38	0.2
REP S192594	QC	0.211	3.6	156.2	2.82	964.3	0.228	2	2.93	0.089	2.41	0.3	4.1	0.12	0.02	11	<0.1	<0.02	7.4	2.29	0.2
S192629	Drill Core	0.157	6.5	8.2	1.00	86.0	0.199	7	2.34	0.132	1.31	0.3	3.7	0.18	0.09	20	<0.1	0.10	6.2	2.07	<0.1
REP S192629	QC	0.155	6.4	8.1	0.99	84.6	0.192	4	2.34	0.129	1.29	0.3	3.6	0.18	0.09	12	<0.1	0.10	6.1	1.95	0.1
S192664	Drill Core	0.079	18.6	9.8	0.80	49.5	0.056	2	1.93	0.070	0.44	0.1	2.3	0.23	0.14	14	<0.1	0.07	9.1	1.32	<0.1
REP S192664	QC	0.080	18.1	9.5	0.79	45.7	0.058	3	1.95	0.070	0.44	0.1	2.3	0.22	0.13	8	0.1	<0.02	8.8	1.29	<0.1
S192699	Drill Core	0.221	5.4	175.8	2.38	97.8	0.213	2	2.29	0.043	1.69	0.1	3.2	0.12	<0.02	<5	<0.1	<0.02	6.8	2.84	0.1
REP S192699	QC	0.228	5.5	181.4	2.44	102.0	0.214	2	2.39	0.045	1.70	0.1	3.4	0.11	<0.02	<5	<0.1	<0.02	7.0	2.97	<0.1
Core Reject Duplicates																					
S192534	Drill Core	0.172	4.9	38.2	1.71	558.5	0.305	<1	3.25	0.133	1.96	0.2	14.4	0.20	0.10	<5	<0.1	0.04	12.5	2.91	0.2
DUP S192534	QC	0.175	5.1	37.2	1.72	573.6	0.304	<1	3.28	0.140	1.95	0.2	14.0	0.19	0.10	18	0.2	<0.02	12.4	2.96	0.2
S192568	Drill Core	0.166	3.5	115.1	1.25	226.3	0.142	2	1.45	0.109	0.91	0.4	4.0	0.03	0.04	16	<0.1	<0.02	3.8	0.67	0.1
DUP S192568	QC	0.174	3.4	117.4	1.25	226.1	0.143	4	1.48	0.119	0.92	0.4	3.4	0.04	0.04	12	<0.1	0.04	4.1	0.75	0.2
S192602	Drill Core	0.090	6.4	13.8	0.74	87.4	0.131	3	1.44	0.059	0.77	0.2	2.3	0.27	0.09	<5	0.2	<0.02	6.6	0.96	<0.1
DUP S192602	QC	0.088	6.5	13.5	0.74	90.6	0.127	3	1.48	0.061	0.77	0.2	2.2	0.29	0.09	7	0.2	0.03	6.6	0.96	<0.1
S192636	Drill Core	0.108	16.9	8.0	0.80	106.6	0.074	1	1.99	0.087	0.66	0.1	3.9	0.27	0.10	17	<0.1	<0.02	7.9	1.48	<0.1
DUP S192636	QC	0.101	16.8	7.9	0.81	104.7	0.071	1	2.00	0.085	0.66	0.1	3.7	0.26	0.10	16	<0.1	0.05	7.7	1.47	<0.1
S192670	Drill Core	0.216	8.5	86.7	1.65	22.5	0.002	3	2.17	0.030	0.19	<0.1	11.5	0.07	0.39	17	<0.1	0.08	4.7	0.40	<0.1
DUP S192670	QC	0.209	8.6	88.7	1.65	23.4	0.003	1	2.17	0.030	0.20	<0.1	11.5	0.07	0.38	13	<0.1	0.09	4.6	0.40	<0.1
S192704	Drill Core	0.194	5.9	270.4	2.39	580.4	0.255	1	2.93	0.043	1.66	0.3	8.7	0.14	0.35	8	<0.1	<0.02	9.4	2.27	<0.1
DUP S192704	QC	0.192	6.0	247.0	2.32	553.1	0.243	1	2.86	0.044	1.61	0.3	8.3	0.14	0.36	6	<0.1	0.07	8.9	2.25	0.1
Reference Materials																					
STD DS10	Standard	0.073	18.2	58.8	0.79	386.8	0.087	5	1.08	0.073	0.35	3.1	2.7	5.28	0.28	341	2.7	5.35	4.3	2.67	<0.1
STD DS10	Standard	0.077	17.2	52.6	0.79	342.0	0.077	6	1.06	0.063	0.34	3.1	2.9	5.11	0.29	310	2.4	4.79	4.6	2.63	<0.1
STD DS10	Standard	0.078	18.1	51.6	0.79	351.3	0.077	7	1.08	0.068	0.34	3.2	3.0	5.07	0.27	280	2.2	4.83	4.5	2.66	<0.1
STD DS10	Standard	0.076	17.5	55.2	0.79	361.5	0.077	6	1.07	0.063	0.34	3.3	3.1	5.35	0.29	257	2.4	6.13	4.3	2.68	0.1

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Project: TRX15-01
Report Date: December 02, 2015

QUALITY CONTROL REPORT SMI15000109.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates															
S192559	Drill Core	0.12	0.02	37.6	0.2	<0.05	2.5	3.77	9.6	<0.02	<1	0.5	31.0	<10	8
REP S192559	QC	0.06	0.05	39.2	0.2	<0.05	2.6	4.05	9.6	<0.02	<1	0.7	29.9	<10	<2
S192594	Drill Core	0.10	0.17	45.4	0.1	<0.05	1.6	3.25	6.8	<0.02	<1	0.4	26.5	<10	3
REP S192594	QC	0.07	0.16	44.4	0.2	<0.05	1.4	3.11	6.8	<0.02	<1	0.5	26.2	19	5
S192629	Drill Core	0.08	0.14	75.3	0.3	<0.05	2.9	7.14	13.3	<0.02	<1	0.4	12.1	<10	3
REP S192629	QC	0.09	0.13	72.6	0.3	<0.05	3.2	7.19	12.6	<0.02	<1	0.4	12.5	<10	<2
S192664	Drill Core	0.18	0.17	31.1	0.7	<0.05	4.7	5.38	35.9	<0.02	3	0.7	19.2	<10	<2
REP S192664	QC	0.17	0.18	31.6	0.7	<0.05	4.3	5.26	34.9	<0.02	<1	0.8	18.6	<10	<2
S192699	Drill Core	0.07	0.03	53.5	0.2	<0.05	2.4	3.93	9.9	<0.02	<1	0.5	31.7	<10	5
REP S192699	QC	0.06	0.04	54.3	0.2	<0.05	2.0	4.01	10.1	<0.02	<1	0.3	31.9	<10	4
Core Reject Duplicates															
S192534	Drill Core	<0.02	0.11	53.5	0.5	<0.05	3.1	8.71	11.2	0.05	<1	0.2	28.7	<10	9
DUP S192534	QC	0.04	0.15	53.1	0.4	<0.05	2.5	9.16	11.0	0.03	<1	<0.1	29.5	<10	<2
S192568	Drill Core	0.11	0.13	18.1	0.2	<0.05	4.4	2.69	6.9	<0.02	<1	0.2	15.6	<10	8
DUP S192568	QC	0.21	0.07	18.7	0.1	<0.05	4.7	2.98	7.0	<0.02	<1	0.5	16.8	<10	<2
S192602	Drill Core	0.08	0.31	43.1	0.6	<0.05	1.3	4.72	13.0	<0.02	<1	0.3	14.8	<10	<2
DUP S192602	QC	0.07	0.28	43.3	0.6	<0.05	1.3	5.07	13.4	<0.02	<1	0.3	14.8	<10	<2
S192636	Drill Core	0.09	0.20	35.5	0.6	<0.05	3.4	10.66	33.8	<0.02	<1	0.9	15.4	<10	<2
DUP S192636	QC	0.11	0.20	34.7	0.7	<0.05	3.2	10.42	33.4	<0.02	<1	0.8	15.4	<10	<2
S192670	Drill Core	0.02	<0.02	7.2	<0.1	<0.05	0.9	10.25	15.4	0.03	<1	0.9	22.8	<10	8
DUP S192670	QC	<0.02	<0.02	7.3	<0.1	<0.05	0.9	10.34	14.9	0.04	1	0.8	22.4	<10	2
S192704	Drill Core	0.06	0.03	30.0	0.4	<0.05	1.8	7.18	11.6	<0.02	4	0.4	33.5	<10	4
DUP S192704	QC	0.06	0.03	29.4	0.3	<0.05	1.8	7.25	11.6	0.02	2	0.5	33.6	<10	6
Reference Materials															
STD DS10	Standard	<0.02	1.58	28.1	1.7	<0.05	2.5	8.31	38.3	0.23	39	0.6	20.3	109	194
STD DS10	Standard	0.06	1.56	28.1	1.7	<0.05	2.6	8.12	35.9	0.24	52	0.5	18.9	99	185
STD DS10	Standard	0.05	1.55	28.3	1.7	<0.05	2.6	7.69	37.8	0.23	53	0.6	20.1	110	174
STD DS10	Standard	0.04	1.59	28.9	1.7	<0.05	2.6	7.58	37.5	0.24	49	0.6	20.0	154	182

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Project: TRX15-01
Report Date: December 02, 2015

QUALITY CONTROL REPORT   SMI15000109.1

		WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
STD DS10	Standard		16.21	166.30	162.66	403.7	2060	80.9	13.9	929	2.88	45.8	3.1	76.8	9.0	77.6	2.66	10.27	13.57	48	1.14
STD DS10	Standard		16.59	166.66	160.01	402.2	1858	76.6	13.5	878	2.82	47.0	3.0	72.8	8.7	78.4	2.59	9.86	13.33	47	1.12
STD OXC129	Standard		1.33	28.47	7.07	42.7	18	86.5	21.7	454	3.14	0.6	0.8	205.1	1.9	197.2	<0.01	0.04	<0.02	57	0.69
STD OXC129	Standard		1.25	28.06	6.15	43.7	19	77.9	19.6	411	3.03	0.8	0.7	193.1	1.8	189.0	0.01	0.02	<0.02	57	0.67
STD OXC129	Standard		1.26	28.94	6.40	44.4	26	77.5	20.2	423	3.07	0.5	0.7	193.2	1.8	189.7	0.02	0.03	<0.02	50	0.70
STD OXC129	Standard		1.30	28.33	6.79	39.9	25	81.6	20.6	462	3.16	0.4	0.7	203.0	1.9	199.0	0.07	0.03	<0.02	59	0.70
STD OXC129	Standard		1.32	30.34	6.94	45.3	21	89.5	22.3	444	3.11	0.7	0.8	202.9	2.2	195.0	0.02	0.04	<0.02	56	0.73
STD OXC129	Standard		1.40	30.53	7.21	45.8	21	85.2	21.6	443	3.12	0.2	0.8	194.5	2.1	193.9	0.01	0.03	<0.02	56	0.73
STD DS10 Expected			15.1	154.61	150.55	370	2020	74.6	12.9	875	2.7188	46.2	2.59	91.9	7.5	67.1	2.62	9	11.65	43	1.0625
STD OXC129 Expected			1.3	28	6.3	42.9	28	79.5	20.3	421	3.065	0.6	0.72	195	1.9		0.03	0.04		51	0.665
BLK	Blank		<0.01	<0.01	<0.01	0.2	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	5	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	7	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	0.01	<0.01	<0.1	3	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	4	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
Prep Wash																					
ROCK-SMI	Prep Blank		0.74	6.16	1.38	38.3	10	2.2	4.4	525	1.98	1.3	0.4	0.4	2.3	35.8	0.04	<0.02	<0.02	29	0.74
ROCK-SMI	Prep Blank		0.84	4.29	1.22	38.4	23	1.9	4.3	516	1.89	1.0	0.4	<0.2	2.3	32.1	0.03	0.02	0.03	28	0.68

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Project: TRX15-01
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QUALITY CONTROL REPORT SMI15000109.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
STD DS10	Standard	0.077	18.7	58.8	0.80	368.9	0.096	7	1.11	0.065	0.35	3.3	3.3	5.12	0.28	276	2.2	4.99	4.6	2.73	<0.1
STD DS10	Standard	0.077	20.3	60.8	0.79	377.8	0.096	7	1.10	0.065	0.35	3.0	3.1	4.99	0.28	300	2.1	4.92	4.5	2.68	<0.1
STD OXC129	Standard	0.103	12.9	55.9	1.59	51.1	0.448	<1	1.63	0.612	0.38	<0.1	1.1	0.04	<0.02	<5	<0.1	<0.02	5.6	0.17	0.1
STD OXC129	Standard	0.104	12.7	49.9	1.57	48.6	0.407	2	1.59	0.571	0.37	<0.1	0.9	0.03	<0.02	<5	<0.1	<0.02	5.5	0.17	<0.1
STD OXC129	Standard	0.102	12.7	51.2	1.54	49.9	0.401	2	1.58	0.598	0.36	<0.1	0.9	0.04	<0.02	<5	<0.1	<0.02	5.8	0.16	<0.1
STD OXC129	Standard	0.102	12.4	52.8	1.58	48.4	0.417	<1	1.61	0.598	0.38	<0.1	1.1	0.04	<0.02	8	<0.1	0.11	5.1	0.16	0.2
STD OXC129	Standard	0.106	13.4	58.4	1.57	51.3	0.439	<1	1.62	0.574	0.36	<0.1	1.1	0.03	<0.02	<5	<0.1	<0.02	5.5	0.16	<0.1
STD OXC129	Standard	0.103	14.1	56.8	1.57	54.4	0.437	<1	1.63	0.580	0.36	<0.1	1.0	0.03	<0.02	<5	<0.1	<0.02	5.7	0.17	<0.1
STD DS10 Expected		0.0765	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	3	5.1	0.29	300	2.3	5.01	4.5	2.63	0.08
STD OXC129 Expected		0.102	13	52	1.545	50	0.4	1	1.58	0.6	0.37	0.08	1.1	0.03					5.6	0.16	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	0.1	<0.02	<0.02	21	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
Prep Wash																					
ROCK-SMI	Prep Blank	0.043	6.8	4.0	0.49	94.7	0.100	3	1.24	0.179	0.15	0.1	4.0	<0.02	<0.02	<5	0.1	0.07	4.8	0.15	<0.1
ROCK-SMI	Prep Blank	0.038	6.3	3.4	0.49	78.0	0.089	2	1.11	0.144	0.12	0.1	3.7	<0.02	<0.02	<5	<0.1	0.10	4.4	0.14	0.2

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Project: TRX15-01

Report Date: December 02, 2015

QUALITY CONTROL REPORT SMI15000109.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Hf	**Nb**	**Rb**	**Sn**	**Ta**	**Zr**	**Y**	**Ce**	**In**	**Re**	**Be**	**Li**	**Pd**	**Pt**
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
STD DS10	Standard	0.04	1.59	28.8	1.8	<0.05	2.4	8.86	39.7	0.24	51	0.7	21.5	109	195
STD DS10	Standard	0.05	1.69	28.1	1.7	<0.05	2.4	8.89	40.3	0.24	45	0.7	20.0	123	179
STD OXC129	Standard	0.27	1.58	16.0	0.8	<0.05	22.4	4.81	24.2	<0.02	<1	1.2	2.0	<10	6
STD OXC129	Standard	0.28	1.49	16.0	0.8	<0.05	21.8	4.78	23.2	<0.02	<1	0.9	2.2	<10	<2
STD OXC129	Standard	0.22	1.48	15.7	0.7	<0.05	22.1	4.70	23.3	<0.02	<1	1.2	2.5	21	<2
STD OXC129	Standard	0.19	1.28	16.3	0.6	<0.05	20.3	4.93	24.4	<0.02	<1	1.1	2.2	<10	<2
STD OXC129	Standard	0.23	1.42	15.5	0.8	<0.05	18.8	4.92	25.0	<0.02	<1	1.0	2.2	<10	<2
STD OXC129	Standard	0.21	1.41	14.8	0.7	<0.05	19.4	5.18	26.0	<0.02	<1	1.1	2.4	<10	<2
STD DS10 Expected		0.06	1.62	27.7	1.6		2.7	7.77	37	0.23	50	0.63	19.4	110	191
STD OXC129 Expected		0.24	1.4		0.7		21	4.7	23.7			0.8	2.22		
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
Prep Wash															
ROCK-SMI	Prep Blank	0.16	0.29	3.5	0.5	<0.05	5.4	8.70	13.5	<0.02	<1	0.1	2.5	<10	4
ROCK-SMI	Prep Blank	0.17	0.31	2.8	0.3	<0.05	4.0	7.89	12.6	<0.02	<1	<0.1	2.3	<10	<2

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Received:	November 12, 2015
Report Date:	December 02, 2015
Page:	1 of 5

CERTIFICATE OF ANALYSIS SMI15000112.1

CLIENT JOB INFORMATION

Project:	TRX15-01
Shipment ID:	TRX15-01_4
P.O. Number	TRX15-01_4
Number of Samples:	102

SAMPLE DISPOSAL

RTRN-PLP	Return
DISP-RJT	Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	97	Crush, split and pulverize 250 g rock to 200 mesh			SMI
SLBHP	2	Sort, label and box pulps			SMI
SPTRF	3	Split samples by riffle splitter			SMI
PUL85	3	Pulverize to 85% passing 200 mesh			VAN
AQ251_EXT	102	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Equity Exploration Consultants Ltd.
#1510 - 250 Howe St.
Vancouver BC V6C 3R8
CANADA

CC: Ron Voordouw
Michael Pond

BRITISH COLUMBIA CERTIFIED ASSAYER
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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS SMI15000112.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192721	Drill Core	1.89	2.01	144.45	10.77	86.9	293	38.6	22.4	809	5.00	2.4	0.5	2.6	2.1	144.4	0.38	1.73	1.11	192	4.52
S192722	Drill Core	1.54	0.10	4.97	9.11	62.6	25	3.5	3.8	569	2.40	4.0	1.6	2.2	8.5	134.6	0.12	0.30	0.04	20	2.09
S192723	Drill Core	1.78	1.86	145.33	13.38	73.9	345	51.5	26.6	778	5.22	66.3	0.3	<0.2	1.5	396.8	0.19	3.04	0.20	156	6.23
S192724	Drill Core	2.68	0.73	18.58	12.91	77.7	210	8.7	6.0	693	2.53	14.0	1.8	3.0	7.4	203.8	0.21	0.72	0.68	30	2.88
S192725 Dup of S192724	Core DUP	<0.01	0.57	19.94	12.95	77.7	183	8.6	5.6	676	2.59	14.8	1.8	2.5	7.4	189.0	0.19	0.65	0.72	33	2.83
S192726	Drill Core	2.90	4.06	126.86	14.93	78.3	477	31.9	20.9	1002	4.77	145.1	0.4	0.7	1.6	345.2	0.48	2.22	1.12	172	6.62
S192727	Drill Core	2.75	1.03	15.11	7.62	68.1	63	5.9	4.5	496	2.33	26.6	1.8	8.0	8.2	191.3	0.25	0.96	0.16	19	3.09
S192728	Drill Core	2.24	5.96	14.71	7.39	74.1	88	17.4	5.5	674	2.47	42.3	1.8	<0.2	7.5	176.7	0.19	1.39	0.13	39	2.97
S192729	Drill Core	5.16	0.09	6.76	11.13	82.0	39	3.9	3.9	689	2.51	5.0	2.0	3.1	9.2	166.6	0.09	0.28	0.09	25	2.06
S192730	Rock	0.75	0.18	0.29	0.13	0.3	5	0.7	0.2	15	0.07	<0.1	2.0	0.5	<0.1	3411.4	0.01	<0.02	<0.02	<2	34.77
S192731	Drill Core	5.00	1.27	8.20	9.22	79.2	56	7.2	4.1	662	2.54	3.1	1.8	1.0	8.1	152.7	0.08	0.24	0.13	28	2.30
S192732	Drill Core	4.90	0.07	8.02	10.56	79.2	35	3.1	3.7	655	2.49	3.0	1.9	5.4	8.6	178.9	0.07	0.36	0.05	23	2.51
S192733	Drill Core	4.92	0.06	5.64	6.75	38.1	36	2.6	3.3	596	1.86	57.8	1.8	7.5	8.2	208.0	0.09	0.65	0.05	9	3.37
S192734	Drill Core	2.68	0.14	26.82	9.34	25.1	63	3.7	3.8	628	2.14	79.4	1.7	10.9	8.8	239.9	0.06	0.92	0.10	9	3.31
S192735	Drill Core	7.73	1.40	183.18	9.83	76.4	196	27.8	21.7	1016	4.38	11.7	0.7	3.9	2.0	274.8	0.10	0.66	0.08	158	5.68
S192736	Drill Core	3.86	6.28	183.86	7.21	69.2	177	49.2	31.2	1020	4.73	8.0	0.9	1.2	2.1	190.1	0.05	0.26	0.06	190	5.75
S192737	Drill Core	6.02	7.19	197.75	6.27	70.9	108	49.9	32.3	1014	4.38	10.7	0.8	<0.2	1.9	194.9	0.11	0.21	0.03	170	5.50
S192738	Drill Core	4.77	8.02	197.78	5.61	64.0	154	54.3	31.9	1044	4.37	12.1	0.8	1.0	1.7	205.4	0.07	0.26	0.02	167	5.62
S192739	Drill Core	3.06	4.81	198.15	6.86	67.3	199	44.3	28.8	1070	4.47	16.1	0.9	<0.2	2.3	202.2	0.11	0.29	0.04	190	5.44
S192740	Drill Core	2.85	3.51	205.01	7.17	80.4	320	31.7	24.5	1042	4.67	11.2	0.7	4.8	2.2	189.9	0.10	0.20	0.04	179	4.05
S192741	Drill Core	2.79	2.49	214.79	3.51	71.9	300	31.0	24.3	957	4.17	25.4	1.0	3.9	2.8	278.6	0.10	0.37	0.11	188	4.54
S192742	Drill Core	3.90	1.44	14.22	7.75	69.2	78	5.5	4.4	901	2.98	5.0	1.3	0.6	9.7	153.6	0.10	0.32	0.03	33	2.87
S192743	Drill Core	4.08	0.11	12.13	12.42	79.4	135	5.9	4.7	946	3.08	7.5	1.2	10.7	6.5	161.5	0.11	0.38	<0.02	35	2.68
S192744	Drill Core	1.55	0.07	11.65	14.12	75.7	156	5.7	4.7	997	3.02	4.5	1.2	9.9	7.9	165.8	0.09	0.28	<0.02	31	2.85
S192745	Drill Core	1.68	0.05	7.34	11.02	72.7	71	6.1	4.6	996	3.04	4.2	1.2	5.4	8.0	179.2	0.19	0.25	<0.02	32	3.01
S192746	Drill Core	2.28	0.04	5.02	9.68	75.4	120	6.4	4.5	956	3.24	2.7	1.1	4.1	7.1	163.2	0.15	0.28	0.02	36	2.67
S192747	Drill Core	2.82	0.05	7.93	13.23	79.4	48	5.2	4.7	985	3.08	3.1	1.0	2.6	5.0	218.0	0.08	0.48	<0.02	35	2.50
S192748	Drill Core	3.12	1.21	63.84	3.64	61.3	104	11.0	16.9	1176	4.30	5.6	0.2	5.5	1.2	208.5	0.09	0.36	0.28	137	4.05
S192749	Drill Core	3.66	0.95	51.88	1.85	53.5	43	10.8	15.1	1022	4.00	2.3	0.2	0.7	0.7	216.7	0.04	0.38	<0.02	139	3.51
S192750	Drill Core	5.70	1.02	213.28	5.40	71.8	117	30.7	23.9	1025	4.56	6.7	0.8	0.3	2.3	250.9	0.12	0.38	0.02	183	4.37

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	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192721	Drill Core	0.202	9.3	115.3	1.39	135.0	0.108	<1	1.86	0.078	0.69	0.4	8.5	0.20	1.78	19	0.7	0.12	9.2	1.31	<0.1
S192722	Drill Core	0.069	18.6	5.3	0.55	73.2	0.035	<1	1.29	0.049	0.36	<0.1	2.4	0.18	0.08	17	<0.1	<0.02	6.7	0.88	0.1
S192723	Drill Core	0.201	6.4	138.0	1.61	127.8	0.077	2	2.05	0.053	0.66	0.3	8.7	0.16	1.92	31	0.7	0.08	8.4	1.34	<0.1
S192724	Drill Core	0.081	18.1	20.4	0.65	65.1	0.041	<1	1.35	0.046	0.45	0.1	2.9	0.25	0.27	28	0.2	<0.02	6.2	1.61	<0.1
S192725 Dup of S192724	Core DUP	0.086	17.9	23.4	0.66	68.9	0.041	<1	1.40	0.052	0.49	<0.1	3.4	0.25	0.28	14	<0.1	<0.02	6.6	1.63	0.1
S192726	Drill Core	0.207	7.3	96.7	1.83	74.8	0.037	<1	2.07	0.060	0.32	0.2	8.0	0.12	1.61	14	0.4	<0.02	9.0	0.68	0.2
S192727	Drill Core	0.067	16.4	8.5	0.61	37.2	0.006	1	1.21	0.035	0.27	<0.1	2.1	0.10	0.27	21	<0.1	<0.02	5.3	0.98	<0.1
S192728	Drill Core	0.076	24.3	9.1	0.59	60.1	0.035	1	1.36	0.045	0.42	0.2	3.2	0.26	0.21	17	0.3	<0.02	6.5	1.62	<0.1
S192729	Drill Core	0.068	24.2	5.8	0.58	84.7	0.068	<1	1.60	0.075	0.54	<0.1	2.9	0.37	0.03	12	0.3	<0.02	7.9	2.03	<0.1
S192730	Rock	0.003	<0.5	<0.5	1.30	4.5	0.003	<1	0.06	0.003	<0.01	<0.1	0.3	<0.02	0.10	<5	<0.1	0.14	0.1	<0.02	<0.1
S192731	Drill Core	0.070	18.7	6.4	0.58	68.5	0.086	2	1.59	0.088	0.58	0.2	3.7	0.36	0.12	31	0.3	<0.02	8.1	2.13	<0.1
S192732	Drill Core	0.068	19.5	4.9	0.56	47.0	0.057	<1	1.52	0.076	0.42	<0.1	3.0	0.24	0.14	36	<0.1	<0.02	7.8	1.49	<0.1
S192733	Drill Core	0.067	18.1	2.1	0.41	36.5	0.005	3	1.03	0.037	0.29	<0.1	1.6	0.10	0.19	12	<0.1	0.02	4.5	0.86	<0.1
S192734	Drill Core	0.072	15.6	2.2	0.56	31.2	0.003	4	1.12	0.035	0.31	<0.1	1.7	0.10	0.40	10	0.4	<0.02	3.9	0.83	<0.1
S192735	Drill Core	0.252	9.4	33.4	1.67	61.5	0.097	1	2.23	0.054	0.69	0.3	6.7	0.16	0.54	<5	<0.1	0.10	8.6	1.26	<0.1
S192736	Drill Core	0.266	9.5	49.9	1.89	64.5	0.195	<1	2.44	0.071	1.34	0.7	8.1	0.32	0.79	28	0.2	0.07	10.0	2.87	0.1
S192737	Drill Core	0.264	9.0	35.8	1.69	66.2	0.197	<1	2.42	0.094	1.38	0.3	5.8	0.22	0.59	16	0.2	<0.02	9.1	2.31	0.3
S192738	Drill Core	0.266	8.7	35.3	1.71	57.4	0.170	<1	2.30	0.063	1.23	0.2	5.9	0.20	0.43	22	<0.1	0.11	8.3	2.44	<0.1
S192739	Drill Core	0.268	11.3	36.0	1.73	46.6	0.144	<1	2.39	0.065	0.79	0.4	6.4	0.15	0.26	7	<0.1	<0.02	9.9	1.96	0.2
S192740	Drill Core	0.274	10.1	35.6	1.90	61.1	0.154	<1	2.70	0.054	1.09	0.3	6.1	0.19	0.09	<5	<0.1	0.04	9.7	2.80	0.4
S192741	Drill Core	0.279	10.4	35.7	1.52	44.1	0.047	<1	4.12	0.878	1.37	0.2	8.5	0.04	0.05	8	0.3	0.09	10.4	0.36	0.2
S192742	Drill Core	0.098	21.4	7.8	0.79	34.6	0.034	3	1.66	0.059	0.33	<0.1	4.3	0.10	0.08	8	0.2	<0.02	7.4	0.78	0.2
S192743	Drill Core	0.108	18.9	8.1	0.79	57.2	0.042	<1	1.71	0.062	0.33	<0.1	3.8	0.10	0.06	13	<0.1	0.08	8.2	1.04	<0.1
S192744	Drill Core	0.110	21.7	8.0	0.76	37.0	0.023	<1	1.67	0.048	0.30	<0.1	3.2	0.09	0.02	26	<0.1	0.16	7.8	1.08	<0.1
S192745	Drill Core	0.105	20.6	7.9	0.78	44.4	0.029	<1	1.78	0.056	0.36	<0.1	3.7	0.12	0.03	<5	0.1	<0.02	8.1	1.14	<0.1
S192746	Drill Core	0.112	18.8	8.3	0.84	59.8	0.046	2	1.89	0.064	0.41	<0.1	3.8	0.12	0.03	16	<0.1	0.25	8.2	1.17	<0.1
S192747	Drill Core	0.106	15.4	7.3	0.82	82.3	0.053	<1	1.87	0.050	0.51	<0.1	4.5	0.23	0.07	20	0.2	<0.02	8.5	1.79	<0.1
S192748	Drill Core	0.106	6.8	15.9	1.63	160.4	0.107	<1	2.48	0.062	0.65	0.2	8.4	0.12	0.06	33	0.3	<0.02	9.7	1.72	0.1
S192749	Drill Core	0.109	5.0	17.5	1.40	54.8	0.113	<1	2.25	0.074	0.47	0.1	9.3	0.10	0.07	34	<0.1	0.05	8.4	1.05	0.2
S192750	Drill Core	0.275	10.4	34.2	1.82	70.7	0.170	<1	2.69	0.068	1.56	<0.1	7.2	0.22	0.08	23	<0.1	<0.02	9.6	3.99	0.2

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	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192721	Drill Core	0.15	0.09	24.2	0.5	<0.05	3.6	7.86	17.4	0.02	5	0.5	21.2	<10	10
S192722	Drill Core	0.35	0.37	20.5	0.3	<0.05	10.9	6.52	37.3	<0.02	<1	0.2	11.8	<10	<2
S192723	Drill Core	0.04	0.05	24.1	0.3	<0.05	2.2	9.00	12.5	0.04	1	0.9	22.7	20	<2
S192724	Drill Core	0.34	0.26	26.4	0.4	<0.05	10.0	7.04	35.4	0.02	<1	0.6	13.4	<10	6
S192725 Dup of S192724	Core DUP	0.45	0.30	27.7	0.5	<0.05	10.7	7.16	35.5	<0.02	3	0.2	13.4	<10	<2
S192726	Drill Core	0.10	0.03	13.6	0.2	<0.05	2.6	8.81	14.2	<0.02	3	0.6	29.1	<10	<2
S192727	Drill Core	0.24	0.05	13.2	0.4	<0.05	7.9	6.49	33.2	<0.02	<1	0.6	15.0	<10	<2
S192728	Drill Core	0.25	0.24	26.3	0.5	<0.05	9.1	9.19	47.7	<0.02	13	0.7	14.2	<10	<2
S192729	Drill Core	0.37	0.57	40.4	0.7	<0.05	10.6	7.76	47.0	0.04	<1	0.6	16.5	<10	<2
S192730	Rock	<0.02	0.04	0.2	<0.1	<0.05	0.3	0.13	0.2	<0.02	3	<0.1	0.7	<10	<2
S192731	Drill Core	0.34	0.60	43.2	1.2	<0.05	10.9	6.55	36.2	0.03	<1	0.5	18.0	<10	<2
S192732	Drill Core	0.38	0.46	27.2	0.8	<0.05	9.5	7.66	39.2	<0.02	<1	0.4	15.8	<10	10
S192733	Drill Core	0.19	0.10	13.5	0.3	<0.05	7.4	7.33	35.9	0.02	<1	0.9	9.9	<10	6
S192734	Drill Core	0.13	0.05	14.1	0.2	<0.05	5.8	7.10	30.9	<0.02	<1	0.5	10.0	<10	4
S192735	Drill Core	0.06	0.10	26.6	0.3	<0.05	3.7	8.44	18.5	0.02	<1	0.4	27.0	16	2
S192736	Drill Core	0.05	0.12	59.9	0.2	<0.05	2.8	7.76	18.8	0.04	2	0.5	29.0	18	<2
S192737	Drill Core	0.13	0.13	63.7	0.2	<0.05	4.1	7.16	17.1	<0.02	1	0.3	26.4	<10	<2
S192738	Drill Core	0.06	0.12	60.1	0.3	<0.05	2.2	6.61	17.2	<0.02	6	0.1	21.1	<10	<2
S192739	Drill Core	0.08	0.12	38.2	0.4	<0.05	1.6	7.07	20.4	0.02	3	0.5	19.5	14	<2
S192740	Drill Core	0.08	0.07	53.7	0.2	<0.05	1.6	7.54	20.4	<0.02	<1	0.7	20.1	14	5
S192741	Drill Core	0.06	0.13	8.7	0.1	<0.05	6.4	9.17	20.1	0.03	1	0.3	32.1	<10	<2
S192742	Drill Core	0.09	0.12	16.4	0.4	<0.05	4.0	12.64	42.3	0.03	<1	0.8	16.3	<10	12
S192743	Drill Core	0.08	0.15	17.7	0.4	<0.05	2.5	12.64	37.7	<0.02	<1	0.3	16.7	27	<2
S192744	Drill Core	0.10	0.10	16.1	0.2	<0.05	3.5	13.17	44.8	0.03	<1	0.4	19.3	<10	<2
S192745	Drill Core	0.16	0.10	19.8	0.3	<0.05	4.1	13.60	42.6	<0.02	<1	0.6	18.1	<10	<2
S192746	Drill Core	0.05	0.17	20.6	0.5	<0.05	3.3	12.49	38.1	0.03	<1	0.6	21.0	<10	<2
S192747	Drill Core	0.02	0.15	29.1	0.5	<0.05	1.7	12.08	30.9	0.02	<1	0.7	19.5	<10	<2
S192748	Drill Core	0.04	0.03	23.8	0.3	<0.05	1.6	9.13	14.3	0.03	<1	0.8	31.4	<10	<2
S192749	Drill Core	0.07	0.03	21.1	0.4	<0.05	2.3	8.66	11.0	<0.02	<1	0.2	28.7	12	<2
S192750	Drill Core	0.10	0.04	82.6	0.2	<0.05	2.4	7.66	20.6	<0.02	4	0.7	33.7	<10	7

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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS SMI15000112.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192751	Drill Core	4.58	1.64	246.17	6.16	75.6	127	33.1	26.5	1105	4.67	9.2	1.2	<0.2	2.1	193.2	0.12	0.25	<0.02	202	4.76
S192752	Drill Core	3.99	1.15	210.44	7.31	78.6	148	35.1	26.6	1075	4.72	13.5	1.4	0.3	2.3	203.2	0.07	0.42	<0.02	204	4.80
S192753	Drill Core	4.56	1.10	202.20	6.95	71.0	115	27.4	22.3	1064	4.56	11.5	0.8	<0.2	2.4	281.0	0.10	0.73	0.02	173	5.06
S192754	Drill Core	3.04	1.99	187.80	8.48	67.2	123	39.5	25.4	1058	4.64	11.3	0.8	2.6	2.2	250.6	0.04	0.44	0.04	184	4.77
S192755	Drill Core	3.24	1.58	187.74	5.14	69.8	205	38.5	25.1	989	4.12	9.4	0.7	5.0	2.1	243.2	0.11	0.27	0.03	150	5.08
S192756	Drill Core	3.11	2.01	189.10	6.13	70.7	99	42.0	26.1	1185	4.62	7.3	0.7	0.4	2.2	261.1	0.02	0.18	0.08	191	4.95
S192757	Drill Core	2.05	1.95	73.13	5.17	81.8	70	30.2	26.7	1104	5.53	16.4	0.3	3.5	1.4	337.6	0.07	1.16	0.04	195	5.37
S192758	Drill Core	2.16	2.05	81.00	4.05	78.0	63	27.3	28.2	1186	6.04	21.2	0.3	<0.2	1.4	355.7	0.10	1.39	0.03	200	5.65
S192759	Drill Core	4.56	1.36	194.68	8.20	73.1	114	38.4	26.2	1163	4.76	22.6	0.9	<0.2	2.3	289.0	0.04	0.96	0.03	197	5.78
S192760	Rock Pulp	0.11	294.30	2509.94	84.97	474.8	2888	15.9	11.9	852	4.58	27.8	0.7	326.1	3.5	55.6	2.00	1.58	1.17	40	0.86
S192761	Drill Core	2.76	0.54	25.53	12.98	77.3	84	10.3	7.5	985	3.08	7.7	1.1	<0.2	7.0	229.6	0.16	0.49	0.32	51	3.24
S192762	Drill Core	2.64	0.35	17.57	9.36	79.3	46	6.7	4.9	978	3.15	1.9	1.1	<0.2	7.1	132.9	0.18	0.28	0.15	51	2.48
S192763	Drill Core	3.14	1.25	185.89	7.62	72.1	90	32.8	24.1	1193	4.73	4.4	0.6	1.9	2.3	198.5	0.11	0.13	0.07	203	4.29
S192764	Drill Core	5.19	0.10	7.35	8.13	87.1	42	6.3	4.5	997	3.07	<0.1	0.7	0.7	4.7	213.0	0.08	0.14	0.13	48	1.74
S192765 Dup of S192764	Core DUP	<0.01	0.17	8.51	8.18	88.2	34	6.9	4.8	984	3.13	<0.1	0.8	2.4	4.9	216.6	0.08	0.14	0.15	49	1.77
S192766	Drill Core	4.13	0.11	7.40	9.98	91.0	16	7.1	4.7	967	2.99	0.4	0.7	1.3	2.8	135.9	0.04	0.17	0.07	44	1.62
S192767	Drill Core	3.80	0.09	6.67	9.64	80.0	45	7.4	4.5	925	2.89	0.4	0.8	0.2	2.6	121.6	0.09	0.23	0.12	38	1.36
S192768	Drill Core	5.69	6.02	175.90	9.32	88.2	161	42.1	28.6	1181	4.74	11.1	0.5	<0.2	1.7	184.3	0.13	0.55	0.06	192	5.14
S192769	Drill Core	5.40	2.70	200.53	7.59	72.7	158	27.4	23.2	1204	4.65	6.2	0.7	2.6	2.5	275.5	0.11	0.41	0.03	192	5.45
S192770	Rock	0.74	0.04	0.80	0.16	0.7	<2	0.2	<0.1	20	0.04	<0.1	1.5	<0.2	<0.1	3610.2	<0.01	<0.02	<0.02	<2	32.98
S192771	Drill Core	4.45	0.17	10.45	19.82	80.2	124	5.6	4.8	976	2.95	3.0	1.3	7.3	8.2	269.7	0.15	0.47	0.13	37	2.90
S192772	Drill Core	1.85	0.93	208.17	6.82	71.8	167	19.8	22.4	1058	4.67	3.0	0.6	5.5	2.4	236.7	0.03	0.19	0.03	174	3.87
S192773	Drill Core	2.94	0.26	15.14	10.23	75.1	96	6.7	5.1	962	2.98	1.2	0.8	8.7	4.9	239.6	0.10	0.31	0.08	47	3.01
S192774	Drill Core	0.51	0.28	17.62	13.98	73.2	150	5.2	3.8	1043	2.83	11.5	1.2	25.7	7.4	317.4	0.13	1.17	0.11	36	4.83
S192775	Drill Core	3.48	0.90	149.60	8.78	75.2	149	19.7	18.0	1110	4.47	9.1	0.9	3.2	3.1	374.3	0.11	0.72	0.08	163	4.99
S192776	Drill Core	3.11	1.62	116.54	8.90	80.7	196	88.0	34.9	1291	6.22	51.2	0.5	<0.2	1.7	372.9	0.18	3.50	0.05	256	5.84
S192777	Drill Core	3.75	1.78	109.99	5.28	58.2	137	88.5	33.9	776	4.79	1.6	0.4	2.3	1.3	124.3	0.13	0.22	0.05	169	4.24
S192778	Drill Core	2.20	2.24	134.38	7.93	51.6	230	74.3	30.8	594	4.82	0.3	0.5	2.0	1.8	99.4	0.23	0.33	0.06	156	3.35
S192779	Drill Core	6.16	0.39	99.66	4.57	48.6	117	91.4	33.6	721	4.03	7.0	0.3	0.8	0.9	87.3	0.09	0.12	0.03	110	3.64
S192780	Drill Core	2.55	1.83	138.01	5.37	70.8	123	66.2	30.9	811	5.17	5.6	0.4	5.5	1.2	86.5	0.05	0.12	0.05	197	3.18

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Project: TRX15-01
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CERTIFICATE OF ANALYSIS SMI15000112.1

Method		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
MDL		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192751	Drill Core	0.275	8.7	38.6	1.76	163.0	0.212	<1	2.79	0.084	1.99	0.2	8.2	0.24	0.08	14	<0.1	0.06	9.7	4.59	0.1
S192752	Drill Core	0.287	10.2	39.7	1.81	126.9	0.188	<1	2.78	0.082	1.64	0.3	7.5	0.15	0.08	8	<0.1	<0.02	10.2	3.75	<0.1
S192753	Drill Core	0.283	12.0	34.6	1.78	65.0	0.149	2	2.69	0.045	1.41	0.2	5.4	0.16	0.07	31	<0.1	<0.02	9.9	3.30	0.1
S192754	Drill Core	0.283	10.8	36.5	1.81	60.4	0.158	3	2.59	0.042	1.36	0.1	6.6	0.12	0.07	69	0.2	<0.02	8.8	2.33	0.1
S192755	Drill Core	0.271	9.6	31.2	1.54	58.9	0.171	<1	2.38	0.034	1.48	0.2	5.4	0.10	0.06	53	0.3	0.16	7.9	2.13	0.1
S192756	Drill Core	0.279	10.9	33.9	1.84	105.5	0.190	<1	2.80	0.058	1.82	0.1	6.2	0.19	0.03	21	0.2	0.02	9.4	2.34	<0.1
S192757	Drill Core	0.137	7.4	85.7	1.94	55.5	0.093	1	2.70	0.075	0.37	<0.1	16.0	0.09	0.30	53	0.2	0.13	11.4	0.95	<0.1
S192758	Drill Core	0.151	8.7	94.3	2.24	60.4	0.089	1	2.96	0.066	0.49	<0.1	16.3	0.07	0.43	117	0.4	0.13	12.3	1.35	0.1
S192759	Drill Core	0.268	13.2	43.9	1.77	70.2	0.114	1	2.71	0.029	1.10	0.2	7.3	0.10	0.07	37	0.3	<0.02	10.6	2.33	<0.1
S192760	Rock Pulp	0.066	4.8	22.9	0.61	62.6	0.043	2	1.78	0.055	0.32	1.3	2.7	0.29	2.20	70	4.2	0.85	5.1	3.88	0.2
S192761	Drill Core	0.093	21.7	12.9	0.90	15.8	0.007	2	1.74	0.039	0.26	<0.1	4.2	0.05	0.12	25	<0.1	<0.02	9.4	1.81	<0.1
S192762	Drill Core	0.099	16.9	11.2	0.83	33.8	0.039	<1	1.62	0.057	0.34	<0.1	4.3	0.07	0.09	<5	0.3	0.04	9.6	0.69	<0.1
S192763	Drill Core	0.276	10.1	35.8	1.85	177.9	0.216	2	2.96	0.076	1.77	0.1	7.2	0.23	0.02	10	0.4	0.08	9.8	2.00	0.4
S192764	Drill Core	0.096	9.4	11.1	0.76	144.0	0.173	<1	2.13	0.161	1.15	0.1	7.4	0.44	0.07	13	0.4	<0.02	10.6	2.34	0.1
S192765 Dup of S192764	Core DUP	0.097	9.2	11.0	0.77	141.2	0.181	1	2.15	0.161	1.14	0.2	7.8	0.47	0.07	<5	0.2	0.08	10.5	2.33	0.2
S192766	Drill Core	0.093	9.2	11.0	0.77	76.2	0.153	2	1.82	0.100	0.87	0.1	5.8	0.35	0.08	8	0.4	0.11	9.7	1.43	0.1
S192767	Drill Core	0.094	9.3	10.6	0.77	55.6	0.143	2	1.73	0.094	0.59	0.2	4.4	0.19	0.08	22	0.2	<0.02	9.3	0.86	0.2
S192768	Drill Core	0.237	8.5	45.5	1.65	219.5	0.190	<1	2.45	0.072	1.17	0.3	7.7	0.10	0.24	23	0.4	0.10	10.2	1.22	0.2
S192769	Drill Core	0.275	11.5	37.1	1.65	81.6	0.148	2	2.61	0.042	1.26	0.1	6.3	0.09	0.09	18	0.4	0.10	10.6	2.07	0.1
S192770	Rock	0.004	<0.5	0.6	1.11	7.6	0.002	<1	0.04	0.005	<0.01	<0.1	0.3	<0.02	<0.02	<5	0.2	0.19	<0.1	<0.02	<0.1
S192771	Drill Core	0.093	24.1	9.1	0.72	38.9	0.020	2	1.71	0.045	0.42	0.1	3.5	0.14	0.08	6	0.1	0.16	8.5	1.97	<0.1
S192772	Drill Core	0.271	11.2	36.0	1.75	132.4	0.226	2	2.81	0.058	1.89	0.2	5.3	0.23	0.06	14	0.7	<0.02	8.8	3.92	0.2
S192773	Drill Core	0.098	11.7	11.1	0.74	77.4	0.128	<1	1.96	0.117	0.81	0.1	5.5	0.33	0.13	6	0.3	0.05	9.3	1.68	0.1
S192774	Drill Core	0.084	24.7	8.9	0.70	36.8	0.020	2	1.62	0.048	0.35	<0.1	3.0	0.14	0.17	42	0.4	0.05	8.4	1.52	<0.1
S192775	Drill Core	0.202	13.9	39.1	1.70	56.3	0.059	1	2.45	0.040	0.50	0.2	8.9	0.11	0.19	45	0.4	0.05	10.4	2.30	<0.1
S192776	Drill Core	0.179	9.8	285.9	3.56	160.4	0.151	1	3.37	0.048	0.79	0.3	18.6	0.13	0.74	37	0.5	<0.02	14.5	4.01	0.2
S192777	Drill Core	0.188	6.3	235.1	2.22	370.2	0.259	6	2.51	0.081	1.86	0.2	7.0	0.25	0.70	12	0.3	0.16	9.6	3.27	0.3
S192778	Drill Core	0.209	7.1	182.9	1.67	162.6	0.213	2	1.82	0.098	0.78	0.3	5.2	0.10	1.52	<5	0.4	<0.02	8.0	1.34	0.1
S192779	Drill Core	0.157	4.1	212.0	1.96	466.4	0.230	<1	2.16	0.093	1.15	0.2	5.0	0.12	0.54	7	0.3	<0.02	8.2	1.61	0.2
S192780	Drill Core	0.187	4.8	199.2	2.41	557.3	0.298	1	3.01	0.093	2.41	0.2	4.2	0.24	0.47	7	0.6	<0.02	11.1	3.10	0.1

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	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192751	Drill Core	0.08	0.07	86.1	0.3	<0.05	2.4	7.32	16.1	<0.02	<1	0.4	30.6	<10	<2
S192752	Drill Core	0.09	0.06	67.3	0.3	<0.05	2.6	7.88	19.8	<0.02	<1	0.8	34.6	22	<2
S192753	Drill Core	0.07	0.05	62.2	0.3	<0.05	1.7	8.84	22.8	<0.02	1	0.8	35.5	<10	<2
S192754	Drill Core	0.10	0.03	57.0	0.2	<0.05	2.3	7.82	20.9	0.03	4	0.7	36.4	<10	<2
S192755	Drill Core	0.08	0.04	61.3	0.2	<0.05	2.2	6.72	18.3	<0.02	4	0.3	33.6	17	9
S192756	Drill Core	0.06	0.06	69.1	0.5	<0.05	1.7	8.40	20.7	0.03	<1	0.6	34.5	<10	4
S192757	Drill Core	0.13	0.09	15.2	0.4	<0.05	2.3	11.77	15.6	0.06	6	0.6	50.1	<10	5
S192758	Drill Core	0.22	0.04	17.4	0.4	<0.05	3.9	13.31	18.6	0.04	2	1.3	65.2	22	6
S192759	Drill Core	<0.02	0.02	46.0	0.3	<0.05	1.8	10.37	24.0	0.03	4	0.3	35.2	<10	9
S192760	Rock Pulp	<0.02	0.16	15.1	0.6	<0.05	0.9	4.89	9.6	0.09	247	0.1	17.5	<10	5
S192761	Drill Core	0.05	0.04	15.1	0.5	<0.05	1.7	10.78	43.5	0.05	<1	0.3	27.8	<10	<2
S192762	Drill Core	0.13	0.09	16.8	0.2	<0.05	3.1	10.38	34.8	0.04	<1	0.3	23.8	<10	<2
S192763	Drill Core	0.05	0.18	63.2	0.3	<0.05	1.6	7.76	19.7	0.03	2	0.1	39.7	<10	<2
S192764	Drill Core	0.06	0.51	72.6	1.3	<0.05	2.9	9.75	18.4	0.02	<1	0.3	29.5	12	3
S192765 Dup of S192764	Core DUP	0.09	0.56	75.2	1.4	<0.05	3.2	9.80	19.2	<0.02	<1	0.3	28.1	<10	<2
S192766	Drill Core	0.07	0.33	55.8	1.1	<0.05	2.0	9.37	19.0	0.03	10	0.3	24.0	<10	<2
S192767	Drill Core	0.04	0.35	33.4	1.0	<0.05	1.2	8.74	19.9	<0.02	2	0.3	21.7	<10	3
S192768	Drill Core	0.04	0.08	38.7	0.4	<0.05	2.2	8.62	16.4	0.04	2	0.3	34.4	<10	<2
S192769	Drill Core	0.06	0.04	47.0	0.3	<0.05	1.8	9.11	22.6	<0.02	2	0.3	35.6	27	2
S192770	Rock	<0.02	0.04	0.2	<0.1	<0.05	0.1	0.22	0.2	<0.02	2	<0.1	0.4	<10	<2
S192771	Drill Core	0.13	0.06	23.2	0.9	<0.05	3.2	13.97	48.1	0.03	2	1.0	24.0	<10	3
S192772	Drill Core	0.10	0.05	72.2	0.3	<0.05	2.0	8.82	22.2	<0.02	<1	0.6	30.5	17	7
S192773	Drill Core	0.20	0.31	48.1	1.1	<0.05	3.3	11.58	23.7	0.02	4	0.3	21.2	<10	<2
S192774	Drill Core	0.09	0.06	20.1	0.7	<0.05	3.2	14.31	45.0	<0.02	2	1.0	24.9	23	2
S192775	Drill Core	0.07	0.04	24.7	0.8	<0.05	1.9	11.47	28.0	<0.02	4	0.7	39.7	20	6
S192776	Drill Core	0.08	0.04	17.0	0.6	<0.05	2.8	10.95	18.5	0.02	6	0.5	55.5	17	9
S192777	Drill Core	0.23	0.16	43.4	0.3	<0.05	2.5	6.86	11.8	0.04	<1	0.5	21.6	<10	7
S192778	Drill Core	0.17	0.14	15.3	0.3	<0.05	3.6	7.41	14.2	<0.02	4	0.3	18.6	17	11
S192779	Drill Core	0.14	0.15	24.1	0.3	<0.05	2.9	5.96	8.7	<0.02	4	0.4	26.6	<10	10
S192780	Drill Core	0.08	0.13	50.5	0.4	<0.05	2.4	6.49	9.8	<0.02	2	0.3	26.8	17	9

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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS SMI15000112.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192781	Drill Core	6.90	1.41	179.87	5.49	58.8	124	46.6	27.6	979	5.26	4.3	0.5	2.9	1.8	232.3	0.05	0.38	0.04	190	4.72
S192782	Drill Core	6.03	1.12	212.83	6.45	68.9	135	24.2	22.4	978	4.77	1.3	0.8	1.8	2.3	159.2	0.05	0.06	0.03	220	3.81
S192783	Drill Core	7.23	1.98	196.41	6.47	74.9	76	23.4	22.5	1005	4.87	4.4	0.7	4.6	2.1	174.9	0.05	0.06	0.03	234	3.94
S192784	Drill Core	3.01	1.19	214.64	6.74	74.8	108	24.2	21.7	1053	4.92	3.3	0.6	3.6	2.0	164.9	0.09	0.04	0.02	233	3.47
S192785	Drill Core	3.73	1.16	220.97	6.46	73.4	136	23.3	22.9	1071	4.99	3.2	0.6	2.4	2.1	171.1	0.10	0.04	0.03	236	3.58
S192786	Drill Core	7.08	1.91	217.60	7.21	75.2	161	25.0	23.0	1006	4.87	3.5	0.6	1.8	2.0	166.9	0.07	0.05	0.03	231	3.59
S192787	Drill Core	7.46	0.92	209.13	10.71	75.7	200	23.9	21.7	1005	4.72	2.8	0.6	1.4	2.1	175.6	0.07	0.06	0.03	230	3.63
S192788	Drill Core	7.33	0.91	224.08	8.13	75.7	349	21.9	21.8	1071	4.91	5.8	0.6	9.3	2.3	240.1	0.13	0.09	0.03	242	3.43
S192789	Drill Core	7.35	0.49	212.58	7.74	78.2	232	24.8	22.6	955	4.65	3.8	0.6	5.4	2.2	166.9	0.09	0.09	0.06	215	3.97
S192790	Drill Core	7.22	1.01	208.55	8.43	82.6	233	23.1	22.6	992	4.68	3.9	0.5	14.8	2.2	150.2	0.11	0.08	0.05	218	3.84
S192791	Drill Core	7.81	0.76	207.85	9.50	81.9	180	23.7	21.5	957	4.64	3.4	0.5	5.3	2.2	163.0	0.10	0.08	0.06	222	3.76
S192792	Drill Core	7.29	0.71	225.24	5.85	73.9	158	22.3	20.9	982	4.61	3.6	0.5	1.0	2.1	158.5	0.05	0.12	0.04	222	3.62
S192793	Drill Core	7.71	0.78	246.12	6.55	78.9	155	23.0	21.7	955	4.74	3.5	0.5	3.0	2.3	152.3	0.10	0.11	0.05	226	3.95
S192794	Drill Core	7.00	0.29	210.08	6.00	74.6	138	20.4	21.0	986	4.63	2.0	0.4	1.5	2.3	182.9	0.06	0.11	0.03	223	3.93
S192795	Drill Core	6.93	0.40	228.70	9.81	83.6	174	21.7	21.6	978	4.70	1.9	0.5	2.8	2.2	177.1	0.10	0.12	0.05	221	3.64
S192796	Drill Core	7.15	0.48	213.95	7.20	80.9	241	21.2	22.0	956	4.69	2.9	0.5	20.2	2.3	184.1	0.14	0.07	0.04	229	3.27
S192797	Drill Core	8.21	0.41	215.92	6.26	79.7	214	21.7	21.6	981	4.67	4.0	0.5	6.1	2.2	168.7	0.09	0.05	0.02	230	3.62
S192798	Drill Core	6.59	0.41	204.61	6.10	77.0	190	21.1	21.0	981	4.62	2.2	0.5	4.4	2.2	195.9	0.13	0.05	0.03	228	3.63
S192799	Drill Core	4.98	0.42	200.21	7.72	86.8	157	21.8	21.3	992	4.61	4.0	0.5	2.8	2.2	172.4	0.13	0.08	0.04	225	4.11
S192800	Rock Pulp	0.12	251.49	4788.71	4.08	51.8	660	34.2	11.3	504	3.70	6.0	0.3	453.9	0.9	41.9	0.18	0.78	0.12	66	0.90
S192801	Drill Core	10.11	0.68	239.58	6.84	83.3	225	21.7	22.5	997	4.83	5.0	0.5	13.9	2.2	196.8	0.11	0.19	0.05	233	3.55
S192802	Drill Core	6.61	0.56	210.10	5.78	69.7	500	18.8	19.4	1011	4.56	1.3	0.4	57.4	2.1	225.3	0.23	0.14	0.08	216	4.33
S192803	Drill Core	3.52	0.31	210.23	4.31	74.2	269	19.7	20.8	1000	4.72	1.4	0.5	10.9	2.2	181.1	0.10	0.09	0.02	220	3.80
S192804	Drill Core	3.21	0.35	243.50	5.35	76.6	221	19.9	21.5	963	4.66	2.2	0.6	4.8	2.1	170.0	0.09	0.10	<0.02	202	3.43
S192805 Dup of S192804	Core DUP	<0.01	0.32	248.67	5.38	77.5	217	21.7	21.5	954	4.70	2.1	0.6	4.8	2.1	173.0	0.09	0.11	0.02	203	3.45
S192806	Drill Core	6.85	0.66	206.83	5.39	76.0	235	21.2	20.6	988	4.52	3.1	0.5	18.4	2.1	197.7	0.07	0.13	0.03	203	3.77
S192807	Drill Core	4.76	0.56	221.39	4.99	77.9	247	20.1	20.6	965	4.65	1.3	0.5	9.3	2.2	174.8	0.12	0.14	0.02	223	3.50
S192808	Drill Core	5.54	0.28	206.03	3.93	74.6	321	19.8	20.2	996	4.59	1.0	0.4	27.2	2.2	165.8	0.14	0.08	0.04	220	3.79
S192809	Drill Core	5.65	0.84	208.96	41.23	69.9	774	21.8	19.9	1034	4.55	2.2	0.4	52.3	1.7	393.0	0.38	0.36	0.45	204	5.31
S192810	Rock	0.79	0.01	1.23	0.05	<0.1	13	1.1	0.1	18	0.03	0.5	1.4	0.8	<0.1	3224.4	<0.01	<0.02	<0.02	<2	32.87

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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS SMI15000112.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192781	Drill Core	0.237	7.8	117.2	1.91	124.9	0.181	2	2.26	0.066	1.28	0.3	7.3	0.14	0.83	15	0.5	<0.02	10.3	1.47	0.2
S192782	Drill Core	0.284	9.1	43.5	1.56	151.4	0.227	<1	2.66	0.110	1.72	0.2	8.7	0.10	0.22	16	0.2	<0.02	9.8	0.87	0.3
S192783	Drill Core	0.260	7.2	43.4	1.65	269.2	0.244	1	2.90	0.138	2.21	0.2	9.8	0.09	0.11	<5	<0.1	<0.02	11.5	0.80	0.3
S192784	Drill Core	0.268	7.3	42.5	1.70	210.6	0.258	<1	2.95	0.121	2.44	0.1	9.2	0.14	0.16	34	0.2	<0.02	10.7	1.12	0.3
S192785	Drill Core	0.277	7.1	41.0	1.72	217.7	0.256	1	3.04	0.121	2.45	0.2	9.7	0.13	0.17	10	0.2	<0.02	12.0	1.10	0.3
S192786	Drill Core	0.265	7.0	42.5	1.66	224.6	0.248	1	2.89	0.132	2.24	0.2	9.8	0.11	0.20	10	0.3	<0.02	11.2	0.77	0.1
S192787	Drill Core	0.272	7.1	41.1	1.62	163.6	0.246	2	2.88	0.133	2.29	0.3	9.9	0.15	0.20	18	0.1	<0.02	10.3	0.74	0.2
S192788	Drill Core	0.269	8.1	44.4	1.71	195.8	0.273	<1	3.10	0.151	2.49	0.3	11.6	0.19	0.19	<5	<0.1	<0.02	10.8	1.42	0.3
S192789	Drill Core	0.295	8.5	42.5	1.69	139.5	0.229	2	2.85	0.136	1.78	0.2	9.1	0.14	0.15	8	<0.1	<0.02	10.6	1.12	0.2
S192790	Drill Core	0.300	7.6	44.5	1.70	110.2	0.205	2	2.78	0.125	1.51	0.3	8.2	0.11	0.16	<5	<0.1	0.05	11.1	1.00	0.2
S192791	Drill Core	0.278	7.9	43.6	1.70	165.2	0.241	3	2.90	0.134	1.96	0.2	9.4	0.14	0.14	8	<0.1	0.07	11.2	1.46	0.2
S192792	Drill Core	0.289	7.5	41.0	1.65	230.2	0.246	2	2.95	0.147	2.14	0.2	8.9	0.11	0.12	<5	<0.1	<0.02	10.2	1.86	0.2
S192793	Drill Core	0.290	7.9	51.6	1.79	401.4	0.257	2	3.09	0.160	2.28	0.2	9.2	0.12	0.10	<5	0.1	<0.02	10.9	1.50	0.2
S192794	Drill Core	0.287	8.9	38.5	1.69	140.1	0.261	2	3.01	0.115	2.23	0.2	9.4	0.12	0.14	<5	<0.1	0.03	10.3	1.24	0.2
S192795	Drill Core	0.296	8.8	38.6	1.72	128.8	0.234	2	2.89	0.135	1.87	0.2	8.5	0.15	0.15	7	<0.1	0.06	10.9	1.65	0.2
S192796	Drill Core	0.283	8.3	42.1	1.69	181.6	0.279	2	3.00	0.173	2.32	0.2	10.3	0.21	0.16	<5	0.3	0.06	10.9	1.86	0.2
S192797	Drill Core	0.293	8.4	41.8	1.71	186.8	0.278	2	3.06	0.158	2.39	0.2	10.5	0.16	0.12	5	<0.1	0.04	10.8	1.32	0.2
S192798	Drill Core	0.296	8.3	38.5	1.63	183.6	0.270	1	2.96	0.176	2.16	0.2	9.6	0.17	0.16	<5	0.1	0.02	10.1	1.69	0.2
S192799	Drill Core	0.295	8.5	42.4	1.67	202.0	0.256	1	3.01	0.145	2.15	0.2	10.0	0.14	0.13	<5	0.3	0.06	11.2	1.36	0.2
S192800	Rock Pulp	0.061	4.3	35.6	0.83	107.7	0.135	4	1.75	0.109	0.15	0.3	5.3	0.07	0.63	41	0.9	0.04	5.9	0.45	0.1
S192801	Drill Core	0.294	8.7	42.7	1.75	201.0	0.265	1	3.10	0.136	2.22	0.3	10.1	0.18	0.24	5	0.2	0.11	10.8	1.94	0.2
S192802	Drill Core	0.284	7.9	38.4	1.65	111.9	0.252	<1	2.87	0.169	1.89	0.7	9.9	0.25	0.52	<5	0.2	0.26	9.7	1.94	0.2
S192803	Drill Core	0.300	9.4	41.5	1.82	133.9	0.246	<1	3.07	0.148	1.94	0.3	9.2	0.18	0.13	<5	0.1	0.04	10.4	2.03	0.2
S192804	Drill Core	0.298	9.2	39.9	1.78	136.3	0.252	<1	3.04	0.150	2.17	0.2	7.1	0.15	0.09	<5	0.1	<0.02	9.9	1.91	0.2
S192805 Dup of S192804	Core DUP	0.293	9.4	39.8	1.77	143.9	0.260	2	3.02	0.146	2.20	0.2	7.1	0.16	0.09	<5	0.1	0.02	9.4	1.97	0.3
S192806	Drill Core	0.294	8.3	39.5	1.64	152.7	0.266	<1	2.96	0.152	2.16	0.2	8.3	0.13	0.11	<5	0.2	0.04	9.4	1.44	0.2
S192807	Drill Core	0.301	9.5	37.8	1.68	147.8	0.286	<1	3.04	0.139	2.21	0.2	9.7	0.17	0.11	<5	0.2	0.07	11.0	1.96	0.2
S192808	Drill Core	0.284	9.1	36.4	1.72	153.4	0.270	1	2.97	0.143	2.19	0.2	9.5	0.20	0.19	5	0.2	0.11	10.3	1.67	0.3
S192809	Drill Core	0.274	6.2	42.6	1.70	110.8	0.215	2	2.76	0.137	1.51	0.5	8.3	0.25	0.70	<5	0.4	0.76	9.7	2.36	0.2
S192810	Rock	0.003	<0.5	0.6	1.09	5.1	0.002	<1	0.02	0.003	0.01	<0.1	0.1	<0.02	0.13	<5	<0.1	0.28	<0.1	<0.02	<0.1

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	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192781	Drill Core	0.08	0.07	34.8	0.3	<0.05	2.7	8.43	15.1	0.03	4	0.6	22.9	<10	9
S192782	Drill Core	0.11	0.25	56.4	0.3	<0.05	3.9	8.06	18.7	<0.02	4	0.3	28.9	15	3
S192783	Drill Core	0.04	0.29	61.7	0.5	<0.05	3.9	7.35	14.6	<0.02	10	0.3	29.6	13	6
S192784	Drill Core	0.09	0.23	75.5	0.4	<0.05	2.7	7.35	13.7	0.03	4	0.4	32.7	10	8
S192785	Drill Core	0.12	0.21	75.7	0.3	<0.05	2.5	6.96	14.2	<0.02	4	0.2	32.4	<10	5
S192786	Drill Core	0.10	0.26	64.7	0.4	<0.05	2.9	7.52	14.5	<0.02	4	0.2	33.4	16	4
S192787	Drill Core	0.08	0.41	67.8	0.5	<0.05	3.0	7.31	14.3	<0.02	4	<0.1	30.8	18	8
S192788	Drill Core	0.06	0.33	80.3	0.5	<0.05	2.8	7.70	15.7	<0.02	2	0.2	29.6	<10	8
S192789	Drill Core	0.09	0.21	62.1	0.4	<0.05	2.7	7.92	16.3	0.04	4	0.1	29.0	<10	3
S192790	Drill Core	0.08	0.17	51.0	0.3	<0.05	2.8	7.43	15.1	<0.02	<1	0.1	28.6	<10	3
S192791	Drill Core	0.05	0.22	67.6	0.3	<0.05	2.6	7.51	15.3	<0.02	<1	0.2	29.2	11	3
S192792	Drill Core	0.07	0.20	73.8	0.3	<0.05	2.2	7.76	15.4	<0.02	1	0.2	29.5	<10	4
S192793	Drill Core	0.07	0.17	68.0	0.4	<0.05	2.3	8.02	15.5	<0.02	2	0.4	29.6	<10	5
S192794	Drill Core	0.05	0.18	77.2	0.4	<0.05	1.9	8.31	17.3	0.02	1	0.3	29.0	<10	3
S192795	Drill Core	0.05	0.19	70.5	0.3	<0.05	2.0	7.92	17.4	<0.02	2	0.2	27.3	20	5
S192796	Drill Core	0.06	0.25	85.1	0.3	<0.05	3.0	7.71	16.2	0.02	2	0.2	26.8	<10	2
S192797	Drill Core	0.04	0.25	80.9	0.4	<0.05	3.0	8.13	16.0	<0.02	2	<0.1	27.1	<10	2
S192798	Drill Core	0.11	0.26	75.4	0.3	<0.05	2.8	8.14	16.7	<0.02	2	0.2	26.2	<10	3
S192799	Drill Core	0.05	0.21	68.3	0.4	<0.05	2.8	8.45	16.5	0.02	2	0.2	29.6	<10	3
S192800	Rock Pulp	0.18	0.11	5.2	1.6	<0.05	5.9	7.40	9.2	0.03	115	0.1	11.7	<10	3
S192801	Drill Core	0.07	0.16	81.5	0.4	<0.05	2.2	8.50	17.2	0.02	<1	0.3	31.8	<10	2
S192802	Drill Core	0.07	0.25	82.9	0.4	<0.05	3.1	8.16	15.4	<0.02	<1	0.3	27.1	12	3
S192803	Drill Core	0.06	0.20	80.7	0.3	<0.05	2.8	8.51	18.4	0.02	1	0.4	28.6	<10	3
S192804	Drill Core	0.04	0.19	85.3	0.3	<0.05	1.5	7.93	17.5	<0.02	1	0.4	27.1	19	3
S192805 Dup of S192804	Core DUP	0.09	0.21	87.5	0.3	<0.05	1.9	8.09	17.8	<0.02	2	0.4	26.7	<10	<2
S192806	Drill Core	0.08	0.26	77.9	0.3	<0.05	2.1	7.70	16.2	<0.02	1	0.2	25.3	<10	2
S192807	Drill Core	0.07	0.24	85.1	0.5	<0.05	1.6	9.04	18.2	<0.02	<1	0.2	27.1	18	4
S192808	Drill Core	0.06	0.25	81.2	0.4	<0.05	2.3	8.48	17.6	0.02	2	0.2	23.4	<10	4
S192809	Drill Core	0.08	0.15	69.3	0.4	<0.05	3.0	7.74	12.5	<0.02	1	0.4	24.3	<10	3
S192810	Rock	<0.02	0.04	0.3	<0.1	<0.05	0.1	0.15	0.2	<0.02	1	<0.1	0.2	<10	<2

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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS SMI15000112.1

Method		WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192811	Drill Core	3.63	0.67	195.58	5.50	73.0	157	24.1	23.1	985	4.42	1.7	0.6	7.5	1.8	321.8	0.07	0.30	0.03	205	5.93
S192812	Drill Core	6.62	0.49	175.38	2.95	71.3	174	21.2	19.8	1010	4.07	1.2	0.6	6.9	2.0	202.7	0.06	0.16	0.02	204	5.46
S192813	Drill Core	5.32	0.57	177.42	4.35	67.1	117	27.3	21.3	980	4.11	1.4	0.7	3.0	2.0	237.2	0.06	0.14	0.03	204	5.48
S192814	Drill Core	6.78	0.37	206.11	3.97	74.5	127	26.4	21.6	1031	4.42	1.7	0.6	3.7	2.0	188.7	0.07	0.12	0.03	213	5.04
S192815	Drill Core	4.23	0.30	204.90	3.84	73.1	122	22.8	21.2	1063	4.42	2.0	0.6	2.6	2.0	225.9	0.07	0.23	0.04	211	5.48
S192816	Drill Core	4.60	0.40	204.13	5.67	73.4	139	27.5	21.6	1058	4.32	1.1	0.6	3.2	1.9	249.9	0.10	0.15	0.11	203	5.79
S192817	Drill Core	4.67	0.26	197.24	2.67	71.3	126	24.5	20.3	974	4.23	0.2	0.6	2.2	2.2	201.8	0.04	0.09	<0.02	207	5.09
S192818	Drill Core	4.88	0.37	203.30	2.86	72.3	107	24.5	20.8	957	4.25	1.4	0.5	1.3	2.0	197.3	0.04	0.09	<0.02	206	4.96
S192819	Drill Core	3.28	1.37	230.11	6.52	73.8	162	39.5	26.3	976	4.38	12.0	0.6	1.6	2.0	186.1	0.07	0.23	0.04	196	5.09
S192820	Drill Core	5.05	0.79	225.18	10.39	86.5	172	35.6	24.7	1108	4.55	7.7	0.5	0.9	1.9	170.3	0.07	0.15	0.12	204	4.57
S192821	Drill Core	4.64	0.41	15.39	7.79	86.5	37	7.2	5.3	741	3.03	0.5	0.7	2.1	4.2	116.2	0.12	0.32	0.10	44	1.77
S192822	Drill Core	5.90	1.63	191.47	7.23	77.0	128	37.2	26.1	1114	4.36	10.0	0.6	0.9	1.9	251.6	0.05	0.20	0.06	208	5.28

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Project: TRX15-01
Report Date: December 02, 2015

CERTIFICATE OF ANALYSIS SMI15000112.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192811	Drill Core	0.271	7.2	45.9	1.52	96.9	0.233	2	2.63	0.122	1.71	0.5	8.4	0.32	0.45	6	<0.1	0.07	9.9	3.28	0.2
S192812	Drill Core	0.275	7.6	39.6	1.53	76.3	0.225	1	2.73	0.130	1.75	0.7	9.1	0.29	0.23	5	<0.1	0.04	9.7	2.86	0.2
S192813	Drill Core	0.262	8.2	44.1	1.63	86.0	0.239	1	2.65	0.114	1.64	0.5	9.2	0.18	0.22	<5	0.1	0.02	9.8	2.12	0.2
S192814	Drill Core	0.284	7.9	38.1	1.68	97.7	0.243	1	2.84	0.101	1.84	0.3	9.0	0.15	0.18	7	0.2	0.02	10.0	1.53	0.2
S192815	Drill Core	0.288	8.6	38.0	1.58	95.9	0.234	1	2.72	0.093	1.63	0.4	8.6	0.13	0.23	16	0.2	0.05	10.7	1.91	0.2
S192816	Drill Core	0.278	7.7	39.3	1.58	63.7	0.200	1	2.49	0.084	1.20	0.6	8.1	0.15	0.44	<5	0.5	0.04	9.8	1.85	0.1
S192817	Drill Core	0.276	9.7	37.5	1.46	93.2	0.223	1	2.64	0.102	1.53	0.3	9.0	0.14	0.14	5	0.2	<0.02	9.6	1.65	0.2
S192818	Drill Core	0.273	8.7	36.0	1.50	89.9	0.227	<1	2.77	0.104	1.69	0.3	8.4	0.15	0.10	<5	<0.1	0.02	9.9	1.69	0.1
S192819	Drill Core	0.277	7.9	42.6	1.69	78.6	0.150	1	2.61	0.103	0.87	0.3	7.7	0.07	0.13	<5	0.2	0.03	10.3	0.75	0.2
S192820	Drill Core	0.283	7.4	41.6	1.79	69.5	0.149	1	2.68	0.096	0.63	0.3	6.4	0.07	0.13	7	<0.1	<0.02	10.6	0.81	0.2
S192821	Drill Core	0.104	10.1	11.5	0.82	28.7	0.123	2	1.78	0.110	0.27	0.2	5.3	0.06	0.09	8	0.3	<0.02	9.3	0.48	<0.1
S192822	Drill Core	0.272	7.8	38.6	1.65	101.7	0.209	<1	2.80	0.098	1.53	0.2	8.0	0.14	0.13	<5	<0.1	0.03	10.0	1.90	0.2

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CERTIFICATE OF ANALYSIS SMI15000112.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192811	Drill Core	0.07	0.17	89.8	0.5	<0.05	3.4	7.84	13.9	0.03	2	0.4	37.2	<10	3
S192812	Drill Core	0.12	0.26	85.6	0.4	<0.05	2.6	8.95	15.3	<0.02	1	0.5	22.6	15	3
S192813	Drill Core	0.09	0.23	69.1	0.4	<0.05	4.1	8.58	15.9	<0.02	2	0.5	25.4	<10	2
S192814	Drill Core	0.06	0.20	68.8	0.4	<0.05	3.9	8.63	15.3	0.03	1	0.1	27.1	<10	3
S192815	Drill Core	0.06	0.19	62.1	0.4	<0.05	2.9	8.48	16.2	<0.02	3	0.4	28.0	<10	4
S192816	Drill Core	0.08	0.18	56.6	0.4	<0.05	3.0	8.11	15.4	<0.02	3	0.3	24.8	12	2
S192817	Drill Core	0.16	0.27	63.8	0.4	<0.05	2.8	8.96	18.6	<0.02	3	0.3	27.7	16	2
S192818	Drill Core	0.05	0.18	65.0	0.4	<0.05	1.9	8.33	16.5	0.03	2	0.3	33.4	17	<2
S192819	Drill Core	0.07	0.17	27.0	0.3	<0.05	2.7	8.18	14.7	0.02	2	0.2	30.4	10	2
S192820	Drill Core	0.06	0.12	21.9	0.3	<0.05	3.2	8.15	14.9	0.02	2	0.2	31.0	<10	4
S192821	Drill Core	0.11	0.53	12.4	0.8	<0.05	2.5	9.79	20.3	<0.02	<1	0.2	20.5	<10	<2
S192822	Drill Core	0.07	0.13	59.7	0.3	<0.05	4.1	8.43	15.3	<0.02	2	0.4	34.8	<10	4

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Project: TRX15-01

Report Date: December 02, 2015

QUALITY CONTROL REPORT SMI15000112.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
Pulp Duplicates																					
S192746	Drill Core	2.28	0.04	5.02	9.68	75.4	120	6.4	4.5	956	3.24	2.7	1.1	4.1	7.1	163.2	0.15	0.28	0.02	36	2.67
REP S192746	QC		0.06	5.27	9.31	69.1	95	5.0	4.7	960	3.04	2.5	1.1	9.1	6.8	152.8	0.11	0.23	0.03	34	2.51
S192781	Drill Core	6.90	1.41	179.87	5.49	58.8	124	46.6	27.6	979	5.26	4.3	0.5	2.9	1.8	232.3	0.05	0.38	0.04	190	4.72
REP S192781	QC		1.47	178.85	5.40	57.0	118	44.8	26.8	937	5.18	4.4	0.5	1.8	1.8	236.5	0.01	0.41	0.03	184	4.60
S192816	Drill Core	4.60	0.40	204.13	5.67	73.4	139	27.5	21.6	1058	4.32	1.1	0.6	3.2	1.9	249.9	0.10	0.15	0.11	203	5.79
REP S192816	QC		0.39	190.59	5.39	72.0	144	26.2	21.4	1028	4.18	1.0	0.6	1.6	1.7	236.1	0.09	0.14	0.10	200	5.57
Core Reject Duplicates																					
S192733	Drill Core	4.92	0.06	5.64	6.75	38.1	36	2.6	3.3	596	1.86	57.8	1.8	7.5	8.2	208.0	0.09	0.65	0.05	9	3.37
DUP S192733	QC		0.06	5.77	6.81	36.9	30	2.8	3.2	568	1.88	62.2	1.9	7.2	8.4	204.1	0.10	0.67	0.04	9	3.30
S192767	Drill Core	3.80	0.09	6.67	9.64	80.0	45	7.4	4.5	925	2.89	0.4	0.8	0.2	2.6	121.6	0.09	0.23	0.12	38	1.36
DUP S192767	QC		0.09	5.93	9.80	80.6	39	6.5	4.4	938	2.89	0.3	0.8	1.4	2.6	123.5	0.05	0.24	0.11	38	1.35
S192801	Drill Core	10.11	0.68	239.58	6.84	83.3	225	21.7	22.5	997	4.83	5.0	0.5	13.9	2.2	196.8	0.11	0.19	0.05	233	3.55
DUP S192801	QC		0.62	236.14	6.61	82.2	239	21.5	21.2	989	4.80	4.7	0.4	13.8	2.1	188.7	0.08	0.19	0.04	230	3.56
Reference Materials																					
STD DS10	Standard		15.59	157.14	166.64	388.2	1958	82.6	12.9	931	2.84	43.7	2.9	85.2	8.3	66.9	3.01	9.20	12.98	48	1.11
STD DS10	Standard		14.23	152.66	148.29	372.9	1912	76.2	13.0	932	2.83	44.7	2.6	141.0	7.6	69.7	2.49	8.62	11.93	42	1.09
STD DS10	Standard		15.33	162.22	155.34	396.5	1945	78.1	13.6	980	2.85	47.1	2.7	82.9	7.5	69.5	2.64	8.81	12.90	45	1.11
STD OXC129	Standard		1.45	27.23	6.73	37.8	19	82.6	21.2	454	3.13	<0.1	0.7	181.2	1.9	191.5	0.02	0.04	<0.02	57	0.68
STD OXC129	Standard		1.37	28.37	6.77	42.1	16	79.0	20.0	434	3.08	0.5	0.7	194.4	1.9	193.7	0.03	0.04	<0.02	49	0.63
STD OXC129	Standard		1.22	27.95	6.35	42.6	24	82.6	20.3	430	3.06	0.3	0.6	191.3	1.8	182.0	0.03	<0.02	<0.02	54	0.67
STD DS10 Expected			15.1	154.61	150.55	370	2020	74.6	12.9	875	2.7188	46.2	2.59	91.9	7.5	67.1	2.62	9	11.65	43	1.0625
STD OXC129 Expected			1.3	28	6.3	42.9	28	79.5	20.3	421	3.065	0.6	0.72	195	1.9		0.03	0.04		51	0.665
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
Prep Wash																					
ROCK-SMI	Prep Blank		0.69	3.73	1.04	30.7	14	1.2	3.9	513	1.82	0.9	0.4	1.2	2.2	24.7	<0.01	0.05	0.04	21	0.60
ROCK-SMI	Prep Blank		1.02	4.08	1.28	36.2	4	0.8	4.3	519	1.85	1.4	0.4	0.3	2.4	29.5	0.04	0.03	<0.02	23	0.65

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	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
Pulp Duplicates																					
S192746	Drill Core	0.112	18.8	8.3	0.84	59.8	0.046	2	1.89	0.064	0.41	<0.1	3.8	0.12	0.03	16	<0.1	0.25	8.2	1.17	<0.1
REP S192746	QC	0.108	17.3	8.1	0.79	54.5	0.045	2	1.79	0.059	0.38	<0.1	3.9	0.13	0.03	<5	0.2	0.28	8.3	1.09	<0.1
S192781	Drill Core	0.237	7.8	117.2	1.91	124.9	0.181	2	2.26	0.066	1.28	0.3	7.3	0.14	0.83	15	0.5	<0.02	10.3	1.47	0.2
REP S192781	QC	0.231	7.7	112.8	1.88	126.0	0.175	2	2.26	0.071	1.27	0.2	7.9	0.13	0.83	13	0.1	0.08	9.3	1.37	0.3
S192816	Drill Core	0.278	7.7	39.3	1.58	63.7	0.200	1	2.49	0.084	1.20	0.6	8.1	0.15	0.44	<5	0.5	0.04	9.8	1.85	0.1
REP S192816	QC	0.265	7.6	37.3	1.54	59.7	0.191	1	2.41	0.084	1.18	0.5	7.9	0.15	0.43	9	0.3	0.11	9.7	1.77	0.2
Core Reject Duplicates																					
S192733	Drill Core	0.067	18.1	2.1	0.41	36.5	0.005	3	1.03	0.037	0.29	<0.1	1.6	0.10	0.19	12	<0.1	0.02	4.5	0.86	<0.1
DUP S192733	QC	0.070	19.6	2.5	0.41	40.2	0.005	3	1.08	0.045	0.32	<0.1	1.7	0.10	0.18	25	<0.1	0.14	3.9	0.85	<0.1
S192767	Drill Core	0.094	9.3	10.6	0.77	55.6	0.143	2	1.73	0.094	0.59	0.2	4.4	0.19	0.08	22	0.2	<0.02	9.3	0.86	0.2
DUP S192767	QC	0.100	9.1	10.3	0.77	57.9	0.150	4	1.74	0.092	0.60	0.1	3.7	0.18	0.08	5	0.3	0.03	9.2	0.91	0.1
S192801	Drill Core	0.294	8.7	42.7	1.75	201.0	0.265	1	3.10	0.136	2.22	0.3	10.1	0.18	0.24	5	0.2	0.11	10.8	1.94	0.2
DUP S192801	QC	0.289	8.6	42.6	1.73	206.4	0.267	<1	3.05	0.127	2.20	0.2	9.6	0.17	0.24	<5	0.2	0.11	11.1	1.91	0.2
Reference Materials																					
STD DS10	Standard	0.074	18.0	57.7	0.79	353.5	0.083	6	1.07	0.064	0.34	3.4	2.9	5.46	0.29	298	2.5	5.43	4.0	2.69	0.1
STD DS10	Standard	0.076	16.8	55.9	0.80	354.5	0.082	8	1.08	0.070	0.34	3.3	2.8	5.04	0.27	288	2.0	4.64	4.3	2.58	0.2
STD DS10	Standard	0.077	18.5	57.8	0.80	366.7	0.082	8	1.10	0.073	0.34	3.1	3.1	5.42	0.29	302	2.4	5.12	4.6	2.72	<0.1
STD OXC129	Standard	0.095	12.6	54.2	1.54	49.6	0.426	2	1.59	0.586	0.38	0.1	1.1	0.03	<0.02	<5	0.4	0.05	5.2	0.15	0.1
STD OXC129	Standard	0.101	12.3	51.1	1.53	48.6	0.387	<1	1.51	0.584	0.37	<0.1	1.0	0.03	<0.02	13	<0.1	<0.02	5.1	0.16	<0.1
STD OXC129	Standard	0.102	13.0	54.0	1.57	52.3	0.406	2	1.60	0.599	0.36	<0.1	0.8	0.03	<0.02	<5	<0.1	<0.02	5.5	0.17	<0.1
STD DS10 Expected		0.0765	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	3	5.1	0.29	300	2.3	5.01	4.5	2.63	0.08
STD OXC129 Expected		0.102	13	52	1.545	50	0.4	1	1.58	0.6	0.37	0.08	1.1	0.03					5.6	0.16	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	13	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
Prep Wash																					
ROCK-SMI	Prep Blank	0.038	5.6	2.9	0.46	64.4	0.073	1	0.95	0.093	0.08	0.1	2.5	<0.02	0.02	31	<0.1	0.03	4.2	0.09	<0.1
ROCK-SMI	Prep Blank	0.039	7.2	2.1	0.49	75.2	0.082	2	1.06	0.121	0.10	0.1	3.6	0.03	<0.02	5	<0.1	0.04	4.4	0.12	0.1

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Client: **Equity Exploration Consultants Ltd.**

#1510 - 250 Howe St.

Vancouver BC V6C 3R8 CANADA

Project: TRX15-01

Report Date: December 02, 2015

QUALITY CONTROL REPORT SMI15000112.1

Method		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte		**Hf**	**Nb**	**Rb**	**Sn**	**Ta**	**Zr**	**Y**	**Ce**	**In**	**Re**	**Be**	**Li**	**Pd**	**Pt**
Unit		**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppb**	**ppm**	**ppm**	**ppb**	**ppb**
MDL		**0.02**	**0.02**	**0.1**	**0.1**	**0.05**	**0.1**	**0.01**	**0.1**	**0.02**	**1**	**0.1**	**0.1**	**10**	**2**
Pulp Duplicates															
S192746	Drill Core	0.05	0.17	20.6	0.5	<0.05	3.3	12.49	38.1	0.03	<1	0.6	21.0	<10	<2
REP S192746	QC	0.10	0.12	19.4	0.3	<0.05	2.9	11.87	34.7	0.02	<1	0.1	19.8	<10	<2
S192781	Drill Core	0.08	0.07	34.8	0.3	<0.05	2.7	8.43	15.1	0.03	4	0.6	22.9	<10	9
REP S192781	QC	0.08	0.11	34.8	0.2	<0.05	2.5	8.52	15.1	<0.02	2	0.5	22.3	<10	13
S192816	Drill Core	0.08	0.18	56.6	0.4	<0.05	3.0	8.11	15.4	<0.02	3	0.3	24.8	12	2
REP S192816	QC	0.08	0.18	53.6	0.3	<0.05	2.7	7.47	14.6	<0.02	3	0.5	23.8	11	3
Core Reject Duplicates															
S192733	Drill Core	0.19	0.10	13.5	0.3	<0.05	7.4	7.33	35.9	0.02	<1	0.9	9.9	<10	6
DUP S192733	QC	0.19	0.20	14.7	0.3	<0.05	7.4	6.81	38.2	<0.02	2	<0.1	9.7	<10	<2
S192767	Drill Core	0.04	0.35	33.4	1.0	<0.05	1.2	8.74	19.9	<0.02	2	0.3	21.7	<10	3
DUP S192767	QC	0.07	0.31	34.0	0.7	<0.05	1.3	8.98	19.2	0.03	2	0.4	22.0	<10	2
S192801	Drill Core	0.07	0.16	81.5	0.4	<0.05	2.2	8.50	17.2	0.02	<1	0.3	31.8	<10	2
DUP S192801	QC	0.05	0.16	79.4	0.5	<0.05	2.4	8.35	16.7	0.03	1	0.3	30.5	<10	3
Reference Materials															
STD DS10	Standard	0.05	1.52	27.9	1.7	<0.05	2.7	7.98	37.4	0.23	45	0.7	21.2	124	172
STD DS10	Standard	<0.02	1.57	28.2	1.6	<0.05	2.6	7.56	35.7	0.30	39	0.4	20.2	94	186
STD DS10	Standard	0.07	1.65	29.1	1.7	<0.05	2.7	8.18	38.4	0.25	49	0.8	20.2	104	181
STD OXC129	Standard	0.33	1.13	15.7	0.7	<0.05	22.9	4.87	23.9	<0.02	4	1.1	2.1	<10	<2
STD OXC129	Standard	0.27	1.75	16.2	0.6	<0.05	19.8	4.48	23.9	<0.02	<1	1.5	1.7	<10	<2
STD OXC129	Standard	0.27	1.26	15.6	0.7	<0.05	22.5	4.62	23.7	<0.02	<1	1.0	1.8	<10	<2
STD DS10 Expected		0.06	1.62	27.7	1.6		2.7	7.77	37	0.23	50	0.63	19.4	110	191
STD OXC129 Expected		0.24	1.4		0.7		21	4.7	23.7			0.8	2.22		
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	5	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
Prep Wash															
ROCK-SMI	Prep Blank	0.14	0.17	2.3	0.4	<0.05	3.9	7.66	11.0	<0.02	<1	0.1	2.3	11	<2
ROCK-SMI	Prep Blank	0.17	0.22	2.9	0.4	<0.05	4.2	8.66	14.7	<0.02	<1	0.2	2.6	<10	<2

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Client: **Equity Exploration Consultants Ltd.**
#1510 - 250 Howe St.
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Submitted By:	Thomas Branson
Receiving Lab:	Canada-Smithers
Received:	November 12, 2015
Report Date:	December 08, 2015
Page:	1 of 6

CERTIFICATE OF ANALYSIS SMI15000113.1

CLIENT JOB INFORMATION

Project:	TRX15-01
Shipment ID:	TRX15-01_4
P.O. Number	TRX15-01_4
Number of Samples:	134

SAMPLE DISPOSAL

RTRN-PLP	Return
DISP-RJT	Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	128	Crush, split and pulverize 250 g rock to 200 mesh			SMI
SLBHP	3	Sort, label and box pulps			SMI
SPTRF	3	Split samples by riffle splitter			SMI
PUL85	3	Pulverize to 85% passing 200 mesh			VAN
AQ251_EXT	134	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Equity Exploration Consultants Ltd.
#1510 - 250 Howe St.
Vancouver BC V6C 3R8
CANADA

CC: Ron Voordouw
Michael Pond

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Geochemical Laboratory Manager

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Project: TRX15-01
Report Date: December 08, 2015

CERTIFICATE OF ANALYSIS SMI15000113.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192823	Drill Core	6.75	0.78	228.18	6.32	81.8	136	33.9	24.6	1102	4.76	4.7	0.6	1.2	2.3	185.9	0.05	0.16	0.04	226	4.37
S192824	Drill Core	7.28	0.99	192.22	5.74	87.0	114	33.8	25.6	1110	4.90	6.0	0.6	1.1	2.1	180.1	0.06	0.07	0.02	231	4.28
S192825	Drill Core	3.01	0.99	197.50	5.75	78.9	121	31.6	24.3	1110	4.80	5.7	0.7	1.5	2.4	194.4	0.06	0.07	0.02	230	4.42
S192826	Drill Core	4.75	1.30	209.32	5.97	77.7	163	27.8	23.1	968	4.72	4.5	0.6	0.6	1.8	144.7	0.05	0.05	0.03	220	3.76
S192827	Drill Core	4.48	2.24	209.01	5.74	77.2	187	26.0	24.0	1044	4.81	4.7	0.5	1.1	2.0	138.1	0.06	0.07	0.05	217	3.24
S192828	Drill Core	5.59	0.92	170.75	8.71	87.2	316	52.7	25.4	715	5.49	1.4	0.4	0.3	2.1	80.9	0.18	0.26	0.24	225	2.88
S192829	Drill Core	4.82	1.04	171.59	8.26	105.7	329	65.3	30.4	859	5.75	3.3	0.4	2.6	2.0	79.3	0.43	0.29	0.17	263	2.77
S192830	Drill Core	5.72	1.21	184.77	13.38	98.0	990	58.2	25.4	760	5.60	5.9	0.3	10.5	1.7	98.3	0.59	0.41	0.55	240	2.91
S192831	Drill Core	4.58	1.53	160.60	11.67	128.4	412	54.4	22.2	472	4.06	2.8	0.4	3.7	2.0	66.1	0.87	0.28	0.58	132	2.52
S192832	Drill Core	6.22	0.32	11.17	12.94	96.7	63	7.7	5.2	849	3.08	0.7	1.0	5.6	6.8	131.8	0.43	0.14	0.07	47	2.00
S192833	Drill Core	4.63	0.10	4.61	10.67	84.8	57	6.0	5.0	856	3.08	1.3	1.0	9.6	7.8	248.5	0.28	0.12	0.05	42	2.07
S192834	Drill Core	7.31	0.10	6.04	11.51	77.9	88	5.8	4.5	808	2.98	0.7	0.8	43.5	7.1	110.9	0.25	0.12	0.11	41	2.02
S192835	Drill Core	7.09	2.15	6.91	13.75	92.8	152	6.7	5.1	942	3.03	0.8	0.8	7.2	6.6	153.7	0.23	0.13	0.35	44	1.86
S192836	Drill Core	6.57	0.92	7.90	12.53	105.5	205	5.5	4.6	866	3.03	0.4	0.8	4.9	7.5	136.5	0.39	0.14	0.50	44	1.96
S192837	Drill Core	4.48	0.66	9.19	9.97	87.6	94	5.8	5.0	873	3.02	0.6	1.0	12.7	8.8	113.8	0.15	0.11	0.13	46	1.72
S192838	Drill Core	2.86	1.09	48.14	9.44	76.8	113	23.7	12.3	983	3.48	10.5	0.8	3.9	6.7	136.0	0.16	0.19	0.10	84	2.81
S192839	Drill Core	1.10	1.65	128.75	11.07	83.2	182	68.5	28.2	1125	5.07	40.7	0.6	2.5	2.8	125.9	0.10	0.32	0.16	183	4.25
S192840	Rock Pulp	0.12	270.65	2386.23	78.34	444.4	2847	14.0	11.0	714	4.29	27.8	0.7	347.9	3.3	57.3	2.30	1.56	1.13	31	0.80
S192841	Drill Core	4.11	1.82	157.00	8.72	76.5	186	56.8	24.5	629	4.78	22.8	0.5	2.1	2.3	83.5	0.14	1.25	0.31	191	2.42
S192842	Drill Core	7.84	6.47	159.14	4.96	65.7	178	29.5	19.2	513	3.82	15.3	0.4	92.3	1.9	93.7	0.18	0.93	0.19	159	2.47
S192843	Drill Core	3.39	3.55	163.37	5.22	74.5	129	50.3	23.0	697	4.92	20.0	0.5	2.9	2.3	71.3	0.18	0.11	0.07	207	1.55
S192844	Drill Core	4.05	1.17	148.71	3.89	57.8	146	55.6	23.7	881	3.92	23.6	0.9	1.8	1.8	208.0	0.04	0.18	<0.02	160	6.57
S192845 Dup of S192844	Core DUP	<0.01	1.12	147.86	3.81	58.4	136	55.5	23.1	837	3.91	23.7	0.9	0.8	1.7	193.9	0.05	0.19	0.02	159	6.59
S192846	Drill Core	3.62	0.75	138.31	4.07	56.4	113	55.3	21.7	966	3.98	17.6	0.7	2.2	1.8	372.5	0.04	0.47	<0.02	149	8.07
S192847	Drill Core	4.43	0.75	143.85	3.09	48.1	106	52.4	21.7	704	3.77	11.3	0.7	0.2	1.7	240.5	0.03	0.37	<0.02	130	5.56
S192848	Drill Core	4.12	1.24	175.72	3.23	37.7	97	41.5	17.2	594	2.88	6.2	0.8	2.2	1.9	135.5	0.08	0.19	<0.02	116	5.95
S192849	Drill Core	7.28	0.52	159.61	5.21	42.9	106	46.1	18.5	525	2.86	1.2	0.4	1.6	1.1	124.9	0.03	0.17	<0.02	90	3.24
S192850	Rock	0.66	0.06	0.66	0.09	0.4	5	1.1	0.2	17	0.03	0.3	1.7	<0.2	<0.1	4106.0	<0.01	<0.02	<0.02	<2	32.48
S192851	Drill Core	7.33	0.40	161.62	2.89	38.2	98	46.2	18.4	519	2.84	1.2	0.4	1.0	1.2	146.5	0.02	0.12	<0.02	92	3.45
S192852	Drill Core	4.57	1.65	181.87	2.68	48.0	90	53.1	20.9	560	3.16	0.8	0.4	2.5	1.2	110.8	0.03	0.13	0.03	113	2.10

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Project: TRX15-01
Report Date: December 08, 2015

CERTIFICATE OF ANALYSIS SMI15000113.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192823	Drill Core	0.280	8.4	40.3	1.77	144.3	0.255	2	2.96	0.118	2.04	0.2	9.1	0.14	0.15	<5	0.2	0.04	10.9	1.54	0.2
S192824	Drill Core	0.266	7.0	48.6	1.85	170.7	0.266	2	3.06	0.104	2.28	0.2	9.8	0.18	0.10	<5	0.3	<0.02	11.1	1.37	0.2
S192825	Drill Core	0.270	6.9	45.0	1.81	175.5	0.270	3	3.14	0.141	2.23	0.2	10.4	0.18	0.09	<5	0.2	<0.02	10.8	1.30	0.3
S192826	Drill Core	0.267	6.7	40.8	1.83	189.7	0.252	2	2.79	0.112	2.08	0.2	9.0	0.22	0.29	<5	0.4	<0.02	10.3	1.30	0.2
S192827	Drill Core	0.268	7.0	40.8	1.83	153.1	0.247	5	2.76	0.099	1.79	0.2	8.3	0.30	0.35	<5	0.3	0.05	10.4	2.11	0.2
S192828	Drill Core	0.214	7.9	162.4	2.26	222.0	0.261	2	2.47	0.120	1.46	0.4	9.8	0.50	1.44	<5	1.6	0.16	10.7	3.78	0.3
S192829	Drill Core	0.222	7.0	206.6	2.67	156.6	0.266	2	2.97	0.075	1.54	0.4	15.1	0.42	1.15	7	1.7	0.11	12.4	3.40	0.3
S192830	Drill Core	0.210	6.5	180.5	2.34	128.3	0.244	2	2.53	0.091	1.06	0.5	13.9	0.22	1.51	<5	2.4	0.83	10.6	1.70	0.3
S192831	Drill Core	0.214	7.3	127.5	1.37	43.2	0.137	6	1.49	0.110	0.15	0.4	4.4	0.04	1.13	<5	1.8	0.14	7.9	0.34	0.1
S192832	Drill Core	0.115	10.2	16.9	0.81	48.2	0.137	4	2.21	0.189	0.46	0.2	6.0	0.16	0.07	<5	0.1	<0.02	10.0	0.79	0.1
S192833	Drill Core	0.110	10.4	10.3	0.78	57.7	0.123	3	2.16	0.173	0.51	0.3	5.6	0.20	0.08	6	0.2	<0.02	9.4	1.07	0.2
S192834	Drill Core	0.107	9.3	10.2	0.76	51.3	0.133	3	2.04	0.164	0.45	0.5	5.2	0.18	0.12	6	0.3	0.02	8.9	0.97	<0.1
S192835	Drill Core	0.107	10.9	13.2	0.78	94.7	0.161	3	2.33	0.219	0.63	0.3	6.1	0.29	0.09	<5	0.3	<0.02	9.6	1.54	0.1
S192836	Drill Core	0.101	9.8	11.1	0.78	78.2	0.148	3	2.41	0.237	0.68	0.4	6.6	0.25	0.10	6	0.2	0.04	8.9	1.12	0.2
S192837	Drill Core	0.107	9.0	10.0	0.78	68.7	0.143	4	2.27	0.194	0.68	0.4	6.9	0.28	0.10	11	0.3	0.04	9.9	1.26	0.1
S192838	Drill Core	0.123	10.4	62.6	1.37	99.6	0.162	3	2.56	0.164	1.01	0.2	9.4	0.36	0.10	6	0.3	<0.02	10.5	2.71	0.2
S192839	Drill Core	0.211	9.4	188.0	2.76	45.9	0.072	2	3.02	0.046	0.23	0.2	12.0	0.06	0.07	7	0.3	0.02	12.2	0.75	0.2
S192840	Rock Pulp	0.070	4.6	20.4	0.58	61.0	0.041	7	1.70	0.054	0.30	1.3	2.3	0.27	2.05	45	3.3	0.58	4.6	3.42	<0.1
S192841	Drill Core	0.214	8.8	152.6	1.93	230.8	0.171	2	2.41	0.105	0.96	0.4	8.1	0.19	0.64	<5	1.4	0.04	10.4	2.28	0.2
S192842	Drill Core	0.178	8.6	80.1	1.54	83.5	0.130	2	1.90	0.189	0.35	0.4	9.4	0.06	0.31	12	0.6	0.05	8.1	1.21	0.2
S192843	Drill Core	0.205	7.9	163.0	2.52	193.2	0.246	1	3.29	0.110	2.28	0.5	9.5	0.23	0.04	<5	0.3	<0.02	11.6	4.17	0.2
S192844	Drill Core	0.206	7.1	166.3	1.98	57.0	0.184	2	2.57	0.073	1.39	0.2	7.4	0.14	0.11	<5	0.5	0.03	8.5	2.26	0.2
S192845 Dup of S192844	Core DUP	0.191	7.4	168.7	1.95	63.1	0.182	3	2.49	0.073	1.38	0.2	7.6	0.14	0.11	<5	0.2	<0.02	8.7	2.29	0.2
S192846	Drill Core	0.209	7.8	158.0	2.13	41.6	0.098	4	2.28	0.058	0.44	0.2	11.3	0.06	0.08	<5	0.1	0.03	7.9	1.54	0.1
S192847	Drill Core	0.226	8.1	146.9	1.82	59.1	0.149	4	2.10	0.066	0.95	0.2	7.8	0.12	0.06	7	0.2	<0.02	7.2	1.89	0.1
S192848	Drill Core	0.215	7.8	133.8	1.25	47.1	0.152	5	1.75	0.054	1.00	0.3	3.8	0.15	0.09	<5	0.2	<0.02	6.7	2.53	0.2
S192849	Drill Core	0.220	5.0	136.8	1.69	65.1	0.162	2	1.78	0.090	0.95	0.3	3.3	0.06	0.12	<5	<0.1	<0.02	5.9	1.70	0.2
S192850	Rock	0.004	<0.5	1.1	1.06	7.0	0.001	<1	0.02	0.002	<0.01	<0.1	0.9	<0.02	<0.02	<5	<0.1	0.34	<0.1	<0.02	<0.1
S192851	Drill Core	0.223	5.7	131.7	1.52	93.3	0.165	3	1.68	0.111	1.01	0.2	3.5	0.09	0.09	<5	0.4	<0.02	5.2	1.88	0.1
S192852	Drill Core	0.235	6.1	143.7	2.12	79.0	0.184	2	2.15	0.077	1.51	0.2	3.4	0.13	<0.02	6	<0.1	<0.02	6.8	2.77	<0.1

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Project: TRX15-01
Report Date: December 08, 2015

CERTIFICATE OF ANALYSIS SMI15000113.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192823	Drill Core	0.12	0.28	61.1	0.4	<0.05	3.3	8.34	15.8	0.02	1	0.4	34.9	<10	<2
S192824	Drill Core	0.06	0.24	66.9	0.4	<0.05	2.9	8.06	13.3	0.02	3	<0.1	34.3	<10	<2
S192825	Drill Core	0.07	0.33	69.2	0.5	<0.05	3.2	8.09	13.4	<0.02	2	0.4	33.8	14	<2
S192826	Drill Core	0.10	0.27	57.6	0.4	<0.05	3.9	7.67	13.3	0.03	3	0.5	30.0	<10	3
S192827	Drill Core	0.10	0.28	60.3	0.4	<0.05	4.5	8.21	13.6	<0.02	2	0.3	26.6	<10	<2
S192828	Drill Core	0.13	0.22	54.1	0.5	<0.05	3.4	8.62	13.7	0.03	6	0.3	29.0	<10	2
S192829	Drill Core	0.10	0.19	49.1	0.5	<0.05	3.1	9.25	12.8	0.06	9	0.3	33.8	17	4
S192830	Drill Core	0.08	0.20	28.6	0.5	<0.05	3.1	8.47	12.1	0.05	5	0.4	29.8	<10	5
S192831	Drill Core	0.09	0.19	3.5	0.3	<0.05	2.4	6.95	13.0	<0.02	4	0.1	21.5	11	6
S192832	Drill Core	0.21	0.44	23.2	1.1	<0.05	6.3	10.52	20.0	0.03	<1	0.4	23.2	<10	<2
S192833	Drill Core	0.18	0.38	30.9	1.0	<0.05	4.8	9.53	20.0	0.03	<1	0.4	23.1	<10	<2
S192834	Drill Core	0.12	0.39	25.7	0.9	<0.05	3.5	8.09	18.4	0.02	<1	0.4	21.2	<10	<2
S192835	Drill Core	0.15	0.59	39.0	1.2	<0.05	3.0	9.43	20.8	0.04	3	0.6	22.2	<10	<2
S192836	Drill Core	0.12	0.68	37.5	1.3	<0.05	4.0	10.37	20.0	0.04	<1	0.7	23.1	<10	<2
S192837	Drill Core	0.12	0.57	39.5	1.3	<0.05	3.3	9.66	17.5	0.03	<1	0.5	23.1	<10	<2
S192838	Drill Core	0.12	0.25	49.3	1.2	<0.05	4.4	9.98	20.2	0.05	<1	0.2	22.4	<10	<2
S192839	Drill Core	0.05	0.10	9.9	0.5	<0.05	2.0	9.50	17.5	0.02	3	0.5	41.2	<10	5
S192840	Rock Pulp	0.03	0.14	14.1	0.7	<0.05	0.9	4.55	8.8	0.10	260	<0.1	16.5	<10	<2
S192841	Drill Core	0.11	0.11	27.0	0.4	<0.05	2.1	9.38	14.5	0.04	11	0.3	22.9	<10	2
S192842	Drill Core	0.14	0.14	8.0	0.4	<0.05	3.8	8.65	15.1	0.03	5	0.3	23.7	<10	2
S192843	Drill Core	0.06	0.23	48.0	0.4	<0.05	2.7	8.29	14.5	0.04	5	0.3	28.3	<10	3
S192844	Drill Core	0.05	0.11	39.5	0.3	<0.05	1.5	6.48	12.4	<0.02	<1	0.5	26.2	<10	4
S192845 Dup of S192844	Core DUP	0.05	0.15	37.5	0.3	<0.05	1.4	6.09	13.3	<0.02	<1	0.5	24.0	13	5
S192846	Drill Core	0.06	0.10	15.2	0.2	<0.05	1.7	7.01	14.9	<0.02	2	0.4	22.8	12	4
S192847	Drill Core	0.07	0.07	34.4	0.2	<0.05	2.2	7.11	15.2	<0.02	<1	0.3	18.1	<10	4
S192848	Drill Core	0.05	0.11	42.4	0.1	<0.05	1.8	5.98	13.7	<0.02	<1	0.5	22.0	<10	2
S192849	Drill Core	0.09	0.10	29.3	0.2	<0.05	2.4	4.78	8.9	<0.02	2	0.4	29.4	10	4
S192850	Rock	<0.02	0.04	0.2	<0.1	<0.05	0.1	0.45	0.2	<0.02	<1	<0.1	0.1	<10	<2
S192851	Drill Core	0.08	0.10	30.5	0.1	<0.05	2.5	5.35	10.6	<0.02	<1	0.2	22.3	12	3
S192852	Drill Core	0.10	0.07	50.2	0.2	<0.05	2.5	5.05	11.8	<0.02	<1	0.3	24.6	<10	3

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Project: TRX15-01
Report Date: December 08, 2015

CERTIFICATE OF ANALYSIS SMI15000113.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192853	Drill Core	7.41	0.98	165.07	3.29	46.1	86	53.3	20.3	554	2.98	0.8	0.4	5.1	1.0	122.0	0.02	0.09	0.02	104	2.46
S192854	Drill Core	7.11	0.68	166.91	1.19	45.0	90	53.1	20.1	502	2.90	0.5	0.4	2.6	1.0	102.5	0.02	0.05	<0.02	99	1.74
S192855	Drill Core	6.76	0.69	163.61	1.50	45.9	74	52.8	20.2	536	2.93	0.6	0.4	1.8	1.1	114.0	0.02	0.06	<0.02	107	2.31
S192856	Drill Core	4.18	0.95	161.87	3.17	49.7	81	56.9	22.4	813	3.49	6.8	0.5	1.4	1.3	446.1	0.03	0.22	0.02	130	4.00
S192857	Drill Core	4.40	1.02	160.03	2.36	43.2	102	52.2	20.2	521	2.96	1.1	0.3	4.8	1.0	116.3	0.04	0.08	<0.02	106	1.83
S192858	Drill Core	6.77	0.80	156.89	2.79	41.6	100	51.1	19.7	552	2.89	1.3	0.4	3.8	1.1	119.8	0.05	0.08	<0.02	105	3.10
S192859	Drill Core	6.78	0.37	174.94	3.07	46.9	93	50.8	20.4	522	2.98	1.2	0.4	4.3	1.0	88.5	0.04	0.08	<0.02	105	1.90
S192860	Drill Core	6.80	0.68	164.79	1.93	44.8	92	51.8	19.6	542	3.00	0.8	0.4	4.6	0.9	129.1	0.03	0.08	<0.02	103	2.07
S192861	Drill Core	5.86	0.30	166.56	2.01	44.5	88	51.4	19.9	528	2.96	1.0	0.4	3.9	1.0	112.7	0.03	0.09	<0.02	104	2.14
S192862	Drill Core	7.20	0.37	163.67	1.77	45.4	89	50.5	19.9	481	2.82	0.6	0.3	3.1	0.9	97.1	0.02	0.06	<0.02	98	1.67
S192863	Drill Core	9.31	0.34	172.28	2.63	52.3	95	55.0	21.0	600	3.48	1.1	0.4	2.5	1.2	136.6	0.03	0.08	<0.02	126	2.93
S192864	Drill Core	2.09	0.79	152.40	3.16	69.1	90	62.9	24.9	734	4.48	6.9	0.6	1.3	1.5	231.4	0.05	0.30	0.02	182	3.79
S192865	Drill Core	1.93	0.78	145.86	3.57	66.1	89	60.0	24.7	730	4.22	7.8	0.6	1.6	1.4	255.0	0.04	0.32	0.02	172	3.94
S192866	Drill Core	6.16	0.63	168.77	3.45	54.8	88	55.6	22.8	630	3.39	3.6	0.6	2.0	1.3	199.0	0.05	0.23	<0.02	130	4.42
S192867	Drill Core	6.99	0.90	178.33	3.17	46.2	88	39.2	17.1	783	2.82	1.5	1.1	2.7	1.4	217.6	0.06	0.14	<0.02	115	7.01
S192868	Drill Core	6.37	0.49	176.48	3.63	39.7	97	27.7	13.5	721	2.32	0.9	0.7	3.2	1.2	202.8	0.07	0.13	<0.02	92	7.74
S192869	Drill Core	7.30	0.30	359.24	2.98	44.0	191	35.8	15.4	701	2.65	6.3	0.8	1.8	1.4	185.5	0.10	1.32	<0.02	94	7.66
S192870	Drill Core	6.88	0.52	123.78	3.65	43.0	68	34.9	14.8	628	2.50	0.7	0.4	1.0	1.2	162.1	0.06	0.10	<0.02	92	6.55
S192871	Drill Core	6.90	0.52	168.28	3.49	44.8	83	33.4	14.4	618	2.50	0.5	0.6	0.8	1.4	181.4	0.06	0.08	<0.02	95	5.64
S192872	Drill Core	4.84	0.36	117.73	4.83	41.3	60	26.6	13.2	660	2.39	1.0	0.5	0.7	1.5	286.9	0.04	0.13	<0.02	86	6.93
S192873	Drill Core	2.81	0.52	123.53	3.93	31.9	54	24.4	10.3	544	1.84	0.9	0.6	0.5	1.4	314.5	0.03	0.21	<0.02	62	6.78
S192874	Drill Core	5.92	0.58	188.31	2.81	47.3	94	48.2	19.0	569	2.70	0.5	0.5	1.4	1.2	159.9	0.05	0.05	<0.02	99	4.10
S192875	Drill Core	7.18	0.73	173.94	3.63	43.5	86	42.8	17.4	623	2.66	0.7	0.7	1.3	1.2	153.0	0.06	0.07	<0.02	100	4.85
S192876	Drill Core	5.75	0.65	180.19	3.01	41.4	87	41.4	16.9	547	2.54	0.9	0.5	2.6	1.1	158.7	0.07	0.08	<0.02	94	4.41
S192877	Drill Core	3.92	2.75	23.31	2.21	57.1	26	6.0	12.0	486	3.22	0.9	0.3	0.6	1.1	59.3	0.11	0.09	0.05	140	1.49
S192878	Drill Core	6.54	0.41	175.35	2.90	46.6	101	49.3	19.2	591	2.84	0.8	0.7	1.7	1.4	155.1	0.07	0.06	0.02	108	4.82
S192879	Drill Core	6.69	1.34	185.89	3.89	47.0	121	32.6	15.6	608	2.57	3.3	0.7	0.6	1.5	149.9	0.06	0.16	<0.02	108	6.39
S192880	Rock Pulp	0.12	283.44	2464.56	78.63	452.3	2813	13.6	11.0	733	4.28	26.9	0.7	319.6	3.3	52.4	2.40	1.41	1.07	32	0.82
S192881	Drill Core	7.36	0.54	169.85	3.19	45.9	101	46.0	17.9	583	2.63	0.7	0.7	1.6	1.3	157.9	0.07	0.04	<0.02	101	5.49
S192882	Drill Core	3.78	1.40	185.71	3.35	48.0	110	52.8	21.0	591	2.98	0.9	0.5	1.6	1.3	144.6	0.04	0.06	0.03	112	3.71

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Method		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
MDL		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192853	Drill Core	0.221	5.5	143.4	2.05	57.4	0.167	2	1.99	0.064	1.36	0.2	3.0	0.12	<0.02	<5	<0.1	<0.02	6.6	2.34	<0.1
S192854	Drill Core	0.225	6.3	136.7	2.01	63.8	0.173	2	2.00	0.062	1.57	0.2	2.6	0.12	<0.02	5	<0.1	<0.02	5.9	2.71	0.1
S192855	Drill Core	0.219	6.1	137.9	2.07	69.1	0.184	2	2.07	0.079	1.62	0.2	3.6	0.10	<0.02	6	<0.1	0.02	6.1	2.36	0.1
S192856	Drill Core	0.212	7.2	149.0	2.50	161.3	0.170	2	2.33	0.051	1.41	0.2	6.8	0.10	<0.02	10	<0.1	0.05	7.4	2.34	0.1
S192857	Drill Core	0.210	4.1	145.8	2.01	82.2	0.188	2	2.04	0.068	1.66	0.2	3.3	0.13	<0.02	6	<0.1	<0.02	5.9	3.11	0.1
S192858	Drill Core	0.218	4.5	143.0	2.00	87.9	0.184	3	1.97	0.104	1.44	0.3	3.7	0.09	<0.02	<5	<0.1	<0.02	5.9	1.89	0.1
S192859	Drill Core	0.212	4.1	153.0	2.04	172.8	0.178	2	2.00	0.098	1.48	0.2	3.7	0.07	<0.02	5	<0.1	<0.02	6.6	1.68	0.1
S192860	Drill Core	0.221	4.4	144.4	2.08	73.1	0.176	2	2.00	0.076	1.41	0.2	3.3	0.09	<0.02	<5	<0.1	<0.02	6.1	2.07	0.1
S192861	Drill Core	0.217	5.2	148.5	2.08	107.4	0.172	3	1.96	0.099	1.31	0.1	4.4	0.06	<0.02	<5	<0.1	<0.02	5.7	1.71	0.1
S192862	Drill Core	0.226	4.6	137.1	1.92	77.7	0.170	2	1.91	0.069	1.44	0.1	2.6	0.07	<0.02	<5	<0.1	<0.02	5.7	1.92	<0.1
S192863	Drill Core	0.221	5.7	167.6	2.30	119.7	0.168	2	2.18	0.090	1.21	0.2	5.9	0.07	<0.02	<5	<0.1	<0.02	7.4	1.83	0.1
S192864	Drill Core	0.218	8.3	188.3	2.84	41.6	0.101	2	2.56	0.047	0.56	0.2	12.2	0.08	0.03	7	<0.1	0.02	9.8	1.46	0.1
S192865	Drill Core	0.197	8.2	171.5	2.62	42.5	0.097	2	2.36	0.048	0.59	0.2	11.2	0.08	<0.02	7	<0.1	<0.02	9.1	1.62	0.1
S192866	Drill Core	0.222	6.0	163.9	1.76	111.5	0.158	2	1.86	0.105	0.87	0.3	7.4	0.05	<0.02	7	0.1	<0.02	6.6	1.02	0.2
S192867	Drill Core	0.224	5.9	143.4	1.31	110.5	0.158	2	1.57	0.114	0.80	0.3	6.5	0.05	<0.02	13	0.1	<0.02	5.4	0.84	0.2
S192868	Drill Core	0.211	4.2	121.0	1.06	112.9	0.134	3	1.35	0.090	0.71	0.4	3.7	0.05	<0.02	7	0.1	<0.02	4.6	1.05	<0.1
S192869	Drill Core	0.214	5.0	123.6	1.06	92.3	0.142	3	1.34	0.097	0.75	0.2	4.1	0.04	<0.02	6	<0.1	<0.02	4.5	1.05	0.1
S192870	Drill Core	0.207	4.5	123.1	1.05	58.7	0.137	5	1.42	0.102	0.75	0.2	4.0	0.04	<0.02	7	<0.1	<0.02	4.9	1.10	0.1
S192871	Drill Core	0.225	4.9	129.9	1.08	76.8	0.135	5	1.43	0.133	0.69	0.3	4.0	0.05	<0.02	6	<0.1	0.02	4.9	1.09	0.1
S192872	Drill Core	0.228	5.0	116.0	1.05	95.4	0.116	6	1.45	0.153	0.44	0.4	4.5	0.02	<0.02	<5	<0.1	<0.02	4.9	0.44	0.2
S192873	Drill Core	0.206	3.7	80.0	0.79	56.4	0.096	6	1.19	0.095	0.33	0.4	2.4	<0.02	<0.02	6	<0.1	<0.02	4.6	0.28	0.2
S192874	Drill Core	0.215	4.6	140.5	1.41	85.3	0.170	2	1.68	0.098	1.19	0.2	3.4	0.07	<0.02	<5	<0.1	<0.02	5.4	1.67	0.1
S192875	Drill Core	0.210	3.9	126.5	1.39	176.9	0.164	5	1.62	0.148	0.96	0.3	4.5	0.04	<0.02	<5	<0.1	<0.02	5.1	0.88	0.2
S192876	Drill Core	0.219	4.3	127.0	1.31	100.5	0.162	4	1.55	0.100	1.01	0.2	3.6	0.05	<0.02	7	<0.1	<0.02	5.0	0.96	0.1
S192877	Drill Core	0.126	4.7	13.9	1.04	89.6	0.139	5	1.62	0.227	0.38	0.2	6.9	0.03	0.11	<5	<0.1	0.02	7.5	0.54	0.1
S192878	Drill Core	0.213	4.9	144.1	1.24	143.6	0.178	2	1.58	0.127	1.01	0.2	4.0	0.09	<0.02	<5	0.2	<0.02	5.4	0.88	0.1
S192879	Drill Core	0.204	4.0	136.6	0.91	134.0	0.132	3	1.27	0.134	0.53	0.6	5.0	0.04	<0.02	6	<0.1	<0.02	4.6	0.51	0.3
S192880	Rock Pulp	0.069	4.5	21.1	0.61	58.9	0.042	5	1.76	0.054	0.31	1.3	2.5	0.28	2.11	47	3.9	0.71	4.8	3.63	<0.1
S192881	Drill Core	0.206	4.7	135.9	1.11	80.6	0.159	3	1.51	0.112	1.01	0.2	4.4	0.08	<0.02	<5	<0.1	<0.02	5.0	0.88	0.1
S192882	Drill Core	0.207	4.5	144.6	1.61	145.0	0.187	3	1.96	0.107	1.32	0.3	4.3	0.19	<0.02	8	<0.1	<0.02	6.5	4.45	0.1

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Project: TRX15-01
Report Date: December 08, 2015

CERTIFICATE OF ANALYSIS SMI15000113.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192853	Drill Core	0.09	0.05	52.5	0.2	<0.05	2.4	4.49	11.2	<0.02	<1	0.4	25.6	<10	5
S192854	Drill Core	0.09	0.05	62.2	0.1	<0.05	2.1	4.63	11.9	<0.02	<1	0.3	30.9	<10	4
S192855	Drill Core	0.07	0.08	57.7	0.2	<0.05	2.2	4.77	11.7	<0.02	<1	0.2	26.9	<10	4
S192856	Drill Core	0.10	0.06	50.9	0.2	<0.05	2.2	5.42	13.4	<0.02	<1	0.4	29.2	<10	4
S192857	Drill Core	0.06	0.07	62.1	0.1	<0.05	1.6	3.71	7.9	<0.02	<1	0.3	22.7	<10	4
S192858	Drill Core	0.13	0.10	41.1	0.2	<0.05	2.6	4.41	8.9	<0.02	<1	0.4	25.2	<10	4
S192859	Drill Core	0.08	0.07	30.9	0.2	<0.05	2.1	3.93	8.1	<0.02	<1	0.4	29.7	<10	5
S192860	Drill Core	0.08	0.06	43.1	0.1	<0.05	2.6	4.17	8.7	<0.02	<1	0.4	26.5	12	6
S192861	Drill Core	0.11	0.09	31.2	0.2	<0.05	2.7	4.51	9.8	<0.02	<1	0.4	26.1	12	4
S192862	Drill Core	0.09	0.04	37.6	0.2	<0.05	2.1	3.99	8.9	<0.02	<1	0.3	28.7	<10	4
S192863	Drill Core	0.10	0.08	29.6	0.2	<0.05	2.3	4.87	11.1	<0.02	<1	0.6	28.7	<10	4
S192864	Drill Core	0.08	0.05	22.1	0.3	<0.05	1.9	6.47	16.3	0.03	<1	0.6	26.1	<10	6
S192865	Drill Core	0.08	0.03	23.4	0.3	<0.05	1.8	6.41	16.1	<0.02	<1	0.8	22.6	<10	5
S192866	Drill Core	0.13	0.08	24.4	0.2	<0.05	3.5	5.49	11.9	<0.02	<1	0.5	18.3	<10	4
S192867	Drill Core	0.14	0.08	23.7	0.2	<0.05	3.5	5.50	11.3	<0.02	<1	0.4	18.4	11	5
S192868	Drill Core	0.15	0.09	20.0	0.1	<0.05	2.8	4.32	8.3	<0.02	<1	0.4	19.9	10	4
S192869	Drill Core	0.10	0.06	21.2	0.2	<0.05	2.9	4.71	9.5	<0.02	<1	0.2	16.8	<10	5
S192870	Drill Core	0.11	0.08	24.7	0.2	<0.05	2.5	4.16	8.9	<0.02	<1	0.3	21.1	14	4
S192871	Drill Core	0.13	0.06	21.9	0.2	<0.05	3.2	4.57	9.7	<0.02	<1	0.2	19.6	12	5
S192872	Drill Core	0.12	0.07	9.5	0.2	<0.05	3.6	4.56	9.6	<0.02	<1	0.3	17.8	12	4
S192873	Drill Core	0.13	0.07	5.5	0.1	<0.05	3.6	3.52	7.3	<0.02	<1	0.2	14.5	<10	4
S192874	Drill Core	0.10	0.07	36.7	0.2	<0.05	1.9	4.67	9.0	<0.02	1	0.4	24.4	11	4
S192875	Drill Core	0.14	0.09	21.1	0.2	<0.05	3.3	4.38	7.9	<0.02	<1	0.4	22.7	11	5
S192876	Drill Core	0.11	0.07	25.5	0.2	<0.05	2.6	4.39	8.5	<0.02	<1	0.2	21.1	<10	4
S192877	Drill Core	0.21	0.05	8.9	0.4	<0.05	4.6	10.33	10.4	0.02	<1	0.3	13.9	<10	<2
S192878	Drill Core	0.11	0.09	33.9	0.2	<0.05	2.4	5.15	9.6	<0.02	<1	0.3	19.6	<10	3
S192879	Drill Core	0.17	0.07	15.6	0.2	<0.05	4.4	4.45	8.3	<0.02	<1	0.4	16.7	<10	5
S192880	Rock Pulp	0.02	0.14	14.7	0.6	<0.05	0.8	4.67	9.3	0.11	271	0.3	17.2	<10	<2
S192881	Drill Core	0.07	0.07	35.5	0.2	<0.05	1.9	4.76	9.0	<0.02	<1	0.4	20.7	<10	4
S192882	Drill Core	0.07	0.11	45.1	0.2	<0.05	2.2	5.00	8.8	<0.02	<1	0.2	31.6	<10	6

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Project: TRX15-01
Report Date: December 08, 2015

CERTIFICATE OF ANALYSIS SMI15000113.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192883	Drill Core	7.55	0.15	5.34	10.13	84.5	34	3.7	4.0	561	2.29	<0.1	1.6	1.2	8.7	127.6	0.06	0.09	0.04	25	1.63
S192884	Drill Core	6.68	0.31	3.39	7.92	90.3	18	5.0	4.2	576	2.43	<0.1	1.3	0.5	8.6	176.2	0.03	0.07	<0.02	29	1.44
S192885 Dup of S192884	Core DUP	<0.01	0.29	3.41	7.85	86.8	13	4.8	4.1	551	2.45	0.3	1.4	0.7	8.4	170.3	0.05	0.12	<0.02	28	1.43
S192886	Drill Core	6.68	0.12	5.22	9.36	86.8	26	3.8	4.1	543	2.36	<0.1	1.5	1.1	8.1	149.8	0.03	0.08	<0.02	26	1.49
S192887	Drill Core	5.52	0.71	9.70	9.04	88.2	34	4.6	4.3	576	2.45	0.4	1.3	<0.2	8.0	133.7	0.08	0.10	0.06	30	1.56
S192888	Drill Core	6.06	2.63	162.27	4.98	54.2	169	50.8	19.5	747	3.06	0.8	0.5	1.3	1.4	220.9	0.19	0.09	0.61	130	5.58
S192889	Drill Core	7.39	0.97	177.41	2.78	42.7	100	46.4	17.7	535	2.62	0.6	0.5	2.8	1.3	175.3	0.07	0.10	0.10	99	3.97
S192890	Rock	0.89	0.06	0.62	0.12	0.4	<2	0.6	0.3	16	0.03	<0.1	1.5	<0.2	<0.1	3446.1	<0.01	<0.02	<0.02	<2	32.94
S192891	Drill Core	5.00	0.73	189.62	3.20	41.9	88	43.3	16.7	517	2.49	0.7	0.4	25.4	1.0	157.5	0.04	0.08	0.03	90	3.87
S192892	Drill Core	5.01	1.04	170.50	2.31	43.3	85	46.3	18.3	525	2.62	0.6	0.5	2.4	1.1	168.4	0.05	0.07	0.02	97	3.90
S192893	Drill Core	5.47	0.91	176.90	2.55	43.5	109	47.4	17.9	569	2.72	0.6	0.4	1.5	1.2	165.9	0.05	0.07	0.07	100	4.43
S192894	Drill Core	1.51	1.77	148.79	2.37	37.5	95	21.3	19.5	455	2.62	1.5	0.3	1.3	0.7	113.8	0.12	0.23	0.03	108	2.61
S192895	Drill Core	5.69	0.51	178.89	2.43	44.3	91	41.1	16.1	604	2.72	0.4	0.5	0.5	1.4	142.3	0.06	0.06	<0.02	101	4.96
S192896	Drill Core	7.39	0.56	162.74	2.35	46.3	93	48.3	19.4	574	2.93	0.5	0.5	1.2	1.5	153.4	0.05	0.08	0.03	108	3.90
S192897	Drill Core	5.32	0.45	165.57	2.37	46.9	81	48.5	19.1	551	2.80	0.9	0.4	1.5	1.4	131.8	0.04	0.06	<0.02	102	3.94
S192898	Drill Core	4.59	0.44	158.93	2.20	45.9	89	49.4	20.0	506	2.79	0.8	0.4	1.4	1.2	144.5	0.04	0.07	<0.02	100	3.81
S192899	Drill Core	7.77	0.64	169.62	2.78	43.2	89	44.4	17.3	609	2.60	1.0	0.5	0.4	1.4	138.3	0.04	0.05	<0.02	95	5.93
S192900	Drill Core	7.34	0.79	204.27	2.84	50.3	112	52.1	21.1	633	2.91	1.5	0.7	1.7	1.6	171.6	0.07	0.06	<0.02	113	5.26
S192901	Drill Core	6.94	0.53	185.99	2.59	44.4	91	51.7	19.9	497	2.73	0.7	0.5	0.3	1.3	115.0	0.04	0.04	<0.02	97	3.66
S192902	Drill Core	6.99	0.90	179.93	2.44	49.4	85	55.0	22.1	520	3.07	0.6	0.4	1.0	1.2	92.6	0.05	0.05	<0.02	108	2.01
S192903	Drill Core	1.40	0.38	161.26	3.68	46.2	89	51.9	21.4	624	2.93	1.2	0.5	0.2	1.0	219.9	0.04	0.20	<0.02	104	4.31
S192904	Drill Core	5.19	0.65	166.41	2.52	47.8	91	50.9	20.1	525	3.01	0.6	0.4	1.4	1.1	78.1	0.04	0.07	<0.02	105	1.95
S192905	Drill Core	2.39	0.65	170.73	2.39	49.9	92	51.7	20.6	551	3.10	0.7	0.4	1.3	1.2	75.6	0.05	0.06	<0.02	110	1.79
S192906	Drill Core	4.99	0.67	170.36	2.23	46.2	81	51.3	20.1	482	2.93	0.5	0.4	1.0	1.1	95.9	0.04	0.06	<0.02	100	1.61
S192907	Drill Core	6.43	0.80	176.55	2.60	46.6	92	50.2	19.0	485	2.99	0.4	0.5	0.7	1.2	100.0	0.04	0.04	<0.02	103	2.00
S192908	Drill Core	4.39	0.72	180.70	4.60	48.6	102	49.7	20.8	587	2.97	1.9	0.6	2.8	1.6	125.0	0.06	0.07	<0.02	105	4.18
S192909	Drill Core	4.20	1.55	174.05	4.02	55.6	89	65.5	25.6	512	3.20	1.9	0.5	1.4	1.6	92.0	0.07	0.04	<0.02	111	2.39
S192910	Drill Core	7.71	0.98	171.67	2.85	49.6	90	53.4	20.6	485	3.22	0.4	0.6	0.9	1.4	89.4	0.04	0.05	<0.02	107	1.78
S192911	Drill Core	2.67	1.06	157.36	5.10	37.0	81	44.1	16.9	446	2.48	0.7	0.5	2.4	1.4	126.8	0.05	0.11	<0.02	78	3.12
S192912	Drill Core	7.61	1.05	172.73	2.64	47.6	87	53.0	20.0	499	2.98	0.4	0.6	1.5	1.4	114.9	0.03	0.04	<0.02	103	2.08

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	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192883	Drill Core	0.074	13.9	8.9	0.55	72.7	0.116	3	1.63	0.140	0.56	<0.1	3.2	0.25	<0.02	<5	<0.1	<0.02	7.3	1.57	<0.1
S192884	Drill Core	0.071	14.3	10.4	0.57	75.3	0.132	2	2.03	0.221	0.72	<0.1	3.9	0.35	<0.02	6	<0.1	<0.02	9.1	2.14	<0.1
S192885 Dup of S192884	Core DUP	0.076	14.0	9.8	0.58	73.2	0.127	2	2.02	0.217	0.73	<0.1	3.7	0.33	<0.02	<5	<0.1	<0.02	8.8	2.12	0.1
S192886	Drill Core	0.070	15.3	10.1	0.55	71.2	0.123	4	1.69	0.160	0.59	<0.1	3.4	0.24	<0.02	<5	0.1	<0.02	7.5	1.25	<0.1
S192887	Drill Core	0.075	14.2	9.9	0.57	91.3	0.132	2	1.76	0.163	0.75	0.1	3.7	0.31	0.02	9	0.4	<0.02	7.8	1.90	<0.1
S192888	Drill Core	0.212	5.0	149.8	1.51	134.3	0.187	3	1.93	0.078	1.35	0.4	3.5	0.33	<0.02	<5	<0.1	0.02	6.4	6.95	0.2
S192889	Drill Core	0.223	5.0	134.1	1.33	84.6	0.156	3	1.60	0.096	1.11	0.3	3.4	0.12	<0.02	<5	<0.1	<0.02	4.9	2.95	0.1
S192890	Rock	0.004	<0.5	1.2	1.07	3.7	0.001	<1	0.02	0.002	<0.01	<0.1	0.2	<0.02	0.30	<5	0.1	0.33	<0.1	<0.02	<0.1
S192891	Drill Core	0.220	4.2	130.4	1.29	60.3	0.143	2	1.52	0.071	1.01	0.2	2.8	0.10	<0.02	<5	<0.1	<0.02	4.9	2.68	<0.1
S192892	Drill Core	0.220	4.0	137.5	1.40	67.3	0.160	3	1.64	0.079	1.18	0.2	3.1	0.12	<0.02	<5	<0.1	0.03	5.3	3.09	<0.1
S192893	Drill Core	0.220	5.0	129.0	1.24	72.5	0.152	3	1.54	0.095	1.02	0.3	3.7	0.10	<0.02	5	<0.1	0.05	4.9	2.22	0.1
S192894	Drill Core	0.117	2.7	52.3	1.35	36.4	0.182	4	1.38	0.213	0.29	0.2	9.0	0.04	0.19	<5	0.1	<0.02	4.9	0.76	0.1
S192895	Drill Core	0.225	5.6	131.0	1.21	72.1	0.157	3	1.54	0.083	1.14	0.3	3.2	0.10	<0.02	5	<0.1	0.04	5.2	2.67	0.1
S192896	Drill Core	0.220	6.2	145.1	1.38	103.8	0.186	3	1.76	0.121	1.32	0.2	4.2	0.09	<0.02	<5	<0.1	0.03	5.5	2.37	0.1
S192897	Drill Core	0.215	5.0	137.8	1.27	96.7	0.164	3	1.62	0.113	1.16	0.2	3.7	0.08	<0.02	6	0.1	0.02	5.6	1.94	0.1
S192898	Drill Core	0.215	4.2	139.9	1.34	118.6	0.166	3	1.60	0.109	1.16	0.2	3.7	0.07	<0.02	5	<0.1	<0.02	5.2	1.96	0.1
S192899	Drill Core	0.217	5.4	127.0	1.10	79.1	0.146	2	1.44	0.094	0.99	0.2	3.2	0.05	<0.02	10	0.3	0.05	4.7	1.37	0.1
S192900	Drill Core	0.207	6.4	143.5	1.14	95.2	0.167	2	1.66	0.115	1.11	0.2	4.1	0.08	<0.02	<5	0.2	0.03	5.8	2.82	0.1
S192901	Drill Core	0.227	6.3	127.0	1.38	69.5	0.161	3	1.65	0.089	1.10	0.1	3.6	0.05	<0.02	<5	<0.1	<0.02	5.3	1.52	0.1
S192902	Drill Core	0.221	6.0	143.0	1.94	87.0	0.183	3	2.09	0.098	1.59	0.2	3.7	0.06	0.04	<5	<0.1	<0.02	6.2	2.55	0.1
S192903	Drill Core	0.213	4.8	125.9	2.16	47.2	0.162	3	1.97	0.061	0.94	0.2	4.9	0.06	0.18	<5	<0.1	<0.02	6.3	2.50	0.1
S192904	Drill Core	0.224	5.2	144.0	2.01	80.1	0.168	3	2.06	0.069	1.44	0.2	2.8	0.09	<0.02	<5	<0.1	<0.02	6.3	2.95	0.1
S192905	Drill Core	0.227	5.1	146.9	2.08	75.1	0.169	2	2.11	0.067	1.47	0.2	3.2	0.10	0.03	<5	<0.1	<0.02	6.5	3.10	0.1
S192906	Drill Core	0.217	5.3	146.3	1.93	57.9	0.158	3	2.13	0.067	1.43	0.1	2.9	0.10	<0.02	<5	<0.1	<0.02	6.2	3.59	0.1
S192907	Drill Core	0.225	5.1	148.4	1.76	84.0	0.157	3	2.07	0.073	1.44	0.2	2.6	0.11	<0.02	<5	<0.1	0.02	6.2	3.75	0.1
S192908	Drill Core	0.215	5.6	147.2	1.55	203.0	0.157	23	1.90	0.097	0.93	0.4	3.7	0.06	<0.02	<5	0.1	0.05	5.9	2.03	0.1
S192909	Drill Core	0.224	7.7	154.9	1.74	94.1	0.180	2	2.08	0.073	1.37	0.1	3.1	0.08	<0.02	<5	0.2	<0.02	7.1	1.91	0.1
S192910	Drill Core	0.223	6.7	153.4	1.88	76.4	0.158	2	2.27	0.075	1.60	0.1	2.3	0.10	<0.02	<5	0.1	<0.02	7.1	3.31	0.1
S192911	Drill Core	0.231	7.1	125.4	1.39	44.4	0.138	3	1.63	0.069	0.79	0.2	2.5	0.05	<0.02	7	<0.1	<0.02	5.2	1.46	0.1
S192912	Drill Core	0.229	7.7	145.0	1.74	73.5	0.163	2	2.09	0.089	1.42	<0.1	2.6	0.10	<0.02	<5	0.1	<0.02	6.3	4.59	<0.1

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Project: TRX15-01
Report Date: December 08, 2015

CERTIFICATE OF ANALYSIS SMI15000113.1

Method		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192883	Drill Core	0.21	0.72	39.7	0.9	<0.05	5.7	5.06	27.4	<0.02	<1	0.3	18.7	<10	<2
S192884	Drill Core	0.17	0.80	54.3	1.0	<0.05	5.0	5.04	27.3	0.02	<1	0.4	22.8	<10	<2
S192885 Dup of S192884	Core DUP	0.17	0.72	54.0	1.0	<0.05	4.6	4.86	27.3	<0.02	<1	0.4	23.2	<10	<2
S192886	Drill Core	0.15	0.82	39.0	1.0	<0.05	4.3	5.07	29.6	0.03	<1	0.3	19.2	<10	<2
S192887	Drill Core	0.12	0.68	50.5	1.1	<0.05	3.5	4.78	27.7	0.03	1	0.4	22.4	<10	<2
S192888	Drill Core	0.09	0.08	59.7	0.2	<0.05	1.4	5.00	9.6	<0.02	<1	0.3	33.3	13	5
S192889	Drill Core	0.09	0.05	34.4	0.2	<0.05	2.1	4.90	9.8	<0.02	<1	0.3	28.3	10	4
S192890	Rock	<0.02	0.04	0.1	<0.1	<0.05	0.1	0.18	0.2	<0.02	<1	<0.1	0.3	<10	<2
S192891	Drill Core	0.07	0.04	33.8	0.2	<0.05	1.6	4.36	7.9	<0.02	<1	0.2	28.3	<10	4
S192892	Drill Core	0.09	0.05	40.5	0.2	<0.05	1.7	4.51	7.8	<0.02	<1	0.1	29.6	<10	4
S192893	Drill Core	0.09	0.05	33.5	0.2	<0.05	1.9	4.92	9.5	<0.02	<1	0.2	23.2	<10	5
S192894	Drill Core	0.24	0.05	7.6	0.3	<0.05	6.7	7.02	6.3	<0.02	<1	0.2	11.0	<10	6
S192895	Drill Core	0.07	0.05	37.4	0.2	<0.05	1.7	5.13	10.8	<0.02	<1	0.2	24.2	<10	5
S192896	Drill Core	0.08	0.10	36.6	0.2	<0.05	2.1	5.48	11.8	<0.02	<1	<0.1	26.8	<10	6
S192897	Drill Core	0.09	0.08	30.6	0.2	<0.05	2.2	4.87	9.6	<0.02	<1	0.3	24.8	<10	4
S192898	Drill Core	0.10	0.08	30.6	0.1	<0.05	2.0	4.71	8.2	<0.02	<1	0.1	27.1	<10	5
S192899	Drill Core	0.07	0.05	25.9	0.1	<0.05	1.8	4.97	9.9	<0.02	<1	0.2	22.8	<10	7
S192900	Drill Core	0.09	0.11	36.6	0.2	<0.05	1.8	5.23	11.8	<0.02	<1	0.2	23.7	<10	6
S192901	Drill Core	0.09	0.06	30.4	0.1	<0.05	2.0	5.32	11.9	<0.02	<1	0.2	22.4	<10	4
S192902	Drill Core	0.08	0.06	39.4	0.2	<0.05	2.2	5.51	11.4	<0.02	<1	0.2	29.2	<10	3
S192903	Drill Core	0.12	0.10	29.2	0.2	<0.05	2.9	4.67	9.4	<0.02	<1	0.3	26.4	<10	5
S192904	Drill Core	0.06	0.05	39.3	0.1	<0.05	2.1	5.10	9.9	<0.02	<1	0.2	26.9	<10	4
S192905	Drill Core	0.08	0.05	40.6	0.2	<0.05	1.7	5.28	9.9	<0.02	<1	0.3	28.5	<10	6
S192906	Drill Core	0.05	0.06	49.3	0.2	<0.05	1.6	5.03	10.1	<0.02	<1	0.1	31.0	<10	6
S192907	Drill Core	0.04	0.05	48.4	0.2	<0.05	1.4	5.20	10.0	<0.02	<1	0.5	32.5	<10	5
S192908	Drill Core	0.09	0.08	24.0	0.2	<0.05	2.6	5.17	10.7	<0.02	<1	0.3	29.5	11	5
S192909	Drill Core	0.08	0.09	39.7	0.2	<0.05	1.8	6.51	14.1	<0.02	<1	0.2	29.0	<10	6
S192910	Drill Core	0.04	0.04	51.4	0.2	<0.05	1.2	5.74	12.9	<0.02	<1	0.2	37.2	<10	5
S192911	Drill Core	0.10	0.06	23.3	0.1	<0.05	2.4	5.66	13.3	<0.02	<1	0.3	20.6	<10	4
S192912	Drill Core	0.07	0.05	50.2	0.2	<0.05	2.0	5.91	14.6	<0.02	<1	0.2	32.1	<10	3

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Project: TRX15-01
Report Date: December 08, 2015

CERTIFICATE OF ANALYSIS SMI15000113.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192913	Drill Core	7.85	0.81	177.73	1.97	47.1	79	51.4	19.7	463	3.01	0.3	0.5	1.1	1.2	110.6	0.03	0.04	<0.02	102	1.49
S192914	Drill Core	5.95	1.01	172.08	2.40	49.9	95	55.0	21.5	598	3.43	0.3	0.6	1.2	1.4	173.9	0.03	0.06	<0.02	120	2.18
S192915	Drill Core	6.56	0.92	171.73	2.56	50.0	93	52.8	19.9	498	3.12	1.1	0.5	2.7	1.3	119.6	0.04	0.08	<0.02	108	1.79
S192916	Drill Core	4.45	0.53	174.50	3.14	45.5	107	51.2	19.0	482	2.96	0.4	0.5	3.2	1.5	86.2	0.06	0.09	<0.02	101	1.43
S192917	Drill Core	4.60	0.43	169.20	3.10	47.0	95	51.2	19.4	487	2.95	1.2	0.5	1.6	1.3	107.8	0.03	0.21	<0.02	93	1.99
S192918	Drill Core	0.92	0.66	175.74	3.19	73.6	176	67.6	27.3	926	4.90	22.6	0.6	1.1	1.6	441.3	0.02	1.92	<0.02	171	5.45
S192919	Drill Core	7.20	0.75	168.95	2.70	46.6	88	49.2	18.8	462	2.88	0.1	0.5	1.0	1.3	115.6	0.05	0.06	<0.02	92	2.07
S192920	Rock Pulp	0.12	279.83	2448.17	76.40	466.5	2702	14.1	11.1	760	4.27	27.4	0.7	309.7	3.3	51.3	2.33	1.49	1.06	31	0.84
S192921	Drill Core	7.77	1.00	175.47	2.39	46.5	89	52.2	19.8	470	3.07	0.1	0.5	2.1	1.5	152.2	0.04	0.04	<0.02	104	1.80
S192922	Drill Core	7.20	0.86	169.18	2.94	48.9	96	54.0	20.8	496	3.21	3.0	0.6	1.8	1.5	166.3	0.06	0.19	<0.02	111	2.55
S192923	Drill Core	6.82	0.75	178.89	2.85	46.8	93	56.2	20.8	488	3.18	2.7	0.6	<0.2	1.7	155.1	0.06	0.08	0.02	108	2.62
S192924	Drill Core	3.50	1.26	159.96	11.88	106.1	201	44.0	19.3	1126	3.24	9.7	0.8	1.2	2.1	144.1	0.51	0.07	0.08	126	6.24
S192925 Dup of S192924	Core DUP	<0.01	1.25	154.46	11.60	105.7	203	43.7	19.5	1113	3.23	9.6	0.9	1.5	2.2	142.3	0.46	0.07	0.08	126	6.05
S192926	Drill Core	3.04	2.70	181.62	2.46	53.3	222	12.7	20.7	573	3.40	3.5	0.3	114.4	1.1	70.8	0.13	0.15	0.05	130	1.89
S192927	Drill Core	3.54	2.67	20.32	1.33	60.6	35	15.5	16.1	618	3.87	1.9	0.2	13.7	1.0	35.8	0.07	0.04	0.03	163	1.32
S192928	Drill Core	3.19	2.94	26.23	1.48	60.7	37	16.6	16.0	660	3.93	2.5	0.2	3.8	0.9	48.1	0.07	0.05	0.03	167	1.65
S192929	Drill Core	6.14	2.00	188.50	2.48	50.7	189	11.6	19.1	530	3.43	2.6	0.3	10.9	1.0	91.3	0.13	0.12	0.02	133	2.09
S192930	Rock	0.85	0.06	0.36	0.08	0.2	2	1.4	0.4	17	0.04	0.3	1.5	<0.2	<0.1	3558.2	<0.01	<0.02	<0.02	<2	33.98
S192931	Drill Core	4.73	2.09	174.54	1.69	49.5	166	11.3	18.7	525	3.48	1.6	0.3	8.3	1.2	69.9	0.10	0.08	0.03	140	1.58
S192932	Drill Core	6.47	2.44	182.81	1.47	45.2	156	10.9	19.3	553	3.48	1.4	0.3	8.2	1.1	68.1	0.08	0.07	0.03	141	1.76
S192933	Drill Core	7.00	2.42	176.54	2.23	47.3	124	12.2	20.4	579	3.53	2.4	0.3	6.8	1.2	78.0	0.11	0.12	0.04	145	2.17
S192934	Drill Core	3.84	1.91	9.18	9.44	84.6	105	4.3	4.3	583	2.53	1.9	1.7	11.2	6.4	93.0	0.19	0.11	0.69	32	1.39
S192935	Drill Core	4.47	0.23	26.01	8.85	84.4	54	4.6	4.6	549	2.63	1.3	1.7	6.1	4.7	86.0	0.07	0.13	0.41	33	0.94
S192936	Drill Core	6.03	0.40	13.83	8.38	84.3	28	5.7	4.4	572	2.67	3.0	1.7	2.1	5.3	74.1	0.05	0.20	0.03	32	1.20
S192937	Drill Core	2.39	1.79	95.92	3.37	37.7	65	57.4	24.7	792	3.35	65.0	0.7	<0.2	2.4	364.5	0.07	1.50	0.04	97	4.56
S192938	Drill Core	2.74	0.47	23.02	6.49	72.4	26	9.1	6.0	526	2.57	41.1	1.6	<0.2	6.0	118.2	0.08	0.67	0.03	31	1.74
S192939	Drill Core	6.45	0.43	6.34	8.15	89.1	19	6.5	4.6	650	2.65	1.1	1.6	<0.2	6.9	117.9	0.04	0.15	<0.02	32	1.32
S192940	Drill Core	6.29	0.14	5.46	7.96	91.7	25	5.1	4.5	638	2.62	4.2	1.5	<0.2	4.3	101.4	0.04	0.12	0.03	34	1.08
S192941	Drill Core	3.76	0.47	15.39	8.21	87.7	31	5.7	4.8	510	2.48	1.0	1.5	0.8	4.0	104.8	0.07	0.12	0.08	32	1.03
S192942	Drill Core	4.09	6.96	90.77	10.13	59.7	86	33.2	12.8	536	2.65	2.0	1.1	0.8	3.1	98.4	0.07	0.08	0.18	66	1.38

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	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192913	Drill Core	0.218	7.1	142.2	1.83	66.6	0.153	1	2.17	0.086	1.57	<0.1	2.2	0.12	<0.02	<5	<0.1	0.02	6.2	6.69	0.1
S192914	Drill Core	0.223	7.8	153.6	2.22	78.2	0.180	2	2.39	0.111	1.50	0.1	4.1	0.10	<0.02	9	<0.1	<0.02	6.8	5.55	0.1
S192915	Drill Core	0.226	7.3	147.5	1.90	70.0	0.157	2	2.19	0.083	1.36	0.1	2.7	0.11	<0.02	<5	<0.1	0.02	6.7	4.35	0.1
S192916	Drill Core	0.225	7.7	145.7	1.87	95.5	0.171	2	2.08	0.073	1.42	0.1	2.3	0.10	<0.02	<5	<0.1	0.02	6.4	2.83	<0.1
S192917	Drill Core	0.230	7.2	143.1	1.88	59.0	0.134	1	1.94	0.070	0.81	0.1	3.2	0.06	<0.02	<5	<0.1	<0.02	6.0	1.71	0.1
S192918	Drill Core	0.214	11.1	179.3	3.51	28.1	0.048	4	3.03	0.037	0.23	0.1	14.5	0.08	<0.02	<5	0.1	0.04	9.9	1.59	0.1
S192919	Drill Core	0.224	7.3	139.7	1.73	58.6	0.139	2	1.99	0.068	1.16	0.1	2.2	0.10	<0.02	<5	<0.1	<0.02	5.9	3.53	<0.1
S192920	Rock Pulp	0.071	4.5	20.9	0.62	59.4	0.042	5	1.77	0.054	0.31	1.3	2.5	0.28	2.16	43	3.6	0.75	5.0	3.79	<0.1
S192921	Drill Core	0.211	7.5	153.1	1.75	79.7	0.170	2	2.30	0.129	1.52	<0.1	2.4	0.16	<0.02	<5	<0.1	<0.02	6.6	6.65	<0.1
S192922	Drill Core	0.228	7.0	151.6	1.90	63.2	0.159	2	2.27	0.088	1.17	0.1	3.9	0.14	<0.02	<5	0.2	0.02	7.1	4.41	0.1
S192923	Drill Core	0.245	7.1	166.2	1.50	67.3	0.173	3	2.29	0.118	1.19	0.1	2.6	0.16	0.04	6	<0.1	<0.02	6.8	4.26	0.1
S192924	Drill Core	0.233	7.5	159.4	1.19	251.2	0.188	1	1.90	0.121	0.98	0.6	3.8	0.12	0.05	<5	0.3	<0.02	5.9	1.44	0.1
S192925 Dup of S192924	Core DUP	0.227	7.3	166.4	1.19	241.3	0.191	1	1.90	0.123	0.99	0.6	3.9	0.11	0.05	<5	0.2	0.03	5.9	1.40	0.2
S192926	Drill Core	0.175	4.7	21.2	1.13	73.3	0.183	13	1.80	0.103	0.40	0.2	4.6	0.06	0.14	<5	0.2	<0.02	6.2	0.57	0.1
S192927	Drill Core	0.130	4.4	35.5	1.47	360.1	0.278	1	2.18	0.116	1.31	0.2	5.3	0.14	0.08	<5	<0.1	<0.02	7.8	1.44	0.2
S192928	Drill Core	0.128	5.0	36.3	1.50	216.5	0.261	1	2.24	0.122	1.13	0.2	5.5	0.12	0.05	<5	0.1	<0.02	8.0	1.25	0.2
S192929	Drill Core	0.172	4.7	18.7	1.12	54.0	0.179	8	1.85	0.107	0.39	0.1	5.0	0.05	0.06	<5	0.2	<0.02	6.9	0.60	0.1
S192930	Rock	0.005	<0.5	0.9	1.28	3.6	<0.001	<1	0.02	0.002	<0.01	<0.1	0.2	<0.02	0.14	<5	0.1	0.38	<0.1	<0.02	<0.1
S192931	Drill Core	0.165	5.0	18.1	1.13	71.6	0.191	3	1.78	0.113	0.57	0.1	5.2	0.07	0.05	<5	<0.1	0.03	6.5	0.81	0.1
S192932	Drill Core	0.173	4.9	18.1	1.16	62.5	0.183	3	1.80	0.128	0.51	0.1	5.8	0.06	0.08	<5	0.1	<0.02	6.5	0.72	0.1
S192933	Drill Core	0.170	5.4	20.4	1.17	64.7	0.204	3	1.80	0.134	0.43	0.2	6.3	0.08	0.15	<5	0.1	0.03	7.2	0.63	0.1
S192934	Drill Core	0.082	18.3	6.4	0.59	36.5	0.120	2	1.41	0.095	0.47	0.3	3.8	0.22	0.13	<5	0.2	0.02	7.9	1.26	<0.1
S192935	Drill Core	0.080	17.8	7.7	0.58	48.5	0.139	3	1.38	0.113	0.50	0.2	4.0	0.21	0.13	<5	0.2	0.03	8.0	1.16	0.2
S192936	Drill Core	0.080	20.6	13.5	0.61	42.9	0.121	3	1.37	0.103	0.35	0.2	3.8	0.14	0.08	7	0.1	<0.02	8.4	0.76	0.1
S192937	Drill Core	0.198	11.2	114.8	2.09	55.2	0.100	3	2.13	0.133	0.61	0.4	6.7	0.14	0.13	<5	0.1	0.07	5.5	1.51	<0.1
S192938	Drill Core	0.092	24.2	20.7	0.59	55.0	0.098	3	1.43	0.095	0.54	0.2	3.3	0.20	0.08	8	0.1	<0.02	6.5	1.24	<0.1
S192939	Drill Core	0.079	24.6	12.6	0.70	80.7	0.157	2	1.85	0.169	0.76	0.1	4.4	0.34	0.02	<5	0.1	<0.02	8.4	1.94	0.1
S192940	Drill Core	0.080	17.8	12.0	0.61	75.8	0.158	2	1.63	0.121	0.79	0.1	4.6	0.34	0.02	<5	0.2	<0.02	7.9	1.63	0.1
S192941	Drill Core	0.086	17.6	10.7	0.57	41.1	0.138	2	1.27	0.108	0.42	0.2	3.5	0.15	0.06	<5	0.1	<0.02	8.1	0.78	0.2
S192942	Drill Core	0.168	13.6	92.3	1.11	38.5	0.146	2	1.57	0.107	0.39	0.4	3.0	0.09	0.05	<5	0.1	<0.02	7.0	0.60	<0.1

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Project: TRX15-01
Report Date: December 08, 2015

CERTIFICATE OF ANALYSIS SMI15000113.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192913	Drill Core	0.04	0.05	59.6	0.2	<0.05	1.7	5.50	13.4	<0.02	<1	0.1	29.8	<10	4
S192914	Drill Core	0.08	0.07	54.1	0.2	<0.05	2.6	6.19	14.9	<0.02	<1	0.3	19.4	10	3
S192915	Drill Core	0.05	0.05	47.6	0.2	<0.05	1.9	6.11	14.5	<0.02	<1	0.2	23.4	<10	4
S192916	Drill Core	0.06	0.04	38.8	0.2	<0.05	2.0	6.25	14.9	<0.02	<1	0.2	34.0	<10	5
S192917	Drill Core	0.08	0.05	22.2	0.2	<0.05	2.0	5.91	14.0	<0.02	<1	0.2	26.4	<10	5
S192918	Drill Core	0.12	0.03	13.4	0.1	<0.05	2.0	7.87	20.2	0.03	<1	0.8	37.6	11	7
S192919	Drill Core	0.05	0.05	41.4	0.2	<0.05	1.5	6.00	14.0	<0.02	<1	0.2	31.5	<10	5
S192920	Rock Pulp	0.03	0.16	14.9	0.6	<0.05	0.8	4.58	9.3	0.11	257	0.3	16.5	<10	<2
S192921	Drill Core	0.06	0.06	61.3	0.1	<0.05	1.6	6.05	14.2	<0.02	<1	0.4	29.6	11	6
S192922	Drill Core	0.07	0.06	45.4	0.2	<0.05	1.9	6.24	13.4	<0.02	<1	0.4	29.4	10	4
S192923	Drill Core	0.07	0.06	49.4	0.2	<0.05	2.1	5.72	14.2	<0.02	<1	0.4	34.4	<10	4
S192924	Drill Core	0.11	0.08	31.4	0.5	<0.05	2.7	5.30	14.6	<0.02	<1	0.2	26.9	<10	6
S192925 Dup of S192924	Core DUP	0.12	0.09	30.5	0.5	<0.05	2.8	5.34	14.5	<0.02	<1	0.2	24.8	<10	4
S192926	Drill Core	0.13	0.06	12.7	0.2	<0.05	2.7	6.76	10.7	<0.02	1	0.3	20.1	<10	5
S192927	Drill Core	0.09	0.05	30.7	0.2	<0.05	2.0	8.09	10.4	<0.02	<1	0.2	30.8	<10	<2
S192928	Drill Core	0.07	0.05	28.6	0.2	<0.05	1.9	8.56	11.4	<0.02	<1	0.1	27.9	<10	<2
S192929	Drill Core	0.12	0.05	12.9	0.2	<0.05	2.8	6.54	10.2	<0.02	<1	0.2	20.5	<10	3
S192930	Rock	<0.02	0.05	<0.1	<0.1	<0.05	0.1	0.17	0.2	<0.02	<1	<0.1	0.2	<10	<2
S192931	Drill Core	0.14	0.04	16.9	0.2	<0.05	2.8	6.28	11.4	<0.02	1	0.3	22.2	11	6
S192932	Drill Core	0.13	0.04	15.7	0.2	<0.05	3.0	6.64	10.9	<0.02	<1	0.2	20.4	<10	5
S192933	Drill Core	0.17	0.06	14.3	0.2	<0.05	3.4	7.23	11.8	<0.02	<1	0.2	21.3	<10	6
S192934	Drill Core	0.11	0.74	36.5	1.1	<0.05	2.2	6.69	36.3	0.03	1	0.4	12.4	<10	<2
S192935	Drill Core	0.08	0.82	35.5	1.0	<0.05	1.6	6.34	34.7	0.03	<1	0.2	12.0	<10	<2
S192936	Drill Core	0.07	0.70	23.1	0.9	<0.05	2.0	6.76	39.5	0.02	<1	0.2	10.6	<10	<2
S192937	Drill Core	0.08	0.04	28.4	0.2	<0.05	2.2	6.84	21.8	<0.02	<1	0.7	11.5	<10	5
S192938	Drill Core	0.09	0.36	35.9	0.6	<0.05	2.2	6.99	45.3	0.02	2	0.4	8.5	<10	<2
S192939	Drill Core	0.11	0.69	60.2	1.2	<0.05	2.8	7.27	47.4	0.02	1	0.4	17.4	<10	<2
S192940	Drill Core	0.08	0.70	58.7	1.1	<0.05	2.0	6.26	35.0	0.02	<1	0.2	15.6	<10	<2
S192941	Drill Core	0.12	0.78	25.3	0.9	<0.05	2.4	6.59	34.1	0.02	<1	0.2	8.9	<10	<2
S192942	Drill Core	0.11	0.34	18.1	0.4	<0.05	2.3	6.32	26.1	<0.02	<1	0.3	14.9	<10	<2

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Project: TRX15-01
Report Date: December 08, 2015

CERTIFICATE OF ANALYSIS SMI15000113.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
S192943	Drill Core	4.10	3.10	101.63	3.90	56.3	86	60.4	23.1	510	3.37	1.4	0.7	3.0	2.1	147.5	0.08	0.06	0.06	117	1.64
S192944	Drill Core	1.37	6.64	108.69	6.10	59.4	81	63.6	24.0	619	3.60	3.4	0.7	0.6	2.3	107.0	0.06	0.09	0.08	120	1.98
S192945	Drill Core	1.25	13.02	111.32	5.20	54.8	79	65.9	24.3	628	3.51	3.2	0.6	1.0	2.2	97.6	0.06	0.10	0.08	119	1.78
S192946	Drill Core	3.24	9.41	124.41	5.33	60.8	83	63.4	23.6	519	3.32	3.1	0.7	0.7	2.2	88.7	0.06	0.21	0.13	106	1.87
S192947	Drill Core	1.26	3.88	29.82	7.06	34.3	39	36.1	16.8	978	3.66	91.1	1.1	<0.2	3.8	335.5	0.09	1.48	0.26	46	6.53
S192948	Drill Core	1.95	1.60	106.76	6.48	59.9	88	62.1	25.7	901	3.92	40.5	0.8	<0.2	2.6	174.5	0.10	0.87	0.16	121	3.69
S192949	Drill Core	4.31	11.63	176.53	4.02	56.8	126	69.5	27.7	532	3.62	1.2	0.6	<0.2	1.6	89.5	0.06	0.17	0.03	117	2.21
S192950	Drill Core	3.18	0.82	542.17	5.18	78.3	374	81.8	29.9	475	3.85	1.1	0.8	1.7	1.8	76.3	0.24	0.09	0.06	119	2.98
S192951	Drill Core	4.41	0.40	220.17	6.40	69.5	179	78.3	30.3	603	3.85	0.7	0.7	<0.2	1.8	129.7	0.14	0.12	0.05	134	4.93
S192952	Drill Core	4.37	3.02	316.08	3.90	62.5	211	99.3	39.1	405	3.66	1.3	0.8	<0.2	2.0	76.4	0.08	0.07	0.07	107	2.46
S192953	Drill Core	3.62	0.58	234.01	3.56	66.2	150	83.2	33.2	458	3.95	1.1	0.5	<0.2	1.9	125.8	0.05	0.14	0.06	125	2.03
S192954	Drill Core	3.46	1.67	298.62	3.86	62.7	176	85.9	32.3	460	3.78	0.9	0.5	<0.2	1.7	156.6	0.06	0.23	0.08	107	3.30
S192955	Drill Core	1.87	0.46	29.49	6.04	70.7	47	5.2	5.0	541	2.69	0.5	1.5	<0.2	7.9	163.3	0.03	0.50	0.03	34	1.18
S192956	Rock Pulp	0.12	252.86	4839.32	3.78	53.9	649	37.0	12.3	489	3.73	5.9	0.3	409.0	0.9	39.8	0.28	0.64	0.10	68	0.92

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CERTIFICATE OF ANALYSIS SMI15000113.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
S192943	Drill Core	0.249	9.3	176.1	1.96	83.8	0.200	<1	2.71	0.166	1.36	0.3	2.8	0.26	0.04	<5	<0.1	0.05	7.9	1.95	0.1
S192944	Drill Core	0.232	9.8	173.2	1.90	68.6	0.185	<1	2.36	0.117	1.03	0.3	3.4	0.24	0.08	<5	0.1	0.04	8.1	1.63	0.2
S192945	Drill Core	0.233	9.5	169.0	1.91	64.5	0.180	1	2.36	0.111	1.00	0.3	3.2	0.23	0.08	<5	0.1	0.03	8.2	1.70	0.1
S192946	Drill Core	0.230	9.2	152.5	1.73	63.7	0.176	<1	2.15	0.103	0.96	0.4	2.8	0.24	0.21	<5	0.2	0.05	6.9	1.57	0.1
S192947	Drill Core	0.139	10.6	40.7	1.02	26.1	0.022	3	1.48	0.054	0.31	0.1	7.4	0.09	0.21	<5	0.2	0.04	4.0	0.63	<0.1
S192948	Drill Core	0.200	10.5	148.2	2.22	43.6	0.131	1	2.32	0.064	0.50	0.3	7.7	0.19	0.13	<5	0.2	0.06	8.2	2.02	<0.1
S192949	Drill Core	0.236	5.7	175.7	2.07	248.6	0.197	1	2.30	0.088	0.91	0.2	3.4	0.18	0.23	<5	0.1	0.04	7.6	2.13	0.1
S192950	Drill Core	0.233	6.9	144.9	1.61	246.7	0.207	1	2.15	0.112	1.24	0.3	2.9	0.25	0.56	8	0.3	0.12	7.6	2.17	0.1
S192951	Drill Core	0.235	7.2	163.4	1.57	195.6	0.206	1	2.36	0.116	1.02	0.2	4.4	0.18	0.37	<5	0.3	0.07	7.8	1.74	0.1
S192952	Drill Core	0.222	8.0	127.0	1.34	184.0	0.189	<1	1.83	0.118	0.81	0.4	3.8	0.17	0.74	<5	0.8	0.17	6.7	1.83	0.1
S192953	Drill Core	0.249	7.3	155.4	1.83	229.1	0.207	<1	2.49	0.155	1.12	0.2	4.0	0.27	0.35	<5	0.4	0.09	8.2	3.13	0.1
S192954	Drill Core	0.250	6.5	146.4	1.53	212.1	0.182	<1	2.14	0.122	0.74	0.3	3.6	0.18	0.47	<5	0.6	0.13	7.1	2.12	0.1
S192955	Drill Core	0.082	24.6	9.8	0.58	58.0	0.159	1	1.53	0.142	0.52	0.2	4.5	0.22	0.21	<5	0.3	0.09	7.9	1.35	0.2
S192956	Rock Pulp	0.059	4.3	37.0	0.86	103.2	0.153	4	1.81	0.112	0.15	0.2	5.2	0.07	0.63	35	0.7	0.07	5.6	0.43	<0.1

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Project: TRX15-01
Report Date: December 08, 2015

CERTIFICATE OF ANALYSIS SMI15000113.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
S192943	Drill Core	0.08	0.06	56.9	0.2	<0.05	2.7	6.55	17.5	<0.02	2	0.4	25.5	<10	4
S192944	Drill Core	0.09	0.09	46.1	0.3	<0.05	2.7	6.56	18.8	<0.02	4	0.5	23.2	<10	5
S192945	Drill Core	0.09	0.08	45.3	0.3	<0.05	2.7	6.36	17.9	<0.02	2	0.4	23.3	<10	4
S192946	Drill Core	0.09	0.10	43.8	0.3	<0.05	2.4	6.15	17.5	<0.02	1	0.4	21.5	<10	3
S192947	Drill Core	0.07	0.03	14.0	0.3	<0.05	1.5	8.39	20.9	0.03	1	0.6	9.9	<10	3
S192948	Drill Core	0.12	0.07	30.6	0.3	<0.05	2.5	6.90	19.6	<0.02	1	0.8	16.2	<10	4
S192949	Drill Core	0.08	0.07	31.3	0.2	<0.05	2.9	6.03	11.2	<0.02	22	0.2	28.0	<10	6
S192950	Drill Core	0.13	0.11	38.7	0.3	<0.05	2.9	6.10	12.8	<0.02	2	0.1	26.4	<10	4
S192951	Drill Core	0.11	0.15	30.0	0.3	<0.05	3.2	6.11	13.5	<0.02	2	0.3	31.2	10	5
S192952	Drill Core	0.11	0.11	29.7	0.3	<0.05	4.1	6.25	15.0	<0.02	9	0.2	21.6	11	4
S192953	Drill Core	0.14	0.11	44.6	0.3	<0.05	3.5	6.05	13.5	<0.02	2	0.1	32.6	<10	5
S192954	Drill Core	0.10	0.10	29.1	0.3	<0.05	3.7	5.67	12.0	<0.02	6	0.2	29.1	<10	5
S192955	Drill Core	0.25	1.11	35.6	0.9	<0.05	6.6	6.65	44.8	<0.02	1	0.3	13.3	<10	<2
S192956	Rock Pulp	0.19	0.07	5.3	1.5	<0.05	5.9	7.00	9.0	0.02	108	0.2	11.4	<10	<2

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Project: TRX15-01
Report Date: December 08, 2015

QUALITY CONTROL REPORT SMI15000113.1

	Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
Pulp Duplicates																					
S192846	Drill Core	3.62	0.75	138.31	4.07	56.4	113	55.3	21.7	966	3.98	17.6	0.7	2.2	1.8	372.5	0.04	0.47	<0.02	149	8.07
REP S192846	QC		0.71	140.37	3.97	59.9	106	54.8	22.7	918	4.00	18.0	0.7	1.3	1.7	343.7	0.06	0.47	<0.02	149	8.07
S192881	Drill Core	7.36	0.54	169.85	3.19	45.9	101	46.0	17.9	583	2.63	0.7	0.7	1.6	1.3	157.9	0.07	0.04	<0.02	101	5.49
REP S192881	QC		0.49	169.78	3.08	45.2	95	45.0	17.7	599	2.64	1.0	0.7	1.6	1.4	153.7	0.04	0.04	<0.02	101	5.49
S192917	Drill Core	4.60	0.43	169.20	3.10	47.0	95	51.2	19.4	487	2.95	1.2	0.5	1.6	1.3	107.8	0.03	0.21	<0.02	93	1.99
REP S192917	QC		0.40	177.10	3.04	47.3	96	50.2	19.8	485	2.99	1.2	0.4	1.9	1.3	105.7	0.05	0.22	<0.02	92	2.00
S192952	Drill Core	4.37	3.02	316.08	3.90	62.5	211	99.3	39.1	405	3.66	1.3	0.8	<0.2	2.0	76.4	0.08	0.07	0.07	107	2.46
REP S192952	QC		3.05	320.22	3.85	63.1	202	97.6	40.5	412	3.73	1.3	0.8	<0.2	2.1	75.4	0.09	0.07	0.07	109	2.51
Core Reject Duplicates																					
S192851	Drill Core	7.33	0.40	161.62	2.89	38.2	98	46.2	18.4	519	2.84	1.2	0.4	1.0	1.2	146.5	0.02	0.12	<0.02	92	3.45
DUP S192851	QC		0.43	158.80	2.86	39.9	104	43.3	18.7	517	2.76	0.9	0.4	<0.2	1.2	139.7	0.03	0.11	<0.02	91	3.43
S192919	Drill Core	7.20	0.75	168.95	2.70	46.6	88	49.2	18.8	462	2.88	0.1	0.5	1.0	1.3	115.6	0.05	0.06	<0.02	92	2.07
DUP S192919	QC		0.74	175.54	2.79	47.2	88	51.4	20.9	504	2.92	<0.1	0.5	0.8	1.4	120.7	0.04	0.06	<0.02	95	2.13
S192953	Drill Core	3.62	0.58	234.01	3.56	66.2	150	83.2	33.2	458	3.95	1.1	0.5	<0.2	1.9	125.8	0.05	0.14	0.06	125	2.03
DUP S192953	QC		0.62	234.34	3.64	65.5	149	83.2	32.6	461	3.99	1.2	0.5	<0.2	1.9	127.0	0.05	0.14	0.06	125	2.00
Reference Materials																					
STD DS10	Standard		14.57	154.96	145.43	356.9	1948	73.0	12.7	905	2.81	46.7	2.7	72.4	7.5	70.9	2.55	8.87	12.88	44	1.09
STD DS10	Standard		15.97	162.11	157.29	398.1	2013	76.1	13.6	892	2.85	46.2	2.9	74.8	7.8	69.8	2.77	8.58	12.52	44	1.11
STD DS10	Standard		15.37	158.24	150.33	392.0	1916	73.7	12.9	881	2.80	45.7	2.7	73.5	7.6	67.5	2.63	8.36	12.15	44	1.08
STD DS10	Standard		17.06	165.10	157.24	399.2	2074	83.8	15.1	951	2.97	48.6	2.6	94.0	7.3	67.7	2.72	7.96	11.53	47	1.15
STD OXC129	Standard		1.19	25.16	6.11	36.6	26	70.6	19.2	390	3.10	0.7	0.7	183.3	1.8	181.2	0.03	0.02	<0.02	51	0.66
STD OXC129	Standard		1.30	28.88	6.64	42.8	31	82.3	21.7	417	3.07	0.5	0.7	191.6	1.8	188.5	0.02	0.03	<0.02	52	0.69
STD OXC129	Standard		1.27	27.92	5.94	42.6	20	78.5	19.9	413	3.00	0.5	0.7	172.6	1.7	180.5	0.04	0.03	<0.02	50	0.67
STD OXC129	Standard		1.34	27.93	6.29	43.4	18	83.4	21.8	402	3.13	0.4	0.7	194.5	1.8	184.5	0.02	0.04	<0.02	58	0.70
STD DS10 Expected			15.1	154.61	150.55	370	2020	74.6	12.9	875	2.7188	46.2	2.59	91.9	7.5	67.1	2.62	9	11.65	43	1.0625
STD OXC129 Expected			1.3	28	6.3	42.9	28	79.5	20.3	421	3.065	0.6	0.72	195	1.9		0.03	0.04		51	0.665
BLK	Blank		<0.01	<0.01	<0.01	<0.1	7	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01

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Project: TRX15-01

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QUALITY CONTROL REPORT SMI15000113.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
Pulp Duplicates																					
S192846	Drill Core	0.209	7.8	158.0	2.13	41.6	0.098	4	2.28	0.058	0.44	0.2	11.3	0.06	0.08	<5	0.1	0.03	7.9	1.54	0.1
REP S192846	QC	0.194	8.5	161.4	2.12	38.7	0.095	4	2.25	0.055	0.43	0.2	10.3	0.06	0.08	<5	0.1	<0.02	8.2	1.56	0.3
S192881	Drill Core	0.206	4.7	135.9	1.11	80.6	0.159	3	1.51	0.112	1.01	0.2	4.4	0.08	<0.02	<5	<0.1	<0.02	5.0	0.88	0.1
REP S192881	QC	0.203	4.7	136.3	1.10	83.4	0.160	3	1.50	0.110	1.02	0.2	4.5	0.08	<0.02	<5	0.1	<0.02	5.1	0.92	0.1
S192917	Drill Core	0.230	7.2	143.1	1.88	59.0	0.134	1	1.94	0.070	0.81	0.1	3.2	0.06	<0.02	<5	<0.1	<0.02	6.0	1.71	0.1
REP S192917	QC	0.225	7.0	140.0	1.89	57.3	0.130	2	1.94	0.066	0.81	0.1	2.9	0.06	<0.02	<5	<0.1	<0.02	6.2	1.66	0.1
S192952	Drill Core	0.222	8.0	127.0	1.34	184.0	0.189	<1	1.83	0.118	0.81	0.4	3.8	0.17	0.74	<5	0.8	0.17	6.7	1.83	0.1
REP S192952	QC	0.236	8.0	129.0	1.36	184.2	0.192	<1	1.87	0.120	0.82	0.5	3.8	0.17	0.75	<5	0.7	0.17	6.6	1.86	0.1
Core Reject Duplicates																					
S192851	Drill Core	0.223	5.7	131.7	1.52	93.3	0.165	3	1.68	0.111	1.01	0.2	3.5	0.09	0.09	<5	0.4	<0.02	5.2	1.88	0.1
DUP S192851	QC	0.222	6.0	128.4	1.51	98.6	0.158	2	1.66	0.107	1.00	0.2	3.3	0.08	0.09	<5	<0.1	0.05	4.8	1.90	0.1
S192919	Drill Core	0.224	7.3	139.7	1.73	58.6	0.139	2	1.99	0.068	1.16	0.1	2.2	0.10	<0.02	<5	<0.1	<0.02	5.9	3.53	<0.1
DUP S192919	QC	0.233	7.3	151.9	1.75	59.9	0.159	2	2.02	0.072	1.18	0.1	2.4	0.10	<0.02	<5	<0.1	0.02	6.4	3.46	<0.1
S192953	Drill Core	0.249	7.3	155.4	1.83	229.1	0.207	<1	2.49	0.155	1.12	0.2	4.0	0.27	0.35	<5	0.4	0.09	8.2	3.13	0.1
DUP S192953	QC	0.256	7.4	157.5	1.81	230.9	0.203	<1	2.44	0.146	1.14	0.2	3.7	0.27	0.35	<5	0.4	0.15	8.0	3.32	0.1
Reference Materials																					
STD DS10	Standard	0.079	18.8	56.4	0.80	357.7	0.084	7	1.09	0.072	0.34	3.2	3.0	5.20	0.28	283	2.4	4.91	4.7	2.58	0.1
STD DS10	Standard	0.079	18.7	56.7	0.82	350.1	0.085	8	1.12	0.072	0.35	3.3	3.0	5.37	0.27	327	2.4	5.22	4.7	2.78	<0.1
STD DS10	Standard	0.079	18.5	56.3	0.81	360.0	0.082	6	1.09	0.070	0.34	3.1	3.0	5.34	0.26	298	2.1	5.16	4.6	2.74	<0.1
STD DS10	Standard	0.081	19.1	62.8	0.84	372.7	0.097	7	1.16	0.077	0.36	3.3	3.3	5.38	0.30	293	2.4	5.17	4.8	2.81	<0.1
STD OXC129	Standard	0.099	12.3	48.9	1.55	48.8	0.391	<1	1.59	0.609	0.37	<0.1	0.9	0.04	<0.02	<5	<0.1	<0.02	5.3	0.15	<0.1
STD OXC129	Standard	0.100	12.7	52.6	1.60	50.1	0.410	1	1.60	0.616	0.36	<0.1	0.8	0.04	<0.02	6	<0.1	<0.02	5.8	0.16	<0.1
STD OXC129	Standard	0.099	11.8	50.4	1.57	46.9	0.399	1	1.58	0.606	0.36	<0.1	0.8	0.03	<0.02	<5	<0.1	<0.02	5.5	0.15	<0.1
STD OXC129	Standard	0.107	12.0	55.1	1.61	50.4	0.422	1	1.66	0.611	0.37	<0.1	1.0	0.03	<0.02	<5	<0.1	<0.02	5.6	0.16	0.1
STD DS10 Expected		0.0765	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	3	5.1	0.29	300	2.3	5.01	4.5	2.63	0.08
STD OXC129 Expected		0.102	13	52	1.545	50	0.4	1	1.58	0.6	0.37	0.08	1.1	0.03					5.6	0.16	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1

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QUALITY CONTROL REPORT SMI15000113.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates															
S192846	Drill Core	0.06	0.10	15.2	0.2	<0.05	1.7	7.01	14.9	<0.02	2	0.4	22.8	12	4
REP S192846	QC	0.07	0.06	13.5	0.3	<0.05	1.5	6.65	14.7	<0.02	2	1.0	21.5	<10	5
S192881	Drill Core	0.07	0.07	35.5	0.2	<0.05	1.9	4.76	9.0	<0.02	<1	0.4	20.7	<10	4
REP S192881	QC	0.13	0.09	33.3	0.2	<0.05	2.0	4.62	8.8	<0.02	<1	0.3	20.4	<10	4
S192917	Drill Core	0.08	0.05	22.2	0.2	<0.05	2.0	5.91	14.0	<0.02	<1	0.2	26.4	<10	5
REP S192917	QC	0.07	0.05	21.7	0.1	<0.05	1.9	5.87	13.4	<0.02	<1	0.3	26.9	<10	3
S192952	Drill Core	0.11	0.11	29.7	0.3	<0.05	4.1	6.25	15.0	<0.02	9	0.2	21.6	11	4
REP S192952	QC	0.13	0.11	29.2	0.3	<0.05	4.1	6.31	14.7	<0.02	12	0.3	24.4	<10	3
Core Reject Duplicates															
S192851	Drill Core	0.08	0.10	30.5	0.1	<0.05	2.5	5.35	10.6	<0.02	<1	0.2	22.3	12	3
DUP S192851	QC	0.13	0.10	29.5	0.2	<0.05	2.8	4.91	10.7	<0.02	1	0.2	23.6	<10	3
S192919	Drill Core	0.05	0.05	41.4	0.2	<0.05	1.5	6.00	14.0	<0.02	<1	0.2	31.5	<10	5
DUP S192919	QC	0.07	0.06	41.4	0.2	<0.05	1.9	6.10	14.0	<0.02	<1	0.3	32.0	<10	6
S192953	Drill Core	0.14	0.11	44.6	0.3	<0.05	3.5	6.05	13.5	<0.02	2	0.1	32.6	<10	5
DUP S192953	QC	0.13	0.10	46.1	0.3	<0.05	3.3	6.00	13.6	<0.02	4	0.1	33.2	<10	6
Reference Materials															
STD DS10	Standard	0.04	1.47	27.2	1.7	<0.05	2.7	8.32	35.1	0.26	53	0.8	20.7	90	177
STD DS10	Standard	0.07	1.57	29.8	1.7	<0.05	2.8	8.40	38.6	0.24	46	0.6	21.3	98	193
STD DS10	Standard	0.07	1.59	29.1	1.8	<0.05	2.8	8.21	37.5	0.23	53	0.6	20.4	91	184
STD DS10	Standard	0.08	1.72	30.7	1.6	<0.05	2.9	8.31	39.0	0.23	62	0.9	20.2	113	200
STD OXC129	Standard	0.22	1.56	15.3	0.8	0.05	19.6	4.57	23.3	<0.02	<1	0.8	2.1	<10	<2
STD OXC129	Standard	0.23	1.05	15.6	0.7	<0.05	17.9	4.55	23.7	<0.02	<1	1.0	2.1	<10	<2
STD OXC129	Standard	0.22	1.08	15.4	0.7	<0.05	18.3	4.44	22.6	<0.02	<1	0.8	2.0	<10	<2
STD OXC129	Standard	0.24	0.90	15.4	0.7	<0.05	17.7	4.46	22.8	<0.02	<1	1.0	2.3	<10	<2
STD DS10 Expected		0.06	1.62	27.7	1.6		2.7	7.77	37	0.23	50	0.63	19.4	110	191
STD OXC129 Expected		0.24	1.4		0.7		21	4.7	23.7			0.8	2.22		
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Project: TRX15-01
Report Date: December 08, 2015

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

QUALITY CONTROL REPORT SMI15000113.1

		WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	3	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
Prep Wash																					
ROCK-SMI	Prep Blank		0.65	3.98	1.49	35.9	20	1.7	4.3	457	1.74	1.2	0.4	<0.2	2.5	34.8	<0.01	0.04	<0.02	21	0.55
ROCK-SMI	Prep Blank		0.58	2.78	1.29	36.5	14	1.9	4.3	496	1.90	0.9	0.4	<0.2	2.5	35.8	<0.01	0.04	<0.02	23	0.61

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Project: TRX15-01
Report Date: December 08, 2015

QUALITY CONTROL REPORT SMI15000113.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
Prep Wash																					
ROCK-SMI	Prep Blank	0.042	6.1	3.7	0.47	80.1	0.068	2	0.90	0.095	0.08	<0.1	2.4	<0.02	<0.02	<5	<0.1	<0.02	4.0	0.10	<0.1
ROCK-SMI	Prep Blank	0.044	6.3	10.5	0.47	75.6	0.077	2	0.95	0.106	0.10	<0.1	2.8	<0.02	<0.02	<5	<0.1	0.04	3.7	0.09	<0.1

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Project: TRX15-01

Report Date: December 08, 2015

QUALITY CONTROL REPORT SMI15000113.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
Prep Wash															
ROCK-SMI	Prep Blank	0.11	0.15	2.0	0.3	<0.05	3.6	7.53	12.3	<0.02	<1	0.2	2.5	<10	<2
ROCK-SMI	Prep Blank	0.15	0.21	2.6	0.4	<0.05	3.8	7.94	12.1	<0.02	<1	0.2	3.1	<10	<2

Appendix E: Probability Plots by Lithology

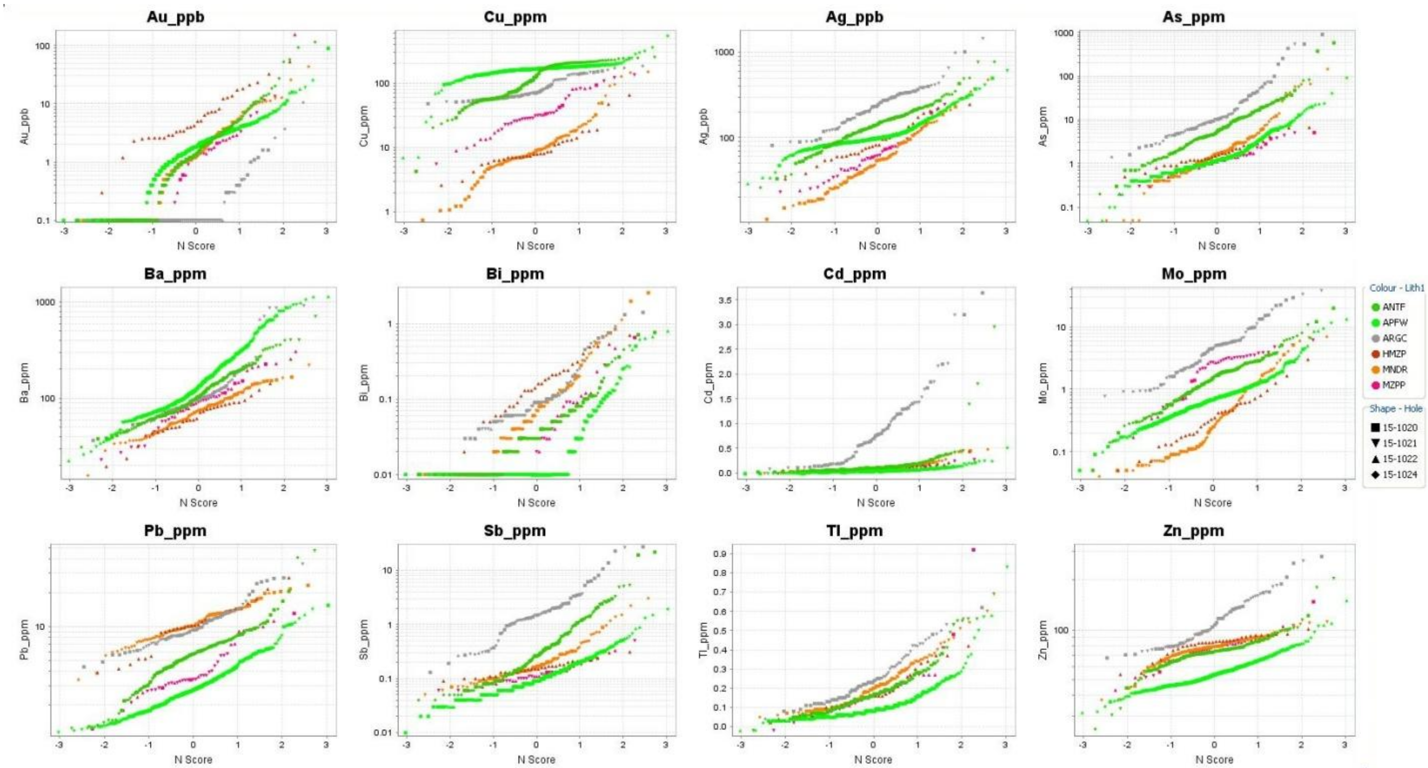


Figure E1a: Economic and pathfinder element log probability plots by major lithological units from the 2015 fall drill program.

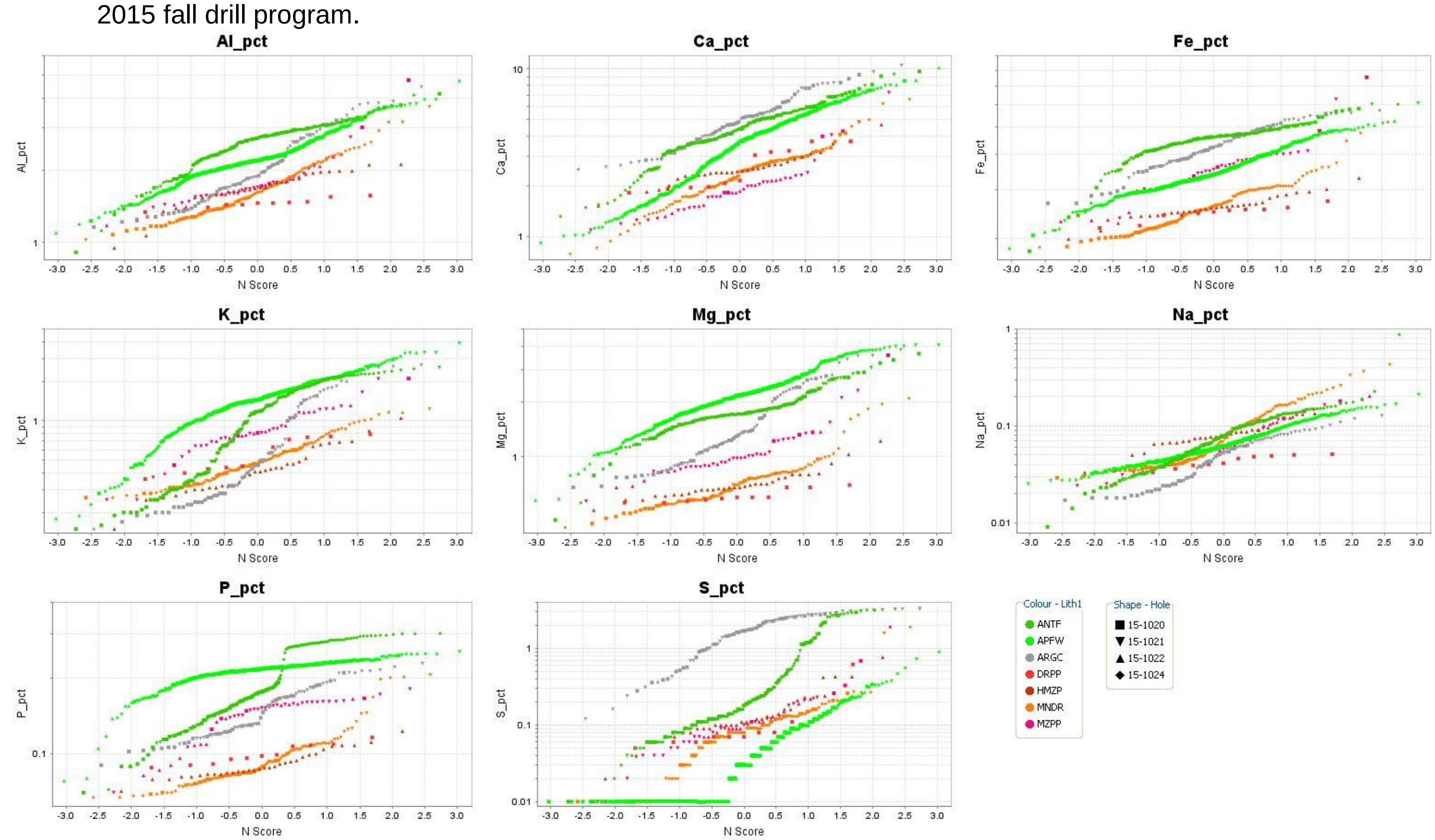


Figure E1b: Major element log probability plots by major lithological units from the 2015 fall drill program.

Appendix F: Quality Control / Quality Assurance

QA/QC REPORT

DATE: December 10, 2015

PROJECT: Mt Milligan 2015 Drilling

CLIENT: Thompson Creek Metals

PERIOD OF WORK: October 10-November 7, 2015 (All certificates)

SUMMARY

This report summarizes and discusses all results of the field-based quality assurance / quality control (QA/QC) program for the 2015 drill campaign at Mt Milligan. Table 1 summarizes the certificates from the work completed in 2015.

Table 1: Summary of All Certificates from 2015 Mt. Milligan Drill Program

Certificate	Date Finalized	Sample Numbers	Hole ID	From (m)	To (m)
SMI15000093	17/11/2015	S192001-151	15-1020	3.66	243.40
SMI15000094	17/11/2015	S192152-251	15-1020	243.40	398.37
SMI15000104	21/11/2015	S192252-401	15-1021	10.97	219.06
SMI15000105	4/12/2015	S192402-528	15-1021	219.06	401.42
SMI15000109	2/12/2015	S192529-720	15-1022	17.37	398.37
SMI15000112	2/12/2015	S192721-822	15-1024	63.70	270.00
SMI15000113	7/12/2015	S192823-956	15-1024	270.00	547.12

The results of the QAQC program indicate that Cu and Mo analyses are accurate, precise and free of contamination. Gold assays are also uncontaminated but significantly less accurate and precise. The low accuracy in the gold values can be attributed to the imprecision of the ICP method used in analysis, which is known to be less accurate and precise than fire assay. Our analytical flow sheet called for fire assay of samples returning >0.2 g/t Au by ICP but the 2015 program returned no samples exceeding that grade, with the highest value running 0.154 g/t Au. Regardless, our QAQC analysis shows that the data is sufficiently accurate and precise for the exploratory nature of this particular drilling program.

INTRODUCTION

This report discusses the results of the field based quality assurance / quality control (QA/QC) program for the 2015 drill campaign at Mt. Milligan. The QA/QC program includes insertion of certified standard and blank material into the sample stream to monitor accuracy and contamination, and analysis of field and preparation duplicates to monitor precision of the sampling and analytical process. In total, 10% of all samples submitted to the lab are for QAQC purposes (1 standard, 1 blank, 2 duplicates in every batch of 40 samples), consistent with best practise recommendations (Abzalov, 2008; Sketchley, 1998). Sample failures and corrective measures are summarized in Table 1 at the end of this report.

PROCEDURES

Samples were shipped in rice sacks sealed with individually numbered security straps to Acme Labs (Bureau Veritas) preparation facility in Smithers, BC, where they were crushed, split and pulverized to produce pulps. The pulps were then shipped to Bureau Veritas analytical facility in Vancouver, BC where they were analysed using AQ251 (modified aqua regia digestion followed by ICP-MS analysis of 15 g sample). A listing of the preparation and analytical procedures used during the 2015 drill program and their detection limits is presented in Table 2.

Table 2: Description of analysis methods for the 2015 Mt. Milligan program

Element	Method	Acme Labs	Lower Detection Limit
Au	AQ251 – aqua regia digest/ultra-trace ICP-MS on 15 g sample	Vancouver	0.2 ppb
Cu	AQ251 – aqua regia digest/ultra-trace ICP-MS on 15 g sample	Vancouver	0.01 ppm
Mo	AQ251 – aqua regia digest/ultra-trace ICP-MS on 15 g sample	Vancouver	0.01 ppm

RESULTS

Certified standard materials (CSMs)

Certified standard materials (CSM or “standards”) were inserted into the sample stream at a rate of 2.5% or one for every 40 samples. Analytical results are plotted on a Shewhart Control Chart that illustrates the relation of each CSM to the certified assay values provided by the manufacturer. The difference between assayed and certified values is quantified as a Z-score, which indicates the number of standard deviations that each certified standard assay plots above (+ve values) or below (-ve values) the certified mean. Z-score values of ±2 are referred to as the “warning limits” whereas ±3 is the control limit that may trigger follow-up action.

A total of 24 CSM samples were analyzed as part of the 2015 work program. For Au, assay results for five of these CSM samples exceeded the control limits and another five exceeded the warning limits (Chart 1). Seven of these 10 failed CSMs exceed the lower warning and control limits, suggesting an overall bias towards lower values. Although the failure rate of our gold CSMs is significantly higher than industry standard this is almost certainly due to the use of ICP as the analytical method and the aliquot size (15 g). Industry standard for gold assays is to use the fire assay method on 30 g aliquots. For this reason, and because the gold values in associated core were uniformly low, no re-assays are recommended for these CSM failures.

Table 3: CDN Resource Laboratories Standards used in 2015 Mt. Milligan Drill Program

CSM	Copper*		Gold**		Molybdenum*	
	Mean	1 SD	Mean	1 SD	Mean	1 SD
CDN-CM-23	0.471 %	0.026 %	0.549 g/t	0.060	0.025 %	0.002 %
CDN-CM-35	0.248 %	0.012 %	0.324 g/t	0.032 g/t	0.029 %	0.002 %

** Aqua regia digestion with ICP or AA finish*

*** 30g fire assay with ICP or AA finish*

One sample exceeded the upper control limit for Cu (S192520), but since the standard did not exceed the upper control limit, no action was taken. All analyses for Mo were within the warning limits.

Blanks

Field blanks consist of dolomite landscaping stone and were inserted at a rate of 2.5% or one for every 40 samples. Analyses of blank material are plotted, together with all core samples, in the order that they were analyzed so as to best visualize any links between contamination and batches with high-grade samples (Charts 4-6). Control limits are usually set at 5x the detection limit, although higher limits can be used pending the actual concentration of said element in the blank and the abundance that constitutes ore grade.

Analyses of blank material returned uniformly low values for Au, Cu and Mo suggesting little to no contamination. All Au assays returned values below 5X the detection limit of 0.2 ppb, whereas very low detection limits for Cu and Mo (0.01 ppm) makes a 5X detection limit threshold for blank materials unreasonable for these elements. Threshold limits were set at 10 ppm for Cu and 0.2 ppm for Mo, still low values for both these elements and if crossed could indicate contamination. The highest value returned from blanks for Cu is 5.45 ppm and 0.18 ppm for Mo; which are both below the new thresholds that would trigger further investigation.

Duplicates

Duplicates inserted into the sample stream include field (or quarter core) and preparation duplicates. Field and preparation duplicates were inserted during the core logging process at a rate of one field or preparation duplicate every 20 samples (i.e. 5%).. For each of the two duplicate types, scatter plots of parent and daughter assay results can be used to visualize the analytical precision (Charts 7-9). Highly precise analyses will scatter close to the M = 1 line whereas lower precision is indicated by increased scatter about this line. Typically, precision will increase from the field duplicate to the preparation dup and through to the lab duplicate. The precision of each duplicate can also be quantified with, for example the average coefficient of variation (CV_{AVR}%), which is one of the more widely used means of quantifying precision (Abzalov, 2008; Stanley and Lawie, 2007).

The scatter plots for Cu and Mo are relatively well-clustered around the M = 1 line for both field duplicate and preparation duplicate pairs with few outliers, whereas Au is more erratically scattered around the M = 1 line for both field and preparation duplicates. The erratic Au values are likely due to the imprecision of the ICP method in making accurate determinations for Au and the generally low values returned.

CVaverage% values for Cu are within acceptable values calculated by Abzalov (2008), however the average values for Mo are above and Au are well above Abzalov's calculated values. The higher average values may be caused by the significantly higher average assay values used in Abzalov's calculations compared to the lower average values used in the calculations from the 2015 Mt. Milligan drilling program. Average values from field and duplicate pairs from the 2015 Mt. Milligan drill program were approximately 2 ppb Au, 1.5 ppm Mo and 120 ppm Cu, compared to Abzalov's values of 50-800 ppb Au, 300 ppm Mo and 1000-4000 ppm Cu. Also, the nugget effect of Au combined with the imprecision of the analytical technique likely contributed to the high CVaverage% value.

Table 4: CVAVR(%) best and acceptable practise values for Cu-Mo-Au Porphyry Systems (from Abzalov, 2008)

Deposit Type	Element	Duplicate	Best CVAVR(%)	Acceptable CVAVR(%)
Cu-Mo-Au porphyry	Cu	Field	5	10
		Pulp	3	10
	Mo	Field	10	15
		Pulp	5	10
	Au	Field	10	15
		Pulp	5	10

Table 5: CVAVR(%) for 2015 Mt. Milligan assays

Duplicate	CVAVR(%) for Au	CVAVR(%) for Cu	CVAVR(%) for Mo
Field duplicate	40.7	10.1	23.7
Preparation duplicate	60.0	8.6	17.2

Table 6: 2015 Mt. Milligan geochemistry QA/QC failures

Sample	CSM	Certificate	Hole ID	Problem	Corrective Action
S192160	CDN-CM-23	SMI15000094	15-1020	Exceeded Au lower control limit	None – Unmineralized interval
S192240	CDN-CM-23	SMI15000094	15-1020	Exceeded Au lower control limit	None – Unmineralized interval
S192280	CDN-CM-35	SMI15000104	15-1021	Exceeded Au lower warning limit	None – Unmineralized interval
S192560	CDN-CM-23	SMI15000109	15-1022	Exceeded Au lower control limit	None – Unmineralized interval
S192640	CDN-CM-23	SMI15000109	15-1022	Exceeded Au lower warning limit	None – Unmineralized interval
S192800	CDN-CM-23	SMI15000112	15-1024	Exceeded Au lower control limit	None – Unmineralized interval
S192480	CDN-CM-35	SMI15000105	15-1022	Two consecutive samples exceed Au upper warning limit	None – Unmineralized interval
S192520	CDN-CM-35	SMI15000105	15-1022	Two consecutive samples exceed Au upper warning limit	None – Unmineralized interval
S192956	CDN-CM-23	SMI15000113	15-1024	Exceeded Au lower control limit	None – Unmineralized interval

Chart 1: Shewhart Control Chart showing CSM samples for gold analysed by AQ251 (15 g ICP)

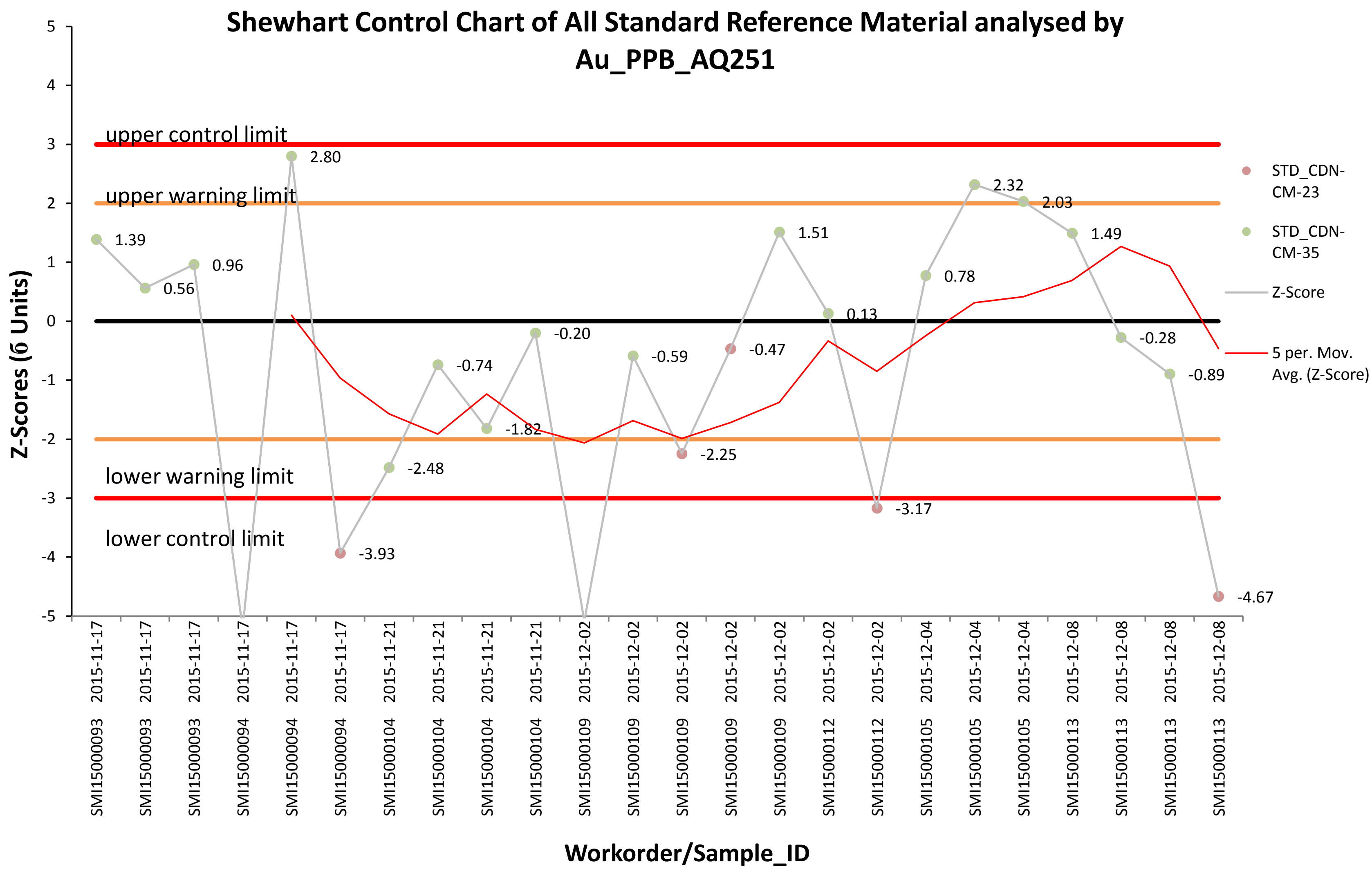


Chart 2: Shewhart Control Chart showing CSM samples for copper analysed by AQ251 (15 g ICP)

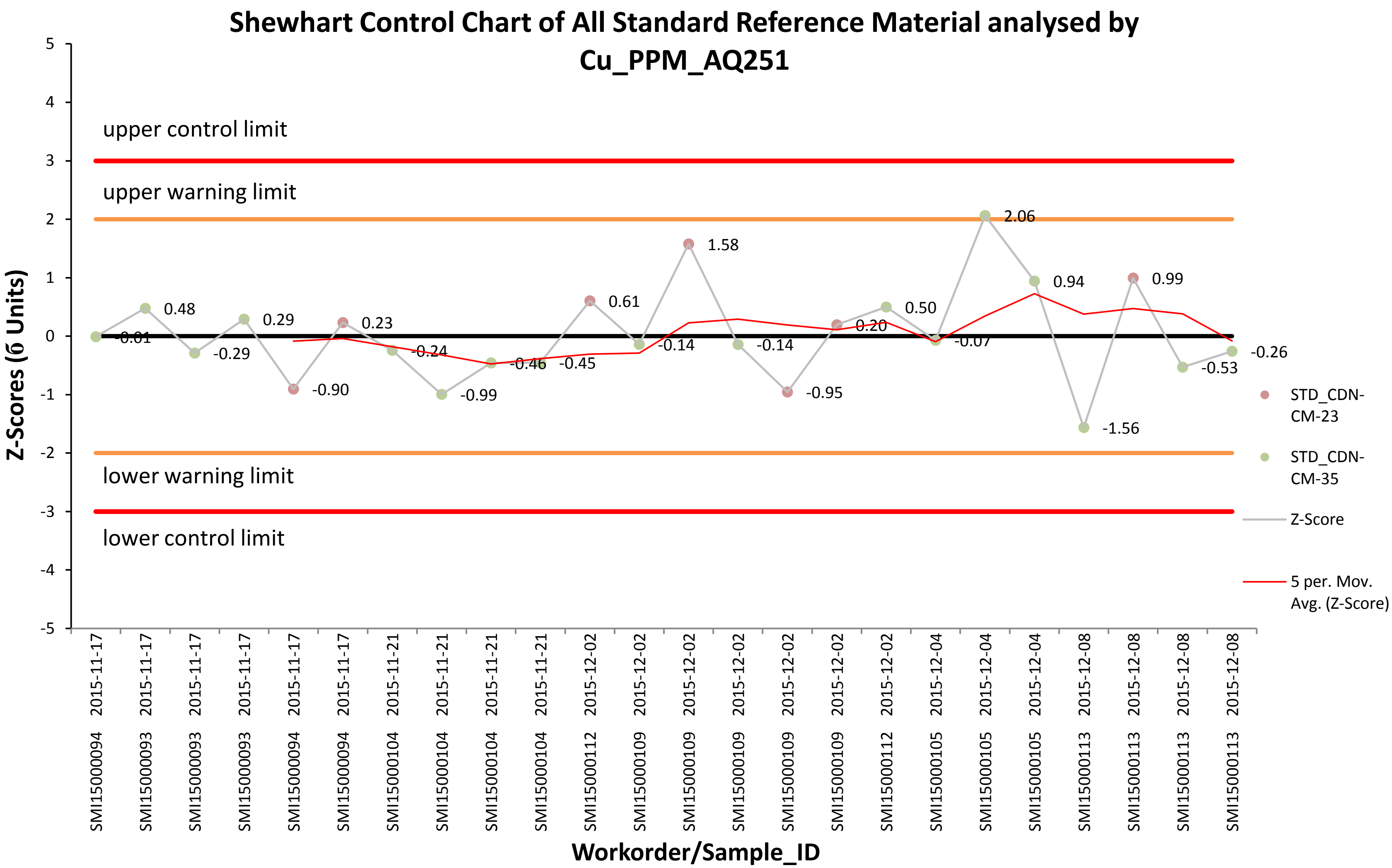


Chart 3: Shewhart Control Chart showing CSM samples for molybdenum analysed by AQ251 (15 g ICP)

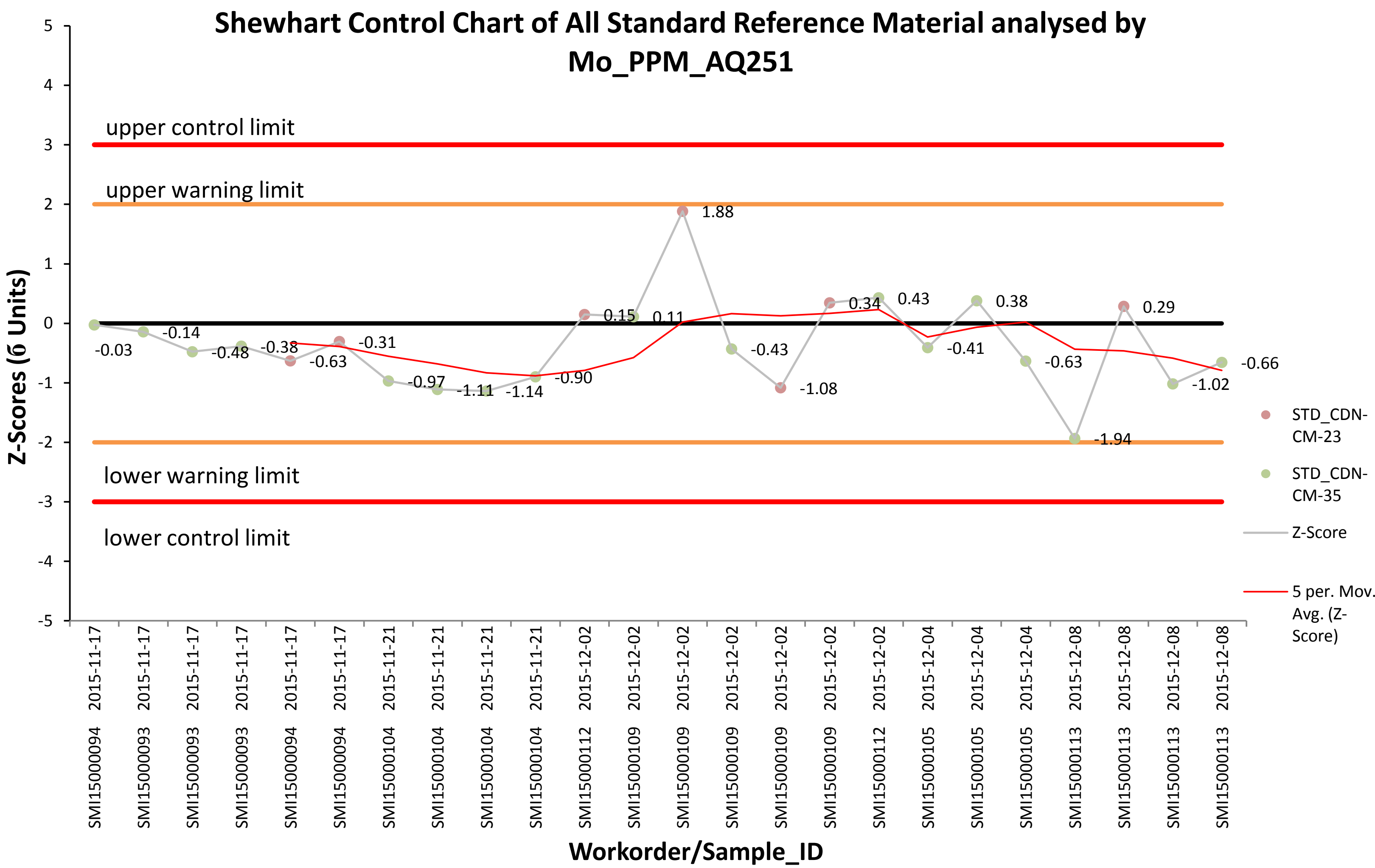


Chart 4: Chart showing gold values for blank samples analysed by AQ251 (15 g ICP)

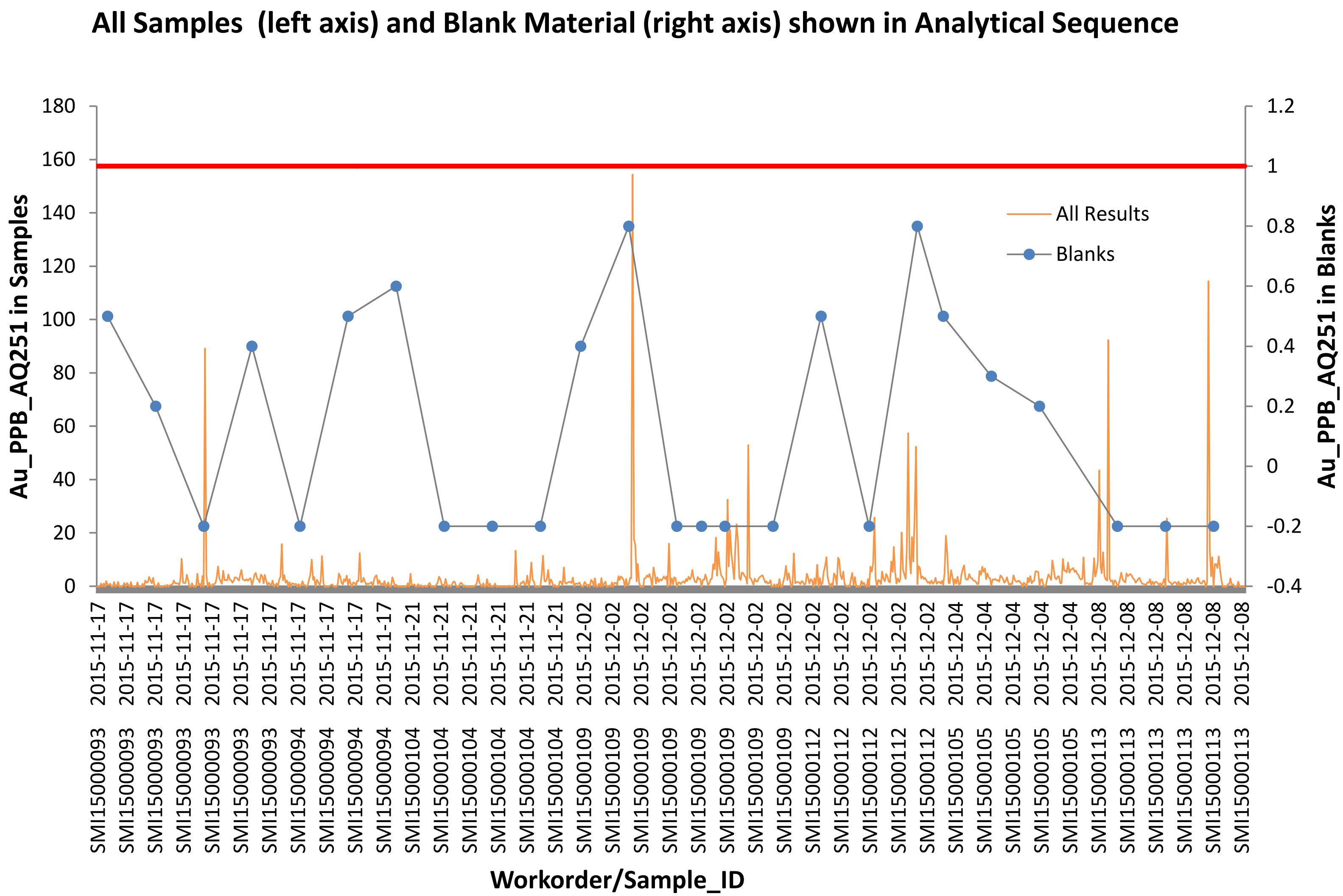


Chart 5: Chart showing copper values for blank samples analysed by AQ251 (15 g ICP)

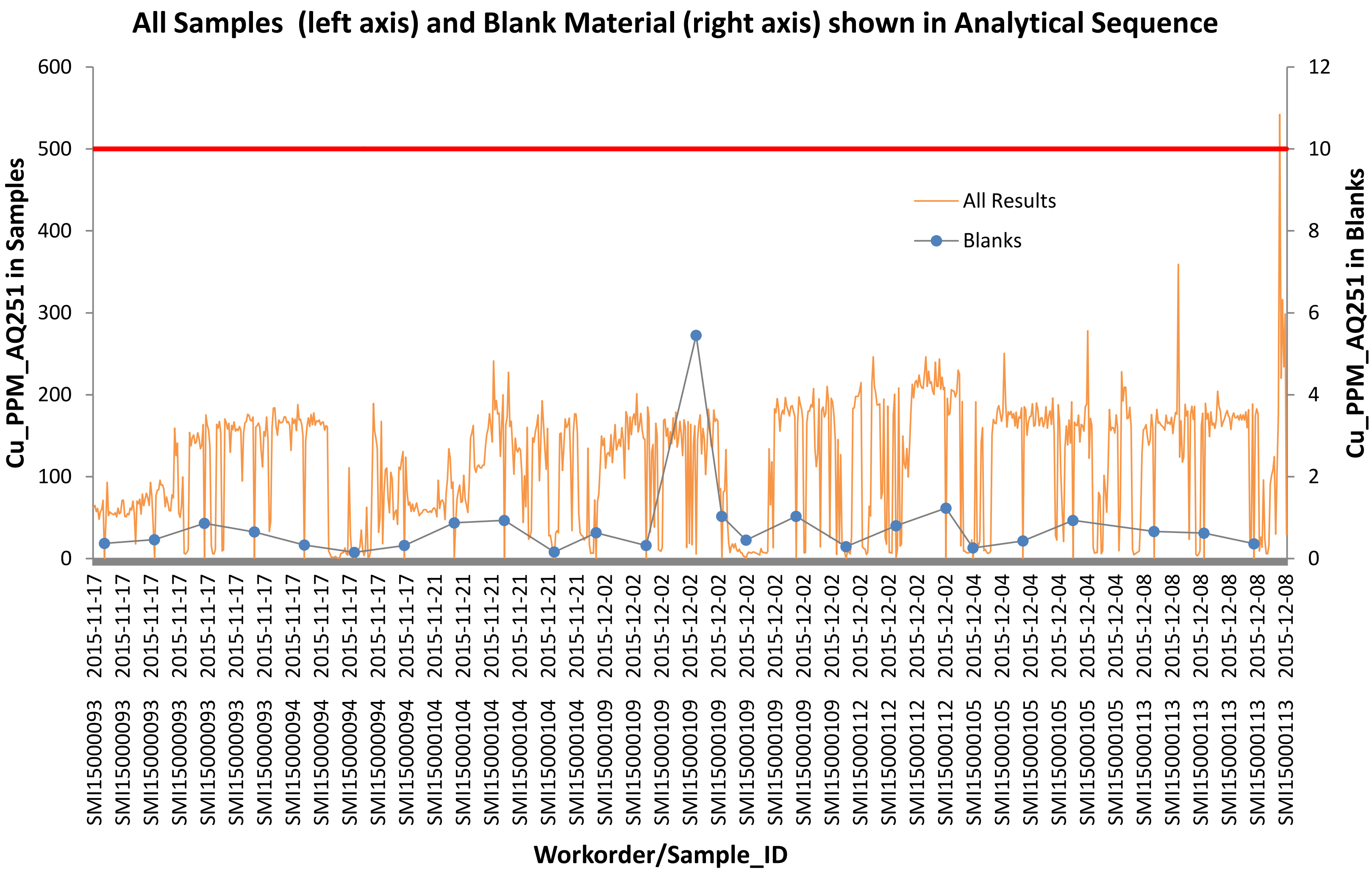


Chart 6: Chart showing molybdenum values for blank samples analysed by AQ251 (15 g ICP)

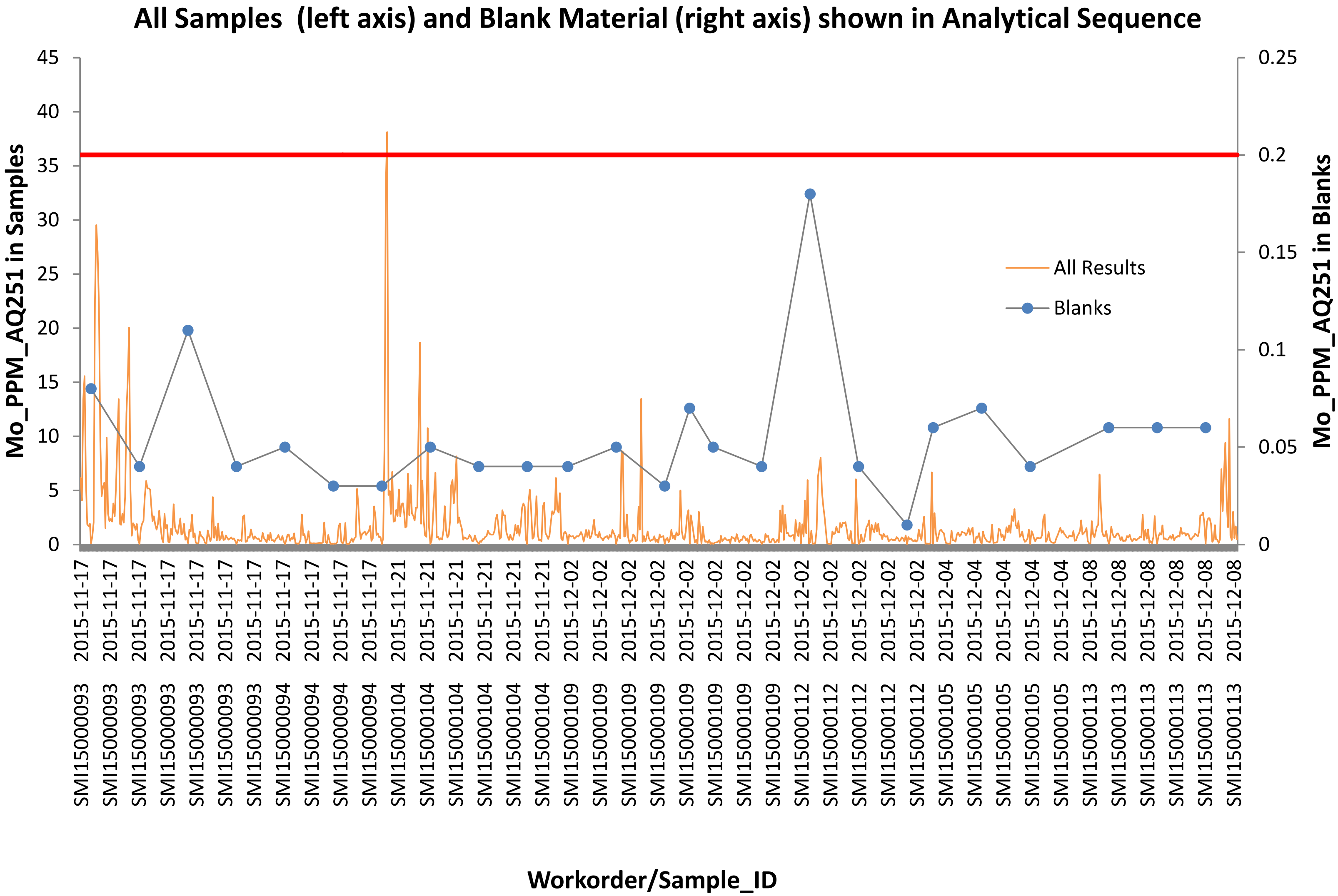


Chart 7: Duplicate pair comparison for gold

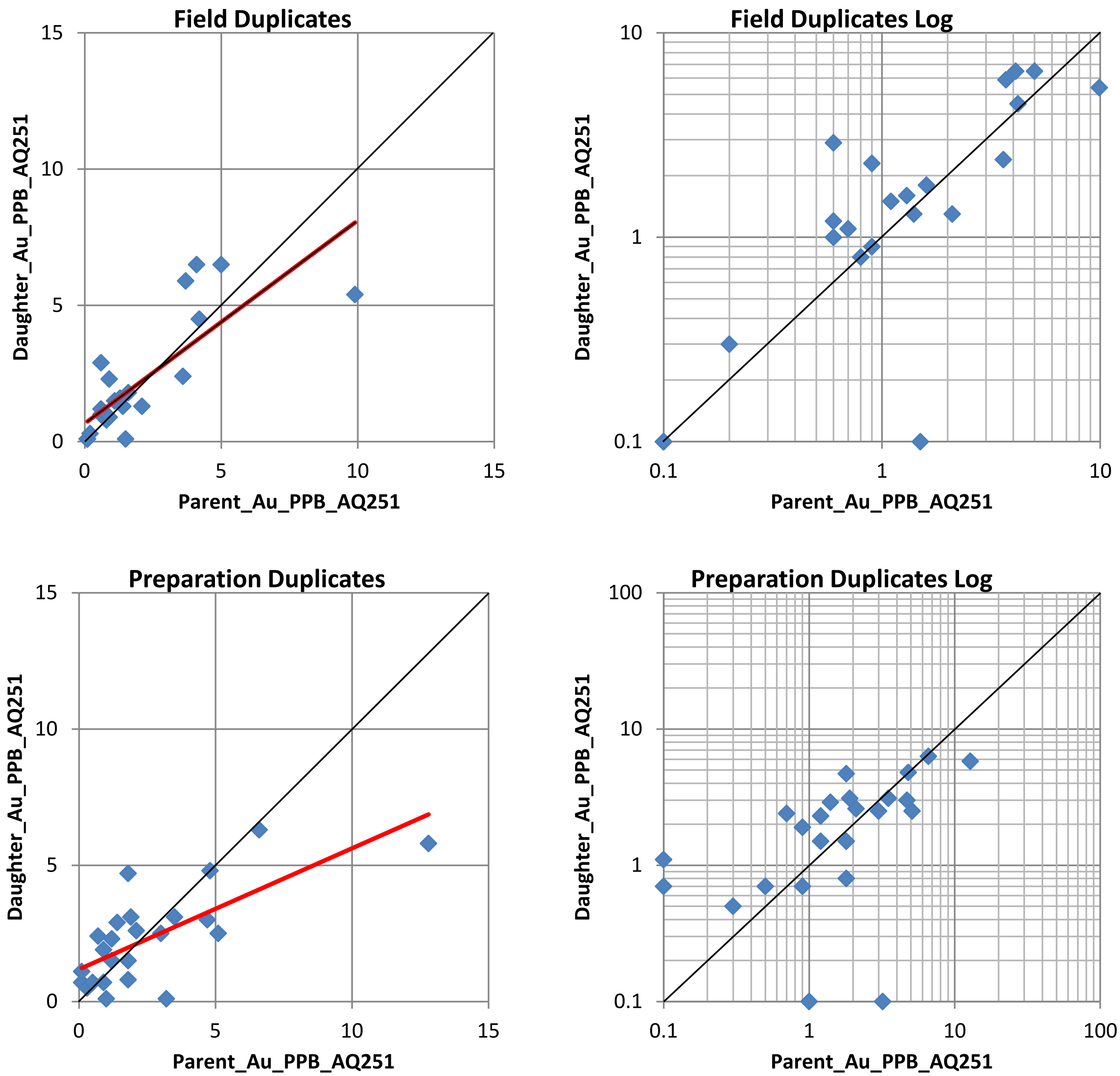


Chart 8: Duplicate pair comparison for copper

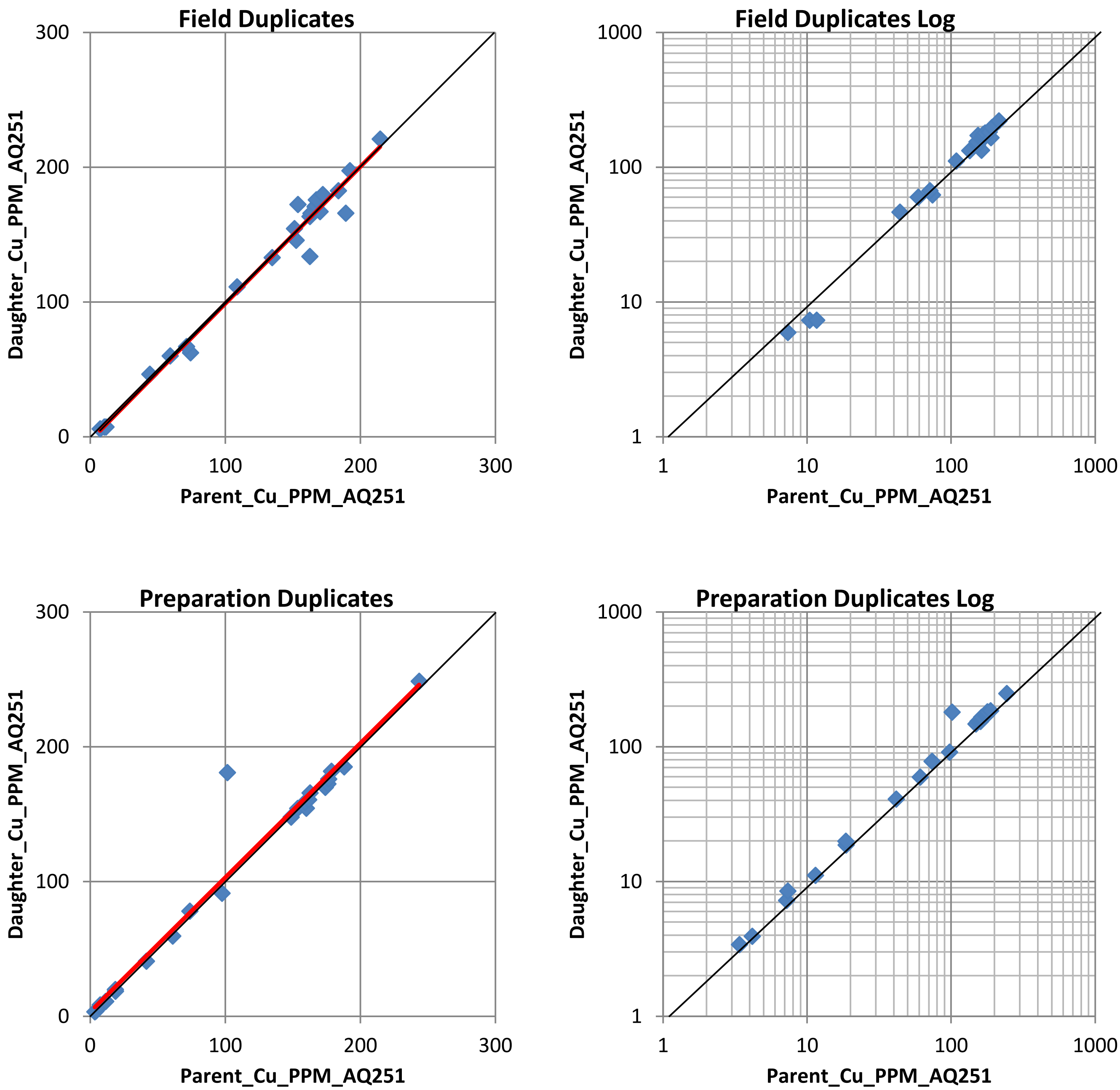
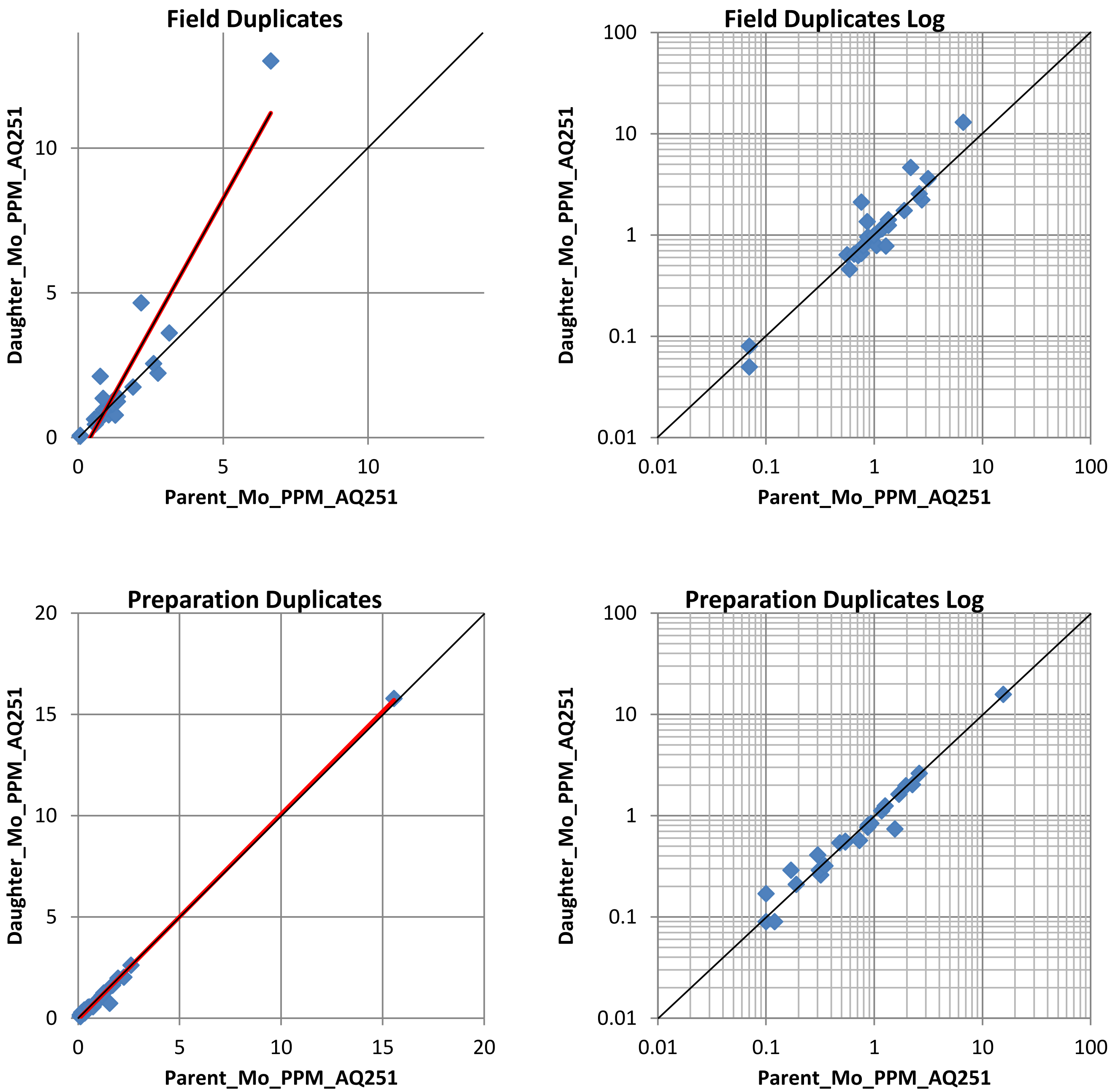


Chart 9: Duplicate pair comparison for molybdenum



DEFINITIONS

Z- or standard score

The Z-score is a measure of the difference between the actual assay value of a certified standard material (CSM) and the certified assay value of that CSM, expressed as:

$$Z\ score = \frac{CSM\ assay\ value\ (X) - Mean\ certfied\ assay\ value\ (\mu)}{Certified\ standard\ deviation\ (\sigma)}$$

Plotting of Z-scores on Shewhart Control Charts, rather than absolute difference, allows comparison of several CSMs on the same chart.

The following criteria are used to trigger further investigation:

- One CSM plotting outside the control limits
- 2 consecutive CSM samples plotting beyond the warning limits
- 7 or more consecutive CSM samples plotting above or below the mean
- 5 or more consecutive CSM samples increasing or decreasing, indicating a trend

Average coefficient of variation (CV_{AVR}(%))

There are several ways to quantify precision, one of which is the average coefficient of variation (CV_{AVR}(%)) which is calculated as follows (Abzalov, 2008):

$$CV_{AVR}(\%) = 100\ x\ \sqrt{\frac{1}{N}\sum_{i=1}^{N}\frac{\sigma_i^2}{m_i^2}} = 100\ x\ \sqrt{\frac{2}{N}\sum_{i=1}^{N}\left(\frac{(a_1 - b_1)^2}{(a_1 + b_1)^2}\right)}$$

where N is the number of samples, a_1 is the elemental concentration in the parent and b_1 is the concentration in the daughter (i.e. duplicate).

REFERENCES

Abzalov, M., 2008, Quality control data: A review of procedures for measuring and monitoring precision and accuracy: Exploration and Mining Geology, v. 17, p. 131-144.

Sketchley, D. A., 1998, Gold deposits: Establishing sampling protocols and monitoring quality control: Exploration and Mining Geology, v. 7, p. 129-138.

Stanley, C. R., and Lawie, D., 2007, Average relative error in geochemical determinations: Clarification, calculation, and a plea for consistency: Exploration and Mining Geology, v. 16, p. 267-275.

Appendix G: Data DVD

Appendix H: Geologist's Certificates

GEOLOGIST'S CERTIFICATE

Thomas K. Branson

1954 Charles Street,

Vancouver, B.C.

I, **THOMAS K. BRANSON**, do hereby certify that:

1. I am presently a Project Geologist with Equity Exploration Consultants Ltd. with offices at Suite 1510--250 Howe Street, Vancouver, British Columbia.
2. I am a graduate of the University of British Columbia with a Bachelor of Science degree in Earth and Ocean Science in 2007, and a graduate of Rhodes University of Grahamstown, South Africa with a Master of Science degree in Exploration Geology in 2014.
3. I am a professional geoscientist registered in good standing with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (#38893).
4. I am a co-author of the assessment report 2015 Drilling Report on the Mt. Milligan Northwest Claim Group prepared for Terrane Metals Corp.
5. Since 2007, I have been a consulting geologist and have been involved in mineral exploration for gold, copper, silver, lead, zinc and uranium in Canada and Australia
6. I was directly involved with the planning, managing and execution of the 2015 exploration program at Mt. Milligan.

Dated at Vancouver, British Columbia, this 12th day of February, 2016.

TBranson

Thomas K. Branson, M.Sc., P. Geo.

Equity Exploration Consultants Ltd.

PROFESSIONAL
PROVINCE OF
T. K. BRANSON
38893
BRITISH COLUMBIA
GEOSCIENTIST

TBranson
Feb 12, 2016

#038893

GEOLOGIST'S CERTIFICATE

Ronald J. Voordouw
2327 Mary Hill Road
Port Coquitlam, BC, Canada

I, **RONALD J. VOORDOUW**, do hereby certify that:

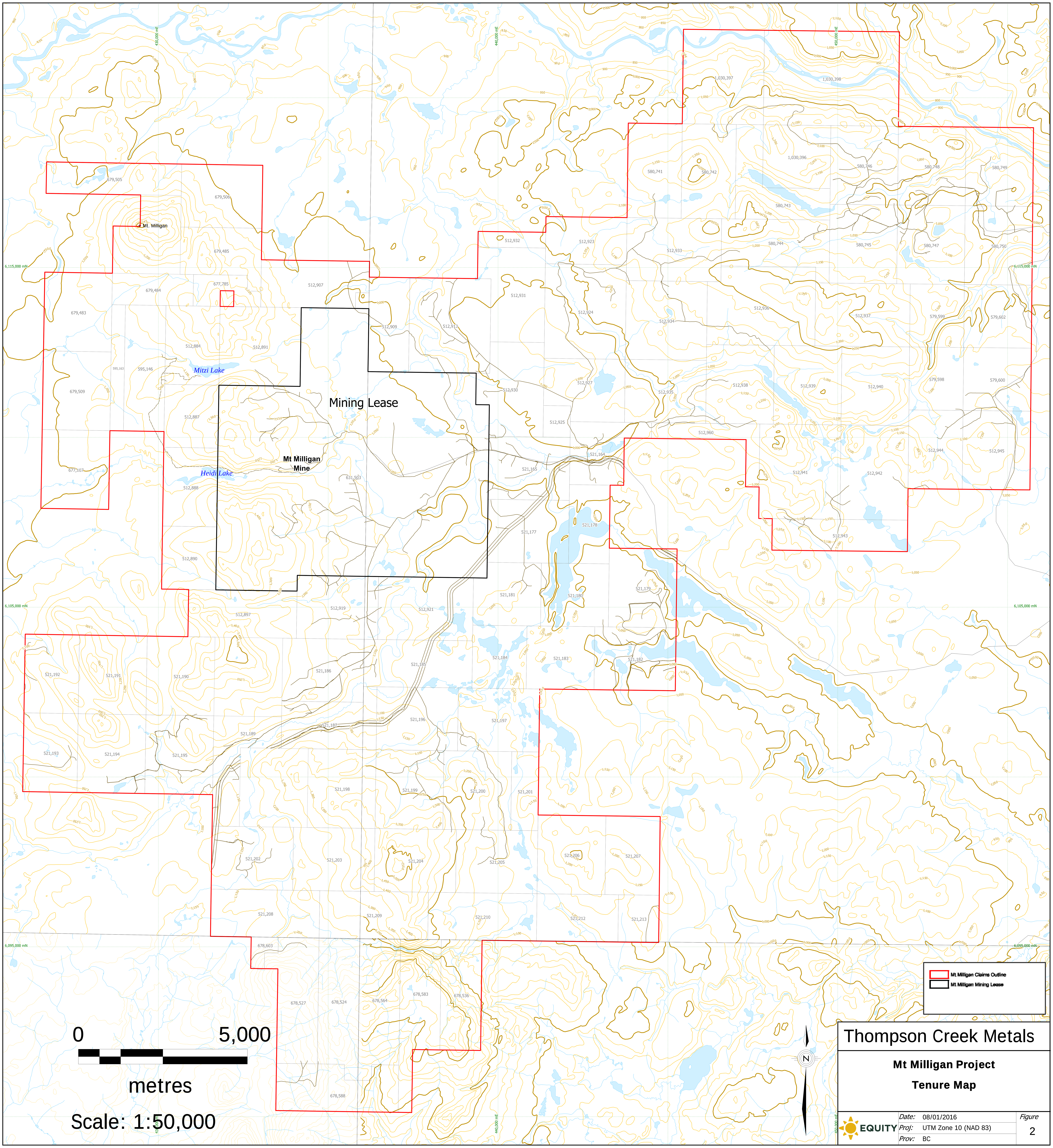
1. I am presently a Project Geologist with Equity Exploration Consultants Ltd, with offices at Suite 1510–250 Howe Street, Vancouver, British Columbia.
2. I graduated from the University of Calgary, Calgary, AB, Canada with a Bachelor of Science degree in geology in 1999 and with a Doctorate in geology in 2006 from the Memorial University of Newfoundland, Canada
3. I am a professional geoscientist in good standing in the province of Newfoundland and Labrador.
4. I am a co-author of the assessment report 2015 Drilling Report on the Mt. Milligan Northwest Claim Group prepared for Terrane Metals Corp.
5. Since 2006 I have been involved in natural resource exploration for base metals and gold (2006, 2011 – present); research on PGE deposits (2007, 2008); and regional geological mapping (2009, 2010) in Canada and South Africa.
6. I was directly involved with field-based managing of the 2015 fall (October 7 to October 23) drill program on the Mt. Milligan Property.

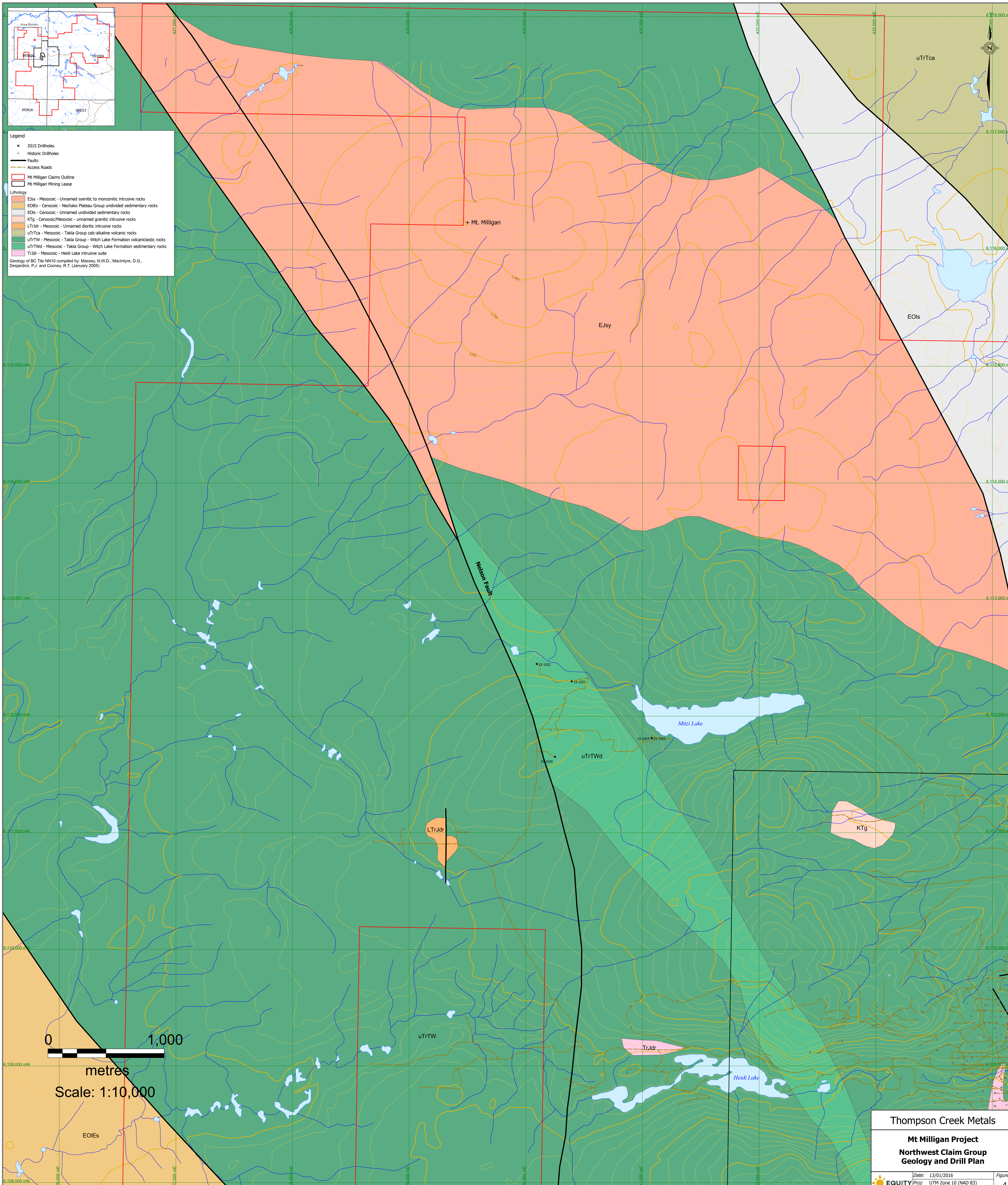
Dated at Vancouver, British Columbia, this 12th day of February, 2016.

Ron Voordouw, Ph.D., P. Geo
Equity Exploration Consultants Ltd.

REGISTERED PROFESSIONAL GEOSCIENTIST
PEG Newfoundland and Labrador
PROFESSIONAL ENGINEERS AND GEOSCIENTISTS
RONALD J. VOORDOUW
SIGNATURE
Feb 12/2016
DATE
NEWFOUNDLAND & LABRADOR

#06962


Mining Lease
Mt Milligan Mine
Mt. Milligan
Mitzi Lake
Heidi Lake
Mt Milligan Claims Outline
Mt Milligan Mining Lease
0
5,000
metres
Scale: 1:50,000
Thompson Creek Metals
Mt Milligan Project
Tenure Map
EQUITY
Date: 08/01/2016
Proj: UTM Zone 10 (NAD 83)
Prov: BC
Figure
2



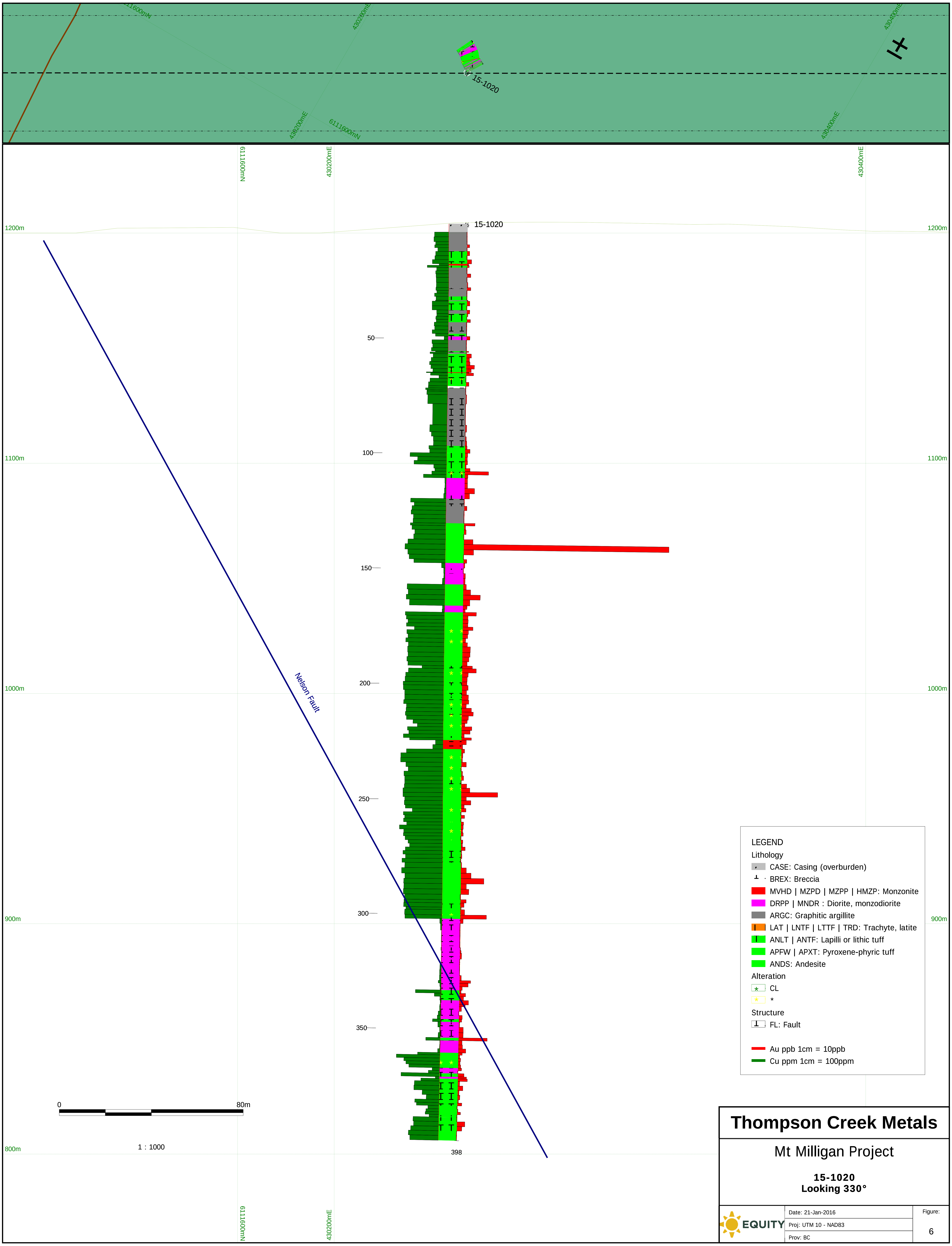
Thompson Creek Metals

Mt Milligan Project

Northwest Claim Group Geology and Drill Plan

Date:	13/01/2016	*Figure*
Proj:	UTM Zone 10 (NAD 83)	4
Prov:	BC	

EQUITY

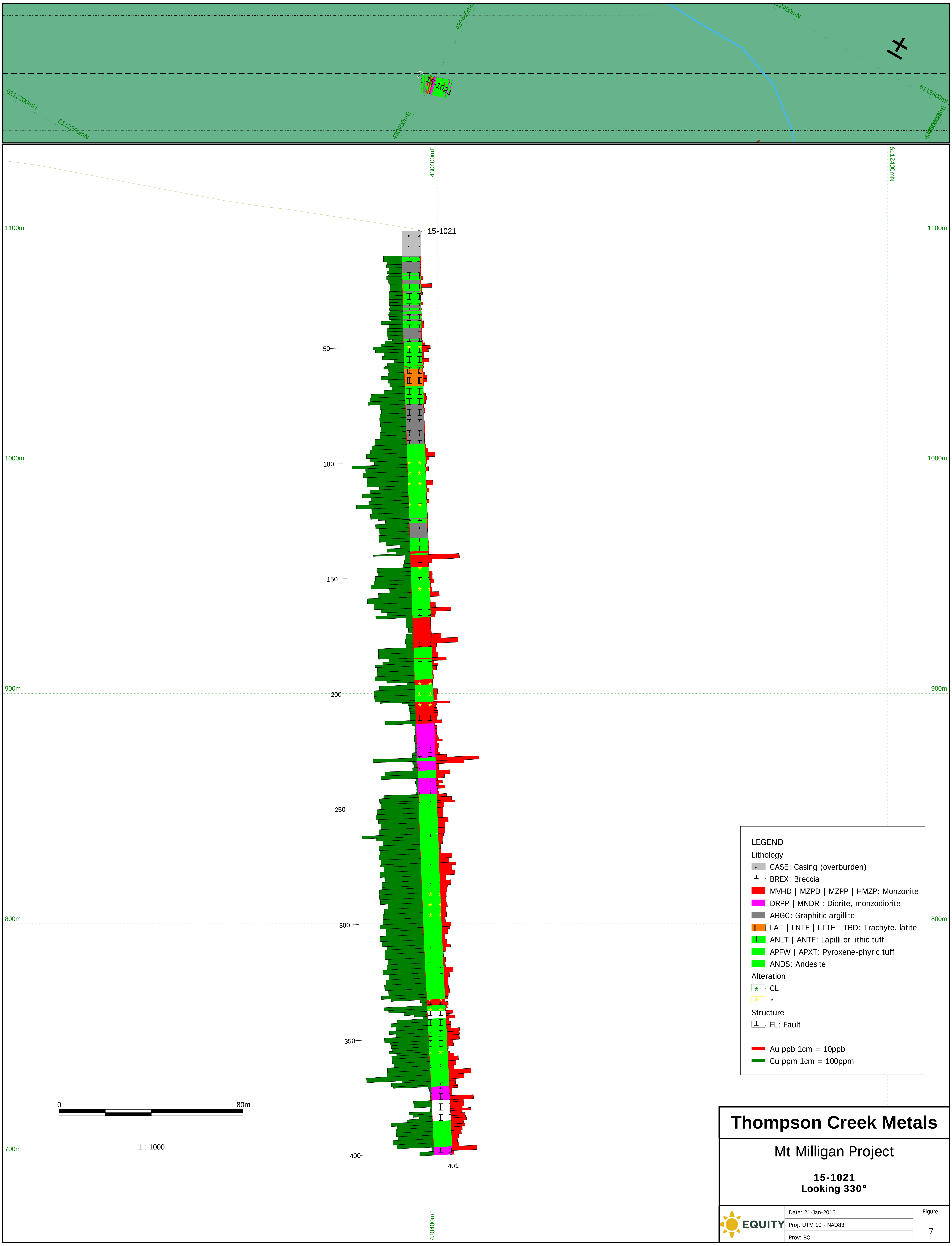


Thompson Creek Metals

Mt Milligan Project

15-1020
Looking 330°

EQUITY	Date: 21-Jan-2016	Figure:
	Proj: UTM 10 - NAD83	6
	Prov: BC	



LEGEND

Lithology

CASE: Casing (overburden)

BREX: Breccia

MVHD | MZPD | MZPP | HMZP: Monzonite

DRPP | MNDR : Diorite, monzodiorite

ARGC: Graphitic argillite

LAT | LNTF | LTTF | TRD: Trachyte, latite

ANLT | ANTF: Lapilli or lithic tuff

APFW | APXT: Pyroxene-phyric tuff

ANDS: Andesite

Alteration

CL

*

Structure

FL: Fault

Au ppb 1cm = 10ppb

Cu ppm 1cm = 100ppm

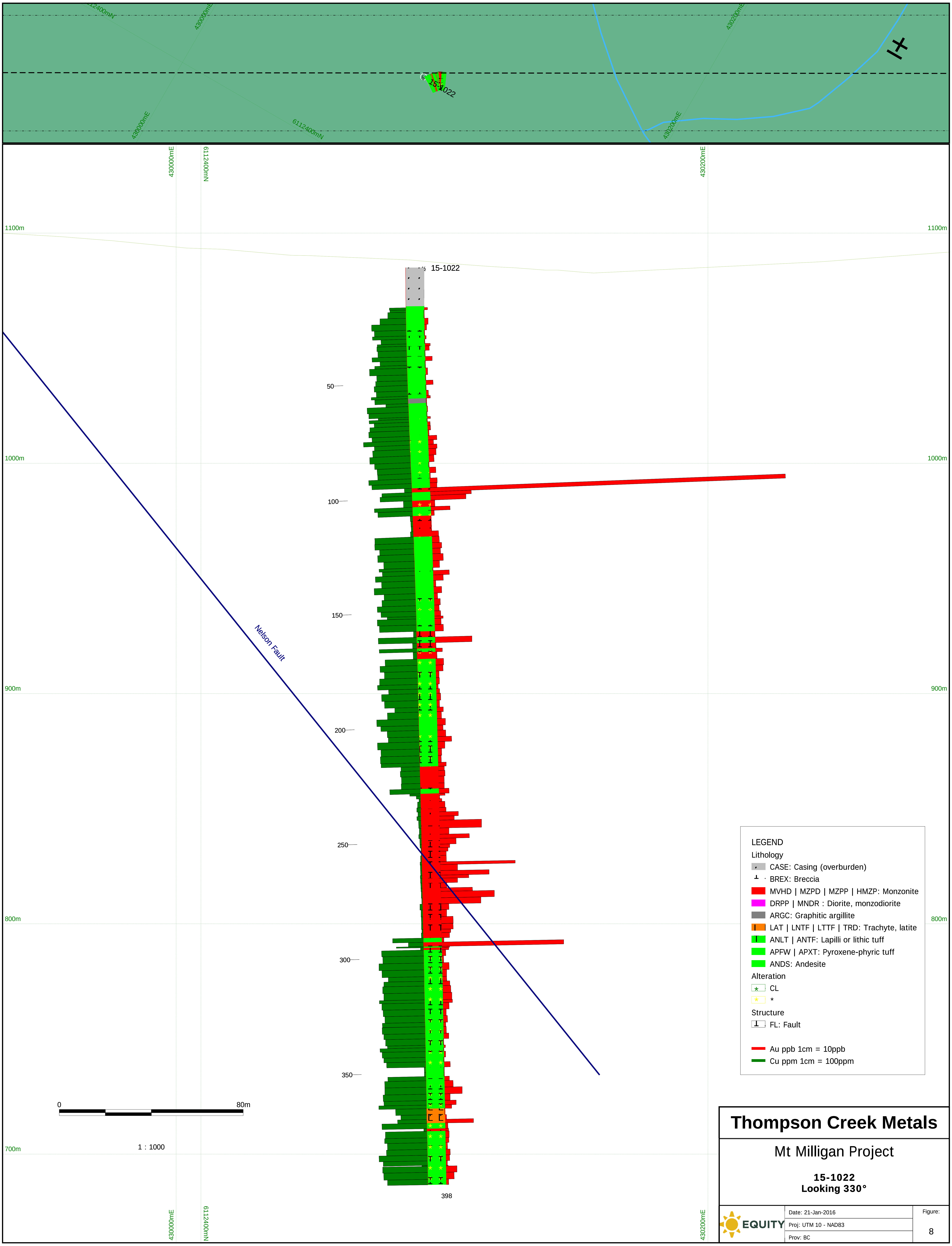
Thompson Creek Metals

Mt Milligan Project

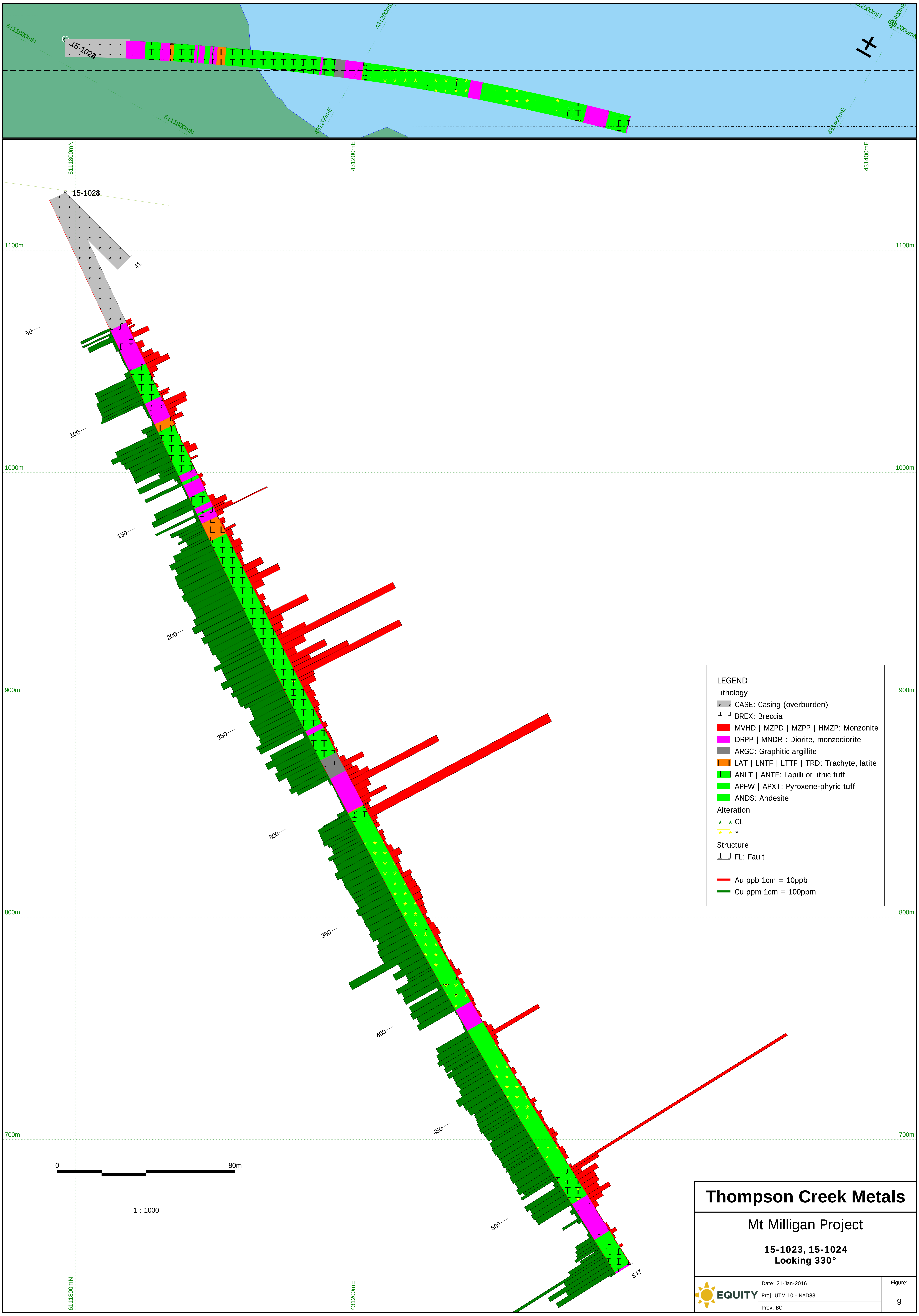
15-1021
Looking 330°

EQUITY

Date: 21-Jan-2016	Figure:
Proj: UTM 10 - NAD83	7
Prov: BC	



15-1022
430000mE
6112400mN
430200mE
1100m
1000m
900m
800m
700m
50
100
150
200
250
300
350
398
Nelson Fault
0
80m
1 : 1000
LEGEND
Lithology
CASE: Casing (overburden)
BREX: Breccia
MVHD | MZPD | MZPP | HMZP: Monzonite
DRPP | MNDR : Diorite, monzodiorite
ARGC: Graphitic argillite
LAT | LNTF | LTTF | TRD: Trachyte, latite
ANLT | ANTF: Lapilli or lithic tuff
APFW | APXT: Pyroxene-phyric tuff
ANDS: Andesite
Alteration
CL
*
Structure
FL: Fault
Au ppb 1cm = 10ppb
Cu ppm 1cm = 100ppm
Thompson Creek Metals
Mt Milligan Project
15-1022
Looking 330°
EQUITY
Date: 21-Jan-2016
Proj: UTM 10 - NAD83
Prov: BC
Figure:
8



15-1023
15-1024
6111800mN
431200mE
431400mE
6112000mN
1100m
1000m
900m
800m
700m
41
50
100
150
200
250
300
350
400
450
500
547
LEGEND
Lithology
CASE: Casing (overburden)
BREX: Breccia
MVHD | MZPD | MZPP | HMZP: Monzonite
DRPP | MNDR : Diorite, monzodiorite
ARGC: Graphitic argillite
LAT | LNTF | LTTF | TRD: Trachyte, latite
ANLT | ANTF: Lapilli or lithic tuff
APFW | APXT: Pyroxene-phyric tuff
ANDS: Andesite
Alteration
CL
*
Structure
FL: Fault
Au ppb 1cm = 10ppb
Cu ppm 1cm = 100ppm
0
80m
1 : 1000
Thompson Creek Metals
Mt Milligan Project
15-1023, 15-1024
Looking 330°
EQUITY
Date: 21-Jan-2016
Proj: UTM 10 - NAD83
Prov: BC
Figure:
9